

ITINERARIO RAGUSA-CATANIA

Collegamento viario compreso tra lo Svincolo della S.S. 514 "di Chiaramonte" con la S.S. 115 e lo Svincolo della S.S. 194 "Ragusana"

LOTTO 4 - Dallo svincolo n. 8 "Francofonte" (compreso) allo svincolo della "Ragusana"(escluso)

PROGETTO ESECUTIVO

COD. **PA898**

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OPERE DI SOSTEGNO
MURO IN CA - DA KM 0+026 A KM 0+085 SEC. 127
Relazione di calcolo

CODICE PROGETTO			NOME FILE			REVISIONE	SCALA:
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INDICE

1	PREMESSA	3
2	NORMATIVA DI RIFERIMENTO	6
3	CARATTERISTICHE DEI MATERIALI	7
4	CARATTERIZZAZIONE GEOTECNICA.....	11
5	VITA NOMINALE, CLASSE D'USO E PERIODO DI RIFERIMENTO	12
6	AZIONE SISMICA DI RIFERIMENTO.....	13
7	METODO DI CALCOLO	14
7.1	COMBINAZIONI DI CARICO	14
7.2	SOFTWARE DI CALCOLO	16
8	ANALISI DEI CARICHI	17
8.1	AZIONI DI CALCOLO.....	17
8.2	PESO PROPRIO DELLA STRUTTURA	17
8.3	SPINTA STATICA DEL TERRENO A MONTE DEL MURO	17
8.4	BARRIERA ANTIRUMORE.....	18
8.5	INCREMENTO DI SPINTA SUL MURO DOVUTO AL SISMA	18
8.6	AZIONE DEI VEICOLI IN SVIO.....	19
9	VERIFICHE GEOTECNICHE E STRUTTURALI.....	20
9.1	METODO DI CULMANN	20
9.2	VERIFICA AL RIBALTAMENTO.....	20
9.3	CAPACITÀ PORTANTE DEL TERRENO DI FONDAZIONE.....	21
9.4	VERIFICA DI STABILITÀ GLOBALE.....	23
9.5	VERIFICHE STRUTTURALI DEL MURO.....	25
10	MURO DI SOSTEGNO OS28 DA PK 0+026 A PK 0+085 SEC. 127.	26
10.1	SEZIONE 1: PARAMENTO H=5.95 M	26

10.1.1	Dati	26
10.1.2	Opzioni di calcolo	33
10.1.3	Risultati per inviluppo	36
10.1.4	Sollecitazioni pali.....	55
10.1.5	Combinazioni SLER	149
10.1.6	Combinazioni SLEF.....	163
10.1.7	Combinazioni SLEQ.....	177
10.1.8	Elenco ferri	193
10.2	SEZIONE 2: PARAMENTO H=4.25 M	195
10.2.1	Dati.....	195
10.2.2	Opzioni di calcolo.....	201
10.2.3	Risultati per inviluppo.....	203
10.2.4	Sollecitazioni pali	217
10.2.5	Combinazioni SLER.....	248
10.2.6	Combinazioni SLEF	261
10.2.7	Combinazioni SLEQ.....	274
10.2.8	Combinazioni SLER.....	287
10.2.9	Combinazioni SLEF	298
10.2.10	Elenco ferri.....	321

1 PREMESSA

La presente relazione ha per oggetto il calcolo ed il dimensionamento del muro **OS28** previsto relativo alla progettazione del Lotto 4 del "Collegamento autostradale Ragusa-Catania: ammodernamento a n° 4 corsie della s.s. 514 di Chiamonte" e della "s.s. 194 ragusana dallo svincolo con la s.s. 115 allo svincolo con la s.s. 114"

Il muro si sviluppa dalla progressiva pk 0+026 a pk 0+085 sec. 127.

Le azioni considerate nel calcolo sono quelle tipiche di una struttura interrata determinate dall'interazione terreno - struttura con l'aggiunta delle azioni sismiche derivanti dall'applicazione della Normativa D.M. del 14 gennaio 2008 - Norme tecniche per le costruzioni. Le verifiche eseguite nel presente elaborato fanno riferimento allo stesso D.M. del 2008.

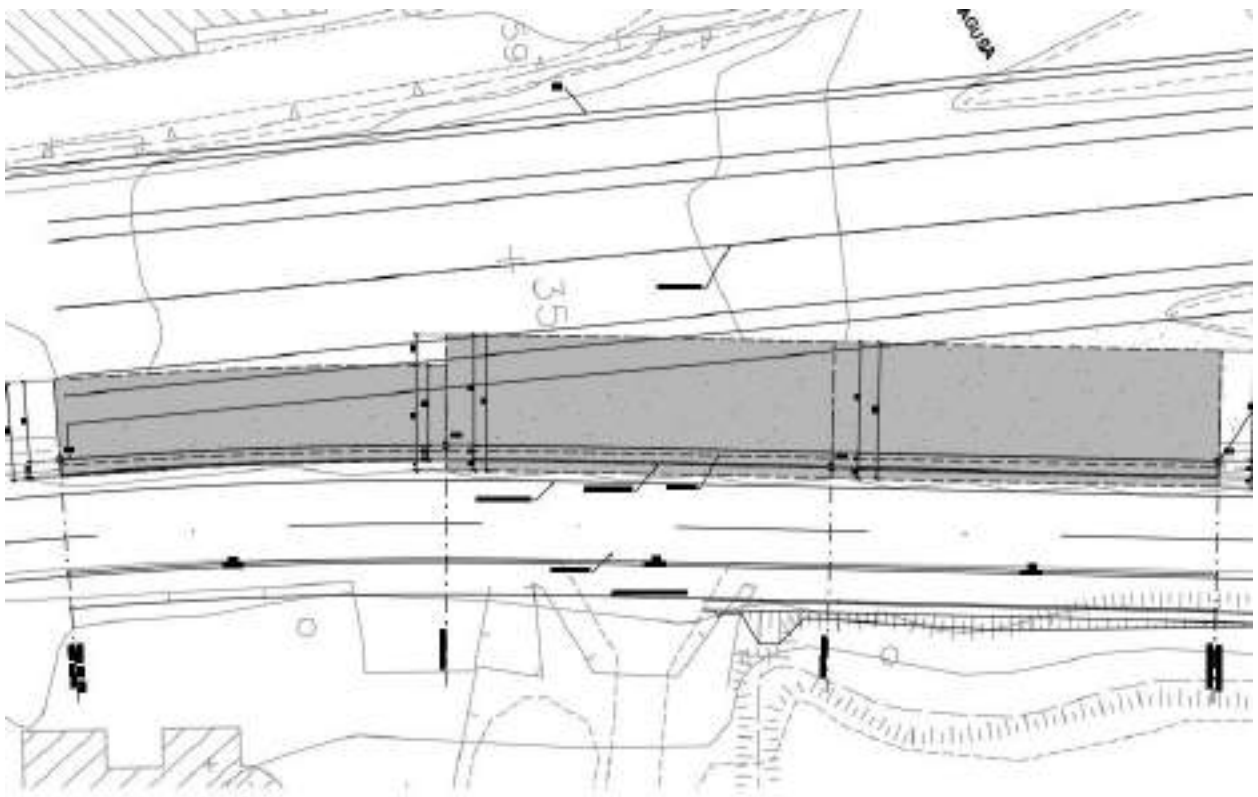


Figura 1. Planimetria dell'opera

RELAZIONE DI CALCOLO

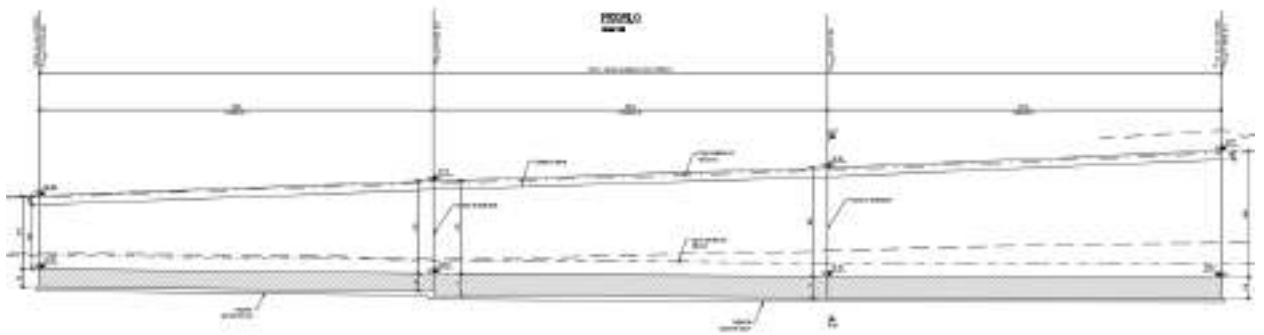


Figura 2. Profilo longitudinale

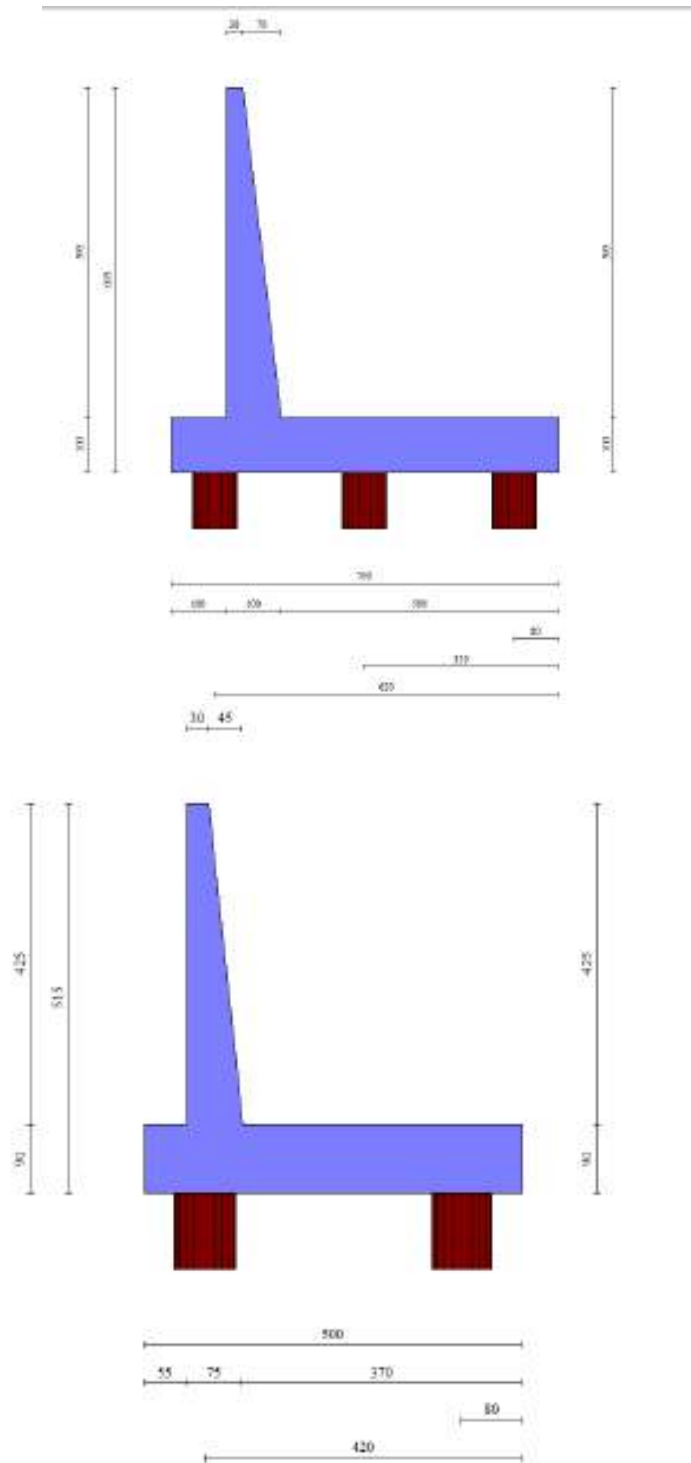


Figura 3: sezione trasversale dell'opera

2 NORMATIVA DI RIFERIMENTO

Il progetto è stato redatto sulla base delle seguenti normative e standard progettuali:

- **D.M. 14 gennaio 2008** – pubblicato su S.O. n. 30 alla G.U. 4 febbraio 2008, n. 29 – “Approvazione delle nuove norme tecniche per le costruzioni”;
- **Circolare n.ro 617 del 2 febbraio 2009** – “Istruzioni per l'applicazione delle Nuove Norme tecniche per le costruzioni di cui al decreto ministeriale 14 gennaio 2008”;
- **UNI EN 1992-1-1:2005**: “Eurocodice 2 – Progettazione delle strutture di calcestruzzo – parte 1 – Regole generali e regole per edifici”;
- **UNI EN 206-1 ottobre 2006** – “Calcestruzzo: specificazione, prestazione, produzione e conformità”;
- **UNI EN 11104 marzo 2004** – “Calcestruzzo: specificazione, prestazione, produzione e conformità”, Istruzioni complementari per l'applicazione delle EN 206-1;

3 CARATTERISTICHE DEI MATERIALI

Calcestruzzo per magrone

Classe di resistenza minima:	C_{min}	C12/15
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Elevazione muri

Conforme alla norma UNI EN 206-1/UNI 11104 cemento resistente ai solfati secondo UNI 9156		Classe di esposizione
		XA2
Classe di resistenza minima:	C_{min}	C32/40
Classe di consistenza	S	S4
Dimensione max aggregati	D_{max}	25 mm
Classe di contenuto in cloruri	Cl	0.20
Copriferro	c	40

Fondazioni

Conforme alla norma UNI EN 206-1/UNI 11104 cemento resistente ai solfati secondo UNI 9156		Classe di esposizione
		XA2
Classe di resistenza minima:	C_{min}	C32/40
Classe di consistenza	S	S4
Dimensione max aggregati	D_{max}	30 mm
Classe di contenuto in cloruri	Cl	0.20
Copriferro	c	40

Pali

Conforme alla norma UNI EN 206-1/UNI 11104 cemento resistente ai solfati secondo UNI 9156		Classe di esposizione XA2
Classe di resistenza minima:	C_{min}	C32/40
Classe di consistenza	S	S4
Dimensione max aggregati	D_{max}	25 mm
Classe di contenuto in cloruri	Cl	0.20
Copriferro	c	60

Armatura ordinaria

Acciaio per armatura ordinaria:		
Acciaio in barre ad aderenza migliorata tipo B450C controllato in stabilimento:		
Tensione caratteristica di snervamento	f_{yk}	$\geq 450 \text{ N/mm}^2$
Tensione caratteristica di rottura:	f_{tk}	$\geq 540 \text{ N/mm}^2$

Berlinesi di micropali per opere provvisionali

Calcestruzzo: (Conforme alla norma UNI EN 206-1/UNI 11104)		
Classe di resistenza minima:	C_{min}	C25/30
Classe di consistenza	S	S5
Acciaio per carpenteria metallica: (Secondo norma UNI EN 10025)		
Acciaio per micropali - S355J0:		
Tensione caratteristica di snervamento	f_{yk}	$\geq 355 \text{ N/mm}^2$
Tensione caratteristica di rottura:	f_{tk}	$\geq 510 \text{ N/mm}^2$
Profili commerciali ed elementi non saldati - S275:		
Tensione caratteristica di snervamento	f_{yk}	$\geq 275 \text{ N/mm}^2$
Tensione caratteristica di rottura:	f_{tk}	$\geq 430 \text{ N/mm}^2$
Calcestruzzo spruzzato (spritzz-beton): (Conforme alla norma UNI EN 206-1/UNI 11104)		
Classe di resistenza minima:	C_{min}	C25/30
Classe di consistenza	S	S5
Acciaio per rete elettrosaldata:		
Acciaio in barre ad aderenza migliorata tipo B450A controllato in stabilimento:		
Tensione caratteristica di snervamento	f_{yk}	$\geq 450 \text{ N/mm}^2$
Tensione caratteristica di rottura:	f_{tk}	$\geq 540 \text{ N/mm}^2$

Tiranti di ancoraggio provvisionali

Boiaccia di cemento: (Conforme alla norma UNI EN 206-1/UNI 11104)		
Classe di resistenza minima:	C_{min}	C25/30
Cemento tipo CEM II / A - L		42.5 R
Acciaio armonico stabilizzato per trefoli:		
Tensione caratteristica di rottura	f_{ptk}	$\geq 1860 \text{ N/mm}^2$
Tensione caratteristica all'1% di deformazione tot	$f_{p(1)k}$	$\geq 1670 \text{ N/mm}^2$

4 CARATTERIZZAZIONE GEOTECNICA

Si riportano i parametri di resistenza e deformabilità assunti nel calcolo in accordo con i risultati dei sondaggi riportati nella relazione geotecnica.

Unità geologiche	descrizione	litotipo	γ	c'	ϕ'	E'
			[kN/m ³]	[kPa]	[°]	[MPa]
Qa	Calcareni, sabbie e argille siltoso-marnose	Sabbia/Calcareni	18	30	24	50

Tabella 1: Caratterizzazione geotecnica

Di seguito le sezioni geotecniche di riferimento per l'opera in oggetto.

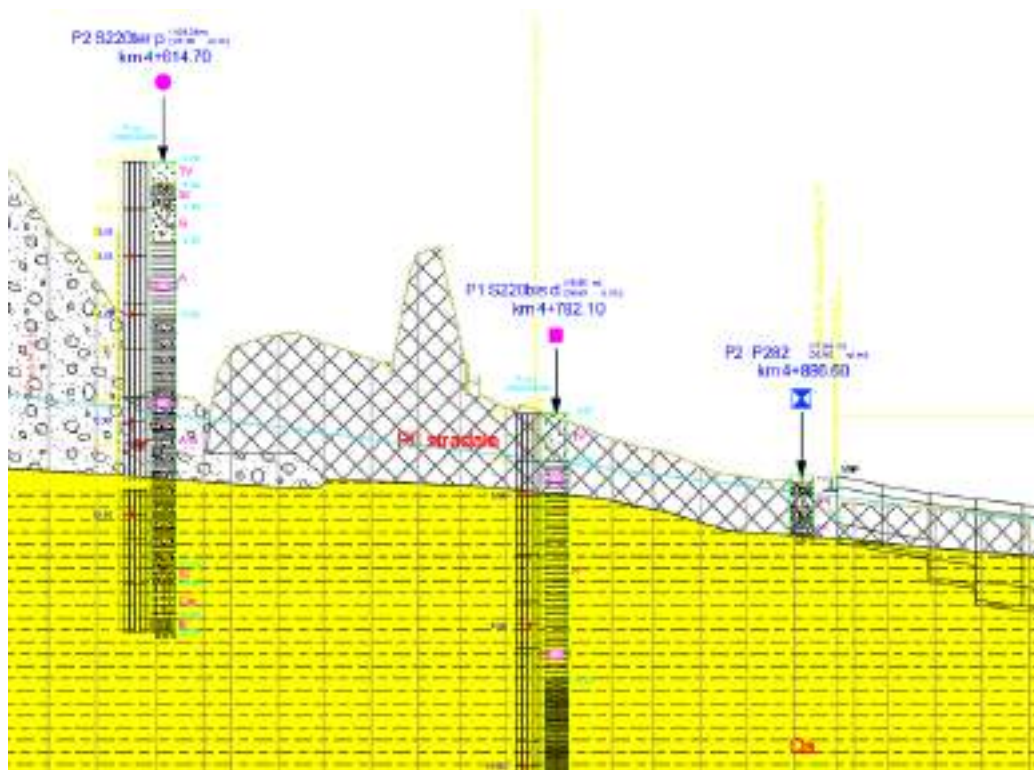


Figura 4: Sezioni geotecniche per l'opera in esame
L'opera non è interessata dalla falda.

5 VITA NOMINALE, CLASSE D'USO E PERIODO DI RIFERIMENTO

La vita nominale di un'opera strutturale V_N è intesa come il numero di anni nel quale la struttura, purché soggetta alla manutenzione ordinaria, deve potere essere usata per lo scopo al quale è destinata.

La costruzione in oggetto è classificabile, secondo il DM 2008, come "*Opera ordinaria, ponti, opere infrastrutturali e dighe di dimensioni contenute o di importanza normale*", per la quale viene prevista una vita nominale ≥ 50 anni.

In presenza di azioni sismiche, con riferimento alle conseguenze di una interruzione di operatività o di un eventuale collasso, la costruzione è definita di Classe IV, ossia afferente a "*Costruzioni con funzioni pubbliche o strategiche importanti, anche con riferimento alla gestione della protezione civile in caso di calamità. Industrie con attività particolarmente pericolose per l'ambiente. Reti viarie di tipo A o B, di cui al D.M. 5 novembre 2001, n.6792, "Norme funzionali e geometriche per la costruzione delle strade", e di tipo C quando appartenenti ad itinerari di collegamento tra capoluoghi di provincia non altresì serviti da strade di tipo A o B. Ponti e reti ferroviarie di importanza critica per il mantenimento delle vie di comunicazione, particolarmente dopo un evento sismico. Dighe connesse al funzionamento di acquedotti e a impianti di produzione di energia elettrica.*"

In virtù di quanto affermato, il periodo di riferimento per la valutazione delle azioni sismiche risulta dal prodotto della vita nominale per la classe d'uso:

$$V_R = V_N \cdot C_U = 50 \cdot 2.0 = 100 \text{ anni,}$$

cui compete un valore del tempo di ritorno pari a:

$$T_R = -\frac{V_R}{\ln(1 - P_{V_R})} = -\frac{100}{\ln(1 - 0.10)} = 949 \text{ anni.}$$

6 AZIONE SISMICA DI RIFERIMENTO

Per la caratterizzazione dell'azione sismica sull'opera si è fatto riferimento alle seguenti coordinate geografiche:

Comune	Vizzani
Provincia	Catania
Regione	Sicilia
Latitudine	37.161987
Longitudine	14.750763
Indice punti di interpolazione	49415 - 49637 - 49638 - 49416
Vita nominale	50 anni
Classe d'uso	IV
Tipo costruzione	Normali affollamenti
Vita di riferimento	100 anni

	Simbolo	U.M.	SU	SLE
Accelerazione al suolo	a_g	[m/s ²]	3.445	1.828
Accelerazione al suolo	a_g/g	[%]	0.372	0.185
Massimo fattore amplificazione spettro orizzontale	F_0		2.345	2.340
Periodo inizio tratto spettro a velocità costante	T_1^{cs}		0.468	0.297
Tipo di sottosuolo - Coefficiente stratigrafico	S_s		B	1.851
Categoria topografica - Coefficiente amplificazione topografica	S_t		T1	1.888

Tabella 6.1: Parametri sismici per la definizione dello spettro di progetto.

Per le analisi in condizioni sismiche si riferisce ai seguenti parametri:

- vita nominale $V_N = 50$ anni
- classe d'uso IV
- coefficiente d'uso $C_U = 2.0$
- periodo di riferimento per l'azione sismica $V_R = V_N \times C_U = 100$ anni

7 METODO DI CALCOLO

L'analisi strutturale del muro di sostegno a fondazione diretta è stata condotta attraverso modelli di calcolo a mensola con incastro nella platea di fondazione (analisi del paramento) e con incastro nel paramento (analisi della fondazione lato valle e lato monte). Vista la geometria dell'opera a prevalente sviluppo longitudinale e le condizioni al contorno, le analisi e verifiche sono state effettuate prendendo in considerazione una porzione di muro corrispondente ad una larghezza unitaria.

Si riporta inoltre di seguito una breve sintesi della procedura proposta per il calcolo delle spinte orizzontali agenti sulla parete dell'opera di sostegno e delle azioni verticali agenti sulla zattera di fondazione.

7.1 COMBINAZIONI DI CARICO

Per le verifiche dei muri sono state considerate le sollecitazioni risultanti dalle azioni applicate direttamente sull'opera proveniente dalla spinta delle terre e gli eventuali carichi dovuti al traffico.

Le combinazioni di calcolo sono state effettuate secondo quanto disposto dal D. M. 14.01. 2008; in particolare sono state considerate:

combinazione fondamentale (SLU):

$$\gamma_{G1} \cdot G_1 + \gamma_{G2} \cdot G_2 + \gamma_p \cdot P + \gamma_{Q1} \cdot Q_{k1} + \gamma_{Q2} \cdot \psi_{02} \cdot Q_{k2} + \gamma_{Q3} \cdot \psi_{03} \cdot Q_{k3} + \dots$$

combinazione sismica:

$$E + G_1 + G_2 + P + \psi_{21} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \dots$$

combinazione Frequente (SLE reversibile):

$$G_1 + G_2 + P + \psi_{11} \cdot Q_{k1} + \psi_{12} \cdot Q_{k2} + \psi_{13} \cdot Q_{k3} + \dots$$

combinazione quasi permanente (SLE per gli effetti a lungo termine):

$$G_1 + G_2 + P + \psi_{21} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \psi_{23} \cdot Q_{k3} + \dots$$

La normativa prevede che i diversi set di coefficienti di sicurezza parziali siano scelti nell'ambito di due approcci progettuali distinti ed alternativi definiti, rispettivamente, dalla normativa: "Approccio 1" ed "Approccio 2".

Nella presente progettazione si è adottato l'Approccio 1 che prevede due diverse combinazioni di set di coefficienti: la prima combinazione risulta più severa nei confronti del dimensionamento strutturale delle opere a contatto con il terreno; la seconda combinazione risulta più gravosa nei riguardi del dimensionamento geotecnico. Le combinazioni sono le seguenti:

Combinazione 1: A1+M1+R1 (STR)

Combinazione 2: A2+M2+R2 (GEO).

Le verifiche geotecniche nei confronti delle azioni sismiche sono effettuate impiegando i parametri geotecnici e le resistenze di progetto con i valori dei coefficienti parziali dell'Approccio 1, Combinazione 2 e ponendo pari all'unità i coefficienti parziali sulle azioni.

RELAZIONE DI CALCOLO

I coefficienti parziali di sicurezza delle azioni, adottati nelle combinazioni, sono differenti a seconda che le azioni si debbano combinare per verifiche strutturali o geotecniche (rispettivamente A1, A2 e EQU).

		Coefficiente parziale γ_F	EQU ¹	A1 (STR)	A2 (GEO)
carichi permanenti	favorevoli	γ_{G1}	0.90	1.00	1.00
	sfavorevoli		1.10	1.35	1.00
carichi perm. non strutturali ²	favorevoli	γ_{G2}	0.00	0.00	0.00
	sfavorevoli		1.50	1.50	1.30
carichi da traffico	favorevoli	γ_Q	0.00	0.00	0.00
	sfavorevoli		1.35	1.35	1.15
carichi variabili	favorevoli	γ_{Qi}	0.00	0.00	0.00
	sfavorevoli		1.50	1.50	1.30
distorsioni e presollecitazioni di progetto	favorevoli	γ_{e1}	0.90	1.00	1.00
	sfavorevoli		1.00 ³	1.00 ⁴	1.00
ritiro, viscosità, ΔT , cedimenti vincolari	favorevoli	$\gamma_{e2}, \gamma_{e3}, \gamma_{e4}$	0.00	0.00	0.00
	sfavorevoli		1.20	1.20	1.00

¹ se l'equilibrio non coinvolge il terreno, altrimenti si applica GEO

² se risultano compiutamente definiti si possono considerare permanenti

³ 1.30 per instabilità delle strutture precomprese

⁴ 1.20 per effetti locali

Tabella 2. Coefficienti parziali di sicurezza per le azioni

Ai fini delle verifiche delle fondazioni, sono definiti dei coefficienti parziali per i parametri geotecnici (M1 ed M2) riassunte di seguito:

		Coefficiente parziale γ_M	M1	M2
Tangente dell'angolo di resistenza al taglio	tang φ'_k	$\gamma_{\varphi'}$	1.0	1.25
Coesione efficace	c'_k	$\gamma_{c'}$	1.0	1.25
Resistenza non drenata	c_{uk}	γ_{cu}	1.0	1.4
Peso dell'unità di volume	γ	γ_γ	1.0	1.0

Tabella 3. Coefficienti parziali di sicurezza per i parametri geotecnici

7.2 SOFTWARE DI CALCOLO

Le verifiche geotecniche e strutturali dell'opera di sostegno sono state eseguite mediante il software MAX 16 sviluppato da Aztec.

8 ANALISI DEI CARICHI

8.1 AZIONI DI CALCOLO

Il calcolo è stato condotto tenendo conto delle seguenti azioni agenti sull'opera:

- peso proprio della struttura;
- peso del terreno a monte dell'opera;
- spinta del carico variabile stradale;
- spinte del terreno a monte dell'opera;
- incremento di spinta sismica del terreno a tergo del muro;
- forze di inerzia della struttura e del terreno solidale con l'opera.

Le azioni suddette vengono di seguito esplicitate.

8.2 PESO PROPRIO DELLA STRUTTURA

Il peso dei vari elementi strutturali sono stati calcolato considerando:

Peso specifico calcestruzzo $\gamma_{cis} = 25 \text{ kN/m}^3$

Il terreno preso in considerazione è il terreno gravante sulla platea di fondazione a monte, costituito dal materiale di riempimento il cui peso per unità di volume è pari a $\gamma_t = 19 \text{ kN/m}^3$.

8.3 SPINTA STATICA DEL TERRENO A MONTE DEL MURO

La teoria di Coulomb considera l'ipotesi di un cuneo di spinta a monte dell'opera che si muove rigidamente lungo una superficie di rottura rettilinea. Dall'equilibrio del cuneo si ricava la spinta che il terreno esercita sull'opera di sostegno. In particolare Coulomb ammette l'esistenza di attrito fra il terreno e la parete, e quindi la retta di spinta risulta inclinata rispetto alla normale alla parete stesso di un angolo di attrito terra-parete.

L'espressione della spinta esercitata da un terrapieno, di peso di volume γ , su una parete di altezza H, risulta espressa secondo la teoria di Coulomb dalla seguente relazione (per terreno incoerente).

$$S = \frac{1}{2} \cdot \gamma \cdot H^2 \cdot K_a$$

K_a rappresenta il coefficiente di spinta attiva di Coulomb nella versione riveduta da Muller-Breslau, espresso come

$$K_a = \frac{\sin^2(\beta + \varphi)}{\sin^2 \beta \cdot \sin(\beta - \delta) \cdot \left[1 + \left(\frac{\sin(\varphi + \delta) \cdot \sin(\varphi - \varepsilon)}{\sin(\beta - \delta) \cdot \sin(\beta + \varepsilon)} \right)^{0.5} \right]^2}$$

dove φ è l'angolo d'attrito del terreno, β rappresenta l'angolo che la parete forma con l'orizzontale ($\beta = 90^\circ$ per parete verticale), δ è l'angolo d'attrito terreno-muro, ε è l'inclinazione del terrapieno rispetto all'orizzontale.

La spinta risulta inclinata dell'angolo d'attrito terreno-muro δ rispetto alla normale al muro.

Il diagramma delle pressioni del terreno sulla parete risulta triangolare con il vertice in alto. Il punto di applicazione della spinta si trova in corrispondenza del baricentro del diagramma delle pressioni ($1/3 H$ rispetto alla base della parete).

8.4 BARRIERA ANTIRUMORE

Si è considerato un carico verticale di 3kN/m permanente agente sul paramento del muro.

8.5 INCREMENTO DI SPINTA SUL MURO DOVUTO AL SISMA

In condizioni sismiche l'entità e la distribuzione delle spinte del terreno sul muro dipendono dall'intensità del sisma, dalla risposta locale del terreno di fondazione e dalla deformabilità dell'opera.

Per tener conto dell'incremento di spinta dovuta al sisma si fa riferimento al metodo di Mononobe-Okabe (cui fa riferimento la Normativa Italiana).

La Normativa Italiana suggerisce di tener conto di un incremento di spinta dovuto al sisma nel modo seguente.

Detta ε l'inclinazione del terrapieno rispetto all'orizzontale e β l'inclinazione della parete rispetto alla verticale, si calcola la spinta S' considerando un'inclinazione del terrapieno e della parete pari a

$$\varepsilon' = \varepsilon + \theta \quad \beta' = \beta + \theta$$

dove $\theta = \arctg(k_h/(1 \pm k_v))$ essendo k_h il coefficiente sismico orizzontale e k_v il coefficiente sismico verticale, definito in funzione di k_h .

In presenza di falda a monte, θ assume le seguenti espressioni:

Terreno a bassa permeabilità

$$\theta = \arctan\left(\frac{\gamma_{sat}}{\gamma_{sat} - \gamma_w} \frac{k_h}{1 \pm k_v}\right)$$

Terreno a permeabilità elevata

$$\theta = \arctan\left(\frac{\gamma}{\gamma_{sat} - \gamma_w} \frac{k_h}{1 \pm k_v}\right)$$

Detta S la spinta calcolata in condizioni statiche l'incremento di spinta da applicare è espresso da

$$\Delta S = AS' - S$$

dove il coefficiente A vale

$$A = \frac{\cos^2(\beta + \theta)}{\cos^2 \beta \cos \theta}$$

In presenza di falda a monte, nel coefficiente A si tiene conto dell'influenza dei pesi di volume nel calcolo di θ .

Adottando il metodo di Mononobe-Okabe per il calcolo della spinta, il coefficiente A viene posto pari a 1.

Tale incremento di spinta è applicato a metà altezza della parete di spinta nel caso di forma rettangolare del diagramma di incremento sismico, allo stesso punto di applicazione della spinta statica nel caso in cui la forma del diagramma di incremento sismico è uguale a quella del diagramma statico.

Oltre a questo incremento bisogna tener conto delle forze d'inerzia orizzontali e verticali che si destano per effetto del sisma. Tali forze vengono valutate come

$$F_{iH} = k_h W \quad F_{iV} = \pm k_v W$$

dove W è il peso del muro, del terreno soprastante la mensola di monte ed i relativi sovraccarichi e va applicata nel baricentro dei pesi.

Il metodo di Culmann tiene conto automaticamente dell'incremento di spinta. Basta inserire nell'equazione risolutiva la forza d'inerzia del cuneo di spinta. La superficie di rottura nel caso di sisma risulta meno inclinata della corrispondente superficie in assenza di sisma.

8.6 AZIONE DEI VEICOLI IN SVIO

L'azione di svio dei veicoli è stata considerata secondo le indicazioni fornite al punto 3.6.3.3.2 del DM 14/01/2008, nel quale si dichiara che in assenza di dati specifici "si può tener conto delle forze causate da collisioni accidentali sugli elementi di sicurezza attraverso una forza orizzontale equivalente di collisione di 100 kN". La forza, agente nel piano orizzontale in direzione trasversale a quella di sviluppo del muro, è stata considerata applicata alla quota di 1.0 m dal piano di marcia, equivalenti a 0.90 m da estradosso cordolo.

Considerando che per determinare la sezione resistente di paramento è lecito diffondere tale forza in direzione verticale con inclinazione di 45°, e che il muro di sostegno più basso ha paramento alto circa 2.0 m, risulta che la larghezza collaborante per la forza di normativa sia pari a 4 m. L'azione da considerare nelle verifiche risulta pertanto pari a $100/4 = 25$ kN.

A favore di sicurezza, l'entità di tale azione è stata mantenuta invariata anche nel calcolo dei muri di sostegno di maggiore altezza.

9 VERIFICHE GEOTECNICHE E STRUTTURALI

Il presente paragrafo illustra i criteri generali di verifica adottati per le verifiche geotecniche e strutturali condotte nel progetto. Ulteriori dettagli di carattere specifico, laddove impiegati, sono dichiarati e motivati nelle relative risultanze delle verifiche. Tutte le tipologie di muro sono state verificate: i singoli calcoli hanno riguardato quelle sezioni trasversali che in generale appaiono più onerose nei confronti delle singole verifiche (altezze massime) e quelle più rappresentative.

9.1 METODO DI CULMANN

Il metodo di Culmann adotta le stesse ipotesi di base del metodo di Coulomb. La differenza sostanziale è che mentre Coulomb considera un terrapieno con superficie a pendenza costante e carico uniformemente distribuito (il che permette di ottenere una espressione in forma chiusa per il coefficiente di spinta) il metodo di Culmann consente di analizzare situazioni con profilo di forma generica e carichi sia concentrati che distribuiti comunque disposti. Inoltre, rispetto al metodo di Coulomb, risulta più immediato e lineare tener conto della coesione del masso spingente. Il metodo di Culmann, nato come metodo essenzialmente grafico, si è evoluto per essere trattato mediante analisi numerica (noto in questa forma come metodo del cuneo di tentativo). Come il metodo di Coulomb anche questo metodo considera una superficie di rottura rettilinea.

I passi del procedimento risolutivo sono i seguenti:

- si impone una superficie di rottura (angolo di inclinazione α rispetto all'orizzontale) e si considera il cuneo di spinta delimitato dalla superficie di rottura stessa, dalla parete su cui si calcola la spinta e dal profilo del terreno;
- si valutano tutte le forze agenti sul cuneo di spinta e cioè peso proprio (W), carichi sul terrapieno, resistenza per attrito e per coesione lungo la superficie di rottura (R e C) e resistenza per coesione lungo la parete (A);
- dalle equazioni di equilibrio si ricava il valore della spinta S sulla parete.

Questo processo viene iterato fino a trovare l'angolo di rottura per cui la spinta risulta massima.

La convergenza non si raggiunge se il terrapieno risulta inclinato di un angolo maggiore dell'angolo d'attrito del terreno.

Nei casi in cui è applicabile il metodo di Coulomb (profilo a monte rettilineo e carico uniformemente distribuito) i risultati ottenuti col metodo di Culmann coincidono con quelli del metodo di Coulomb.

Le pressioni sulla parete di spinta si ricavano derivando l'espressione della spinta S rispetto all'ordinata z. Noto il diagramma delle pressioni è possibile ricavare il punto di applicazione della spinta.

9.2 VERIFICA AL RIBALTAMENTO

La verifica al ribaltamento si effettua in sostanza come equilibrio alla rotazione di un corpo rigido sollecitato da un sistema di forze, ciascuna delle quali definita da un'intensità, una direzione e un punto di applicazione.

Le forze che vengono prese in conto sono le seguenti:

- Spinta attiva complessiva del terrapieno a monte.

- Spinta passiva complessiva del terrapieno a valle.
- Spinta idrostatica dell'acqua della falda a monte, a valle e sul fondo.
- Forze esplicite applicate sul muro in testa, sulla mensola area a valle e sulla mensola di fondazione a valle.
- Peso proprio del muro composto con l'eventuale componente sismica.
- Peso proprio della parte di terrapieno solidale con il muro composto con l'eventuale componente sismica.

Di ciascuna di queste forze verrà calcolato il momento, ribaltante o stabilizzante, rispetto ad un punto che è quello più in basso dell'estremità esterna della fondazione a valle.

Ai fini del calcolo del momento stabilizzante o ribaltante, esso per ciascuna forza è ottenuto dal prodotto dell'intensità della forza per la distanza minima tra la linea d'azione della forza e il punto di rotazione.

Il coefficiente di sicurezza al ribaltamento è dato dal rapporto tra il momento stabilizzante complessivo e quello ribaltante.

Deve quindi essere verificata la seguente disequaglianza:

$$\frac{M_s}{M_r} \geq \eta_r$$

Il momento ribaltante M_r è dato dalla componente orizzontale della spinta S , dalle forze di inerzia del muro e del terreno gravante sulla fondazione di monte (caso di presenza di sisma) per i rispettivi bracci. Nel momento stabilizzante interviene il peso del muro (applicato nel baricentro) ed il peso del terreno gravante sulla fondazione di monte. Per quanto riguarda invece la componente verticale della spinta essa sarà stabilizzante se l'angolo d'attrito terra-muro δ è positivo, ribaltante se δ è negativo. δ è positivo quando è il terrapieno che scorre rispetto al muro, negativo quando è il muro che tende a scorrere rispetto al terrapieno (questo può essere il caso di una spalla da ponte gravata da carichi notevoli). Se sono presenti dei tiranti essi contribuiscono al momento stabilizzante.

Questa verifica ha significato solo per fondazione superficiale e non per fondazione su pali.

9.3 CAPACITÀ PORTANTE DEL TERRENO DI FONDAZIONE

Il rapporto fra il carico limite in fondazione e la componente normale della risultante dei carichi trasmessi dal muro sul terreno di fondazione deve essere superiore a η_q . Cioè, detto Q_u , il carico limite ed R la risultante verticale dei carichi in fondazione, deve essere:

$$\frac{Q_u}{R} \geq \eta_q$$

RELAZIONE DI CALCOLO

Si adotta per il calcolo del carico limite in fondazione il metodo di MEYERHOF.

L'espressione del carico ultimo è data dalla relazione:

$$q_u = cN_c s_c d_c i_c + qN_q s_q d_q i_q + 0.5B\gamma N_\gamma s_\gamma d_\gamma i_\gamma$$

In questa espressione:

- c coesione del terreno in fondazione
- ϕ angolo di attrito del terreno in fondazione
- γ peso di volume del terreno in fondazione
- B larghezza della fondazione
- D profondità del piano di posa
- q pressione geostatica alla quota del piano di posa
- N fattori di capacità portante
- d fattori di profondità del piano di posa
- i fattori di inclinazione del carico

Fattori di capacità portante		$N_c = (N_q - 1) \cot \phi$	$N_q = e^{\pi \tan \phi} K_p$	$N_\gamma = (N_q - 1) \tan(1.4\phi)$
Fattori di forma	$\phi = 0$	$s_c = 1 + 0.2K_p \frac{B'}{L'}$	$s_q = 1$	$s_\gamma = 1$
	$\phi > 0$	$s_c = 1 + 0.2K_p \frac{B'}{L'}$	$s_q = 1 + 0.1K_p \frac{B'}{L'}$	$s_\gamma = 1 + 0.1K_p \frac{B'}{L'}$
Fattori di profondità	$\phi = 0$	$d_c = 1 + 0.2 \frac{D}{B} \sqrt{K_p}$	$d_q = 1$	$d_\gamma = 1$
	$\phi > 0$	$d_c = 1 + 0.2 \frac{D}{B} \sqrt{K_p}$	$d_q = 1 + 0.1 \frac{D}{B} \sqrt{K_p}$	$d_\gamma = 1 + 0.1 \frac{D}{B} \sqrt{K_p}$
Fattori di inclinazione del carico	$\phi = 0$	$i_c = \left(1 - \frac{\theta^\circ}{90^\circ}\right)^2$	$i_q = \left(1 - \frac{\theta^\circ}{90^\circ}\right)^2$	$i_\gamma = 0$
	$\phi > 0$	$i_c = \left(1 - \frac{\theta^\circ}{90^\circ}\right)^2$	$i_q = \left(1 - \frac{\theta^\circ}{90^\circ}\right)^2$	$i_\gamma = \left(1 - \frac{\theta^\circ}{\phi^\circ}\right)^2$

Indichiamo con K_p il coefficiente di spinta passiva espresso da:

$$K_p = \tan^2 \left(45^\circ + \frac{\phi}{2} \right)$$

Riduzione per eccentricità del carico

Nel caso in cui il carico al piano di posa della fondazione risulta eccentrico, Meyerhof propone di moltiplicare la capacità portante ultima per un fattore correttivo R_e .

$R_e = 1.0 - 2.0 \frac{e}{B}$	per terreni coesivi
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RELAZIONE DI CALCOLO

$R_e = 1.0 - \sqrt{\frac{e}{B}}$	per terreni incoerenti
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con e eccentricità del carico e B la dimensione minore della fondazione.

Riduzione per effetto piastra

Per valori elevati di B (dimensione minore della fondazione), Bowles propone di utilizzare un fattore correttivo r_γ del solo termine sul peso di volume ($0.5 B \gamma N_\gamma$) quando B supera i 2 m.

$$r_\gamma = 1.0 + 0.25 \log \frac{B}{2.0}$$

Il termine sul peso di volume diventa:

$$0.5 B \gamma N_\gamma r_\gamma$$

9.4 VERIFICA DI STABILITÀ GLOBALE

La verifica alla stabilità globale del complesso muro+terreno deve fornire un coefficiente di sicurezza non inferiore a η_g .

Viene usata la tecnica della suddivisione a strisce della superficie di scorrimento da analizzare. La superficie di scorrimento viene supposta circolare e determinata in modo tale da non avere intersezione con il profilo del muro. Si determina il minimo coefficiente di sicurezza su una maglia di centri di dimensioni 10x10 posta in prossimità della sommità del muro. Il numero di strisce è pari a 25.

Si adotta per la verifica di stabilità globale il metodo di Bishop.

Il coefficiente di sicurezza nel metodo di Bishop si esprime secondo la seguente formula:

$$\eta = \frac{\sum_{i=0}^n \left[\frac{c_i b_i + (W_i - u_i b_i) \tan \phi_i}{m} \right]}{\sum_{i=0}^n W_i \sin \alpha_i}$$

dove il termine m è espresso da

$$m = \left(1 + \frac{\tan \phi_i \tan \alpha_i}{\eta} \right) \cos \alpha_i$$

In questa espressione n è il numero delle strisce considerate, b_i e α_i sono la larghezza e l'inclinazione della base della striscia i -esima rispetto all'orizzontale, W_i è il peso della striscia i -esima, c_i e ϕ_i sono le

caratteristiche del terreno (coesione ed angolo di attrito) lungo la base della striscia ed u_i è la pressione neutra lungo la base della striscia.

L'espressione del coefficiente di sicurezza di Bishop contiene al secondo membro il termine m che è funzione di η . Quindi essa viene risolta per successive approssimazioni assumendo un valore iniziale per η da inserire nell'espressione di m ed iterare fin quando il valore calcolato coincide con il valore assunto.

9.5 VERIFICHE STRUTTURALI DEL MURO

Le verifiche strutturali sono state eseguite allo SLU e allo SLE con riferimento alle azioni normali (sforzo N e momento flettente M) e alle azioni taglianti della combinazione di calcolo più gravosa ricavata dall'analisi geotecnica condotta sul muro.

Le verifiche sono state condotte sui seguenti elementi strutturali costituenti il muro:

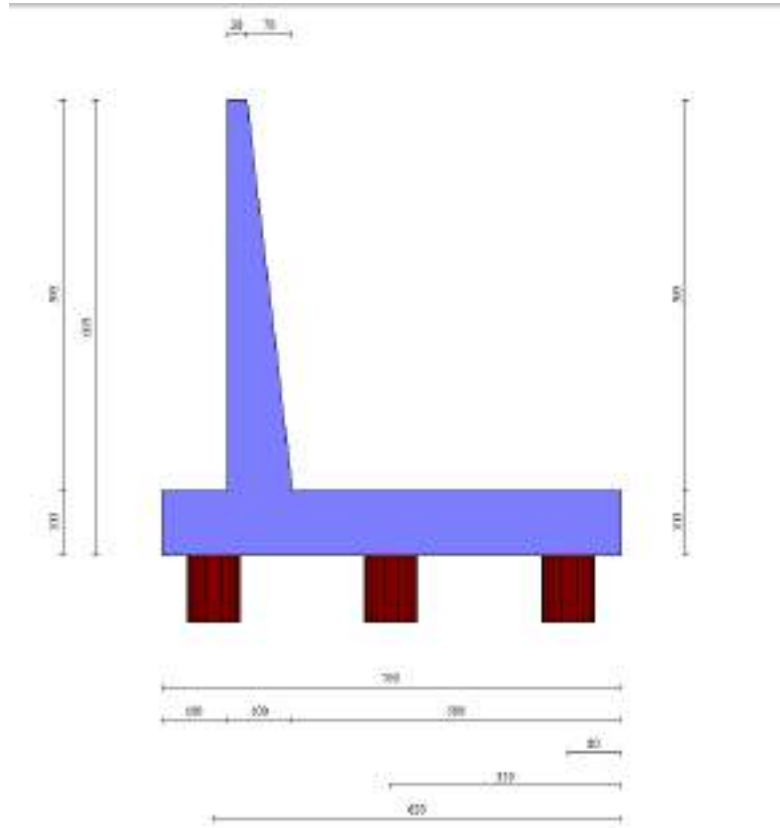
Paramento verticale;

Zattera di fondazione.

10 MURO DI SOSTEGNO OS28 DA PK 0+026 A PK 0+085 SEC. 127.

10.1 SEZIONE 1: PARAMENTO H=5.95 M

Si riportano i dati di input per la sezione in oggetto:



10.1.1 Dati

Materiali

Simbologia adottata

n°	Indice materiale
Descr	Descrizione del materiale
<u>Calcestruzzo armato</u>	
C	Classe di resistenza del cls
A	Classe di resistenza dell'acciaio
γ	Peso specifico, espresso in [kN/mc]
R_{ck}	Resistenza caratteristica a compressione, espressa in [kPa]
E	Modulo elastico, espresso in [kPa]
ν	Coeff. di Poisson
n	Coeff. di omogenizzazione acciaio/cls
ntc	Coeff. di omogenizzazione cls tesoro/compresso

Calcestruzzo armato

n°	Descr	C	A	γ [kN/mc]	R_{ck} [kPa]	E [kPa]	ν	n	ntc
1	C32/40	C32/40	B450C	24.5170	40000	33642648	0.30	15.00	0.50

Acciai

Descr	f_{yk} [kPa]	f_{uk} [kPa]
B450C	450000	540000

Tipologie pali

Simbologia adottata

n°	Indice tipologia palo
Descr	Descrizione tipologia palo
P	Contributo portanza palo (laterale e/o punta)
T	Tecnologia costruttiva (trivellato, infisso o elica continua)
V	Vincolo palo-fondazione: Cerniera o Incastro (libero o impedito di ruotare in testa)
Imat	Indice materiale che lo costituisce
BD	usa metodo di Bustamante-Doix
PN	Portanza nota
Pp, PI	Portanza di punta e laterale caratteristica, espressa in [kN]

n°	Descr	P	T	V	Imat	BD	PN	Pp	PI
1	Tipologia palo	Laterale + Punta	Trivellato	Incastro	1	NO	NO	--	--

Geometria profilo terreno a monte del muro

Simbologia adottata

(Sistema di riferimento con origine in testa al muro, ascissa X positiva verso monte, ordinata Y positiva verso l'alto)

n°	numero ordine del punto
X	ascissa del punto espressa in [m]
Y	ordinata del punto espressa in [m]
A	inclinazione del tratto espressa in [°]

n°	X [m]	Y [m]	A [°]
1	0.00	0.00	0.000
2	30.00	0.00	0.000

Inclinazione terreno a valle del muro rispetto all'orizzontale 0.000 [°]

Geometria muro

Geometria paramento e fondazione

Lunghezza muro	20.00	[m]
Paramento		
Materiale	C32/40	
Altezza paramento	5.95	[m]
Altezza paramento libero	5.95	[m]
Spessore in sommità	0.30	[m]
Spessore all'attacco con la fondazione	1.00	[m]
Inclinazione paramento esterno	0.00	[°]
Inclinazione paramento interno	6.70	[°]
Fondazione		
Materiale	C32/40	
Lunghezza mensola di valle	1.00	[m]
Lunghezza mensola di monte	5.00	[m]
Lunghezza totale	7.00	[m]
Inclinazione piano di posa	0.00	[°]
Spessore	1.00	[m]
Spessore magrone	0.00	[m]

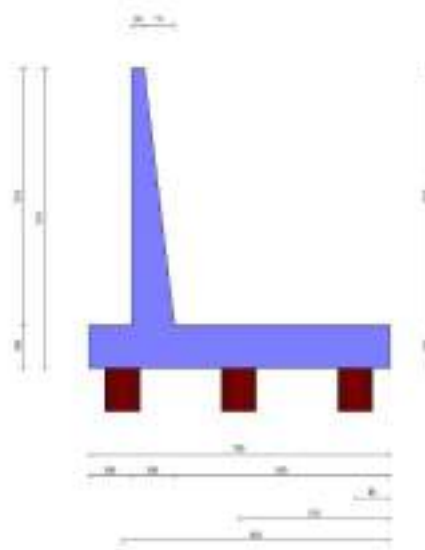


Fig. 1 - Sezione quotata del muro

Descrizione pali di fondazione

Simbologia adottata

- n° numero d'ordine della fila
- X ascissa della fila misurata dallo spigolo di monte della fondazione espressa in [m]
- I interasse tra i pali, espressa in [m]
- f franco laterale (distanza minima dal bordo laterale), espressa in [m]
- Np Numero di pali della fila
- D diametro dei pali della fila espresso in [cm]
- L lunghezza dei pali della fila espressa in [m]
- α inclinazione dei pali della fila rispetto alla verticale espressa in [°]
- ALL allineamento dei pali della fila rispetto al baricentro della fondazione (CENTRATI o SFALSATI)

n°	Tipologia	X [m]	I [m]	f [m]	Np	D [cm]	L [m]	α [°]	ALL
1	Tipologia palo	0.80	3.00	0.00	7	80.00	40.00	0.00	Centrati
2	Tipologia palo	3.50	3.00	0.00	7	80.00	40.00	0.00	Centrati
3	Tipologia palo	6.20	3.00	0.00	7	80.00	40.00	0.00	Centrati

RELAZIONE DI CALCOLO

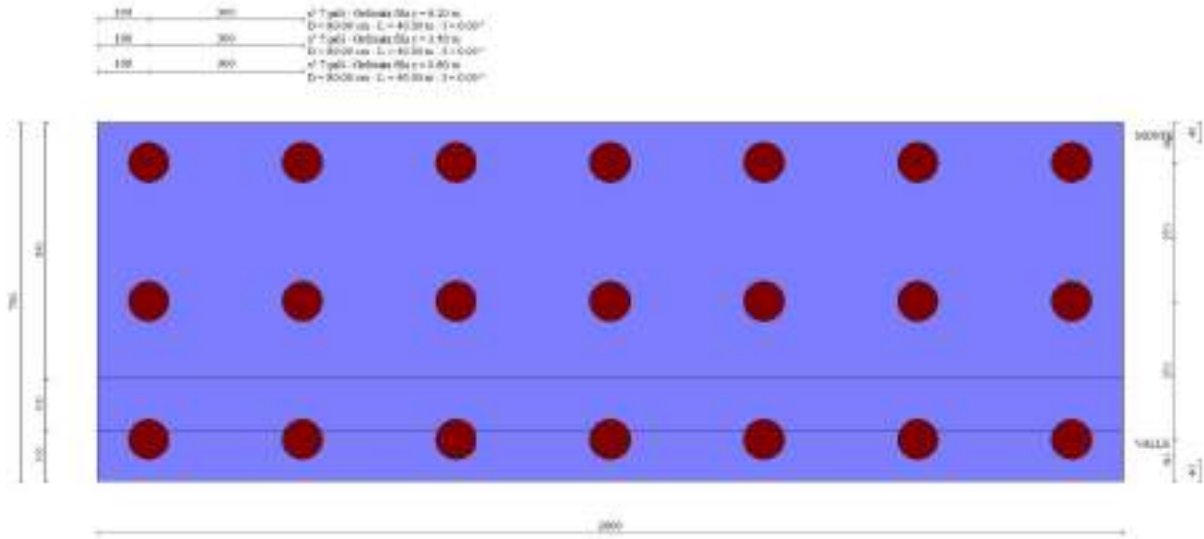


Fig. 2 - Pianta pali

Descrizione terreni

Parametri di resistenza

Simbologia adottata

- n° Indice del terreno
- Descr Descrizione terreno
- γ Peso di volume del terreno espresso in [kN/mc]
- γ_s Peso di volume saturo del terreno espresso in [kN/mc]
- ϕ Angolo d'attrito interno espresso in [°]
- δ Angolo d'attrito terra-muro espresso in [°]
- c Coesione espressa in [kPa]
- c_a Adesione terra-muro espressa in [kPa]
- Per calcolo portanza con il metodo di Bustamante-Doix
- Cesp Coeff. di espansione laterale (solo per il metodo di Bustamante-Doix)
- τ_l Tensione tangenziale limite, espressa in [kPa]

n°	Descr	γ [kN/mc]	γ_{sat} [kN/mc]	ϕ [°]	δ [°]	c [kPa]	c_a [kPa]	Cesp	τ_l [kPa]	
1	RILEVATO	19.0000	19.0000	35.000	23.330	0	0	1.000	0	(CAR)
				37.000	24.667	0	0			(MIN)
				38.000	25.333	0	0			(MED)
2	Qa	18.0000	18.0000	24.000	16.000	30	15	1.000	0	(CAR)
				24.000	16.000	30	15			(MIN)
				27.000	18.000	32	16			(MED)
3	Qc (a)	18.0000	18.0000	40.000	26.670	0	0	1.000	0	(CAR)
				40.000	26.667	0	0			(MIN)
				45.000	30.000	0	0			(MED)

Stratigrafia

Simbologia adottata

- n° Indice dello strato
- H Spessore dello strato espresso in [m]
- α Inclinazione espressa in [°]
- Terreno Terreno dello strato
- Kwn, Kwt Costante di Winkler normale e tangenziale alla superficie espressa in Kg/cm²/cm
- Per calcolo pali (solo se presenti)
- Kw Costante di Winkler orizzontale espressa in Kg/cm²/cm
- Ks Coefficiente di spinta
- Cesp Coefficiente di espansione laterale (per tutti i metodi tranne il metodo di Bustamante-Doix)

Per calcolo della spinta con coeff. di spinta definiti (usati solo se attiva l'opzione 'Usa coeff. di spinta da strato')

Kstata, Kstsis Coeff. di spinta statico e sismico

RELAZIONE DI CALCOLO

n°	H [m]	α [°]	Terreno	Kwn [Kg/cm ²]	Kwt [Kg/cm ²]	Kw [Kg/cm ²]	Ks	Cesp	Kst _{sta}	Kst _{sis}
1	7.05	0.000	RILEVATO	0.000	0.000	0.000	0.000	1.000	---	---
2	60.00	0.000	Qa	0.000	0.000	0.000	0.000	1.000	---	---



Fig. 3 - Stratigrafia

Condizioni di carico

Simbologia adottata

Carichi verticali positivi verso il basso.
Carichi orizzontali positivi verso sinistra.
Momento positivo senso antiorario.

- X Ascissa del punto di applicazione del carico concentrato espressa in [m]
- F_x Componente orizzontale del carico concentrato espressa in [kN]
- F_y Componente verticale del carico concentrato espressa in [kN]
- M Momento espresso in [kNm]
- X_i Ascissa del punto iniziale del carico ripartito espressa in [m]
- X_f Ascissa del punto finale del carico ripartito espressa in [m]
- Q_i Intensità del carico per x=X_i espressa in [kN]
- Q_f Intensità del carico per x=X_f espressa in [kN]

Condizione n° 1 (Condizione 1) -

Carichi sul muro

n°	Tipo	Dest	X; Y [m]	F _x [kN]	F _y [kN]	M [kNm]	X _i [m]	X _f [m]	Q _i [kN]	Q _f [kN]
1	Concentrato	Paramento	0.00; 0.00	0.0000	3.0000	0.0000				

RELAZIONE DI CALCOLO

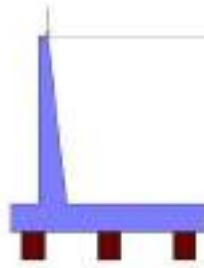


Fig. 4 - Carichi sul muro

Normativa

Normativa usata: **Norme Tecniche sulle Costruzioni 2008 (D.M. 14.01.2008) - Approccio 2 + Circolare C.S.LL.PP. 02/02/2009 n.617**

Coeff. parziali per le azioni o per l'effetto delle azioni

Carichi	Effetto		Combinazioni statiche					Combinazioni sismiche		
			HYD	UPL	EQU	A1	A2	EQU	A1	A2
Permanenti strutturali	Favorevoli	$\gamma_{G1, fav}$	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00
Permanenti strutturali	Sfavorevoli	$\gamma_{G1, sfav}$	1.30	1.10	1.10	1.30	1.00	1.00	1.00	1.00
Permanenti non strutturali	Favorevoli	$\gamma_{G2, fav}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Permanenti non strutturali	Sfavorevoli	$\gamma_{G2, sfav}$	1.50	1.50	1.50	1.50	1.30	1.00	1.00	1.00
Variabili	Favorevoli	$\gamma_{Q, fav}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variabili	Sfavorevoli	$\gamma_{Q, sfav}$	1.50	1.50	1.50	1.50	1.30	1.00	1.00	1.00
Variabili da traffico	Favorevoli	$\gamma_{QT, fav}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variabili da traffico	Sfavorevoli	$\gamma_{QT, sfav}$	1.50	1.50	1.35	1.35	1.15	1.00	1.00	1.00

Coeff. parziali per i parametri geotecnici del terreno

Parametro		Combinazioni statiche		Combinazioni sismiche	
		M1	M2	M1	M2
Tangente dell'angolo di attrito	$\gamma_{\tan(\phi')}$	1.00	1.25	1.00	1.25
Coesione efficace	γ_c	1.00	1.25	1.00	1.25
Resistenza non drenata	γ_{cu}	1.00	1.40	1.00	1.40
Peso nell'unità di volume	γ_γ	1.00	1.00	1.00	1.00

Coeff. parziali γ_R per le verifiche agli stati limite ultimi STR e GEO

Verifica	Combinazioni statiche			Combinazioni sismiche		
	R1	R2	R3	R1	R2	R3
Capacità portante	--	--	1.40	--	--	1.20
Scorrimento	--	--	1.10	--	--	1.00
Resistenza terreno a valle	--	--	1.40	--	--	1.20
Ribaltamento	--	--	1.00	--	--	1.00
Stabilità fronte di scavo	--	1.10	--	--	1.20	--

Carichi verticali. Coeff. parziali γ_R da applicare alle resistenze caratteristiche

Resistenza		Pali infissi			Pali trivellati			Pali ad elica continua		
		R1	R2	R3	R1	R2	R3	R1	R2	R3
Punta	γ_b	--	--	1.15	--	--	1.35	--	--	1.30
Laterale compressione	γ_s	--	--	1.15	--	--	1.15	--	--	1.15
Totale compressione	γ_t	--	--	1.15	--	--	1.30	--	--	1.25
Laterale trazione	γ_{st}	--	--	1.25	--	--	1.25	--	--	1.25

Carichi trasversali. Coeff. parziali γ_R da applicare alle resistenze caratteristiche

		R1	R2	R3
Trasversale	γ_t	--	--	1.30

Coefficienti di riduzione ζ per la determinazione della resistenza caratteristica dei pali

Numero di verticali indagate 1

$\zeta_3=1.70$ $\zeta_4=1.70$

Descrizione combinazioni di carico

Con riferimento alle azioni elementari prima determinate, si sono considerate le seguenti combinazioni di carico:

- Combinazione fondamentale, impiegata per gli stati limite ultimi (SLU):

$$\gamma_{G1} G_1 + \gamma_{G2} G_2 + \gamma_{Q1} Q_{k1} + \gamma_{Q2} Q_{k2} + \gamma_{Q3} Q_{k3} + \dots$$

- Combinazione caratteristica, cosiddetta rara, impiegata per gli stati limite di esercizio (SLE) irreversibili:

$$G_1 + G_2 + Q_{k1} + \Psi_{0,2} Q_{k2} + \Psi_{0,3} Q_{k3} + \dots$$

- Combinazione frequente, impiegata per gli stati limite di esercizio (SLE) reversibili:

$$G_1 + G_2 + \Psi_{1,1} Q_{k1} + \Psi_{2,2} Q_{k2} + \Psi_{2,3} Q_{k3} + \dots$$

- Combinazione quasi permanente, impiegata per gli effetti di lungo periodo:

$$G_1 + G_2 + \Psi_{2,1} Q_{k1} + \Psi_{2,2} Q_{k2} + \Psi_{2,3} Q_{k3} + \dots$$

- Combinazione sismica, impiegata per gli stati limite ultimi connessi all'azione sismica E:

$$E + G_1 + G_2 + \Psi_{2,1} Q_{k1} + \Psi_{2,2} Q_{k2} + \Psi_{2,3} Q_{k3} + \dots$$

I valori dei coeff. $\Psi_{0,j}$, $\Psi_{1,j}$, $\Psi_{2,j}$ sono definiti nelle singole condizioni variabili.

I valori dei coeff. γ_G e γ_Q , sono definiti nella tabella normativa.

In particolare si sono considerate le seguenti combinazioni:

Simbologia adottata

γ Coefficiente di partecipazione della condizione

Ψ Coefficiente di combinazione della condizione

Combinazione n° 1 - STR (A1-M1-R3)

Condizione	γ	Ψ	Effetto
Peso muro	1.00	--	Favorevole
Peso terrapieno	1.00	--	Favorevole
Spinta terreno	1.30	--	Sfavorevole
Condizione 1	1.50	1.00	Sfavorevole

Combinazione n° 2 - STR (A1-M1-R3) H

Condizione	γ	Ψ	Effetto
Peso muro	1.00	--	Favorevole
Peso terrapieno	1.00	--	Favorevole
Spinta terreno	1.00	--	Sfavorevole
Condizione 1	1.00	1.00	Sfavorevole

Combinazione n° 3 - GEO (A2-M2-R2)

Condizione	γ	Ψ	Effetto
Peso muro	1.00	--	Sfavorevole
Peso terrapieno	1.00	--	Sfavorevole
Spinta terreno	1.00	--	Sfavorevole
Condizione 1	1.30	1.00	Sfavorevole

Combinazione n° 4 - GEO (A2-M2-R2) H

Condizione	γ	Ψ	Effetto
Peso muro	1.00	--	Sfavorevole
Peso terrapieno	1.00	--	Sfavorevole
Spinta terreno	1.00	--	Sfavorevole
Condizione 1	1.00	1.00	Sfavorevole

Combinazione n° 5 - SLER

RELAZIONE DI CALCOLO

Condizione	γ	Ψ	Effetto
Peso muro	1.00	--	Sfavorevole
Peso terrapieno	1.00	--	Sfavorevole
Spinta terreno	1.00	--	Sfavorevole
Condizione 1	1.00	1.00	Sfavorevole

Combinazione n° 6 - SLEF

Condizione	γ	Ψ	Effetto
Peso muro	1.00	--	Sfavorevole
Peso terrapieno	1.00	--	Sfavorevole
Spinta terreno	1.00	--	Sfavorevole
Condizione 1	1.00	1.00	Sfavorevole

Combinazione n° 7 - SLEQ

Condizione	γ	Ψ	Effetto
Peso muro	1.00	--	Sfavorevole
Peso terrapieno	1.00	--	Sfavorevole
Spinta terreno	1.00	--	Sfavorevole
Condizione 1	1.00	1.00	Sfavorevole

Combinazione n° 8 - SLEQ_H

Condizione	γ	Ψ	Effetto
Peso muro	1.00	--	Sfavorevole
Peso terrapieno	1.00	--	Sfavorevole
Spinta terreno	1.00	--	Sfavorevole
Condizione 1	1.00	1.00	Sfavorevole

Dati sismici

Comune	Vizzini
Provincia	Catania
Regione	Sicilia
Latitudine	37.161987
Longitudine	14.750763
Indice punti di interpolazione	49415 - 49637 - 49638 - 49416
Vita nominale	50 anni
Classe d'uso	IV
Tipo costruzione	Normali affollamenti
Vita di riferimento	100 anni

	Simbolo	U.M.	SLU	SLE
Accelerazione al suolo	a_g	[m/s ²]	3.645	1.028
Accelerazione al suolo	a_g/g	[%]	0.372	0.105
Massimo fattore amplificazione spettro orizzontale	F0		2.345	2.340
Periodo inizio tratto spettro a velocità costante	Tc*		0.468	0.297
Tipo di sottosuolo - Coefficiente stratigrafico	Ss		B	1.051
Categoria topografica - Coefficiente amplificazione topografica	St		T1	1.000

Stato limite ...	Coeff. di riduzione β_m	kh [%]	kv [%]
Ultimo	1.000	39.050	19.525
Esercizio	1.000	12.574	6.287

Nel calcolo non è stato portato in conto il sisma verticale
Forma diagramma incremento sismico **Rettangolare**

10.1.2 Opzioni di calcolo

Spinta

Metodo di calcolo della spinta
Tipo di spinta
Terreno a bassa permeabilità
Superficie di spinta limitata

Mononobe-Okabe
Spinta a riposo
SI
NO

Stabilità globale

RELAZIONE DI CALCOLO

Metodo di calcolo della stabilità globale Bishop

Altro

Partecipazione spinta passiva terreno antistante 0.00
Partecipazione resistenza passiva dente di fondazione 50.00
Componente verticale della spinta nel calcolo delle sollecitazioni NO
Considera terreno sulla fondazione di valle SI
Considera spinta e peso acqua fondazione di valle NO

Spostamenti

Modello a blocchi
Non è stato richiesto il calcolo degli spostamenti
Spostamento limite 5.00 [cm]

Opzioni calcolo pali

Portanza verticale

Metodo di calcolo della portanza alla punta Meyerhof
Metodo di calcolo della portanza alla laterale Integrazione delle tensioni tangenziali ($k_s \sigma_v \tan(\delta) + c_a$)
Correzione angolo di attrito in funzione del tipo di palo (infisso/trivellato) Non attiva
Andamento pressione verticale nel calcolo della portanza alla punta σ_v con la profondità Pressione geostatica
Andamento pressione verticale nel calcolo della portanza laterale Pressione geostatica

Portanza trasversale

Costante di Winkler: variabile secondo la legge binomia $K_w = A + B \cdot Z^n$ con $A = 1.00$ $B = 1.00$ $n = 1.00$

Criterio rottura palo-terreno

- Spostamento limite Non attivo
- Pressione limite Pressione passiva con moltiplicatore $M = 3.00$
- Palo infinitamente elastico Non attivo

Cedimenti

Metodo di calcolo Metodo agli elementi finiti
Spostamento limite alla punta 1.00 [cm]
Spostamento limite laterale 0.50 [cm]

Specifiche per le verifiche nelle combinazioni allo Stato Limite Ultimo (SLU)

	SLU	Eccezionale
Coefficiente di sicurezza calcestruzzo a compressione	1.50	1.00
Coefficiente di sicurezza acciaio	1.15	1.00
Fattore di riduzione da resistenza cubica a cilindrica	0.83	0.83
Fattore di riduzione per carichi di lungo periodo	0.85	0.85
Coefficiente di sicurezza per la sezione	1.00	1.00

Specifiche per le verifiche nelle combinazioni allo Stato Limite di Esercizio (SLE)

Paramento e fondazione muro

Verifiche strutturali nelle combinazioni SLD eseguite. Struttura in classe d'uso III o IV

Condizioni ambientali Aggressive
Armatura ad aderenza migliorata SI

Verifica a fessurazione

Sensibilità armatura Poco sensibile
Metodo di calcolo aperture delle fessure Circ. Min. 252 (15/10/96) - NTC 2008 I Formulazione
Calcolo momento fessurazione Apertura
Resistenza a trazione per Flessione
Valori limite aperture delle fessure:
 $w_1 = 0.20$
 $w_2 = 0.30$
 $w_3 = 0.40$

Verifica delle tensioni

Valori limite delle tensioni nei materiali:

Combinazione	Calcestruzzo	Acciaio
Rara	0.60 f_{ck}	0.80 f_{yk}
Frequente	1.00 f_{ck}	1.00 f_{yk}
Quasi permanente	0.45 f_{ck}	1.00 f_{yk}

10.1.3 Risultati per inviluppo

Spinta e forze

Simbologia adottata

Ic	Indice della combinazione
A	Tipo azione
I	Inclinazione della spinta, espressa in [°]
V	Valore dell'azione, espressa in [kN]
Cx, Cy	Componente in direzione X ed Y dell'azione, espressa in [kN]
Px, Py	Coordinata X ed Y del punto di applicazione dell'azione, espressa in [m]

Ic	A	V [kN]	I [°]	Cx [kN]	Cy [kN]	Px [m]	Py [m]
1	Spinta statica	229.43	23.33	210.67	90.86	5.70	-4.21
	Peso/Inerzia muro			0.00	266.34/0.00	1.44	-5.40
	Peso/Inerzia terrapieno			0.00	604.76/0.00	3.02	-2.91
	Risultante forze sul muro			0.00	4.50	--	--
	Resistenza pali				-684.48		
2	Spinta statica	176.48	23.33	162.05	69.89	5.70	-4.21
	Incremento di spinta sismica			262.07	103.79	5.70	-3.48
	Peso/Inerzia muro			104.00	266.34/0.00	1.44	-5.40
	Peso/Inerzia terrapieno			236.16	604.76/0.00	3.02	-2.91
	Risultante forze sul muro			1.17	3.00	--	--
	Resistenza pali				-763.25		

Risultanti globali

Simbologia adottata

Cmb	Indice/Tipo combinazione
N	Componente normale al piano di posa, espressa in [kN]
T	Componente parallela al piano di posa, espressa in [kN]
Mr	Momento ribaltante, espresso in [kNm]
Ms	Momento stabilizzante, espresso in [kNm]
ecc	Eccentricità risultante, espressa in [m]

Ic	N [kN]	T [kN]	Mr [kNm]	Ms [kNm]	ecc [m]
1 - STR (A1-M1-R3)	966.46	210.67	577.00	3983.55	-0.025
2 - STR (A1-M1-R3)	1047.77	744.03	2403.06	4561.24	1.440
3 - GEO (A2-M2-R2)	943.25	197.82	533.52	3824.57	0.010
4 - GEO (A2-M2-R2)	1038.77	818.60	2627.56	4498.21	1.699
5 - SLER	943.99	162.05	443.84	3834.85	-0.093
6 - SLEF	943.99	162.05	443.84	3834.85	-0.093
7 - SLEQ	943.99	162.05	443.84	3834.85	-0.093
8 - SLEQ	966.87	325.02	989.84	3995.02	0.391

Scarichi in testa ai pali

Simbologia adottata

Cmb	Indice/Tipo combinazione
Ip	Indice palo
N	Sforzo normale, espresso in [kN]
M	Momento, espresso in [kNm]
T	Taglio, espresso in [kN]

Cmb	Ip	N [kN]	M [kNm]	T [kN]
1 - STR (A1-M1-R3)	1	732.50	-362.05	-200.64
	2	920.43	-362.05	-200.64
	3	1108.36	-362.05	-200.64
2 - STR (A1-M1-R3) H	1	-442.28	-1146.49	-708.60
	2	1008.61	-1146.49	-708.60
	3	2427.30	-1146.49	-708.60

Verifiche geotecniche

Quadro riassuntivo coeff. di sicurezza calcolati

Simbologia adottata

Cmb	Indice/Tipo combinazione
S	Sisma (H: componente orizzontale, V: componente verticale)
FS _{SCO}	Coeff. di sicurezza allo scorrimento
FS _{RIB}	Coeff. di sicurezza al ribaltamento
FS _{QLIM}	Coeff. di sicurezza a carico limite
FS _{STAB}	Coeff. di sicurezza a stabilità globale
FS _{HYD}	Coeff. di sicurezza a sifonamento
FS _{UPL}	Coeff. di sicurezza a sollevamento

Cmb	Sismica	FS _{SCO}	FS _{RIB}	FS _{QLIM}	FS _{STAB}	FS _{HYD}	FS _{UPL}
1 - STR (A1-M1-R3)		3.249					
2 - STR (A1-M1-R3)	H	1.026					
3 - GEO (A2-M2-R2)					4.351		
4 - GEO (A2-M2-R2)	H				1.942		

Verifiche portanza trasversale (scorrimento)

Simbologia adottata

Ic	Indice/Tipo combinazione
Ip	Indice palo
T	Carico orizzontale agente alla testa del palo, espresso in [kN]
Td	Portanza trasversale di progetto, espresso in [kN]
FSo	Fattore di sicurezza (Td/T)

Ic	Ip	T [kN]	Td [kN]	FSo
1 - STR (A1-M1-R3)	1	-200.64	651.89	3.249
	2	-200.64	651.89	3.249
	3	-200.64	651.89	3.249
2 - STR (A1-M1-R3) H	1	-708.60	726.91	1.026
	2	-708.60	726.91	1.026
	3	-708.60	726.91	1.026

Verifiche portanza verticale

Simbologia adottata

Ic	Indice/Tipo combinazione
Ip	Indice palo
N	Carico verticale agente alla testa del palo, espresso in [kN]
Pd	Portanza di progetto, espresso in [kN]
FSv	Fattore di sicurezza (Pd/N)

Ic	Ip	N [kN]	Pd [kN]	FSv
1 - STR (A1-M1-R3)	1	732.50	2429.36	3.317
	2	920.43	2429.36	2.639
	3	1108.36	2429.36	2.192
2 - STR (A1-M1-R3) H	1	-442.28	2367.81	5.354
	2	1008.61	2429.36	2.409
	3	2427.30	2429.36	1.001
2 - STR (A1-M1-R3) H	1	-442.28	2367.81	5.354
	2	1008.61	2429.36	2.409
	3	2427.30	2429.36	1.001

Dettagli calcolo portanza verticale

Simbologia adottata

n°	Indice palo
Nc, Nq	Coeff. di capacità portante
N'c, N'q	Coeff. di capacità portante corretti
Zc	Massima profondità andamento pressione geostatica, espressa in [m]
Pp, Pl	Portanza di punta e laterale caratteristica, espresse in [kN]
A	Attrito negativo, espresso in [kN]
Wp	Peso palo, espresso in [kN]

n°	Nc	N'c	Nq	N'q	Zc	Pp	Pl	A	Wp
----	----	-----	----	-----	----	----	----	---	----

RELAZIONE DI CALCOLO

					[m]	[kN]	[kN]	[kN]	[kN]
1	23.942	55.265	13.199	16.539	--	6875.58 4940.90	1604.47 1504.19	0.00	492.94
2	23.942	55.265	13.199	16.539	--	6875.58 4940.90	1604.47 1504.19	0.00	492.94
3	23.942	55.265	13.199	16.539	--	6875.58 4940.90	1604.47 1504.19	0.00	492.94

Verifica stabilità globale muro + terreno

Simbologia adottata

Ic Indice/Tipo combinazione
C Centro superficie di scorrimento, espresso in [m]
R Raggio, espresso in [m]
FS Fattore di sicurezza

Ic	C	R	FS
	[m]	[m]	
3 - GEO (A2-M2-R2)	-2.50; 4.50	14.09	4.351
4 - GEO (A2-M2-R2) H	-2.50; 4.50	32.31	1.942

Dettagli strisce verifiche stabilità

Simbologia adottata

Le ascisse X sono considerate positive verso monte
Le ordinate Y sono considerate positive verso l'alto
Origine in testa al muro (spigolo contro terra)
W peso della striscia espresso in [kN]
Qy carico sulla striscia espresso in [kN]
Qf carico acqua sulla striscia espresso in [kN]
 α angolo fra la base della striscia e l'orizzontale espresso in [°] (positivo antiorario)
 ϕ angolo d'attrito del terreno lungo la base della striscia
c coesione del terreno lungo la base della striscia espressa in [kPa]
b larghezza della striscia espressa in [m]
u pressione neutra lungo la base della striscia espressa in [kPa]
Tx; Ty Resistenza al taglio fornita dai tiranti in direzione X ed Y espressa in [kPa]

n°	W	Qy	Qf	b	α	ϕ	c	u	Tx; Ty
	[kN]	[kN]	[kN]	[m]	[°]	[°]	[kPa]	[kPa]	[kN]
1	18.21	0.00	0.00	10.87 - 0.91	66.486	29.256	0	0.0	
2	49.37	0.00	0.00	0.91	58.521	29.256	0	0.0	
3	72.44	0.00	0.00	0.91	51.949	29.256	0	0.0	
4	90.84	0.00	0.00	0.91	46.250	29.256	0	0.0	
5	106.03	0.00	0.00	0.91	41.099	29.256	0	0.0	
6	120.49	0.00	0.00	0.91	36.330	29.256	0	0.0	
7	134.18	0.00	0.00	0.91	31.838	19.605	24	0.0	
8	142.76	0.00	0.00	0.91	27.558	19.605	24	0.0	
9	149.93	0.00	0.00	0.91	23.439	19.605	24	0.0	
10	155.84	0.00	0.00	0.91	19.446	19.605	24	0.0	
11	160.58	0.00	0.00	0.91	15.549	19.605	24	0.0	
12	178.80	3.90	0.00	0.91	11.725	19.605	24	0.0	
13	81.78	0.00	0.00	0.91	7.953	19.605	24	0.0	
14	61.76	0.00	0.00	0.91	4.216	19.605	24	0.0	
15	60.76	0.00	0.00	0.91	0.497	19.605	24	0.0	
16	60.41	0.00	0.00	0.91	-3.220	19.605	24	0.0	
17	59.07	0.00	0.00	0.91	-6.950	19.605	24	0.0	
18	56.73	0.00	0.00	0.91	-10.711	19.605	24	0.0	
19	53.37	0.00	0.00	0.91	-14.519	19.605	24	0.0	
20	48.93	0.00	0.00	0.91	-18.394	19.605	24	0.0	
21	43.34	0.00	0.00	0.91	-22.359	19.605	24	0.0	
22	36.52	0.00	0.00	0.91	-26.441	19.605	24	0.0	
23	28.33	0.00	0.00	0.91	-30.674	19.605	24	0.0	
24	18.52	0.00	0.00	0.91	-35.104	29.256	0	0.0	
25	6.41	0.00	0.00	-11.97 - 0.91	-39.372	29.256	0	0.0	

Resistenza al taglio pali 1105.99 [kN]

n°	W	Qy	Qf	b	α	ϕ	c	u	Tx; Ty
	[kN]	[kN]	[kN]	[m]	[°]	[°]	[kPa]	[kPa]	[kN]
1	205.91	0.00	0.00	29.50 - 2.50	73.903	29.256	0	0.0	
2	511.56	0.00	0.00	2.50	61.307	19.605	24	0.0	
3	689.42	0.00	0.00	2.50	52.989	19.605	24	0.0	
4	822.83	0.00	0.00	2.50	46.096	19.605	24	0.0	
5	928.74	0.00	0.00	2.50	39.995	19.605	24	0.0	
6	1014.68	0.00	0.00	2.50	34.405	19.605	24	0.0	

RELAZIONE DI CALCOLO

n°	W [kN]	Qy [kN]	Qf [kN]	b [m]	α [°]	ϕ [°]	c [kPa]	u [kPa]	Tx; Ty [kN]
7	1084.79	0.00	0.00	2.50	29.171	19.605	24	0.0	
8	1141.61	0.00	0.00	2.50	24.194	19.605	24	0.0	
9	1186.82	0.00	0.00	2.50	19.406	19.605	24	0.0	
10	1228.32	0.00	0.00	2.50	14.756	19.605	24	0.0	
11	1260.36	0.00	0.00	2.50	10.204	19.605	24	0.0	
12	1270.83	3.00	0.00	2.50	5.717	19.605	24	0.0	
13	990.46	0.00	0.00	2.50	1.265	19.605	24	0.0	
14	984.35	0.00	0.00	2.50	-3.180	19.605	24	0.0	
15	973.65	0.00	0.00	2.50	-7.643	19.605	24	0.0	
16	953.94	0.00	0.00	2.50	-12.155	19.605	24	0.0	
17	924.82	0.00	0.00	2.50	-16.744	19.605	24	0.0	
18	885.70	0.00	0.00	2.50	-21.449	19.605	24	0.0	
19	835.65	0.00	0.00	2.50	-26.311	19.605	24	0.0	
20	773.35	0.00	0.00	2.50	-31.389	19.605	24	0.0	
21	696.81	0.00	0.00	2.50	-36.762	19.605	24	0.0	
22	602.91	0.00	0.00	2.50	-42.548	19.605	24	0.0	
23	486.39	0.00	0.00	2.50	-48.944	19.605	24	0.0	
24	336.97	0.00	0.00	2.50	-56.332	19.605	24	0.0	
25	126.81	0.00	0.00	-33.08 - 2.50	-65.677	19.605	24	0.0	

Resistenza al taglio pali 1105.99 [kN]

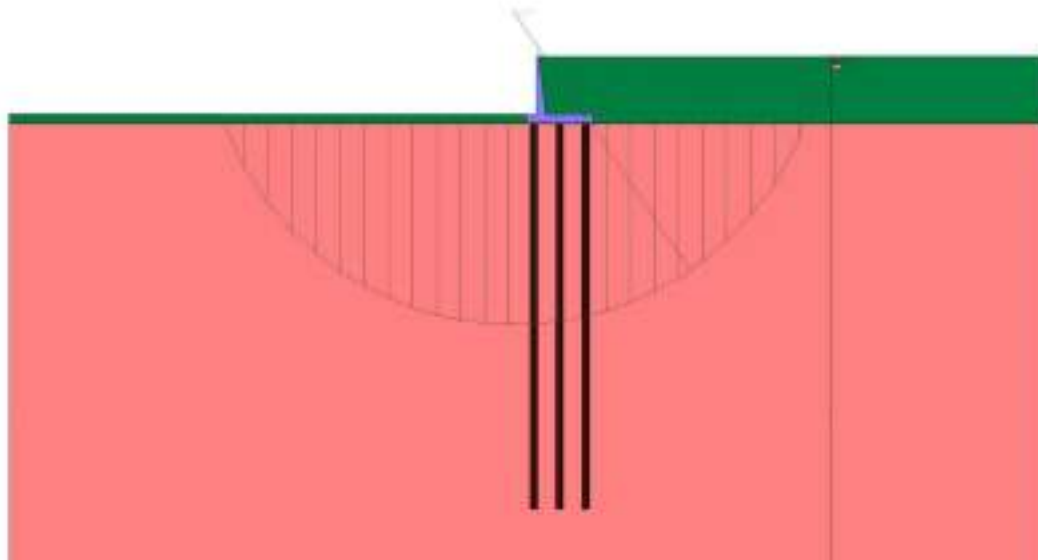


Fig. 5 - Stabilità fronte di scavo - Cerchio critico (Combinazione n° 4)

Sollecitazioni

Elementi calcolati a trave

Simbologia adottata

- n° Indice della sezione
- X Posizione della sezione, espresso in [m]
- N Sforzo normale, espresso in [kN]. Positivo se di compressione.
- T Taglio, espresso in [kN]. Positivo se diretto da monte verso valle
- M Momento, espresso in [kNm]. Positivo se tende le fibre contro terra (a monte)

La posizione delle sezioni di verifica fanno riferimento al sistema di riferimento globale la cui origine è nello spigolo in alto a destra del paramento.

Elementi calcolati a piastra

Simbologia adottata

- Mx, My Momenti flettenti, espresso in [kNm]
 - Mxy Momento torcente, espresso in [kNm]. Positivo se diretto da monte verso valle
 - Tx, Ty Tagli, espresso in [kN]. Positivo se tende le fibre contro terra (a monte)
- I momenti flettenti sono positivi se tendono le fibre inferiori (intradosso fondazione, paramento esterno)

Paramento

RELAZIONE DI CALCOLO

n°	X [m]	Nmin [kN]	Nmax [kN]	Tmin [kN]	Tmax [kN]	Mmin [kNm]	Mmax [kNm]
1	0.00	3.00	4.50	0.00	1.17	-0.67	-0.45
2	-0.10	3.74	5.24	0.85	5.36	-0.59	-0.11
3	-0.20	4.52	6.02	1.74	9.61	-0.39	0.66
4	-0.30	5.32	6.82	2.68	13.92	-0.07	1.85
5	-0.40	6.14	7.64	3.67	18.28	0.36	3.48
6	-0.50	7.00	8.50	4.71	22.71	0.81	5.55
7	-0.59	7.89	9.39	5.79	27.19	1.37	8.07
8	-0.69	8.80	10.30	6.92	31.74	2.05	11.04
9	-0.79	9.74	11.24	8.10	36.34	2.85	14.47
10	-0.89	10.71	12.21	9.33	41.00	3.78	18.36
11	-0.99	11.71	13.21	10.61	45.72	4.83	22.73
12	-1.09	12.74	14.24	11.93	50.49	6.02	27.57
13	-1.19	13.79	15.29	13.30	55.33	7.35	32.89
14	-1.29	14.88	16.38	14.72	60.23	8.82	38.70
15	-1.39	15.99	17.49	16.19	65.18	10.44	45.01
16	-1.49	17.13	18.63	17.70	70.19	12.22	51.82
17	-1.59	18.30	19.80	19.26	75.27	14.15	59.14
18	-1.69	19.49	20.99	20.87	80.40	16.25	66.96
19	-1.79	20.72	22.22	22.53	85.59	18.52	75.31
20	-1.88	21.97	23.47	24.24	90.84	20.96	84.18
21	-1.98	23.25	24.75	25.99	96.14	23.58	93.58
22	-2.08	24.56	26.06	27.79	101.51	26.39	103.52
23	-2.18	25.90	27.40	29.64	106.93	29.38	114.01
24	-2.28	27.27	28.77	31.54	112.42	32.57	125.04
25	-2.38	28.66	30.16	33.48	117.96	35.96	136.62
26	-2.48	30.09	31.59	35.47	123.56	39.55	148.77
27	-2.58	31.54	33.04	37.51	129.22	43.34	161.48
28	-2.68	33.02	34.52	39.60	134.94	47.36	174.77
29	-2.78	34.53	36.03	41.73	140.72	51.58	188.63
30	-2.88	36.06	37.56	43.92	146.56	56.04	203.08
31	-2.98	37.63	39.13	46.15	152.45	60.72	218.12
32	-3.07	39.22	40.72	48.43	158.41	65.63	233.76
33	-3.17	40.84	42.34	50.75	164.42	70.78	250.00
34	-3.27	42.49	43.99	53.13	170.49	76.17	266.84
35	-3.37	44.17	45.67	55.55	176.62	81.81	284.31
36	-3.47	45.88	47.38	58.02	182.81	87.71	302.39
37	-3.57	47.61	49.11	60.54	189.06	93.86	321.10
38	-3.67	49.37	50.87	63.10	195.37	100.27	340.44
39	-3.77	51.17	52.67	65.71	201.73	106.95	360.43
40	-3.87	52.99	54.49	68.37	208.16	113.90	381.05
41	-3.97	54.83	56.33	71.08	214.64	121.13	402.33
42	-4.07	56.71	58.21	73.84	221.19	128.64	424.26
43	-4.17	58.61	60.11	76.64	227.79	136.43	446.86
44	-4.26	60.55	62.05	79.49	234.45	144.52	470.13
45	-4.36	62.51	64.01	82.39	241.17	152.91	494.07
46	-4.46	64.50	66.00	85.34	247.94	161.59	518.69
47	-4.56	66.52	68.02	88.34	254.78	170.59	544.00
48	-4.66	68.56	70.06	91.38	261.68	179.89	570.00
49	-4.76	70.64	72.14	94.47	268.63	189.51	596.70
50	-4.86	72.74	74.24	97.61	275.64	199.45	624.10
51	-4.96	74.87	76.37	100.79	282.72	209.72	652.22
52	-5.06	77.03	78.53	104.03	289.85	220.32	681.05
53	-5.16	79.22	80.72	107.31	297.04	231.25	710.60
54	-5.26	81.44	82.94	110.64	304.29	242.52	740.88
55	-5.36	83.68	85.18	114.01	311.59	254.14	771.90
56	-5.45	85.95	87.45	117.44	318.96	266.11	803.66
57	-5.55	88.26	89.76	120.91	326.38	278.44	836.17
58	-5.65	90.59	92.09	124.43	333.87	291.12	869.42
59	-5.75	92.94	94.44	128.00	341.41	304.17	903.44
60	-5.85	95.33	96.83	131.62	349.01	317.59	938.22
61	-5.95	97.74	99.24	135.28	356.67	331.39	973.77

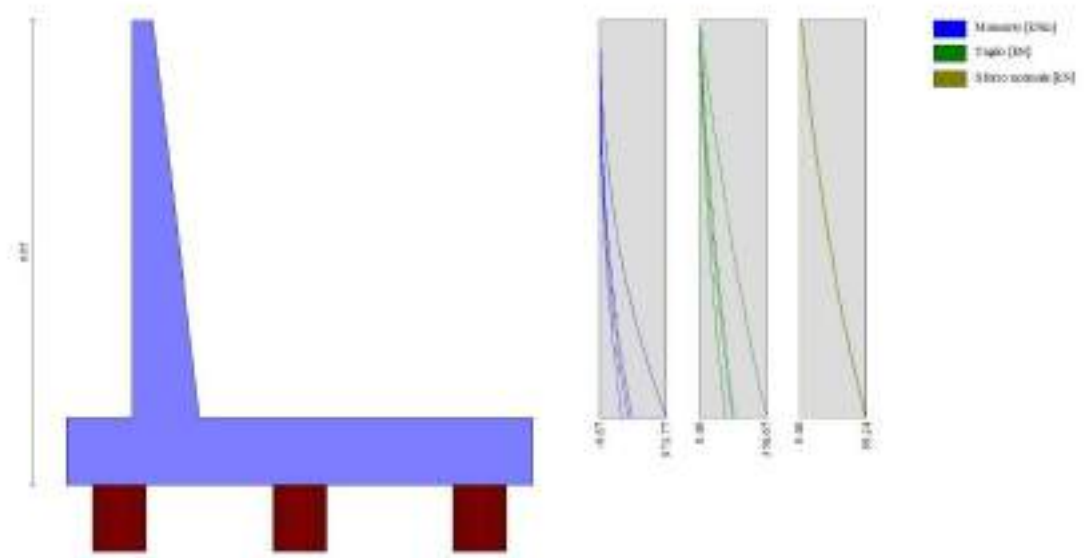


Fig. 6 - Paramento

Piastra fondazione

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]	
1	-23.51	-18.19	-2.22	-21.21	71.30	MAX
	-69.65	-54.53	-7.12	-89.73	12.75	MIN
2	-26.87	-7.73	-10.31	-20.85	18.86	MAX
	-70.80	-28.58	-33.68	-83.97	7.32	MIN
3	-27.44	-43.40	-10.71	95.67	-71.74	MAX
	-72.53	-138.16	-42.05	49.97	-159.20	MIN
4	61.47	1.19	-5.16	104.17	58.60	MAX
	21.55	-16.67	-21.31	50.01	6.07	MIN
5	-22.24	89.02	-0.50	-13.46	9.03	MAX
	-43.44	26.41	-0.72	-24.38	-55.80	MIN
6	-29.97	271.95	3.13	-5.47	228.94	MAX
	-40.01	63.91	0.96	-16.65	158.13	MIN
7	15.99	-63.04	75.22	415.82	-556.94	MAX
	-36.68	-414.53	38.48	163.29	-1371.44	MIN
8	2.20	7.34	27.49	0.00	45.90	MAX
	-8.25	-27.51	12.00	0.00	-0.61	MIN
9	-206.18	-277.54	-3.31	83.34	-575.04	MAX
	-576.62	-889.86	-10.23	36.39	-1580.31	MIN
10	-10.86	-8.32	36.48	43.16	12.30	MAX
	-29.05	-27.70	10.21	-3.93	4.63	MIN
11	-13.77	-36.65	37.90	-51.94	-59.69	MAX
	-43.06	-116.62	8.30	-100.69	-135.46	MIN
12	17.04	-66.33	-47.67	-132.55	-519.62	MAX
	-30.98	-410.34	-97.21	-338.52	-1293.56	MIN
13	17.04	-66.33	-47.67	-132.55	-519.62	MAX
	-30.98	-410.34	-97.21	-338.52	-1293.56	MIN
14	17.04	-66.33	-47.67	-132.55	-519.62	MAX
	-30.98	-410.34	-97.21	-338.52	-1293.56	MIN
15	-65.25	-217.51	-3.82	0.00	-1458.33	MAX
	-350.20	-1167.32	-5.43	0.00	-3674.30	MIN
16	-65.25	-217.51	-3.82	0.00	-1458.33	MAX
	-350.20	-1167.32	-5.43	0.00	-3674.30	MIN
17	-65.25	-217.51	-3.82	0.00	-1458.33	MAX
	-350.20	-1167.32	-5.43	0.00	-3674.30	MIN
18	35.65	-4.80	4.76	29.22	21.14	MAX
	18.09	-16.75	0.63	-0.62	1.89	MIN
19	55.68	2.39	7.55	-21.43	25.54	MAX
	25.73	-6.65	0.97	-40.67	3.83	MIN
20	-0.72	-2.41	-3.89	0.00	29.94	MAX
	-7.67	-25.57	-7.36	0.00	5.76	MIN
21	-0.72	-2.41	-3.89	0.00	29.94	MAX
	-7.67	-25.57	-7.36	0.00	5.76	MIN
22	78.91	263.02	59.38	0.00	50.84	MAX

RELAZIONE DI CALCOLO

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]	
	-259.20	-864.00	-11.78	0.00	-367.96	MIN
23	74.32	247.72	124.08	0.00	27.31	MAX
	-246.12	-820.39	-38.34	0.00	-39.62	MIN
24	79.15	263.83	37.81	0.00	40.86	MAX
	-277.86	-926.19	6.64	0.00	-485.08	MIN
25	63.75	212.51	28.42	0.00	-2.31	MAX
	-302.49	-1008.30	18.67	0.00	-487.33	MIN
26	45.83	152.78	18.46	0.00	-51.44	MAX
	-320.29	-1067.64	16.34	0.00	-457.13	MIN
27	37.76	-3.94	-0.75	0.07	21.77	MAX
	18.66	-14.18	-4.45	-28.44	2.45	MIN
28	54.30	2.35	-1.19	38.36	26.65	MAX
	24.99	-6.16	-7.02	20.92	4.61	MIN
29	-0.90	-2.99	6.90	0.00	31.54	MAX
	-7.86	-26.19	3.37	0.00	6.76	MIN
30	-0.90	-2.99	6.90	0.00	31.54	MAX
	-7.86	-26.19	3.37	0.00	6.76	MIN
31	37.73	125.77	5.33	0.00	-70.08	MAX
	-324.19	-1080.63	-1.82	0.00	-454.11	MIN
32	13.66	235.50	25.64	79.86	87.18	MAX
	-90.28	-676.76	-10.76	-25.78	-319.60	MIN
33	-11.90	214.96	52.34	77.22	24.56	MAX
	-33.77	-731.85	-16.14	-32.30	8.25	MIN
34	42.21	258.69	47.50	88.35	57.24	MAX
	-149.14	-636.09	12.77	-11.83	-519.55	MIN
35	54.50	211.23	60.33	87.94	36.37	MAX
	-211.02	-775.04	35.51	1.98	-425.58	MIN
36	67.72	172.16	28.05	54.01	-23.87	MAX
	-230.20	-851.34	24.41	13.72	-397.58	MIN
37	63.91	154.68	8.75	25.55	-41.17	MAX
	-240.78	-865.01	-2.26	1.74	-397.60	MIN
38	-9.66	-8.63	-9.86	-0.61	14.80	MAX
	-24.13	-28.21	-34.49	-51.76	5.52	MIN
39	-11.43	-34.89	-8.08	97.55	-55.08	MAX
	-34.66	-110.11	-35.51	51.33	-125.11	MIN
40	15.74	-61.83	92.39	322.76	-494.04	MAX
	-27.69	-379.65	44.34	126.77	-1228.32	MIN
41	15.74	-61.83	92.39	322.76	-494.04	MAX
	-27.69	-379.65	44.34	126.77	-1228.32	MIN
42	39.79	132.63	1.08	0.00	-59.61	MAX
	-316.07	-1053.56	-7.10	0.00	-486.05	MIN
43	44.95	159.49	-4.37	23.75	-16.13	MAX
	-249.26	-821.89	-29.73	-19.12	-429.73	MIN
44	-29.64	145.79	-8.70	7.92	116.34	MAX
	-102.73	-697.23	-34.80	-28.40	-188.44	MIN
45	19.55	163.88	-7.38	24.80	116.36	MAX
	10.97	-651.00	-30.39	-18.31	-15.76	MIN
46	14.68	322.89	35.30	54.86	213.61	MAX
	-29.82	-115.00	20.73	-35.68	-606.76	MIN
47	21.47	132.54	88.69	117.96	68.90	MAX
	-190.12	-730.39	51.09	-40.80	-267.28	MIN
48	94.41	164.70	36.40	58.20	12.95	MAX
	-131.17	-683.68	32.27	-18.84	-308.47	MIN
49	93.44	154.31	11.40	42.92	-0.98	MAX
	-146.36	-694.45	-8.27	3.17	-313.15	MIN
50	23.80	103.88	-9.98	52.18	27.79	MAX
	-236.51	-759.09	-56.38	-47.21	-284.56	MIN
51	-15.98	85.73	0.21	1.10	14.73	MAX
	-23.66	25.54	0.05	0.33	-42.25	MIN
52	-28.12	240.15	0.23	0.07	212.86	MAX
	-34.81	54.40	0.04	-0.02	148.73	MIN
53	-193.49	-263.57	0.27	-0.05	-548.23	MAX
	-540.91	-840.84	0.05	-0.28	-1507.64	MIN
54	-60.56	-201.87	0.31	0.00	-1380.70	MAX
	-323.65	-1078.82	0.06	0.00	-3483.25	MIN
55	-60.56	-201.87	0.31	0.00	-1380.70	MAX
	-323.65	-1078.82	0.06	0.00	-3483.25	MIN
56	40.58	135.28	7.43	0.00	-57.97	MAX
	-307.42	-1024.73	1.62	0.00	-520.18	MIN
57	39.10	181.07	11.84	17.82	-29.55	MAX
	-229.37	-720.73	2.93	7.72	-561.25	MIN
58	28.49	270.41	16.25	16.91	145.23	MAX
	-124.15	-182.88	4.86	10.05	-648.96	MIN
59	15.10	93.07	-30.57	417.45	43.39	MAX
	-28.10	-655.60	-187.86	300.62	-200.67	MIN
60	16.09	122.42	17.98	131.68	120.81	MAX
	6.80	-602.70	13.77	67.25	-165.75	MIN
61	-253.54	-117.22	22.77	67.78	-173.51	MAX

RELAZIONE DI CALCOLO

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]	
	-376.49	-837.37	-4.77	-7.71	-1227.11	MIN
62	77.68	117.04	189.93	-313.76	36.49	MAX
	-72.15	-608.86	70.74	-323.95	-202.70	MIN
63	99.14	148.41	27.92	-23.67	13.15	MAX
	-83.40	-557.10	8.35	-47.82	-286.41	MIN
64	101.07	143.22	29.60	74.32	3.64	MAX
	-98.94	-563.60	21.13	51.16	-292.94	MIN
65	86.01	102.74	-18.29	366.10	8.68	MAX
	-123.08	-624.21	-153.34	312.45	-227.34	MIN
66	-226.93	-135.43	20.89	13.33	-209.56	MAX
	-467.91	-853.17	7.11	10.49	-1241.55	MIN
67	-9.82	-8.54	34.76	55.68	13.97	MAX
	-24.18	-27.87	9.88	1.68	5.35	MIN
68	-11.48	-34.79	36.17	-51.09	-55.42	MAX
	-34.42	-109.53	8.19	-97.22	-126.55	MIN
69	15.80	-61.64	-44.26	-126.75	-494.48	MAX
	-27.39	-378.69	-91.87	-322.72	-1230.24	MIN
70	15.80	-61.64	-44.26	-126.75	-494.48	MAX
	-27.39	-378.69	-91.87	-322.72	-1230.24	MIN
71	29.24	97.45	13.92	0.00	-74.90	MAX
	-318.02	-1060.06	10.86	0.00	-480.00	MIN
72	36.07	131.95	36.33	36.52	-31.05	MAX
	-254.12	-831.21	28.19	10.29	-425.03	MIN
73	16.81	83.74	66.92	69.29	14.07	MAX
	-243.48	-769.01	42.51	-23.01	-282.72	MIN
74	80.97	88.94	168.21	-292.39	-2.90	MAX
	-131.65	-633.23	59.94	-343.70	-228.28	MIN
75	-33.56	105.21	27.23	152.76	-55.68	MAX
	-62.23	-456.06	-20.00	24.37	-440.31	MIN
76	-2.88	118.23	16.22	194.00	75.31	MAX
	-19.71	-440.29	-37.61	67.26	-421.24	MIN
77	-22.34	100.00	30.14	7.67	-398.03	MAX
	-142.82	-680.62	1.73	-39.11	-1219.30	MIN
78	12.42	117.16	26.51	-88.10	-34.28	MAX
	-90.02	-407.06	17.27	-143.76	-380.97	MIN
79	84.14	143.67	30.63	-59.08	2.09	MAX
	-41.98	-364.52	16.89	-87.01	-313.80	MIN
80	88.80	142.60	33.30	119.88	-3.21	MAX
	-54.35	-366.63	11.43	51.25	-319.48	MIN
81	28.34	114.28	34.30	179.82	-48.88	MAX
	-130.50	-412.29	4.54	76.13	-398.31	MIN
82	5.00	95.11	25.06	9.66	-413.25	MAX
	-222.48	-674.97	9.19	5.43	-1231.12	MIN
83	25.97	107.04	15.88	-66.67	-57.55	MAX
	-139.95	-419.10	14.11	-159.93	-401.03	MIN
84	34.32	-4.77	6.16	40.96	18.75	MAX
	17.33	-16.66	1.17	3.14	1.72	MIN
85	53.41	2.34	7.13	-21.01	23.21	MAX
	24.50	-5.56	1.06	-38.54	3.88	MIN
86	-0.67	-2.22	-3.37	0.00	27.68	MAX
	-6.68	-22.28	-6.44	0.00	6.03	MIN
87	-0.67	-2.22	-3.37	0.00	27.68	MAX
	-6.68	-22.28	-6.44	0.00	6.03	MIN
88	16.37	54.56	10.13	0.00	-102.81	MAX
	-328.68	-1095.60	7.45	0.00	-442.33	MIN
89	46.58	99.75	15.79	22.48	-72.83	MAX
	-252.49	-885.66	11.55	9.95	-388.88	MIN
90	80.41	114.77	21.71	25.13	-29.55	MAX
	-162.75	-715.25	21.13	-13.62	-310.84	MIN
91	92.27	116.57	13.92	-35.57	-19.89	MAX
	-118.61	-581.65	-4.23	-47.71	-296.39	MIN
92	85.57	128.92	16.26	-46.20	-20.38	MAX
	-74.96	-379.65	7.55	-98.60	-325.99	MIN
93	0.23	168.12	20.61	1.20	-17.59	MAX
	-0.21	-114.33	-23.09	-10.04	-536.16	MIN
94	-2.83	144.90	16.33	-2.24	89.60	MAX
	-11.32	-121.98	-22.19	-10.47	-522.50	MIN
95	6.83	170.38	31.57	2.16	-47.57	MAX
	-1.59	-113.39	-11.78	-27.67	-600.58	MIN
96	39.48	167.24	36.19	1.77	-17.81	MAX
	-0.42	-115.02	7.23	-41.49	-477.27	MIN
97	67.02	143.16	33.33	7.44	18.59	MAX
	-2.44	-124.40	5.81	-23.01	-294.13	MIN
98	73.39	143.72	32.84	13.75	16.17	MAX
	-9.73	-125.50	19.28	4.84	-297.90	MIN
99	59.05	168.36	26.80	22.61	-23.80	MAX
	-21.17	-118.05	10.34	15.46	-485.04	MIN
100	45.92	174.99	27.34	8.00	-60.37	MAX

RELAZIONE DI CALCOLO

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]	
	-30.32	-116.83	10.37	1.62	-625.35	MIN
101	59.08	165.30	27.57	0.56	-29.53	MAX
	-29.90	-122.39	10.26	-17.10	-488.27	MIN
102	74.92	138.11	21.16	2.08	5.11	MAX
	-27.60	-133.67	0.58	-6.49	-304.80	MIN
103	40.92	-0.47	-0.58	2.29	15.10	MAX
	19.73	-2.93	-4.27	-21.02	0.80	MIN
104	48.90	3.86	0.91	39.08	20.53	MAX
	23.46	-0.82	-0.84	19.30	3.35	MIN
105	-0.76	-2.53	7.09	0.00	25.95	MAX
	-6.83	-22.76	3.62	0.00	5.91	MIN
106	-0.76	-2.53	7.09	0.00	25.95	MAX
	-6.83	-22.76	3.62	0.00	5.91	MIN
107	13.19	43.98	-1.00	0.00	-105.76	MAX
	-329.02	-1096.72	-6.31	0.00	-440.92	MIN
108	43.57	90.66	-0.89	13.67	-75.83	MAX
	-253.18	-887.46	-9.32	-16.80	-387.63	MIN
109	77.64	107.37	-0.10	36.70	-32.58	MAX
	-163.78	-717.44	-17.20	-17.15	-309.98	MIN
110	89.76	110.82	14.61	56.86	-22.79	MAX
	-119.98	-583.94	10.85	54.69	-296.01	MIN
111	83.43	125.16	18.87	108.30	-22.90	MAX
	-76.78	-381.76	1.93	59.83	-326.08	MIN
112	73.18	135.94	18.07	16.29	3.15	MAX
	-29.76	-135.29	11.04	7.28	-305.19	MIN
113	37.03	148.62	7.31	-32.83	90.50	MAX
	-32.39	81.95	-29.08	-140.38	-287.37	MIN
114	17.31	136.27	3.22	2.58	152.96	MAX
	2.19	89.80	-39.43	-165.57	-278.16	MIN
115	124.79	422.18	35.10	-2.62	119.45	MAX
	14.55	242.45	0.82	-36.04	-951.08	MIN
116	58.89	101.07	54.70	141.67	72.93	MAX
	10.56	76.13	26.90	-27.77	-220.66	MIN
117	77.95	116.26	42.98	89.85	55.41	MAX
	31.42	59.55	20.29	-31.08	-158.52	MIN
118	84.87	117.12	23.73	9.54	54.66	MAX
	28.61	58.00	5.11	-76.80	-161.29	MIN
119	56.16	104.63	9.43	4.99	70.92	MAX
	32.76	79.65	-7.65	-136.79	-228.32	MIN
120	138.96	402.04	27.95	6.19	115.34	MAX
	55.50	241.88	10.64	-0.93	-944.20	MIN
121	48.81	103.82	46.27	148.87	67.64	MAX
	31.17	78.24	28.73	-7.83	-231.22	MIN
122	89.98	115.76	30.60	87.97	48.48	MAX
	14.56	53.47	14.92	-15.25	-167.35	MIN
123	88.61	114.72	10.26	20.71	47.12	MAX
	12.18	52.44	-2.37	-79.46	-167.86	MIN
124	-10.93	-15.44	-8.55	-4.33	45.63	MAX
	-29.17	-49.57	-29.31	-66.65	13.50	MIN
125	-15.42	-42.13	-2.99	71.02	-64.31	MAX
	-45.32	-136.35	-21.32	37.39	-133.30	MIN
126	3.02	10.06	28.90	0.00	-97.61	MAX
	-4.38	-14.61	12.18	0.00	-214.51	MIN
127	3.02	10.06	28.90	0.00	-97.61	MAX
	-4.38	-14.61	12.18	0.00	-214.51	MIN
128	19.60	65.34	-4.50	0.00	-84.17	MAX
	-319.08	-1063.61	-9.53	0.00	-475.61	MIN
129	26.98	104.54	-12.89	13.60	-40.44	MAX
	-256.37	-836.84	-33.77	-29.89	-421.19	MIN
130	8.52	61.53	-20.77	45.93	4.66	MAX
	-246.78	-775.81	-62.29	-60.16	-280.15	MIN
131	73.52	71.81	-31.08	353.92	-11.79	MAX
	-136.03	-640.28	-160.96	310.93	-227.25	MIN
132	19.74	95.92	20.47	170.39	-65.20	MAX
	-145.66	-425.49	-3.98	79.38	-401.44	MIN
133	54.13	158.94	11.99	25.25	-35.44	MAX
	-36.54	-127.24	1.93	9.19	-489.58	MIN
134	41.60	100.82	-4.57	12.20	63.59	MAX
	24.86	74.51	-15.72	-140.31	-232.84	MIN
135	14.50	228.38	-25.31	264.25	98.46	MAX
	1.50	33.38	-194.02	-216.16	1.36	MIN
136	7.22	143.59	19.18	60.73	162.13	MAX
	-7.08	31.45	13.73	-75.86	61.24	MIN
137	156.78	246.93	28.88	-9.80	-265.02	MAX
	-257.20	-184.13	-10.07	-26.30	-1068.99	MIN
138	60.40	180.70	193.26	180.65	109.48	MAX
	37.75	54.13	81.01	-294.83	60.87	MIN
139	86.78	84.07	35.09	28.84	68.01	MAX

RELAZIONE DI CALCOLO

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]	
	39.17	50.97	13.48	-59.13	2.95	MIN
140	92.73	83.41	27.79	27.08	68.30	MAX
	39.12	51.96	11.42	-28.74	0.54	MIN
141	78.56	174.29	-17.93	256.38	109.55	MAX
	39.81	55.62	-162.68	-178.79	50.90	MIN
142	172.45	240.65	26.21	3.34	-249.19	MAX
	-212.66	-172.77	9.80	-6.32	-1043.27	MIN
143	78.57	173.51	182.15	184.90	107.98	MAX
	33.50	55.75	69.68	-269.78	48.74	MIN
144	95.91	81.67	23.71	33.12	65.41	MAX
	27.62	51.99	7.72	-42.73	-4.23	MIN
145	94.79	81.20	14.72	40.12	64.58	MAX
	25.08	51.53	4.03	-27.15	-4.70	MIN
146	75.58	172.14	-31.29	266.12	105.54	MAX
	25.91	54.82	-170.02	-179.15	47.29	MIN
147	-15.65	95.20	-3.90	-4.95	7.80	MAX
	-22.01	28.81	-13.18	-19.03	-64.57	MIN
148	4.18	372.31	0.64	13.03	337.13	MAX
	-19.23	91.09	-5.68	6.82	213.31	MIN
149	0.03	-97.00	20.52	636.73	-784.77	MAX
	-92.42	-573.24	19.24	250.74	-1957.47	MIN
150	0.03	-97.00	20.52	636.73	-784.77	MAX
	-92.42	-573.24	19.24	250.74	-1957.47	MIN
151	24.17	80.55	2.55	0.00	-74.85	MAX
	-309.39	-1031.30	0.22	0.00	-512.40	MIN
152	23.82	134.88	4.23	7.02	-46.52	MAX
	-233.72	-730.99	0.44	1.15	-554.56	MIN
153	14.79	233.42	6.23	7.25	128.49	MAX
	-130.51	-195.00	0.87	1.69	-644.77	MIN
154	-238.98	-163.61	8.54	6.46	-225.08	MAX
	-476.20	-865.45	1.46	2.04	-1240.25	MIN
155	-4.70	77.16	10.81	5.43	-426.33	MAX
	-232.93	-685.81	2.19	2.34	-1232.31	MIN
156	38.60	164.93	12.33	4.49	-70.26	MAX
	-41.96	-124.88	2.81	2.45	-627.99	MIN
157	-213.48	-210.68	-25.89	652.51	-258.10	MAX
	-542.03	-558.16	-106.91	278.53	-866.81	MIN
158	126.81	397.11	12.96	3.62	108.68	MAX
	48.88	236.06	3.14	2.40	-947.22	MIN
159	159.97	238.47	12.24	1.84	-253.12	MAX
	-216.47	-174.14	3.00	0.54	-1045.87	MIN
160	42.19	171.49	9.77	96.19	40.39	MAX
	-55.58	-0.14	-66.23	90.50	3.25	MIN
161	-15.06	56.35	7.73	104.03	199.25	MAX
	-55.83	2.18	-32.09	71.83	104.93	MIN
162	-108.99	-116.98	24.93	-12.72	-472.10	MAX
	-127.98	-479.98	14.48	-51.03	-564.14	MIN
163	69.32	174.24	87.63	-125.42	83.33	MAX
	-10.69	13.63	33.35	-189.91	44.01	MIN
164	81.51	38.44	31.06	-62.61	72.78	MAX
	30.63	19.49	26.77	-110.66	44.94	MIN
165	87.98	38.06	16.80	45.11	70.36	MAX
	31.91	19.77	-12.52	41.11	44.67	MIN
166	68.02	167.70	9.78	126.60	78.92	MAX
	11.97	14.31	-68.65	103.27	45.31	MIN
167	-93.43	-111.17	18.09	-2.24	-454.44	MAX
	-105.16	-458.78	6.65	-21.35	-557.00	MIN
168	61.96	167.44	81.94	-108.63	77.71	MAX
	15.60	14.45	26.15	-165.34	44.48	MIN
169	90.45	37.54	25.65	-49.51	67.61	MAX
	20.98	20.08	18.60	-86.43	43.13	MIN
170	89.41	37.36	7.92	65.14	67.31	MAX
	18.38	19.98	-17.67	49.05	42.67	MIN
171	54.21	166.93	0.37	143.25	76.78	MAX
	12.86	14.18	-73.70	107.68	43.13	MIN
172	-96.80	-111.54	8.43	0.20	-456.32	MAX
	-117.81	-459.57	2.04	-6.40	-558.62	MIN
173	-11.01	-5.59	42.13	51.90	12.77	MAX
	-25.38	-18.68	12.49	0.38	6.77	MIN
174	-19.83	-43.28	39.73	-49.75	-67.58	MAX
	-56.26	-132.59	9.36	-94.07	-159.06	MIN
175	19.30	-82.06	-55.57	-152.48	-597.03	MAX
	-36.57	-480.62	-112.86	-393.50	-1505.31	MIN
176	19.30	-82.06	-55.57	-152.48	-597.03	MAX
	-36.57	-480.62	-112.86	-393.50	-1505.31	MIN
177	16.05	53.49	9.98	0.00	-86.44	MAX
	-319.35	-1064.49	9.67	0.00	-474.27	MIN
178	23.42	93.86	34.71	32.31	-42.82	MAX

RELAZIONE DI CALCOLO

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]	
	-256.92	-838.37	21.49	0.59	-419.95	MIN
179	5.04	52.33	64.12	63.71	2.07	MAX
	-247.62	-777.79	33.40	-31.33	-279.17	MIN
180	70.12	64.24	164.01	-298.03	-14.47	MAX
	-137.18	-642.47	48.35	-349.65	-226.64	MIN
181	16.42	90.46	8.55	-69.07	-67.76	MAX
	-147.30	-427.68	1.32	-165.54	-401.23	MIN
182	50.92	155.41	12.81	-4.16	-37.63	MAX
	-38.66	-129.08	3.90	-17.13	-489.72	MIN
183	39.04	98.89	31.05	145.19	61.88	MAX
	21.12	72.34	22.21	-6.30	-233.22	MIN
184	72.51	171.48	176.18	182.87	104.36	MAX
	22.96	54.05	55.88	-265.30	46.84	MIN
185	51.12	166.67	77.90	-107.34	76.43	MAX
	9.78	13.91	16.57	-154.26	42.43	MIN
186	48.17	47.86	3.58	181.06	-9.27	MAX
	-41.63	6.49	-50.76	33.29	-52.95	MIN
187	76.80	53.96	6.48	220.27	200.38	MAX
	-6.18	-4.76	-6.27	70.96	79.55	MIN
188	-27.69	-17.32	16.10	-87.92	-175.57	MAX
	-82.77	-127.39	10.86	-131.32	-335.19	MIN
189	34.15	44.04	71.02	-269.56	30.87	MAX
	-14.31	6.97	25.46	-344.64	-20.15	MIN
190	73.35	21.41	18.25	-200.65	77.20	MAX
	36.53	2.55	15.72	-210.24	39.88	MIN
191	79.77	19.84	11.14	119.79	74.57	MAX
	36.42	2.48	-3.83	-20.38	39.18	MIN
192	36.62	44.73	3.22	253.43	31.85	MAX
	7.22	6.91	-57.17	54.37	-15.79	MIN
193	-36.48	-16.13	11.69	-23.67	-174.87	MAX
	-50.19	-127.91	4.12	-83.52	-339.91	MIN
194	30.68	44.68	65.39	-221.65	31.15	MAX
	10.96	7.01	20.08	-301.92	-16.15	MIN
195	82.21	20.22	12.36	-147.75	73.12	MAX
	26.11	2.75	11.89	-172.99	38.65	MIN
196	80.26	20.17	5.01	147.31	72.92	MAX
	23.52	2.74	-7.42	33.59	38.39	MIN
197	22.96	44.54	-3.10	274.85	30.55	MAX
	8.33	7.01	-60.36	106.14	-16.91	MIN
198	-49.04	-16.12	5.34	-6.23	-175.86	MAX
	-56.00	-128.09	1.24	-34.57	-340.93	MIN
199	19.88	44.46	62.91	-175.94	30.30	MAX
	5.29	6.95	13.84	-287.76	-17.35	MIN
200	31.83	-7.89	6.77	48.47	18.51	MAX
	16.31	-25.49	1.33	4.85	0.85	MIN
201	62.19	2.01	9.66	-23.72	22.67	MAX
	27.87	-7.43	1.72	-43.35	2.74	MIN
202	-0.54	-1.80	-4.07	0.00	26.83	MAX
	-6.90	-22.98	-7.94	0.00	4.63	MIN
203	-0.54	-1.80	-4.07	0.00	26.83	MAX
	-6.90	-22.98	-7.94	0.00	4.63	MIN
204	5.95	19.82	6.86	0.00	-110.63	MAX
	-329.58	-1098.61	6.47	0.00	-438.12	MIN
205	36.35	69.03	10.43	19.65	-80.92	MAX
	-254.36	-890.69	9.90	1.00	-385.07	MIN
206	70.64	88.84	19.32	21.26	-38.05	MAX
	-165.56	-721.59	13.23	-21.87	-307.99	MIN
207	82.96	95.66	3.20	-41.85	-28.39	MAX
	-122.42	-588.49	-7.36	-52.01	-294.81	MIN
208	76.88	114.33	3.42	-49.93	-28.17	MAX
	-80.22	-386.25	3.20	-102.94	-325.73	MIN
209	66.94	129.01	7.13	-1.87	-1.33	MAX
	-34.17	-139.04	-4.60	-8.22	-305.55	MIN
210	82.65	110.96	16.10	84.59	43.68	MAX
	6.92	49.87	9.45	-15.54	-168.68	MIN
211	88.98	79.89	10.17	30.94	62.24	MAX
	19.10	49.75	2.66	-40.13	-5.64	MIN
212	83.60	36.84	22.22	-48.92	66.61	MAX
	12.13	19.40	9.23	-77.09	41.29	MIN
213	74.49	20.01	10.19	-105.31	72.42	MAX
	17.27	2.64	5.90	-161.53	37.54	MIN
214	44.57	0.13	-0.40	4.33	17.18	MAX
	21.20	-1.30	-3.50	-13.51	1.38	MIN
215	50.63	3.99	0.69	40.32	22.74	MAX
	24.24	-0.85	-1.18	19.73	3.89	MIN
216	-0.86	-2.87	6.83	0.00	28.31	MAX
	-7.41	-24.69	3.41	0.00	6.39	MIN
217	-0.86	-2.87	6.83	0.00	28.31	MAX

RELAZIONE DI CALCOLO

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]	
	-7.41	-24.69	3.41	0.00	6.39	MIN
	5.16	17.20	-4.18	0.00	-110.98	MAX
218	-329.63	-1098.75	-6.72	0.00	-437.84	MIN
	35.54	66.60	-6.08	5.48	-81.31	MAX
219	-254.46	-890.96	-10.12	-18.79	-384.81	MIN
	69.82	86.68	-7.52	28.75	-38.50	MAX
	-165.71	-721.96	-18.68	-19.95	-307.78	MIN
221	82.13	93.82	8.48	53.64	-28.89	MAX
	-122.64	-588.92	4.73	48.18	-294.66	MIN
222	76.02	112.94	6.76	104.88	-28.69	MAX
	-80.55	-386.70	-1.48	55.31	-325.66	MIN
223	66.05	128.06	6.86	12.66	-1.80	MAX
	-34.60	-139.44	4.60	3.97	-305.55	MIN
224	81.73	110.40	-3.68	19.12	43.28	MAX
	6.38	49.58	-6.88	-82.48	-168.74	MIN
225	88.01	79.73	1.59	41.31	61.94	MAX
	18.46	49.48	-0.19	-29.27	-5.73	MIN
226	82.62	36.78	-1.14	72.59	66.53	MAX
	11.45	19.30	-20.54	49.23	41.11	MIN
227	73.52	19.99	-0.80	156.55	72.36	MAX
	16.59	2.62	-9.17	72.95	37.42	MIN
228	-10.61	-15.45	-8.58	-3.40	46.28	MAX
	-28.64	-49.68	-29.27	-63.68	13.67	MIN
229	-15.25	-42.16	-3.00	71.73	-63.95	MAX
	-45.10	-136.61	-21.20	37.73	-132.11	MIN
230	2.93	9.78	28.98	0.00	-97.09	MAX
	-4.71	-15.70	12.15	0.00	-212.80	MIN
231	2.93	9.78	28.98	0.00	-97.09	MAX
	-4.71	-15.70	12.15	0.00	-212.80	MIN
232	13.66	45.52	-7.32	0.00	-87.57	MAX
	-319.48	-1064.94	-9.82	0.00	-473.41	MIN
233	20.96	86.50	-17.54	6.07	-44.05	MAX
	-257.23	-839.23	-34.35	-31.36	-419.16	MIN
234	2.56	45.81	-27.52	38.34	0.65	MAX
	-248.11	-778.95	-63.41	-62.28	-278.52	MIN
235	67.61	58.70	-40.21	351.41	-16.04	MAX
	-137.87	-643.79	-162.79	304.41	-226.18	MIN
236	13.83	86.29	9.07	167.61	-69.35	MAX
	-148.31	-429.06	-6.67	74.40	-401.02	MIN
237	48.26	152.58	-0.87	21.46	-39.08	MAX
	-40.00	-130.30	-1.46	6.37	-489.73	MIN
238	37.37	97.24	-17.99	9.72	60.68	MAX
	18.08	70.58	-19.45	-142.99	-233.41	MIN
239	69.68	171.01	-43.95	266.28	103.47	MAX
	21.01	53.34	-173.54	-181.13	46.55	MIN
240	49.05	166.48	-8.36	149.47	76.20	MAX
	6.90	13.66	-76.10	107.62	41.88	MIN
241	17.80	44.39	-8.65	282.36	30.12	MAX
	2.44	6.89	-61.82	142.83	-17.70	MIN
242	-15.62	95.21	-3.87	-4.58	7.91	MAX
	-22.06	28.82	-13.05	-17.96	-64.23	MIN
243	4.07	372.11	0.66	13.33	337.63	MAX
	-19.21	91.04	-5.56	6.98	213.47	MIN
244	-0.04	-97.24	20.57	636.82	-784.31	MAX
	-92.70	-574.10	19.27	250.78	-1956.13	MIN
245	-0.04	-97.24	20.57	636.82	-784.31	MAX
	-92.70	-574.10	19.27	250.78	-1956.13	MIN
246	20.08	66.93	0.00	0.00	-76.94	MAX
	-309.64	-1032.12	0.00	0.00	-510.92	MIN
247	19.64	122.36	0.00	0.00	-48.77	MAX
	-234.28	-732.53	0.00	0.00	-553.19	MIN
248	10.61	222.40	0.00	0.00	125.93	MAX
	-131.38	-197.05	0.00	0.00	-643.65	MIN
249	-213.49	-210.80	-25.87	652.34	-257.85	MAX
	-542.07	-558.55	-106.78	278.50	-866.11	MIN
250	-243.18	-172.89	0.00	0.00	-227.86	MAX
	-477.42	-867.77	0.00	0.00	-1239.49	MIN
251	-8.99	70.24	0.00	0.00	-429.10	MAX
	-234.69	-688.21	0.00	0.00	-1231.98	MIN
252	34.26	160.28	0.00	0.00	-72.75	MAX
	-44.29	-126.96	0.00	0.00	-628.04	MIN
253	123.94	395.62	0.00	0.00	106.64	MAX
	43.89	233.17	0.00	0.00	-947.58	MIN
254	156.61	237.68	0.00	0.00	-254.61	MAX
	-220.99	-175.27	0.00	0.00	-1046.36	MIN
255	-101.39	-111.95	0.00	0.00	-457.19	MAX
	-121.36	-459.89	0.00	0.00	-559.02	MIN
256	-52.59	-16.22	0.00	0.00	-176.40	MAX

RELAZIONE DI CALCOLO

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]	
	-61.37	-128.19	0.00	0.00	-341.23	MIN
257	-11.04	-5.60	42.18	52.26	12.88	MAX
	-25.53	-18.71	12.50	0.53	6.81	MIN
258	-19.85	-43.31	39.82	-49.71	-67.51	MAX
	-56.39	-132.70	9.39	-94.07	-158.88	MIN
259	19.26	-82.17	-55.54	-152.47	-596.89	MAX
	-36.70	-480.96	-112.72	-393.49	-1505.02	MIN
260	19.26	-82.17	-55.54	-152.47	-596.89	MAX
	-36.70	-480.96	-112.72	-393.49	-1505.02	MIN
261	13.66	45.52	9.82	0.00	-87.57	MAX
	-319.48	-1064.94	7.32	0.00	-473.41	MIN
262	20.96	86.50	34.35	31.36	-44.05	MAX
	-257.23	-839.23	17.54	-6.07	-419.16	MIN
263	2.56	45.81	63.41	62.28	0.65	MAX
	-248.11	-778.95	27.52	-38.34	-278.52	MIN
264	67.61	58.70	162.79	-304.41	-16.04	MAX
	-137.87	-643.79	40.21	-351.41	-226.18	MIN
265	13.83	86.29	6.67	-74.40	-69.35	MAX
	-148.31	-429.06	-9.07	-167.61	-401.02	MIN
266	48.26	152.58	1.46	-6.37	-39.08	MAX
	-40.00	-130.30	0.87	-21.46	-489.73	MIN
267	37.37	97.24	19.45	142.99	60.68	MAX
	18.08	70.58	17.99	-9.72	-233.41	MIN
268	69.68	171.01	173.54	181.13	103.47	MAX
	21.01	53.34	43.95	-266.28	46.55	MIN
269	49.05	166.48	76.10	-107.62	76.20	MAX
	6.90	13.66	8.36	-149.47	41.88	MIN
270	17.80	44.39	61.82	-142.83	30.12	MAX
	2.44	6.89	8.65	-282.36	-17.70	MIN
271	31.73	-7.89	6.80	48.56	18.55	MAX
	16.28	-25.50	1.34	4.90	0.87	MIN
272	62.10	2.00	9.71	-23.73	22.71	MAX
	27.85	-7.47	1.74	-43.41	2.77	MIN
273	-0.55	-1.83	-4.05	0.00	26.88	MAX
	-6.92	-23.05	-7.89	0.00	4.66	MIN
274	-0.55	-1.83	-4.05	0.00	26.88	MAX
	-6.92	-23.05	-7.89	0.00	4.66	MIN
275	5.16	17.20	6.72	0.00	-110.98	MAX
	-329.63	-1098.75	4.18	0.00	-437.84	MIN
276	35.54	66.60	10.12	18.79	-81.31	MAX
	-254.46	-890.96	6.08	-5.48	-384.81	MIN
277	69.82	86.68	18.68	19.95	-38.50	MAX
	-165.71	-721.96	7.52	-28.75	-307.78	MIN
278	82.13	93.82	-4.73	-48.18	-28.89	MAX
	-122.64	-588.92	-8.48	-53.64	-294.66	MIN
279	76.02	112.94	1.48	-55.31	-28.69	MAX
	-80.55	-386.70	-6.76	-104.88	-325.66	MIN
280	66.05	128.06	-4.60	-3.97	-1.80	MAX
	-34.60	-139.44	-6.86	-12.66	-305.55	MIN
281	81.73	110.40	6.88	82.48	43.28	MAX
	6.38	49.58	3.68	-19.12	-168.74	MIN
282	88.01	79.73	0.19	29.27	61.94	MAX
	18.46	49.48	-1.59	-41.31	-5.73	MIN
283	82.62	36.78	20.54	-49.23	66.53	MAX
	11.45	19.30	1.14	-72.59	41.11	MIN
284	73.52	19.99	9.17	-72.95	72.36	MAX
	16.59	2.62	0.80	-156.55	37.42	MIN
285	44.52	0.12	-0.40	4.34	17.18	MAX
	21.19	-1.31	-3.49	-13.51	1.38	MIN
286	50.59	3.98	0.70	40.27	22.74	MAX
	24.23	-0.86	-1.16	19.71	3.89	MIN
287	-0.86	-2.88	6.85	0.00	28.31	MAX
	-7.41	-24.70	3.42	0.00	6.40	MIN
288	-0.86	-2.88	6.85	0.00	28.31	MAX
	-7.41	-24.70	3.42	0.00	6.40	MIN
289	5.95	19.82	-6.47	0.00	-110.63	MAX
	-329.58	-1098.61	-6.86	0.00	-438.12	MIN
290	36.35	69.03	-9.90	-1.00	-80.92	MAX
	-254.36	-890.69	-10.43	-19.65	-385.07	MIN
291	70.64	88.84	-13.23	21.87	-38.05	MAX
	-165.56	-721.59	-19.32	-21.26	-307.99	MIN
292	82.96	95.66	7.36	52.01	-28.39	MAX
	-122.42	-588.49	-3.20	41.85	-294.81	MIN
293	76.88	114.33	-3.20	102.94	-28.17	MAX
	-80.22	-386.25	-3.42	49.93	-325.73	MIN
294	66.94	129.01	4.60	8.22	-1.33	MAX
	-34.17	-139.04	-7.13	1.87	-305.55	MIN
295	82.65	110.96	-9.45	15.54	43.68	MAX

RELAZIONE DI CALCOLO

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]	
	6.92	49.87	-16.10	-84.59	-168.68	MIN
296	88.98	79.89	-2.66	40.13	62.24	MAX
	19.10	49.75	-10.17	-30.94	-5.64	MIN
297	83.60	36.84	-9.23	77.09	66.61	MAX
	12.13	19.40	-22.22	48.92	41.29	MIN
298	74.49	20.01	-5.90	161.53	72.42	MAX
	17.27	2.64	-10.19	105.31	37.54	MIN
299	-10.62	-15.46	-8.57	-3.40	46.27	MAX
	-28.66	-49.69	-29.26	-63.68	13.67	MIN
300	-15.25	-42.16	-3.00	71.71	-63.95	MAX
	-45.11	-136.61	-21.19	37.72	-132.13	MIN
301	2.94	9.78	28.99	0.00	-97.09	MAX
	-4.71	-15.69	12.15	0.00	-212.81	MIN
302	2.94	9.78	28.99	0.00	-97.09	MAX
	-4.71	-15.69	12.15	0.00	-212.81	MIN
303	16.05	53.49	-9.67	0.00	-86.44	MAX
	-319.35	-1064.49	-9.98	0.00	-474.27	MIN
304	23.42	93.86	-21.49	-0.59	-42.82	MAX
	-256.92	-838.37	-34.71	-32.31	-419.95	MIN
305	5.04	52.33	-33.40	31.33	2.07	MAX
	-247.62	-777.79	-64.12	-63.71	-279.17	MIN
306	70.12	64.24	-48.35	349.65	-14.47	MAX
	-137.18	-642.47	-164.01	298.03	-226.64	MIN
307	16.42	90.46	-1.32	165.54	-67.76	MAX
	-147.30	-427.68	-8.55	69.07	-401.23	MIN
308	50.92	155.41	-3.90	17.13	-37.63	MAX
	-38.66	-129.08	-12.81	4.16	-489.72	MIN
309	39.04	98.89	-22.21	6.30	61.88	MAX
	21.12	72.34	-31.05	-145.19	-233.22	MIN
310	72.51	171.48	-55.88	265.30	104.36	MAX
	22.96	54.05	-176.18	-182.87	46.84	MIN
311	51.12	166.67	-16.57	154.26	76.43	MAX
	9.78	13.91	-77.90	107.34	42.43	MIN
312	19.88	44.46	-13.84	287.76	30.30	MAX
	5.29	6.95	-62.91	175.94	-17.35	MIN
313	-15.62	95.21	-3.87	-4.58	7.91	MAX
	-22.06	28.82	-13.05	-17.95	-64.24	MIN
314	4.06	372.12	0.66	13.33	337.61	MAX
	-19.22	91.04	-5.56	6.98	213.47	MIN
315	-0.04	-97.24	20.57	636.82	-784.32	MAX
	-92.70	-574.09	19.27	250.78	-1956.16	MIN
316	-0.04	-97.24	20.57	636.82	-784.32	MAX
	-92.70	-574.09	19.27	250.78	-1956.16	MIN
317	24.17	80.55	-0.22	0.00	-74.85	MAX
	-309.39	-1031.30	-2.55	0.00	-512.40	MIN
318	23.82	134.88	-0.44	-1.15	-46.52	MAX
	-233.72	-730.99	-4.23	-7.02	-554.56	MIN
319	14.79	233.42	-0.87	-1.69	128.49	MAX
	-130.51	-195.00	-6.23	-7.25	-644.77	MIN
320	-213.49	-210.80	-25.87	652.34	-257.86	MAX
	-542.07	-558.54	-106.78	278.50	-866.13	MIN
321	-238.98	-163.61	-1.46	-2.04	-225.08	MAX
	-476.20	-865.45	-8.54	-6.46	-1240.25	MIN
322	-4.70	77.16	-2.19	-2.34	-426.33	MAX
	-232.93	-685.81	-10.81	-5.43	-1232.31	MIN
323	38.60	164.93	-2.81	-2.45	-70.26	MAX
	-41.96	-124.88	-12.33	-4.49	-627.99	MIN
324	126.81	397.11	-3.14	-2.40	108.68	MAX
	48.88	236.06	-12.96	-3.62	-947.22	MIN
325	159.97	238.47	-3.00	-0.54	-253.12	MAX
	-216.47	-174.14	-12.24	-1.84	-1045.87	MIN
326	-96.80	-111.54	-2.04	6.40	-456.32	MAX
	-117.81	-459.57	-8.43	-0.20	-558.62	MIN
327	-49.04	-16.12	-1.24	34.57	-175.86	MAX
	-56.00	-128.09	-5.34	6.23	-340.93	MIN
328	-11.05	-5.60	42.18	52.29	12.87	MAX
	-25.55	-18.72	12.50	0.53	6.81	MIN
329	-19.86	-43.31	39.82	-49.71	-67.52	MAX
	-56.40	-132.70	9.39	-94.04	-158.90	MIN
330	19.26	-82.17	-55.54	-152.47	-596.90	MAX
	-36.69	-480.94	-112.73	-393.49	-1505.05	MIN
331	19.26	-82.17	-55.54	-152.47	-596.90	MAX
	-36.69	-480.94	-112.73	-393.49	-1505.05	MIN
332	19.60	65.34	9.53	0.00	-84.17	MAX
	-319.08	-1063.61	4.50	0.00	-475.61	MIN
333	26.98	104.54	33.77	29.89	-40.44	MAX
	-256.37	-836.84	12.89	-13.60	-421.19	MIN
334	8.52	61.53	62.29	60.16	4.66	MAX

RELAZIONE DI CALCOLO

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]	
	-246.78	-775.81	20.77	-45.93	-280.15	MIN
335	73.52	71.81	160.96	-310.93	-11.79	MAX
	-136.03	-640.28	31.08	-353.92	-227.25	MIN
336	19.74	95.92	3.98	-79.38	-65.20	MAX
	-145.66	-425.49	-20.47	-170.39	-401.44	MIN
337	54.13	158.94	-1.93	-9.19	-35.44	MAX
	-36.54	-127.24	-11.99	-25.25	-489.58	MIN
338	41.60	100.82	15.72	140.31	63.59	MAX
	24.86	74.51	4.57	-12.20	-232.84	MIN
339	75.58	172.14	170.02	179.15	105.54	MAX
	25.91	54.82	31.29	-266.12	47.29	MIN
340	54.21	166.93	73.70	-107.68	76.78	MAX
	12.86	14.18	-0.37	-143.25	43.13	MIN
341	22.96	44.54	60.36	-106.14	30.55	MAX
	8.33	7.01	3.10	-274.85	-16.91	MIN
342	31.67	-7.89	6.79	48.60	18.54	MAX
	16.27	-25.51	1.34	4.90	0.87	MIN
343	62.05	1.99	9.69	-23.71	22.69	MAX
	27.84	-7.48	1.73	-43.34	2.77	MIN
344	-0.55	-1.84	-4.06	0.00	26.84	MAX
	-6.91	-23.04	-7.91	0.00	4.66	MIN
345	-0.55	-1.84	-4.06	0.00	26.84	MAX
	-6.91	-23.04	-7.91	0.00	4.66	MIN
346	13.19	43.98	6.31	0.00	-105.76	MAX
	-329.02	-1096.72	1.00	0.00	-440.92	MIN
347	43.57	90.66	9.32	16.80	-75.83	MAX
	-253.18	-887.46	0.89	-13.67	-387.63	MIN
348	77.64	107.37	17.20	17.15	-32.58	MAX
	-163.78	-717.44	0.10	-36.70	-309.98	MIN
349	89.76	110.82	-10.85	-54.69	-22.79	MAX
	-119.98	-583.94	-14.61	-56.86	-296.01	MIN
350	83.43	125.16	-1.93	-59.83	-22.90	MAX
	-76.78	-381.76	-18.87	-108.30	-326.08	MIN
351	73.18	135.94	-11.04	-7.28	3.15	MAX
	-29.76	-135.29	-18.07	-16.29	-305.19	MIN
352	88.61	114.72	2.37	79.46	47.12	MAX
	12.18	52.44	-10.26	-20.71	-167.86	MIN
353	94.79	81.20	-4.03	27.15	64.58	MAX
	25.08	51.53	-14.72	-40.12	-4.70	MIN
354	89.41	37.36	17.67	-49.05	67.31	MAX
	18.38	19.98	-7.92	-65.14	42.67	MIN
355	80.26	20.17	7.42	-33.59	72.92	MAX
	23.52	2.74	-5.01	-147.31	38.39	MIN
356	44.38	0.12	-0.41	4.32	17.21	MAX
	21.16	-1.32	-3.52	-13.52	1.40	MIN
357	50.46	3.97	0.68	40.41	22.75	MAX
	24.20	-0.91	-1.22	19.74	3.90	MIN
358	-0.87	-2.90	6.80	0.00	28.30	MAX
	-7.42	-24.73	3.40	0.00	6.41	MIN
359	-0.87	-2.90	6.80	0.00	28.30	MAX
	-7.42	-24.73	3.40	0.00	6.41	MIN
360	16.37	54.56	-7.45	0.00	-102.81	MAX
	-328.68	-1095.60	-10.13	0.00	-442.33	MIN
361	46.58	99.75	-11.55	-9.95	-72.83	MAX
	-252.49	-885.66	-15.79	-22.48	-388.88	MIN
362	80.41	114.77	-21.13	13.62	-29.55	MAX
	-162.75	-715.25	-21.71	-25.13	-310.84	MIN
363	92.27	116.57	4.23	47.71	-19.89	MAX
	-118.61	-581.65	-13.92	35.57	-296.39	MIN
364	85.57	128.92	-7.55	98.60	-20.38	MAX
	-74.96	-379.65	-16.26	46.20	-325.99	MIN
365	74.92	138.11	-0.58	6.49	5.11	MAX
	-27.60	-133.67	-21.16	-2.08	-304.80	MIN
366	89.98	115.76	-14.92	15.25	48.48	MAX
	14.56	53.47	-30.60	-87.97	-167.35	MIN
367	95.91	81.67	-7.72	42.73	65.41	MAX
	27.62	51.99	-23.71	-33.12	-4.23	MIN
368	90.45	37.54	-18.60	86.43	67.61	MAX
	20.98	20.08	-25.65	49.51	43.13	MIN
369	82.21	20.22	-11.89	172.99	73.12	MAX
	26.11	2.75	-12.36	147.75	38.65	MIN
370	-10.67	-15.47	-8.59	-3.51	46.35	MAX
	-28.95	-49.74	-29.33	-63.94	13.70	MIN
371	-15.29	-42.20	-3.04	71.92	-63.89	MAX
	-45.31	-136.77	-21.34	37.75	-131.99	MIN
372	2.91	9.71	28.86	0.00	-97.02	MAX
	-4.77	-15.91	12.12	0.00	-212.66	MIN
373	2.91	9.71	28.86	0.00	-97.02	MAX

RELAZIONE DI CALCOLO

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]	
	-4.77	-15.91	12.12	0.00	-212.66	MIN
374	29.24	97.45	-10.86	0.00	-74.90	MAX
	-318.02	-1060.06	-13.92	0.00	-480.00	MIN
375	36.07	131.95	-28.19	-10.29	-31.05	MAX
	-254.12	-831.21	-36.33	-36.52	-425.03	MIN
376	16.81	83.74	-42.51	23.01	14.07	MAX
	-243.48	-769.01	-66.92	-69.29	-282.72	MIN
377	80.97	88.94	-59.94	343.70	-2.90	MAX
	-131.65	-633.23	-168.21	292.39	-228.28	MIN
378	25.97	107.04	-14.11	159.93	-57.55	MAX
	-139.95	-419.10	-15.88	66.67	-401.03	MIN
379	59.08	165.30	-10.26	17.10	-29.53	MAX
	-29.90	-122.39	-27.57	-0.56	-488.27	MIN
380	48.81	103.82	-28.73	7.83	67.64	MAX
	31.17	78.24	-46.27	-148.87	-231.22	MIN
381	78.57	173.51	-69.68	269.78	107.98	MAX
	33.50	55.75	-182.15	-184.90	48.74	MIN
382	61.96	167.44	-26.15	165.34	77.71	MAX
	15.60	14.45	-81.94	108.63	44.48	MIN
383	30.68	44.68	-20.08	301.92	31.15	MAX
	10.96	7.01	-65.39	221.65	-16.15	MIN
384	-15.69	95.19	-3.92	-4.92	8.03	MAX
	-22.45	28.83	-13.26	-19.06	-63.82	MIN
385	3.67	371.86	0.61	13.34	338.05	MAX
	-19.26	90.97	-5.79	6.91	213.61	MIN
386	-0.10	-97.38	20.47	636.80	-784.17	MAX
	-92.96	-574.64	19.20	250.77	-1955.78	MIN
387	-0.10	-97.38	20.47	636.80	-784.17	MAX
	-92.96	-574.64	19.20	250.77	-1955.78	MIN
388	40.58	135.28	-1.62	0.00	-57.97	MAX
	-307.42	-1024.73	-7.43	0.00	-520.18	MIN
389	39.10	181.07	-2.93	-7.72	-29.55	MAX
	-229.37	-720.73	-11.84	-17.82	-561.25	MIN
390	28.49	270.41	-4.86	-10.05	145.23	MAX
	-124.15	-182.88	-16.25	-16.91	-648.96	MIN
391	-213.50	-210.92	-25.92	652.56	-257.66	MAX
	-542.14	-558.99	-107.06	278.53	-865.55	MIN
392	-226.93	-135.43	-7.11	-10.49	-209.56	MAX
	-467.91	-853.17	-20.89	-13.33	-1241.55	MIN
393	5.00	95.11	-9.19	-5.43	-413.25	MAX
	-222.48	-674.97	-25.06	-9.66	-1231.12	MIN
394	45.92	174.99	-10.37	-1.62	-60.37	MAX
	-30.32	-116.83	-27.34	-8.00	-625.35	MIN
395	138.96	402.04	-10.64	0.93	115.34	MAX
	55.50	241.88	-27.95	-6.19	-944.20	MIN
396	172.45	240.65	-9.80	6.32	-249.19	MAX
	-212.66	-172.77	-26.21	-3.34	-1043.27	MIN
397	-93.43	-111.17	-6.65	21.35	-454.44	MAX
	-105.16	-458.78	-18.09	2.24	-557.00	MIN
398	-36.48	-16.13	-4.12	83.52	-174.87	MAX
	-50.19	-127.91	-11.69	23.67	-339.91	MIN
399	-10.94	-5.70	41.99	48.59	13.79	MAX
	-25.77	-19.11	12.50	-0.44	7.01	MIN
400	-19.85	-43.44	39.29	-49.97	-67.12	MAX
	-56.89	-133.42	9.31	-94.60	-157.32	MIN
401	19.16	-82.48	-55.57	-152.49	-596.38	MAX
	-37.18	-482.33	-113.04	-393.56	-1503.04	MIN
402	19.16	-82.48	-55.57	-152.49	-596.38	MAX
	-37.18	-482.33	-113.04	-393.56	-1503.04	MIN
403	39.79	132.63	7.10	0.00	-59.61	MAX
	-316.07	-1053.56	-1.08	0.00	-486.05	MIN
404	44.95	159.49	29.73	19.12	-16.13	MAX
	-249.26	-821.89	4.37	-23.75	-429.73	MIN
405	23.80	103.88	56.38	47.21	27.79	MAX
	-236.51	-759.09	9.98	-52.18	-284.56	MIN
406	86.01	102.74	153.34	-312.45	8.68	MAX
	-123.08	-624.21	18.29	-366.10	-227.34	MIN
407	28.34	114.28	-4.54	-76.13	-48.88	MAX
	-130.50	-412.29	-34.30	-179.82	-398.31	MIN
408	59.05	168.36	-10.34	-15.46	-23.80	MAX
	-21.17	-118.05	-26.80	-22.61	-485.04	MIN
409	56.16	104.63	7.65	136.79	70.92	MAX
	32.76	79.65	-9.43	-4.99	-228.32	MIN
410	78.56	174.29	162.68	178.79	109.55	MAX
	39.81	55.62	17.93	-256.38	50.90	MIN
411	68.02	167.70	68.65	-103.27	78.92	MAX
	11.97	14.31	-9.78	-126.60	45.31	MIN
412	36.62	44.73	57.17	-54.37	31.85	MAX

RELAZIONE DI CALCOLO

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]	
	7.22	6.91	-3.22	-253.43	-15.79	MIN
413	35.03	-7.06	5.11	36.03	21.58	MAX
	17.58	-23.04	0.92	1.71	1.61	MIN
414	62.86	1.99	9.65	-23.66	26.16	MAX
	28.31	-8.12	1.87	-43.35	3.51	MIN
415	-0.79	-2.63	-4.03	0.00	30.73	MAX
	-8.10	-27.00	-8.31	0.00	5.41	MIN
416	-0.79	-2.63	-4.03	0.00	30.73	MAX
	-8.10	-27.00	-8.31	0.00	5.41	MIN
417	37.73	125.77	1.82	0.00	-70.08	MAX
	-324.19	-1080.63	-5.33	0.00	-454.11	MIN
418	63.91	154.68	2.26	-1.74	-41.17	MAX
	-240.78	-865.01	-8.75	-25.55	-397.60	MIN
419	93.44	154.31	8.27	-3.17	-0.98	MAX
	-146.36	-694.45	-11.40	-42.92	-313.15	MIN
420	101.07	143.22	-21.13	-51.16	3.64	MAX
	-98.94	-563.60	-29.60	-74.32	-292.94	MIN
421	88.80	142.60	-11.43	-51.25	-3.21	MAX
	-54.35	-366.63	-33.30	-119.88	-319.48	MIN
422	73.39	143.72	-19.28	-4.84	16.17	MAX
	-9.73	-125.50	-32.84	-13.75	-297.90	MIN
423	84.87	117.12	-5.11	76.80	54.66	MAX
	28.61	58.00	-23.73	-9.54	-161.29	MIN
424	92.73	83.41	-11.42	28.74	68.30	MAX
	39.12	51.96	-27.79	-27.08	0.54	MIN
425	87.98	38.06	12.52	-41.11	70.36	MAX
	31.91	19.77	-16.80	-45.11	44.67	MIN
426	79.77	19.84	3.83	20.38	74.57	MAX
	36.42	2.48	-11.14	-119.79	39.18	MIN
427	39.20	-4.21	-0.44	2.66	23.22	MAX
	19.53	-15.13	-3.98	-21.78	2.48	MIN
428	57.31	2.52	-1.18	41.79	27.74	MAX
	26.49	-6.70	-7.85	21.83	4.37	MIN
429	-0.83	-2.76	7.13	0.00	32.27	MAX
	-8.25	-27.50	3.70	0.00	6.25	MIN
430	-0.83	-2.76	7.13	0.00	32.27	MAX
	-8.25	-27.50	3.70	0.00	6.25	MIN
431	45.83	152.78	-16.34	0.00	-51.44	MAX
	-320.29	-1067.64	-18.46	0.00	-457.13	MIN
432	67.72	172.16	-24.41	-13.72	-23.87	MAX
	-230.20	-851.34	-28.05	-54.01	-397.58	MIN
433	94.41	164.70	-32.27	18.84	12.95	MAX
	-131.17	-683.68	-36.40	-58.20	-308.47	MIN
434	99.14	148.41	-8.35	47.82	13.15	MAX
	-83.40	-557.10	-27.92	23.67	-286.41	MIN
435	84.14	143.67	-16.89	87.01	2.09	MAX
	-41.98	-364.52	-30.63	59.08	-313.80	MIN
436	67.02	143.16	-5.81	23.01	18.59	MAX
	-2.44	-124.40	-33.33	-7.44	-294.13	MIN
437	77.95	116.26	-20.29	31.08	55.41	MAX
	31.42	59.55	-42.98	-89.85	-158.52	MIN
438	86.78	84.07	-13.48	59.13	68.01	MAX
	39.17	50.97	-35.09	-28.84	2.95	MIN
439	81.51	38.44	-26.77	110.66	72.78	MAX
	30.63	19.49	-31.06	62.61	44.94	MIN
440	73.35	21.41	-15.72	210.24	77.20	MAX
	36.53	2.55	-18.25	200.65	39.88	MIN
441	-10.55	-8.34	-10.23	4.84	12.93	MAX
	-28.55	-27.82	-36.42	-40.29	4.80	MIN
442	-13.58	-36.70	-8.31	101.62	-59.34	MAX
	-42.87	-116.95	-37.76	52.34	-134.29	MIN
443	16.97	-66.58	97.28	338.58	-519.15	MAX
	-31.28	-411.29	47.65	132.57	-1292.01	MIN
444	16.97	-66.58	97.28	338.58	-519.15	MAX
	-31.28	-411.29	47.65	132.57	-1292.01	MIN
445	63.75	212.51	-18.67	0.00	-2.31	MAX
	-302.49	-1008.30	-28.42	0.00	-487.33	MIN
446	54.50	211.23	-35.51	-1.98	36.37	MAX
	-211.02	-775.04	-60.33	-87.94	-425.58	MIN
447	21.47	132.54	-51.09	40.80	68.90	MAX
	-190.12	-730.39	-88.69	-117.96	-267.28	MIN
448	77.68	117.04	-70.74	323.95	36.49	MAX
	-72.15	-608.86	-189.93	313.76	-202.70	MIN
449	12.42	117.16	-17.27	143.76	-34.28	MAX
	-90.02	-407.06	-26.51	88.10	-380.97	MIN
450	39.48	167.24	-7.23	41.49	-17.81	MAX
	-0.42	-115.02	-36.19	-1.77	-477.27	MIN
451	58.89	101.07	-26.90	27.77	72.93	MAX

RELAZIONE DI CALCOLO

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]	
	10.56	76.13	-54.70	-141.67	-220.66	MIN
452	60.40	180.70	-81.01	294.83	109.48	MAX
	37.75	54.13	-193.26	-180.65	60.87	MIN
453	69.32	174.24	-33.35	189.91	83.33	MAX
	-10.69	13.63	-87.63	125.42	44.01	MIN
454	34.15	44.04	-25.46	344.64	30.87	MAX
	-14.31	6.97	-71.02	269.56	-20.15	MIN
455	-22.18	89.04	0.75	25.37	9.16	MAX
	-43.46	26.42	0.63	13.81	-55.43	MIN
456	-29.97	271.75	-0.94	16.91	229.42	MAX
	-40.10	63.85	-3.00	5.63	158.33	MIN
457	-206.19	-277.66	10.37	-36.40	-574.78	MAX
	-576.67	-890.26	3.33	-83.48	-1579.58	MIN
458	-65.31	-217.69	5.59	0.00	-1458.01	MAX
	-350.39	-1167.95	3.85	0.00	-3673.43	MIN
459	-65.31	-217.69	5.59	0.00	-1458.01	MAX
	-350.39	-1167.95	3.85	0.00	-3673.43	MIN
460	79.15	263.83	-6.64	0.00	40.86	MAX
	-277.86	-926.19	-37.81	0.00	-485.08	MIN
461	42.21	258.69	-12.77	11.83	57.24	MAX
	-149.14	-636.09	-47.50	-88.35	-519.55	MIN
462	14.68	322.89	-20.73	35.68	213.61	MAX
	-29.82	-115.00	-35.30	-54.86	-606.76	MIN
463	-253.54	-117.22	4.77	7.71	-173.51	MAX
	-376.49	-837.37	-22.77	-67.78	-1227.11	MIN
464	-22.34	100.00	-1.73	39.11	-398.03	MAX
	-142.82	-680.62	-30.14	-7.67	-1219.30	MIN
465	6.83	170.38	11.78	27.67	-47.57	MAX
	-1.59	-113.39	-31.57	-2.16	-600.58	MIN
466	124.79	422.18	-0.82	36.04	119.45	MAX
	14.55	242.45	-35.10	2.62	-951.08	MIN
467	156.78	246.93	10.07	26.30	-265.02	MAX
	-257.20	-184.13	-28.88	9.80	-1068.99	MIN
468	-108.99	-116.98	-14.48	51.03	-472.10	MAX
	-127.98	-479.98	-24.93	12.72	-564.14	MIN
469	-27.69	-17.32	-10.86	131.32	-175.57	MAX
	-82.77	-127.39	-16.10	87.92	-335.19	MIN
470	-26.87	-7.74	33.74	84.26	19.02	MAX
	-70.87	-28.62	10.33	20.97	7.38	MIN
471	-27.45	-43.44	42.15	-49.95	-71.64	MAX
	-72.61	-138.29	10.73	-95.70	-158.96	MIN
472	15.95	-63.18	-38.44	-163.28	-556.76	MAX
	-36.83	-414.93	-75.07	-415.80	-1371.08	MIN
473	15.95	-63.18	-38.44	-163.28	-556.76	MAX
	-36.83	-414.93	-75.07	-415.80	-1371.08	MIN
474	78.91	263.02	11.78	0.00	50.84	MAX
	-259.20	-864.00	-59.38	0.00	-367.96	MIN
475	13.66	235.50	10.76	25.78	87.18	MAX
	-90.28	-676.76	-25.64	-79.86	-319.60	MIN
476	-29.64	145.79	34.80	28.40	116.34	MAX
	-102.73	-697.23	8.70	-7.92	-188.44	MIN
477	15.10	93.07	187.86	-300.62	43.39	MAX
	-28.10	-655.60	30.57	-417.45	-200.67	MIN
478	-33.56	105.21	20.00	-24.37	-55.68	MAX
	-62.23	-456.06	-27.23	-152.76	-440.31	MIN
479	0.23	168.12	23.09	10.04	-17.59	MAX
	-0.21	-114.33	-20.61	-1.20	-536.16	MIN
480	37.03	148.62	29.08	140.38	90.50	MAX
	-32.39	81.95	-7.31	32.83	-287.37	MIN
481	14.50	228.38	194.02	216.16	98.46	MAX
	1.50	33.38	25.31	-264.25	1.36	MIN
482	42.19	171.49	66.23	-90.50	40.39	MAX
	-55.58	-0.14	-9.77	-96.19	3.25	MIN
483	48.17	47.86	50.76	-33.29	-9.27	MAX
	-41.63	6.49	-3.58	-181.06	-52.95	MIN
484	-23.52	-18.20	7.15	89.81	71.30	MAX
	-69.69	-54.57	2.23	21.25	12.77	MIN
485	61.44	1.15	21.38	-50.02	58.55	MAX
	21.54	-16.79	5.18	-104.24	6.09	MIN
486	2.18	7.26	-11.97	0.00	45.80	MAX
	-8.30	-27.68	-27.39	0.00	-0.59	MIN
487	2.18	7.26	-11.97	0.00	45.80	MAX
	-8.30	-27.68	-27.39	0.00	-0.59	MIN
488	74.32	247.72	38.34	0.00	27.31	MAX
	-246.12	-820.39	-124.08	0.00	-39.62	MIN
489	-11.90	214.96	16.14	32.30	24.56	MAX
	-33.77	-731.85	-52.34	-77.22	8.25	MIN
490	19.55	163.88	30.39	18.31	116.36	MAX

RELAZIONE DI CALCOLO

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]	
491	10.97	-651.00	7.38	-24.80	-15.76	MIN
	16.09	122.42	-13.77	-67.25	120.81	MAX
	6.80	-602.70	-17.98	-131.68	-165.75	MIN
492	-2.88	118.23	37.61	-67.26	75.31	MAX
	-19.71	-440.29	-16.22	-194.00	-421.24	MIN
	-2.83	144.90	22.19	10.47	89.60	MAX
493	-11.32	-121.98	-16.33	2.24	-522.50	MIN
	17.31	136.27	39.43	165.57	152.96	MAX
	2.19	89.80	-3.22	-2.58	-278.16	MIN
495	7.22	143.59	-13.73	75.86	162.13	MAX
	-7.08	31.45	-19.18	-60.73	61.24	MIN
	-15.06	56.35	32.09	-71.83	199.25	MAX
496	-55.83	2.18	-7.73	-104.03	104.93	MIN
	76.80	53.96	6.27	-70.96	200.38	MAX
	-6.18	-4.76	-6.48	-220.27	79.55	MIN

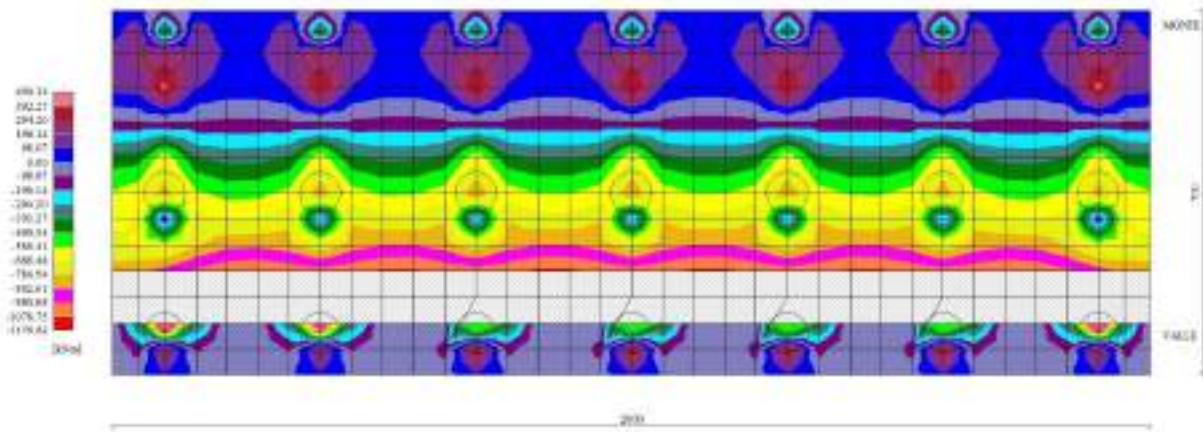
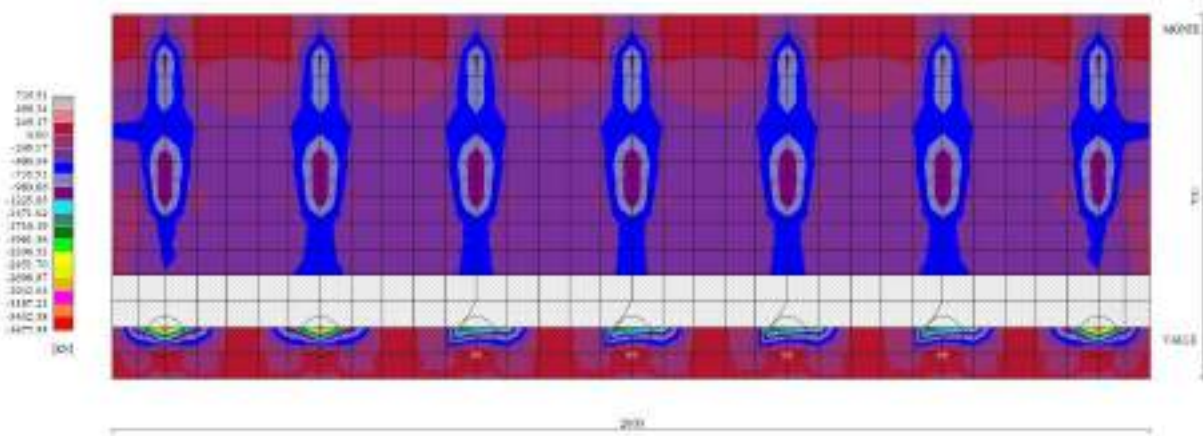


Fig. 7 - Piastra fondazione - Momento My (Combinazione n° 2)



RELAZIONE DI CALCOLO

Fig. 8 - Piastra fondazione - Taglio Ty (Combinazione n° 2)

10.1.4 Sollecitazioni pali

Simbologia adottata

N Sforzo normale, espresso in [kN]. Positivo se di compressione.
T Taglio, espresso in [kN]. Positivo se diretto da monte verso valle
M Momento, espresso in [kNm]. Positivo se tende le fibre contro terra (a monte)

Palo n° 1

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	732.50	8376.01	-200.64	-847.45	-362.05	-1529.22
13	4.80	757.97	8195.05	8.10	35.00	111.14	472.94
18	6.80	768.28	8119.65	27.40	116.58	72.18	306.61
101	40.00	939.45	6883.11	0.00	0.00	0.00	0.00

Palo n° 2

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	920.43	8375.94	-200.64	-847.45	-362.05	-1529.22
13	4.80	940.73	8194.90	8.10	35.00	111.14	472.94
18	6.80	948.84	8119.47	27.40	116.58	72.18	306.61
101	40.00	1083.52	6882.45	0.00	0.00	0.00	0.00

Palo n° 3

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	1108.36	8375.94	-200.64	-847.45	-362.05	-1529.22
13	4.80	1123.49	8194.98	8.10	35.00	111.14	472.94
18	6.80	1129.41	8119.57	27.40	116.58	72.18	306.61
101	40.00	1227.58	6883.01	0.00	0.00	0.00	0.00

Palo n° 1

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	-442.28	-8375.97	-708.60	-944.98	-1146.49	-1528.95
12	4.40	-382.59	-8210.09	17.30	38.14	440.53	718.49
17	6.40	-355.41	-8134.69	107.38	175.05	304.38	485.87
101	40.00	101.33	-6883.06	0.00	0.00	0.00	0.00

Palo n° 2

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	1008.61	8375.80	-708.60	-944.98	-1146.49	-1528.95
12	4.40	1025.07	8209.92	17.30	38.14	440.53	718.49
17	6.40	1032.15	8134.52	107.38	175.05	304.38	485.87
101	40.00	1151.11	6882.88	0.00	0.00	0.00	0.00

Palo n° 3

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	2427.30	8376.08	-708.60	-944.98	-1146.49	-1528.95
12	4.40	2408.07	8210.19	17.30	38.14	440.53	718.49
17	6.40	2398.56	8134.79	107.38	175.05	304.38	485.87
101	40.00	2238.70	6883.11	0.00	0.00	0.00	0.00

Palo n° 1

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	787.78	8375.73	-154.34	-830.82	-284.09	-1529.31
13	4.80	811.73	8194.77	5.29	28.49	83.75	450.85
18	6.80	821.39	8119.37	20.66	111.22	55.25	297.41
101	40.00	981.82	6882.82	0.00	0.00	0.00	0.00

RELAZIONE DI CALCOLO

Palo n° 2

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	899.04	8375.78	-154.34	-830.82	-284.09	-1529.31
13	4.80	919.92	8194.82	5.29	28.49	83.75	450.85
18	6.80	928.28	8119.42	20.66	111.22	55.25	297.41
101	40.00	1067.11	6882.87	0.00	0.00	0.00	0.00

Palo n° 3

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	1010.29	8375.93	-154.34	-830.82	-284.09	-1529.31
13	4.80	1028.12	8194.93	5.29	28.49	83.75	450.85
18	6.80	1035.18	8119.52	20.66	111.22	55.25	297.41
101	40.00	1152.40	6882.77	0.00	0.00	0.00	0.00

Palo n° 1

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	787.78	8375.73	-154.34	-830.82	-284.09	-1529.31
13	4.80	811.73	8194.77	5.29	28.49	83.75	450.85
18	6.80	821.39	8119.37	20.66	111.22	55.25	297.41
101	40.00	981.82	6882.82	0.00	0.00	0.00	0.00

Palo n° 2

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	899.04	8375.78	-154.34	-830.82	-284.09	-1529.31
13	4.80	919.92	8194.82	5.29	28.49	83.75	450.85
18	6.80	928.28	8119.42	20.66	111.22	55.25	297.41
101	40.00	1067.11	6882.87	0.00	0.00	0.00	0.00

Palo n° 3

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	1010.29	8375.93	-154.34	-830.82	-284.09	-1529.31
13	4.80	1028.12	8194.93	5.29	28.49	83.75	450.85
18	6.80	1035.18	8119.52	20.66	111.22	55.25	297.41
101	40.00	1152.40	6882.77	0.00	0.00	0.00	0.00

Palo n° 1

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	787.78	8375.73	-154.34	-830.82	-284.09	-1529.31
13	4.80	811.73	8194.77	5.29	28.49	83.75	450.85
18	6.80	821.39	8119.37	20.66	111.22	55.25	297.41
101	40.00	981.82	6882.82	0.00	0.00	0.00	0.00

Palo n° 2

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	899.04	8375.78	-154.34	-830.82	-284.09	-1529.31
13	4.80	919.92	8194.82	5.29	28.49	83.75	450.85
18	6.80	928.28	8119.42	20.66	111.22	55.25	297.41
101	40.00	1067.11	6882.87	0.00	0.00	0.00	0.00

Palo n° 3

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	1010.29	8375.93	-154.34	-830.82	-284.09	-1529.31
13	4.80	1028.12	8194.93	5.29	28.49	83.75	450.85
18	6.80	1035.18	8119.52	20.66	111.22	55.25	297.41
101	40.00	1152.40	6882.77	0.00	0.00	0.00	0.00

Palo n° 1

RELAZIONE DI CALCOLO

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	429.38	8375.86	-309.55	-902.16	-524.74	-1529.33
12	4.40	460.40	8209.98	3.17	18.03	183.25	596.55
18	6.80	477.03	8119.50	44.77	144.89	113.03	359.74
101	40.00	707.06	6882.96	0.00	0.00	0.00	0.00

Palo n° 2

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	920.83	8375.97	-309.55	-902.16	-524.74	-1529.33
12	4.40	939.50	8210.08	3.17	18.03	183.25	596.55
18	6.80	949.23	8119.60	44.77	144.89	113.03	359.74
101	40.00	1083.82	6883.02	0.00	0.00	0.00	0.00

Palo n° 3

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	1412.29	8376.62	-309.55	-902.16	-524.74	-1529.33
12	4.40	1418.59	8210.65	3.17	18.03	183.25	596.55
18	6.80	1421.42	8120.12	44.77	144.89	113.03	359.74
101	40.00	1460.58	6883.01	0.00	0.00	0.00	0.00

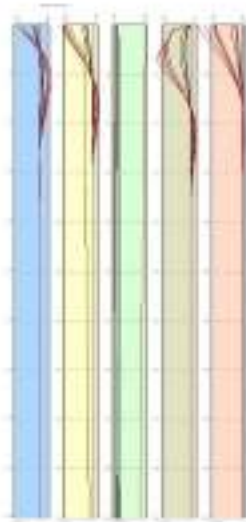


Fig. 9 - Sollecitazioni palo (Palo n° 1) (Involuppo)

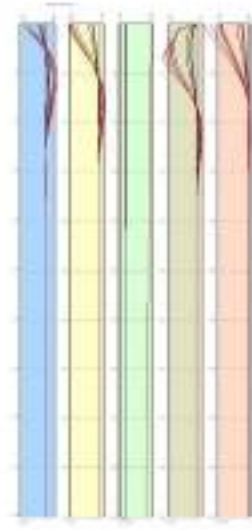


Fig. 10 - Sollecitazioni palo (Palo n° 2) (Inviluppo)

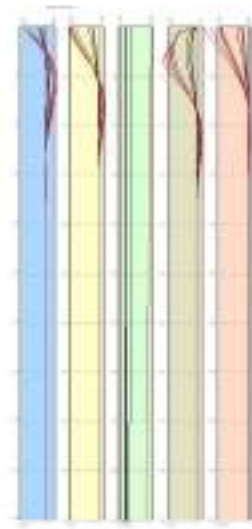


Fig. 11 - Sollecitazioni palo (Palo n° 3) (Inviluppo)

Verifiche strutturali

Verifiche a flessione

Elementi calcolati a trave

Simbologia adottata

n°	indice sezione
B	larghezza sezione espresso in [cm]
H	altezza sezione espressa in [cm]
Afi	area ferri inferiori espressa in [cmq]
Afs	area ferri superiori espressa in [cmq]
M	momento agente espressa in [kNm]
N	sforzo normale agente espressa in [kN]

RELAZIONE DI CALCOLO

Mu momento ultimi espresso in [kNm]
Nu sforzo normale ultimo espressa in [kN]
FS fattore di sicurezza (rapporto tra sollecitazione ultima e sollecitazione agente)

Elementi calcolati a piastra

Simbologia adottata

n° indice sezione
Y ordinata sezione espressa in [m]
B larghezza sezione espresso in [cm]
H altezza sezione espressa in [cm]
Afi, Afs area ferri inferiori e superiori, espresso in [cmq]
Mp, Mn momento positivo e negativo agente espressa in [kNm]
Mu momento ultimi espresso in [kNm]
FS fattore di sicurezza (rapporto tra sollecitazione ultima e sollecitazione agente)

Paramento

n°	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	M [kNm]	N [kN]	Mu [kNm]	Nu [kN]	FS
1	100	30	22.62	22.62	-0.67	4.50	-183.40	4.50	271.698
2	100	31	22.62	22.62	-0.59	5.24	-193.80	5.24	327.009
3	100	32	22.62	22.62	0.66	4.52	204.07	4.52	309.696
4	100	33	22.62	22.62	1.85	5.32	214.36	5.32	115.646
5	100	35	22.62	22.62	3.48	6.14	224.49	6.14	64.452
6	100	36	22.62	22.62	5.55	7.00	234.64	7.00	42.251
7	100	37	22.62	22.62	8.07	7.89	244.79	7.89	30.332
8	100	38	22.62	22.62	11.04	8.80	254.96	8.80	23.094
9	100	39	22.62	22.62	14.47	9.74	265.15	9.74	18.325
10	100	40	22.62	22.62	18.36	10.71	275.34	10.71	14.995
11	100	42	22.62	22.62	22.73	11.71	285.55	11.71	12.564
12	100	43	22.62	22.62	27.57	12.74	295.78	12.74	10.729
13	100	44	22.62	22.62	32.89	13.79	306.02	13.79	9.304
14	100	45	22.62	22.62	38.70	14.88	316.27	14.88	8.171
15	100	46	22.62	22.62	45.01	15.99	326.54	15.99	7.255
16	100	47	22.62	22.62	51.82	17.13	336.83	17.13	6.500
17	100	49	22.62	22.62	59.14	18.30	347.13	18.30	5.870
18	100	50	22.62	22.62	66.96	19.49	357.45	19.49	5.338
19	100	51	22.62	22.62	75.31	20.72	367.79	20.72	4.884
20	100	52	22.62	22.62	84.18	21.97	378.14	21.97	4.492
21	100	53	22.62	22.62	93.58	23.25	388.52	23.25	4.152
22	100	54	22.62	22.62	103.52	24.56	398.92	24.56	3.853
23	100	56	22.62	22.62	114.01	25.90	409.60	25.90	3.593
24	100	57	22.62	22.62	125.04	27.27	420.13	27.27	3.360
25	100	58	22.62	22.62	136.62	28.66	430.63	28.66	3.152
26	100	59	22.62	22.62	148.77	30.09	441.15	30.09	2.965
27	100	60	22.62	22.62	161.48	31.54	451.71	31.54	2.797
28	100	61	22.62	22.62	174.77	33.02	462.29	33.02	2.645
29	100	63	22.62	22.62	188.63	34.53	472.90	34.53	2.507
30	100	64	22.62	22.62	203.08	36.06	483.54	36.06	2.381
31	100	65	22.62	22.62	218.12	37.63	494.21	37.63	2.266
32	100	66	22.62	22.62	233.76	39.22	504.91	39.22	2.160
33	100	67	22.62	22.62	250.00	40.84	515.64	40.84	2.063
34	100	68	22.62	22.62	266.84	42.49	526.40	42.49	1.973
35	100	70	22.62	22.62	284.31	44.17	537.19	44.17	1.889
36	100	71	22.62	22.62	302.39	45.88	548.01	45.88	1.812
37	100	72	22.62	22.62	321.10	47.61	558.87	47.61	1.740
38	100	73	22.62	45.24	340.44	49.37	1095.34	49.37	3.217
39	100	74	22.62	45.24	360.43	51.17	1116.48	51.17	3.098
40	100	75	22.62	45.24	381.05	52.99	1137.63	52.99	2.985
41	100	77	22.62	45.24	402.33	54.83	1158.81	54.83	2.880
42	100	78	22.62	45.24	424.26	56.71	1180.01	56.71	2.781
43	100	79	22.62	45.24	446.86	58.61	1201.24	58.61	2.688
44	100	80	22.62	45.24	470.13	60.55	1222.49	60.55	2.600
45	100	81	22.62	45.24	494.07	62.51	1243.76	62.51	2.517
46	100	82	22.62	45.24	518.69	64.50	1265.06	64.50	2.439
47	100	84	22.62	45.24	544.00	66.52	1286.39	66.52	2.365
48	100	85	22.62	45.24	570.00	68.56	1307.74	68.56	2.294
49	100	86	22.62	45.24	596.70	70.64	1329.13	70.64	2.227
50	100	87	22.62	45.24	624.10	72.74	1350.54	72.74	2.164
51	100	88	22.62	45.24	652.22	74.87	1371.98	74.87	2.104
52	100	89	0.00	45.24	681.05	77.03	1388.00	77.03	2.038
53	100	91	0.00	45.24	710.60	79.22	1409.43	79.22	1.983
54	100	92	0.00	45.24	740.88	81.44	1430.89	81.44	1.931
55	100	93	0.00	45.24	771.90	83.68	1452.37	83.68	1.882
56	100	94	0.00	45.24	803.66	85.95	1473.89	85.95	1.834
57	100	95	0.00	45.24	836.17	88.26	1495.43	88.26	1.788
58	100	96	0.00	45.24	869.42	90.59	1517.00	90.59	1.745
59	100	98	0.00	45.24	903.44	92.94	1538.61	92.94	1.703
60	100	99	0.00	45.24	938.22	95.33	1560.24	95.33	1.663

RELAZIONE DI CALCOLO

n°	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	M [kNm]	N [kN]	Mu [kNm]	Nu [kN]	FS
61	100	100	0.00	45.24	973.77	97.74	1579.81	97.74	1.622

Fondazione

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
1-1-P	27.14	27.14	24.13	-10.86	997.78	33.076 (2)
1-2-P	27.14	27.14	1.13	-26.25	-997.78	38.012 (2)
1-3-P	27.14	27.14	0.00	-63.51	-997.78	15.710 (2)
1-4-P	27.14	27.14	0.75	-126.57	-997.78	7.884 (2)
1-5-P	27.14	27.14	0.01	-205.86	-997.78	4.847 (2)
1-6-P	27.14	27.14	0.77	-128.65	-997.78	7.756 (2)
1-7-P	27.14	27.14	0.48	-60.78	-997.78	16.416 (2)
1-8-P	27.14	27.14	0.74	-19.42	-997.78	51.372 (2)
1-9-P	27.14	27.14	14.90	-3.39	997.78	53.563 (2)
1-10-P	27.14	27.14	35.78	-0.13	997.78	27.885 (2)
1-11-P	27.14	27.14	35.54	0.00	997.78	28.074 (2)
1-12-P	27.14	27.14	35.55	-0.11	997.78	28.069 (2)
1-13-P	27.14	27.14	16.31	-2.86	997.78	48.931 (2)
1-14-P	27.14	27.14	1.34	-15.34	-997.78	65.064 (2)
1-15-P	27.14	27.14	0.62	-52.96	-997.78	18.842 (2)
1-16-P	27.14	27.14	0.77	-115.83	-997.78	8.614 (2)
1-17-P	27.14	27.14	0.00	-187.27	-997.78	5.328 (2)
1-18-P	27.14	27.14	0.82	-115.80	-997.78	8.617 (2)
1-19-P	27.14	27.14	0.66	-52.84	-997.78	18.881 (2)
1-20-P	27.14	27.14	1.35	-15.45	-997.78	64.562 (2)
1-21-P	27.14	27.14	15.77	-2.92	997.78	50.622 (2)
1-22-P	27.14	27.14	34.46	-0.13	997.78	28.951 (2)
1-23-P	27.14	27.14	34.02	-0.02	997.78	29.327 (2)
1-24-P	27.14	27.14	33.83	-0.16	997.78	29.493 (2)
1-25-P	27.14	27.14	13.24	-1.37	997.78	75.375 (2)
1-26-P	27.14	27.14	0.00	-15.31	-997.78	65.161 (2)
1-27-P	27.14	27.14	0.00	-20.06	-997.78	29.845 (2)
1-28-P	27.14	27.14	0.99	-79.27	-997.78	12.586 (2)
1-29-P	27.14	27.14	0.63	-147.13	-997.78	6.136 (2)
1-30-P	27.14	27.14	0.51	-50.34	-997.78	15.858 (2)
1-31-P	27.14	27.14	1.06	-61.32	-997.78	16.272 (2)
1-32-P	27.14	27.14	1.26	-24.77	-997.78	40.282 (2)
1-33-P	27.14	27.14	14.96	-4.12	997.78	53.366 (2)
1-34-P	27.14	27.14	38.26	-0.19	997.78	26.081 (2)
1-35-P	27.14	27.14	36.80	-0.02	997.78	27.110 (2)
1-36-P	27.14	27.14	35.64	-0.13	997.78	27.999 (2)
1-37-P	27.14	27.14	14.29	-1.27	997.78	69.842 (2)
1-38-P	27.14	27.14	0.00	-14.78	-997.78	67.515 (2)
1-39-P	27.14	27.14	0.00	-19.90	-997.78	30.091 (2)
1-40-P	27.14	27.14	0.98	-79.26	-997.78	12.589 (2)
1-41-P	27.14	27.14	0.61	-147.21	-997.78	6.133 (2)
1-42-P	27.14	27.14	0.52	-50.43	-997.78	15.828 (2)
1-43-P	27.14	27.14	1.06	-61.44	-997.78	16.239 (2)
1-44-P	27.14	27.14	1.25	-24.88	-997.78	40.101 (2)
1-45-P	27.14	27.14	14.89	-4.15	997.78	53.598 (2)
1-46-P	27.14	27.14	38.19	-0.19	997.78	26.128 (2)
1-47-P	27.14	27.14	36.75	-0.02	997.78	27.149 (2)
1-48-P	27.14	27.14	35.60	-0.13	997.78	28.027 (2)
1-49-P	27.14	27.14	14.26	-1.27	997.78	69.962 (2)
1-50-P	27.14	27.14	0.00	-14.79	-997.78	67.442 (2)
1-51-P	27.14	27.14	0.00	-19.90	-997.78	30.079 (2)
1-52-P	27.14	27.14	0.98	-79.26	-997.78	12.588 (2)
1-53-P	27.14	27.14	0.61	-147.21	-997.78	6.132 (2)
1-54-P	27.14	27.14	0.52	-50.44	-997.78	15.826 (2)
1-55-P	27.14	27.14	1.06	-61.45	-997.78	16.237 (2)
1-56-P	27.14	27.14	1.25	-24.90	-997.78	40.078 (2)
1-57-P	27.14	27.14	14.87	-4.15	997.78	53.693 (2)
1-58-P	27.14	27.14	38.15	-0.19	997.78	26.157 (2)
1-59-P	27.14	27.14	36.68	-0.02	997.78	27.201 (2)
1-60-P	27.14	27.14	35.50	-0.13	997.78	28.106 (2)
1-61-P	27.14	27.14	14.13	-1.28	997.78	70.592 (2)
1-62-P	27.14	27.14	0.00	-14.96	-997.78	66.692 (2)
1-63-P	27.14	27.14	0.00	-20.06	-997.78	29.846 (2)
1-64-P	27.14	27.14	1.00	-79.56	-997.78	12.541 (2)
1-65-P	27.14	27.14	0.59	-147.48	-997.78	6.121 (2)
1-66-P	27.14	27.14	0.50	-50.71	-997.78	15.742 (2)
1-67-P	27.14	27.14	1.02	-61.81	-997.78	16.143 (2)
1-68-P	27.14	27.14	1.24	-24.97	-997.78	39.961 (2)
1-69-P	27.14	27.14	15.29	-4.09	997.78	52.196 (2)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
1-70-P	27.14	27.14	39.16	-0.17	997.78	25.479 (2)
1-71-P	27.14	27.14	38.19	0.00	997.78	26.125 (2)
1-72-P	27.14	27.14	37.50	-0.11	997.78	26.606 (2)
1-73-P	27.14	27.14	15.90	-3.30	997.78	50.201 (2)
1-74-P	27.14	27.14	0.84	-19.02	-997.78	52.454 (2)
1-75-P	27.14	27.14	0.48	-60.68	-997.78	16.444 (2)
1-76-P	27.14	27.14	0.76	-128.63	-997.78	7.757 (2)
1-77-P	27.14	27.14	0.00	-205.93	-997.78	4.845 (2)
1-78-P	27.14	27.14	0.75	-126.66	-997.78	7.878 (2)
1-79-P	27.14	27.14	0.00	-63.61	-997.78	15.686 (2)
1-80-P	27.14	27.14	1.12	-26.31	-997.78	37.919 (2)
1-81-P	27.14	27.14	24.10	-10.87	997.78	33.119 (2)
3-1-P	22.62	22.62	1.87	-75.30	-832.76	11.060 (2)
3-2-P	22.62	22.62	0.00	-104.47	-832.76	7.971 (2)
3-3-P	22.62	22.62	0.00	-135.51	-832.76	6.145 (2)
3-4-P	22.62	22.62	0.00	-143.50	-832.76	5.803 (2)
3-5-P	22.62	22.62	0.00	-151.48	-832.76	5.498 (2)
3-6-P	22.62	22.62	0.00	-183.62	-832.76	4.535 (2)
3-7-P	22.62	22.62	0.00	-215.76	-832.76	3.860 (2)
3-8-P	22.62	22.62	0.00	-228.45	-832.76	3.645 (2)
3-9-P	22.62	22.62	0.00	-228.18	-832.76	3.650 (2)
3-10-P	22.62	22.62	0.00	-228.80	-832.76	3.640 (2)
3-11-P	22.62	22.62	0.00	-233.00	-832.76	3.574 (2)
3-12-P	22.62	22.62	0.00	-237.19	-832.76	3.511 (2)
3-13-P	22.62	22.62	0.00	-246.27	-832.76	3.382 (2)
3-14-P	22.62	22.62	0.00	-256.56	-832.76	3.246 (2)
3-15-P	22.62	22.62	0.00	-256.05	-832.76	3.252 (2)
3-16-P	22.62	22.62	0.00	-239.32	-832.76	3.480 (2)
3-17-P	22.62	22.62	0.00	-222.59	-832.76	3.741 (2)
3-18-P	22.62	22.62	0.00	-241.26	-832.76	3.452 (2)
3-19-P	22.62	22.62	0.00	-259.93	-832.76	3.204 (2)
3-20-P	22.62	22.62	0.00	-262.83	-832.76	3.168 (2)
3-21-P	22.62	22.62	0.00	-255.20	-832.76	3.263 (2)
3-22-P	22.62	22.62	0.00	-249.16	-832.76	3.342 (2)
3-23-P	22.62	22.62	0.00	-249.45	-832.76	3.338 (2)
3-24-P	22.62	22.62	0.00	-249.73	-832.76	3.335 (2)
3-25-P	22.62	22.62	0.00	-256.40	-832.76	3.248 (2)
3-26-P	22.62	22.62	0.00	-264.66	-832.76	3.147 (2)
3-27-P	22.62	22.62	0.00	-262.49	-832.76	3.173 (2)
3-28-P	22.62	22.62	0.00	-244.67	-832.76	3.404 (2)
3-29-P	22.62	22.62	0.00	-226.84	-832.76	3.671 (2)
3-30-P	22.62	22.62	0.00	-244.90	-832.76	3.400 (2)
3-31-P	22.62	22.62	0.00	-262.95	-832.76	3.167 (2)
3-32-P	22.62	22.62	0.00	-265.37	-832.76	3.138 (2)
3-33-P	22.62	22.62	0.00	-257.37	-832.76	3.236 (2)
3-34-P	22.62	22.62	0.00	-250.98	-832.76	3.318 (2)
3-35-P	22.62	22.62	0.00	-251.02	-832.76	3.318 (2)
3-36-P	22.62	22.62	0.00	-251.06	-832.76	3.317 (2)
3-37-P	22.62	22.62	0.00	-257.54	-832.76	3.234 (2)
3-38-P	22.62	22.62	0.00	-265.63	-832.76	3.135 (2)
3-39-P	22.62	22.62	0.00	-263.30	-832.76	3.163 (2)
3-40-P	22.62	22.62	0.00	-245.35	-832.76	3.394 (2)
3-41-P	22.62	22.62	0.00	-227.40	-832.76	3.662 (2)
3-42-P	22.62	22.62	0.00	-245.35	-832.76	3.394 (2)
3-43-P	22.62	22.62	0.00	-263.30	-832.76	3.163 (2)
3-44-P	22.62	22.62	0.00	-265.63	-832.76	3.135 (2)
3-45-P	22.62	22.62	0.00	-257.54	-832.76	3.234 (2)
3-46-P	22.62	22.62	0.00	-251.06	-832.76	3.317 (2)
3-47-P	22.62	22.62	0.00	-251.02	-832.76	3.318 (2)
3-48-P	22.62	22.62	0.00	-250.98	-832.76	3.318 (2)
3-49-P	22.62	22.62	0.00	-257.37	-832.76	3.236 (2)
3-50-P	22.62	22.62	0.00	-265.37	-832.76	3.138 (2)
3-51-P	22.62	22.62	0.00	-262.95	-832.76	3.167 (2)
3-52-P	22.62	22.62	0.00	-244.90	-832.76	3.400 (2)
3-53-P	22.62	22.62	0.00	-226.84	-832.76	3.671 (2)
3-54-P	22.62	22.62	0.00	-244.67	-832.76	3.404 (2)
3-55-P	22.62	22.62	0.00	-262.49	-832.76	3.173 (2)
3-56-P	22.62	22.62	0.00	-264.66	-832.76	3.147 (2)
3-57-P	22.62	22.62	0.00	-256.40	-832.76	3.248 (2)
3-58-P	22.62	22.62	0.00	-249.73	-832.76	3.335 (2)
3-59-P	22.62	22.62	0.00	-249.45	-832.76	3.338 (2)
3-60-P	22.62	22.62	0.00	-249.16	-832.76	3.342 (2)
3-61-P	22.62	22.62	0.00	-255.20	-832.76	3.263 (2)
3-62-P	22.62	22.62	0.00	-262.83	-832.76	3.168 (2)
3-63-P	22.62	22.62	0.00	-259.93	-832.76	3.204 (2)
3-64-P	22.62	22.62	0.00	-241.26	-832.76	3.452 (2)
3-65-P	22.62	22.62	0.00	-222.59	-832.76	3.741 (2)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
3-66-P	22.62	22.62	0.00	-239.32	-832.76	3.480 (2)
3-67-P	22.62	22.62	0.00	-256.05	-832.76	3.252 (2)
3-68-P	22.62	22.62	0.00	-256.56	-832.76	3.246 (2)
3-69-P	22.62	22.62	0.00	-246.27	-832.76	3.382 (2)
3-70-P	22.62	22.62	0.00	-237.19	-832.76	3.511 (2)
3-71-P	22.62	22.62	0.00	-233.00	-832.76	3.574 (2)
3-72-P	22.62	22.62	0.00	-228.80	-832.76	3.640 (2)
3-73-P	22.62	22.62	0.00	-228.18	-832.76	3.650 (2)
3-74-P	22.62	22.62	0.00	-228.45	-832.76	3.645 (2)
3-75-P	22.62	22.62	0.00	-215.76	-832.76	3.860 (2)
3-76-P	22.62	22.62	0.00	-183.62	-832.76	4.535 (2)
3-77-P	22.62	22.62	0.00	-151.48	-832.76	5.498 (2)
3-78-P	22.62	22.62	0.00	-143.50	-832.76	5.803 (2)
3-79-P	22.62	22.62	0.00	-135.51	-832.76	6.145 (2)
3-80-P	22.62	22.62	0.00	-104.47	-832.76	7.971 (2)
3-81-P	22.62	22.62	1.87	-75.30	-832.76	11.060 (2)
4-1-P	22.62	22.62	11.30	-1.31	832.76	75.338 (1)
4-2-P	22.62	22.62	0.06	-24.03	-832.76	34.651 (2)
4-3-P	22.62	22.62	2.75	-55.77	-832.76	14.933 (2)
4-4-P	22.62	22.62	0.00	-149.93	-832.76	5.554 (2)
4-5-P	22.62	22.62	0.00	-246.85	-832.76	3.374 (2)
4-6-P	22.62	22.62	0.00	-187.69	-832.76	4.437 (2)
4-7-P	22.62	22.62	0.00	-128.54	-832.76	6.479 (2)
4-8-P	22.62	22.62	0.00	-100.57	-832.76	8.280 (2)
4-9-P	22.62	22.62	0.00	-93.40	-832.76	8.916 (2)
4-10-P	22.62	22.62	0.00	-88.90	-832.76	9.367 (2)
4-11-P	22.62	22.62	0.00	-95.09	-832.76	8.757 (2)
4-12-P	22.62	22.62	0.00	-101.29	-832.76	8.222 (2)
4-13-P	22.62	22.62	0.00	-119.26	-832.76	6.983 (2)
4-14-P	22.62	22.62	0.00	-140.19	-832.76	5.940 (2)
4-15-P	22.62	22.62	0.00	-183.42	-832.76	4.540 (2)
4-16-P	22.62	22.62	0.00	-260.12	-832.76	3.201 (2)
4-17-P	22.62	22.62	0.00	-336.83	-832.76	2.472 (2)
4-18-P	22.62	22.62	0.00	-263.60	-832.76	3.159 (2)
4-19-P	22.62	22.62	0.00	-190.37	-832.76	4.375 (2)
4-20-P	22.62	22.62	0.00	-151.19	-832.76	5.508 (2)
4-21-P	22.62	22.62	0.00	-134.72	-832.76	6.181 (2)
4-22-P	22.62	22.62	0.00	-121.66	-832.76	6.845 (2)
4-23-P	22.62	22.62	0.00	-122.23	-832.76	6.813 (2)
4-24-P	22.62	22.62	0.00	-122.80	-832.76	6.781 (2)
4-25-P	22.62	22.62	0.00	-137.09	-832.76	6.075 (2)
4-26-P	22.62	22.62	0.00	-154.80	-832.76	5.380 (2)
4-27-P	22.62	22.62	0.00	-195.36	-832.76	4.263 (2)
4-28-P	22.62	22.62	0.00	-270.20	-832.76	3.082 (2)
4-29-P	22.62	22.62	0.00	-345.03	-832.76	2.414 (2)
4-30-P	22.62	22.62	0.00	-270.68	-832.76	3.076 (2)
4-31-P	22.62	22.62	0.00	-196.34	-832.76	4.242 (2)
4-32-P	22.62	22.62	0.00	-156.29	-832.76	5.328 (2)
4-33-P	22.62	22.62	0.00	-139.12	-832.76	5.986 (2)
4-34-P	22.62	22.62	0.00	-125.40	-832.76	6.641 (2)
4-35-P	22.62	22.62	0.00	-125.49	-832.76	6.636 (2)
4-36-P	22.62	22.62	0.00	-125.59	-832.76	6.631 (2)
4-37-P	22.62	22.62	0.00	-139.50	-832.76	5.970 (2)
4-38-P	22.62	22.62	0.00	-156.87	-832.76	5.309 (2)
4-39-P	22.62	22.62	0.00	-197.12	-832.76	4.225 (2)
4-40-P	22.62	22.62	0.00	-271.69	-832.76	3.065 (2)
4-41-P	22.62	22.62	0.00	-346.26	-832.76	2.405 (2)
4-42-P	22.62	22.62	0.00	-271.69	-832.76	3.065 (2)
4-43-P	22.62	22.62	0.00	-197.12	-832.76	4.225 (2)
4-44-P	22.62	22.62	0.00	-156.87	-832.76	5.309 (2)
4-45-P	22.62	22.62	0.00	-139.50	-832.76	5.970 (2)
4-46-P	22.62	22.62	0.00	-125.59	-832.76	6.631 (2)
4-47-P	22.62	22.62	0.00	-125.49	-832.76	6.636 (2)
4-48-P	22.62	22.62	0.00	-125.40	-832.76	6.641 (2)
4-49-P	22.62	22.62	0.00	-139.12	-832.76	5.986 (2)
4-50-P	22.62	22.62	0.00	-156.29	-832.76	5.328 (2)
4-51-P	22.62	22.62	0.00	-196.34	-832.76	4.242 (2)
4-52-P	22.62	22.62	0.00	-270.68	-832.76	3.076 (2)
4-53-P	22.62	22.62	0.00	-345.03	-832.76	2.414 (2)
4-54-P	22.62	22.62	0.00	-270.20	-832.76	3.082 (2)
4-55-P	22.62	22.62	0.00	-195.36	-832.76	4.263 (2)
4-56-P	22.62	22.62	0.00	-154.80	-832.76	5.380 (2)
4-57-P	22.62	22.62	0.00	-137.09	-832.76	6.075 (2)
4-58-P	22.62	22.62	0.00	-122.80	-832.76	6.781 (2)
4-59-P	22.62	22.62	0.00	-122.23	-832.76	6.813 (2)
4-60-P	22.62	22.62	0.00	-121.66	-832.76	6.845 (2)
4-61-P	22.62	22.62	0.00	-134.72	-832.76	6.181 (2)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
4-62-P	22.62	22.62	0.00	-151.19	-832.76	5.508 (2)
4-63-P	22.62	22.62	0.00	-190.37	-832.76	4.375 (2)
4-64-P	22.62	22.62	0.00	-263.60	-832.76	3.159 (2)
4-65-P	22.62	22.62	0.00	-336.83	-832.76	2.472 (2)
4-66-P	22.62	22.62	0.00	-260.12	-832.76	3.201 (2)
4-67-P	22.62	22.62	0.00	-183.42	-832.76	4.540 (2)
4-68-P	22.62	22.62	0.00	-140.19	-832.76	5.940 (2)
4-69-P	22.62	22.62	0.00	-119.26	-832.76	6.983 (2)
4-70-P	22.62	22.62	0.00	-101.29	-832.76	8.222 (2)
4-71-P	22.62	22.62	0.00	-95.09	-832.76	8.757 (2)
4-72-P	22.62	22.62	0.00	-88.90	-832.76	9.367 (2)
4-73-P	22.62	22.62	0.00	-93.40	-832.76	8.916 (2)
4-74-P	22.62	22.62	0.00	-100.57	-832.76	8.280 (2)
4-75-P	22.62	22.62	0.00	-128.54	-832.76	6.479 (2)
4-76-P	22.62	22.62	0.00	-187.69	-832.76	4.437 (2)
4-77-P	22.62	22.62	0.00	-246.85	-832.76	3.374 (2)
4-78-P	22.62	22.62	0.00	-149.93	-832.76	5.554 (2)
4-79-P	22.62	22.62	2.75	-55.77	-832.76	14.933 (2)
4-80-P	22.62	22.62	0.06	-24.03	-832.76	34.651 (2)
4-81-P	22.62	22.62	11.30	-1.31	832.76	75.338 (1)
5-1-P	27.14	27.14	0.73	-11.30	-997.78	88.315 (2)
5-2-P	27.14	27.14	1.16	-21.64	-997.78	46.118 (2)
5-3-P	27.14	27.14	1.58	-31.97	-997.78	31.208 (2)
5-4-P	27.14	27.14	1.70	-55.47	-997.78	17.987 (2)
5-5-P	27.14	27.14	2.04	-79.18	-997.78	12.602 (2)
5-6-P	27.14	27.14	1.49	-65.22	-997.78	15.299 (2)
5-7-P	27.14	27.14	0.98	-51.27	-997.78	19.460 (2)
5-8-P	27.14	27.14	0.72	-40.19	-997.78	24.824 (2)
5-9-P	27.14	27.14	42.44	-1.70	-997.78	32.466 (1)
5-10-P	27.14	27.14	55.93	-0.55	-997.78	41.747 (1)
5-11-P	27.14	27.14	56.39	-0.68	-997.78	35.618 (1)
5-12-P	27.14	27.14	56.85	-0.82	-997.78	31.051 (1)
5-13-P	27.14	27.14	0.00	-47.22	-997.78	21.132 (2)
5-14-P	27.14	27.14	0.00	-65.04	-997.78	15.342 (2)
5-15-P	27.14	27.14	0.00	-85.02	-997.78	11.736 (2)
5-16-P	27.14	27.14	0.00	-108.29	-997.78	9.214 (2)
5-17-P	27.14	27.14	0.23	-131.76	-997.78	7.573 (2)
5-18-P	27.14	27.14	0.00	-112.06	-997.78	8.904 (2)
5-19-P	27.14	27.14	0.00	-92.57	-997.78	10.779 (2)
5-20-P	27.14	27.14	0.00	-76.63	-997.78	13.021 (2)
5-21-P	27.14	27.14	0.00	-63.03	-997.78	15.830 (2)
5-22-P	27.14	27.14	0.00	-52.32	-997.78	19.073 (2)
5-23-P	27.14	27.14	0.00	-53.14	-997.78	18.777 (2)
5-24-P	27.14	27.14	0.00	-53.96	-997.78	18.490 (2)
5-25-P	27.14	27.14	0.00	-66.40	-997.78	15.028 (2)
5-26-P	27.14	27.14	0.00	-81.73	-997.78	12.208 (2)
5-27-P	27.14	27.14	0.00	-99.52	-997.78	10.026 (2)
5-28-P	27.14	27.14	0.00	-121.03	-997.78	8.244 (2)
5-29-P	27.14	27.14	0.00	-142.52	-997.78	7.001 (2)
5-30-P	27.14	27.14	0.00	-121.82	-997.78	8.191 (2)
5-31-P	27.14	27.14	0.00	-101.09	-997.78	9.871 (2)
5-32-P	27.14	27.14	0.00	-84.12	-997.78	11.862 (2)
5-33-P	27.14	27.14	0.00	-69.62	-997.78	14.331 (2)
5-34-P	27.14	27.14	0.00	-58.06	-997.78	17.185 (2)
5-35-P	27.14	27.14	0.00	-58.22	-997.78	17.138 (2)
5-36-P	27.14	27.14	0.00	-58.38	-997.78	17.091 (2)
5-37-P	27.14	27.14	0.00	-70.27	-997.78	14.200 (2)
5-38-P	27.14	27.14	0.00	-85.09	-997.78	11.727 (2)
5-39-P	27.14	27.14	0.00	-102.40	-997.78	9.744 (2)
5-40-P	27.14	27.14	0.00	-123.49	-997.78	8.080 (2)
5-41-P	27.14	27.14	0.00	-144.55	-997.78	6.903 (2)
5-42-P	27.14	27.14	0.00	-123.49	-997.78	8.080 (2)
5-43-P	27.14	27.14	0.00	-102.40	-997.78	9.744 (2)
5-44-P	27.14	27.14	0.00	-85.09	-997.78	11.727 (2)
5-45-P	27.14	27.14	0.00	-70.27	-997.78	14.200 (2)
5-46-P	27.14	27.14	0.00	-58.38	-997.78	17.091 (2)
5-47-P	27.14	27.14	0.00	-58.22	-997.78	17.138 (2)
5-48-P	27.14	27.14	0.00	-58.06	-997.78	17.185 (2)
5-49-P	27.14	27.14	0.00	-69.62	-997.78	14.331 (2)
5-50-P	27.14	27.14	0.00	-84.12	-997.78	11.862 (2)
5-51-P	27.14	27.14	0.00	-101.09	-997.78	9.871 (2)
5-52-P	27.14	27.14	0.00	-121.82	-997.78	8.191 (2)
5-53-P	27.14	27.14	0.00	-142.52	-997.78	7.001 (2)
5-54-P	27.14	27.14	0.00	-121.03	-997.78	8.244 (2)
5-55-P	27.14	27.14	0.00	-99.52	-997.78	10.026 (2)
5-56-P	27.14	27.14	0.00	-81.73	-997.78	12.208 (2)
5-57-P	27.14	27.14	0.00	-66.40	-997.78	15.028 (2)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
5-58-P	27.14	27.14	0.00	-53.96	-997.78	18.490 (2)
5-59-P	27.14	27.14	0.00	-53.14	-997.78	18.777 (2)
5-60-P	27.14	27.14	0.00	-52.32	-997.78	19.073 (2)
5-61-P	27.14	27.14	0.00	-63.03	-997.78	15.830 (2)
5-62-P	27.14	27.14	0.00	-76.63	-997.78	13.021 (2)
5-63-P	27.14	27.14	0.00	-92.57	-997.78	10.779 (2)
5-64-P	27.14	27.14	0.00	-112.06	-997.78	8.904 (2)
5-65-P	27.14	27.14	0.23	-131.76	-997.78	7.573 (2)
5-66-P	27.14	27.14	0.00	-108.29	-997.78	9.214 (2)
5-67-P	27.14	27.14	0.00	-85.02	-997.78	11.736 (2)
5-68-P	27.14	27.14	0.00	-65.04	-997.78	15.342 (2)
5-69-P	27.14	27.14	0.00	-47.22	-997.78	21.132 (2)
5-70-P	27.14	27.14	56.85	-0.82	-997.78	31.051 (1)
5-71-P	27.14	27.14	56.39	-0.68	-997.78	35.618 (1)
5-72-P	27.14	27.14	55.93	-0.55	-997.78	41.747 (1)
5-73-P	27.14	27.14	42.44	-1.70	-997.78	32.466 (1)
5-74-P	27.14	27.14	0.72	-40.19	-997.78	24.824 (2)
5-75-P	27.14	27.14	0.98	-51.27	-997.78	19.460 (2)
5-76-P	27.14	27.14	1.49	-65.22	-997.78	15.299 (2)
5-77-P	27.14	27.14	2.04	-79.18	-997.78	12.602 (2)
5-78-P	27.14	27.14	1.70	-55.47	-997.78	17.987 (2)
5-79-P	27.14	27.14	1.58	-31.97	-997.78	31.208 (2)
5-80-P	27.14	27.14	1.16	-21.64	-997.78	46.118 (2)
5-81-P	27.14	27.14	0.73	-11.30	-997.78	88.315 (2)
6-1-P	22.62	22.62	12.89	-3.58	832.76	64.623 (2)
6-2-P	22.62	22.62	21.29	-3.63	832.76	39.117 (2)
6-3-P	22.62	22.62	33.88	-8.12	832.76	24.581 (2)
6-4-P	22.62	22.62	65.18	-0.14	832.76	12.776 (2)
6-5-P	22.62	22.62	104.34	0.00	832.76	7.981 (2)
6-6-P	22.62	22.62	78.89	0.00	832.76	10.556 (2)
6-7-P	22.62	22.62	53.99	-0.21	832.76	15.424 (2)
6-8-P	22.62	22.62	41.92	-2.75	832.76	19.866 (2)
6-9-P	22.62	22.62	58.85	0.00	832.76	25.814 (1)
6-10-P	22.62	22.62	75.23	0.00	832.76	31.596 (1)
6-11-P	22.62	22.62	77.01	0.00	832.76	33.298 (1)
6-12-P	22.62	22.62	78.79	0.00	832.76	35.166 (1)
6-13-P	22.62	22.62	66.72	0.00	832.76	29.618 (1)
6-14-P	22.62	22.62	51.19	0.00	832.76	24.263 (1)
6-15-P	22.62	22.62	50.21	-0.09	832.76	16.584 (2)
6-16-P	22.62	22.62	79.94	-0.09	832.76	10.417 (2)
6-17-P	22.62	22.62	110.00	0.00	832.76	7.570 (2)
6-18-P	22.62	22.62	76.97	-0.23	832.76	10.819 (2)
6-19-P	22.62	22.62	44.95	-1.05	832.76	18.525 (2)
6-20-P	22.62	22.62	49.33	0.00	832.76	28.692 (1)
6-21-P	22.62	22.62	64.65	0.00	832.76	36.753 (1)
6-22-P	22.62	22.62	76.73	0.00	832.76	58.817 (1)
6-23-P	22.62	22.62	75.81	0.00	832.76	65.193 (1)
6-24-P	22.62	22.62	74.89	0.00	832.76	54.192 (1)
6-25-P	22.62	22.62	61.06	0.00	832.76	47.018 (1)
6-26-P	22.62	22.62	44.00	0.00	832.76	29.010 (1)
6-27-P	22.62	22.62	36.51	-0.58	832.76	18.249 (2)
6-28-P	22.62	22.62	66.99	-0.28	832.76	11.840 (2)
6-29-P	22.62	22.62	97.90	0.00	832.76	8.506 (2)
6-30-P	22.62	22.62	66.05	-0.41	832.76	12.007 (2)
6-31-P	22.62	22.62	34.83	-1.02	832.76	19.130 (2)
6-32-P	22.62	22.62	39.37	0.00	832.76	30.206 (1)
6-33-P	22.62	22.62	54.93	0.00	832.76	58.155 (1)
6-34-P	22.62	22.62	67.30	0.00	-832.76	64.552 (1)
6-35-P	22.62	22.62	66.88	0.00	-832.76	63.541 (1)
6-36-P	22.62	22.62	66.45	0.00	-832.76	62.561 (1)
6-37-P	22.62	22.62	53.24	0.00	832.76	63.328 (1)
6-38-P	22.62	22.62	36.84	0.00	832.76	32.243 (1)
6-39-P	22.62	22.62	33.25	-1.29	832.76	20.034 (2)
6-40-P	22.62	22.62	63.79	-0.49	832.76	12.433 (2)
6-41-P	22.62	22.62	95.11	-0.05	832.76	8.756 (2)
6-42-P	22.62	22.62	63.79	-0.49	832.76	12.433 (2)
6-43-P	22.62	22.62	33.25	-1.29	832.76	20.034 (2)
6-44-P	22.62	22.62	36.84	0.00	832.76	32.243 (1)
6-45-P	22.62	22.62	53.24	0.00	832.76	63.328 (1)
6-46-P	22.62	22.62	66.45	0.00	-832.76	62.561 (1)
6-47-P	22.62	22.62	66.88	0.00	-832.76	63.541 (1)
6-48-P	22.62	22.62	67.30	0.00	-832.76	64.552 (1)
6-49-P	22.62	22.62	54.93	0.00	832.76	58.155 (1)
6-50-P	22.62	22.62	39.37	0.00	832.76	30.206 (1)
6-51-P	22.62	22.62	34.83	-1.02	832.76	19.130 (2)
6-52-P	22.62	22.62	66.05	-0.41	832.76	12.007 (2)
6-53-P	22.62	22.62	97.90	0.00	832.76	8.506 (2)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
6-54-P	22.62	22.62	66.99	-0.28	832.76	11.840 (2)
6-55-P	22.62	22.62	36.51	-0.58	832.76	18.249 (2)
6-56-P	22.62	22.62	44.00	0.00	832.76	29.010 (1)
6-57-P	22.62	22.62	61.06	0.00	832.76	47.018 (1)
6-58-P	22.62	22.62	74.89	0.00	832.76	54.192 (1)
6-59-P	22.62	22.62	75.81	0.00	832.76	65.193 (1)
6-60-P	22.62	22.62	76.73	0.00	832.76	58.817 (1)
6-61-P	22.62	22.62	64.65	0.00	832.76	36.753 (1)
6-62-P	22.62	22.62	49.33	0.00	832.76	28.692 (1)
6-63-P	22.62	22.62	44.95	-1.05	832.76	18.525 (2)
6-64-P	22.62	22.62	76.97	-0.23	832.76	10.819 (2)
6-65-P	22.62	22.62	110.00	0.00	832.76	7.570 (2)
6-66-P	22.62	22.62	79.94	-0.09	832.76	10.417 (2)
6-67-P	22.62	22.62	50.21	-0.09	832.76	16.584 (2)
6-68-P	22.62	22.62	51.19	0.00	832.76	24.263 (1)
6-69-P	22.62	22.62	66.72	0.00	832.76	29.618 (1)
6-70-P	22.62	22.62	78.79	0.00	832.76	35.166 (1)
6-71-P	22.62	22.62	77.01	0.00	832.76	33.298 (1)
6-72-P	22.62	22.62	75.23	0.00	832.76	31.596 (1)
6-73-P	22.62	22.62	58.85	0.00	832.76	25.814 (1)
6-74-P	22.62	22.62	41.92	-2.75	832.76	19.866 (2)
6-75-P	22.62	22.62	53.99	-0.21	832.76	15.424 (2)
6-76-P	22.62	22.62	78.89	0.00	832.76	10.556 (2)
6-77-P	22.62	22.62	104.34	0.00	832.76	7.981 (2)
6-78-P	22.62	22.62	65.18	-0.14	832.76	12.776 (2)
6-79-P	22.62	22.62	33.88	-8.12	832.76	24.581 (2)
6-80-P	22.62	22.62	21.29	-3.63	832.76	39.117 (2)
6-81-P	22.62	22.62	12.89	-3.58	832.76	64.623 (2)
7-1-P	22.62	22.62	10.24	-19.33	-832.76	34.472 (2)
7-2-P	22.62	22.62	27.87	-15.96	832.76	29.883 (2)
7-3-P	22.62	22.62	57.97	-24.99	832.76	14.365 (2)
7-4-P	22.62	22.62	0.00	-88.45	832.76	16.527 (1)
7-5-P	22.62	22.62	0.00	-151.95	832.76	7.296 (1)
7-6-P	22.62	22.62	0.00	-79.15	832.76	13.516 (1)
7-7-P	22.62	22.62	64.48	-20.47	832.76	12.915 (2)
7-8-P	22.62	22.62	60.52	-14.06	832.76	13.760 (2)
7-9-P	22.62	22.62	62.14	-0.07	832.76	20.621 (1)
7-10-P	22.62	22.62	82.24	0.00	832.76	23.776 (1)
7-11-P	22.62	22.62	84.82	0.00	832.76	23.667 (1)
7-12-P	22.62	22.62	87.41	0.00	832.76	23.559 (1)
7-13-P	22.62	22.62	72.44	0.00	832.76	20.528 (1)
7-14-P	22.62	22.62	53.08	0.00	832.76	15.693 (1)
7-15-P	22.62	22.62	54.14	-8.59	832.76	15.381 (2)
7-16-P	22.62	22.62	42.64	-10.62	832.76	10.229 (2)
7-17-P	22.62	22.62	54.84	-36.35	832.76	6.508 (2)
7-18-P	22.62	22.62	42.74	-13.28	832.76	11.134 (2)
7-19-P	22.62	22.62	59.90	-19.49	832.76	13.902 (2)
7-20-P	22.62	22.62	53.78	-0.14	832.76	15.525 (1)
7-21-P	22.62	22.62	73.63	0.00	832.76	25.977 (1)
7-22-P	22.62	22.62	89.46	0.00	832.76	34.608 (1)
7-23-P	22.62	22.62	88.63	0.00	832.76	36.222 (1)
7-24-P	22.62	22.62	87.79	0.00	832.76	37.995 (1)
7-25-P	22.62	22.62	70.40	0.00	832.76	31.031 (1)
7-26-P	22.62	22.62	48.86	0.00	832.76	18.290 (1)
7-27-P	22.62	22.62	50.41	-18.49	832.76	16.519 (2)
7-28-P	22.62	22.62	36.73	-17.80	832.76	11.876 (2)
7-29-P	22.62	22.62	0.00	-126.00	832.76	7.215 (1)
7-30-P	22.62	22.62	36.64	-18.96	832.76	11.905 (2)
7-31-P	22.62	22.62	51.97	-22.56	832.76	16.024 (2)
7-32-P	22.62	22.62	45.89	-16.44	832.76	18.145 (2)
7-33-P	22.62	22.62	64.07	0.00	832.76	34.543 (1)
7-34-P	22.62	22.62	79.99	0.00	832.76	53.631 (1)
7-35-P	22.62	22.62	79.53	0.00	832.76	54.602 (1)
7-36-P	22.62	22.62	79.07	0.00	832.76	55.608 (1)
7-37-P	22.62	22.62	62.24	0.00	832.76	36.762 (1)
7-38-P	22.62	22.62	44.04	-16.26	832.76	18.909 (2)
7-39-P	22.62	22.62	49.78	-22.63	832.76	16.728 (2)
7-40-P	22.62	22.62	35.12	-20.30	832.76	12.420 (2)
7-41-P	22.62	22.62	0.00	-131.34	832.76	7.431 (1)
7-42-P	22.62	22.62	35.12	-20.30	832.76	12.420 (2)
7-43-P	22.62	22.62	49.78	-22.63	832.76	16.728 (2)
7-44-P	22.62	22.62	44.04	-16.26	832.76	18.909 (2)
7-45-P	22.62	22.62	62.24	0.00	832.76	36.762 (1)
7-46-P	22.62	22.62	79.07	0.00	832.76	55.608 (1)
7-47-P	22.62	22.62	79.53	0.00	832.76	54.602 (1)
7-48-P	22.62	22.62	79.99	0.00	832.76	53.631 (1)
7-49-P	22.62	22.62	64.07	0.00	832.76	34.543 (1)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
7-50-P	22.62	22.62	45.89	-16.44	832.76	18.145 (2)
7-51-P	22.62	22.62	51.97	-22.56	832.76	16.024 (2)
7-52-P	22.62	22.62	36.64	-18.96	832.76	11.905 (2)
7-53-P	22.62	22.62	0.00	-126.00	832.76	7.215 (1)
7-54-P	22.62	22.62	36.73	-17.80	832.76	11.876 (2)
7-55-P	22.62	22.62	50.41	-18.49	832.76	16.519 (2)
7-56-P	22.62	22.62	48.86	0.00	832.76	18.290 (1)
7-57-P	22.62	22.62	70.40	0.00	832.76	31.031 (1)
7-58-P	22.62	22.62	87.79	0.00	832.76	37.995 (1)
7-59-P	22.62	22.62	88.63	0.00	832.76	36.222 (1)
7-60-P	22.62	22.62	89.46	0.00	832.76	34.608 (1)
7-61-P	22.62	22.62	73.63	0.00	832.76	25.977 (1)
7-62-P	22.62	22.62	53.78	-0.14	832.76	15.525 (1)
7-63-P	22.62	22.62	59.90	-19.49	832.76	13.902 (2)
7-64-P	22.62	22.62	42.74	-13.28	832.76	11.134 (2)
7-65-P	22.62	22.62	54.84	-36.35	832.76	6.508 (2)
7-66-P	22.62	22.62	42.64	-10.62	832.76	10.229 (2)
7-67-P	22.62	22.62	54.14	-8.59	832.76	15.381 (2)
7-68-P	22.62	22.62	53.08	0.00	832.76	15.693 (1)
7-69-P	22.62	22.62	72.44	0.00	832.76	20.528 (1)
7-70-P	22.62	22.62	87.41	0.00	832.76	23.559 (1)
7-71-P	22.62	22.62	84.82	0.00	832.76	23.667 (1)
7-72-P	22.62	22.62	82.24	0.00	832.76	23.776 (1)
7-73-P	22.62	22.62	62.14	-0.07	832.76	20.621 (1)
7-74-P	22.62	22.62	60.52	-14.06	832.76	13.760 (2)
7-75-P	22.62	22.62	64.48	-20.47	832.76	12.915 (2)
7-76-P	22.62	22.62	0.00	-79.15	832.76	13.516 (1)
7-77-P	22.62	22.62	0.00	-151.95	832.76	7.296 (1)
7-78-P	22.62	22.62	0.00	-88.45	832.76	16.527 (1)
7-79-P	22.62	22.62	57.97	-24.99	832.76	14.365 (2)
7-80-P	22.62	22.62	27.87	-15.96	832.76	29.883 (2)
7-81-P	22.62	22.62	10.24	-19.33	-832.76	34.472 (2)
8-1-S	22.62	27.14	17.57	-24.15	833.28	18.975 (2)
8-2-S	22.62	27.14	30.78	-39.36	833.28	10.829 (2)
8-3-S	22.62	27.14	46.23	-51.79	833.28	11.158 (2)
8-4-S	22.62	27.14	0.01	-281.94	-996.92	3.536 (2)
8-5-S	22.62	27.14	0.09	-505.86	-996.92	1.971 (2)
8-6-S	22.62	27.14	0.00	-868.63	-996.92	1.148 (2)
8-7-S	22.62	27.14	0.00	-774.49	-996.92	1.287 (2)
8-8-S	22.62	27.14	0.00	-680.35	-996.92	1.465 (2)
8-9-S	22.62	27.14	0.00	-610.41	-996.92	1.633 (2)
8-10-S	22.62	27.14	0.00	-540.47	-996.92	1.845 (2)
8-11-S	22.62	27.14	0.00	-614.11	-996.92	1.623 (2)
8-12-S	22.62	27.14	0.18	-687.93	-996.92	1.449 (2)
8-13-S	22.62	27.14	0.00	-621.22	-996.92	1.605 (2)
8-14-S	22.62	27.14	0.00	-554.70	-996.92	1.797 (2)
8-15-S	22.62	27.14	0.00	-464.57	-996.92	2.146 (2)
8-16-S	22.62	27.14	0.00	-318.28	-996.92	3.132 (2)
8-17-S	22.62	27.14	0.00	-173.75	-996.92	5.738 (2)
8-18-S	22.62	27.14	94.66	-0.07	-996.92	22.067 (1)
8-19-S	22.62	27.14	107.85	-0.04	833.28	10.555 (1)
8-20-S	22.62	27.14	201.56	0.00	833.28	4.134 (2)
8-21-S	22.62	27.14	213.31	-0.18	833.28	3.906 (2)
8-22-S	22.62	27.14	215.25	-2.82	833.28	3.871 (2)
8-23-S	22.62	27.14	188.48	-5.57	833.28	4.421 (2)
8-24-S	22.62	27.14	88.45	-50.28	833.28	7.627 (2)
8-25-S	22.62	27.14	58.82	-63.91	-996.92	9.360 (2)
8-26-S	22.62	27.14	31.66	-24.39	833.28	21.057 (2)
9-1-S	22.62	27.14	23.79	-15.01	833.28	35.028 (2)
9-2-S	22.62	27.14	39.20	-27.51	833.28	12.754 (2)
9-3-S	22.62	27.14	57.94	-43.48	833.28	8.903 (2)
9-4-S	22.62	27.14	0.00	-316.85	-996.92	3.146 (2)
9-5-S	22.62	27.14	0.00	-586.02	-996.92	1.701 (2)
9-6-S	22.62	27.14	0.00	-991.59	-996.92	1.005 (2)
9-7-S	22.62	27.14	0.00	-867.57	-996.92	1.149 (2)
9-8-S	22.62	27.14	0.00	-743.55	-996.92	1.341 (2)
9-9-S	22.62	27.14	0.00	-641.64	-996.92	1.554 (2)
9-10-S	22.62	27.14	0.00	-539.74	-996.92	1.847 (2)
9-11-S	22.62	27.14	0.00	-605.10	-996.92	1.648 (2)
9-12-S	22.62	27.14	0.00	-670.46	-996.92	1.487 (2)
9-13-S	22.62	27.14	0.00	-601.17	-996.92	1.658 (2)
9-14-S	22.62	27.14	0.00	-531.88	-996.92	1.874 (2)
9-15-S	22.62	27.14	0.00	-442.54	-996.92	2.253 (2)
9-16-S	22.62	27.14	0.00	-306.43	-996.92	3.253 (2)
9-17-S	22.62	27.14	0.00	-170.25	-996.92	5.856 (2)
9-18-S	22.62	27.14	97.90	0.00	-996.92	20.839 (1)
9-19-S	22.62	27.14	112.06	0.00	833.28	12.261 (1)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
9-20-S	22.62	27.14	179.72	0.00	833.28	4.637 (2)
9-21-S	22.62	27.14	189.95	0.00	833.28	4.387 (2)
9-22-S	22.62	27.14	192.81	-4.12	833.28	4.322 (2)
9-23-S	22.62	27.14	167.29	-8.08	833.28	4.981 (2)
9-24-S	22.62	27.14	77.61	-60.79	833.28	8.590 (2)
9-25-S	22.62	27.14	49.98	-78.97	-996.92	7.575 (2)
9-26-S	22.62	27.14	26.85	-37.25	833.28	24.832 (2)
10-1-S	22.62	31.67	0.54	-16.84	-1160.35	68.912 (2)
10-2-S	22.62	31.67	0.61	-15.53	-1160.35	74.739 (2)
10-3-S	22.62	31.67	0.69	-14.22	-1160.35	81.576 (2)
10-4-S	22.62	31.67	0.03	-32.04	-1160.35	36.216 (2)
10-5-S	22.62	31.67	0.00	-50.49	-1160.35	22.982 (2)
10-6-S	22.62	31.67	0.00	-1071.27	-1160.35	1.083 (2)
10-7-S	22.62	31.67	0.00	-962.74	-1160.35	1.205 (2)
10-8-S	22.62	31.67	0.00	-854.21	-1160.35	1.358 (2)
10-9-S	22.62	31.67	0.00	-773.49	-1160.35	1.500 (2)
10-10-S	22.62	31.67	0.00	-692.77	-1160.35	1.675 (2)
10-11-S	22.62	31.67	0.00	-628.43	-1160.35	1.846 (2)
10-12-S	22.62	31.67	0.00	-564.08	-1160.35	2.057 (2)
10-13-S	22.62	31.67	0.00	-491.66	-1160.35	2.360 (2)
10-14-S	22.62	31.67	0.00	-419.22	-1160.35	2.768 (2)
10-15-S	22.62	31.67	0.00	-341.39	-1160.35	3.399 (2)
10-16-S	22.62	31.67	0.00	-250.97	-1160.35	4.623 (2)
10-17-S	22.62	31.67	0.00	-160.56	-1160.35	7.227 (2)
10-18-S	22.62	31.67	73.98	0.00	-1160.35	13.951 (1)
10-19-S	22.62	31.67	80.66	0.00	-1160.35	69.641 (1)
10-20-S	22.62	31.67	87.35	0.00	833.69	15.298 (1)
10-21-S	22.62	31.67	75.98	0.00	833.69	11.757 (1)
10-22-S	22.62	31.67	81.51	0.00	833.69	10.228 (2)
10-23-S	22.62	31.67	84.63	0.00	833.69	9.851 (2)
10-24-S	22.62	31.67	57.82	0.00	833.69	14.418 (2)
10-25-S	22.62	31.67	37.77	0.00	833.69	22.075 (2)
10-26-S	22.62	31.67	22.21	0.00	833.69	37.535 (2)
11-1-S	22.62	31.67	22.73	-14.89	833.69	36.670 (2)
11-2-S	22.62	31.67	34.91	-26.58	833.69	14.328 (2)
11-3-S	22.62	31.67	50.21	-41.52	833.69	11.070 (2)
11-4-S	22.62	31.67	0.00	-298.58	-1160.35	3.886 (2)
11-5-S	22.62	31.67	0.00	-542.17	-1160.35	2.140 (2)
11-6-S	22.62	31.67	0.00	-1048.52	-1160.35	1.107 (2)
11-7-S	22.62	31.67	0.00	-922.91	-1160.35	1.257 (2)
11-8-S	22.62	31.67	0.00	-797.31	-1160.35	1.455 (2)
11-9-S	22.62	31.67	0.00	-687.56	-1160.35	1.688 (2)
11-10-S	22.62	31.67	0.00	-577.80	-1160.35	2.008 (2)
11-11-S	22.62	31.67	0.00	-631.29	-1160.35	1.838 (2)
11-12-S	22.62	31.67	0.00	-684.77	-1160.35	1.695 (2)
11-13-S	22.62	31.67	0.00	-610.76	-1160.35	1.900 (2)
11-14-S	22.62	31.67	0.00	-536.75	-1160.35	2.162 (2)
11-15-S	22.62	31.67	0.00	-444.24	-1160.35	2.612 (2)
11-16-S	22.62	31.67	0.00	-308.62	-1160.35	3.760 (2)
11-17-S	22.62	31.67	0.00	-172.95	-1160.35	6.709 (2)
11-18-S	22.62	31.67	99.39	0.00	-1160.35	22.295 (1)
11-19-S	22.62	31.67	113.77	0.00	833.69	13.694 (1)
11-20-S	22.62	31.67	171.42	0.00	833.69	4.864 (2)
11-21-S	22.62	31.67	182.41	0.00	833.69	4.570 (2)
11-22-S	22.62	31.67	183.50	-1.27	833.69	4.543 (2)
11-23-S	22.62	31.67	158.05	-3.42	833.69	5.275 (2)
11-24-S	22.62	31.67	72.39	-55.02	833.69	9.214 (2)
11-25-S	22.62	31.67	46.89	-74.23	-1160.35	9.379 (2)
11-26-S	22.62	31.67	22.13	-32.51	-1160.35	28.552 (2)
12-1-S	22.62	31.67	22.89	-15.18	833.69	36.426 (2)
12-2-S	22.62	31.67	35.00	-26.53	833.69	14.291 (2)
12-3-S	22.62	31.67	50.33	-41.23	833.69	11.043 (2)
12-4-S	22.62	31.67	0.00	-297.83	-1160.35	3.896 (2)
12-5-S	22.62	31.67	0.00	-541.11	-1160.35	2.144 (2)
12-6-S	22.62	31.67	0.00	-1054.20	-1160.35	1.101 (2)
12-7-S	22.62	31.67	0.00	-929.77	-1160.35	1.248 (2)
12-8-S	22.62	31.67	0.00	-805.35	-1160.35	1.441 (2)
12-9-S	22.62	31.67	0.00	-695.77	-1160.35	1.668 (2)
12-10-S	22.62	31.67	0.00	-586.20	-1160.35	1.979 (2)
12-11-S	22.62	31.67	0.00	-639.24	-1160.35	1.815 (2)
12-12-S	22.62	31.67	0.00	-692.29	-1160.35	1.676 (2)
12-13-S	22.62	31.67	0.00	-617.56	-1160.35	1.879 (2)
12-14-S	22.62	31.67	0.00	-542.84	-1160.35	2.138 (2)
12-15-S	22.62	31.67	0.00	-449.61	-1160.35	2.581 (2)
12-16-S	22.62	31.67	0.00	-313.24	-1160.35	3.704 (2)
12-17-S	22.62	31.67	0.00	-176.80	-1160.35	6.563 (2)
12-18-S	22.62	31.67	96.44	0.00	-1160.35	20.992 (1)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
12-19-S	22.62	31.67	111.69	0.00	833.69	13.529 (1)
12-20-S	22.62	31.67	169.44	0.00	833.69	4.920 (2)
12-21-S	22.62	31.67	181.08	-0.17	833.69	4.604 (2)
12-22-S	22.62	31.67	185.33	-4.14	833.69	4.498 (2)
12-23-S	22.62	31.67	161.52	-7.51	833.69	5.161 (2)
12-24-S	22.62	31.67	74.62	-57.57	833.69	8.938 (2)
12-25-S	22.62	31.67	48.01	-75.49	-1160.35	9.223 (2)
12-26-S	22.62	31.67	25.32	-35.68	833.69	26.344 (2)
13-1-S	22.62	31.67	0.62	-12.34	-1160.35	94.009 (2)
13-2-S	22.62	31.67	0.49	-11.94	-1160.35	97.216 (2)
13-3-S	22.62	31.67	0.46	-11.63	-1160.35	99.772 (2)
13-4-S	22.62	31.67	0.07	-22.73	-1160.35	51.060 (2)
13-5-S	22.62	31.67	0.00	-34.13	-1160.35	33.999 (2)
13-6-S	22.62	31.67	0.00	-1093.88	-1160.35	1.061 (2)
13-7-S	22.62	31.67	0.00	-988.47	-1160.35	1.174 (2)
13-8-S	22.62	31.67	0.00	-883.07	-1160.35	1.314 (2)
13-9-S	22.62	31.67	0.00	-801.57	-1160.35	1.448 (2)
13-10-S	22.62	31.67	0.00	-720.08	-1160.35	1.611 (2)
13-11-S	22.62	31.67	0.00	-653.23	-1160.35	1.776 (2)
13-12-S	22.62	31.67	0.00	-586.38	-1160.35	1.979 (2)
13-13-S	22.62	31.67	0.00	-511.24	-1160.35	2.270 (2)
13-14-S	22.62	31.67	0.00	-436.08	-1160.35	2.661 (2)
13-15-S	22.62	31.67	0.00	-355.74	-1160.35	3.262 (2)
13-16-S	22.62	31.67	0.00	-263.28	-1160.35	4.407 (2)
13-17-S	22.62	31.67	0.00	-170.82	-1160.35	6.793 (2)
13-18-S	22.62	31.67	66.47	0.00	-1160.35	12.647 (1)
13-19-S	22.62	31.67	75.50	0.00	-1160.35	53.205 (1)
13-20-S	22.62	31.67	84.53	0.00	833.69	17.174 (1)
13-21-S	22.62	31.67	74.35	0.00	833.69	12.591 (1)
13-22-S	22.62	31.67	78.05	0.00	833.69	10.681 (2)
13-23-S	22.62	31.67	82.35	0.00	833.69	10.124 (2)
13-24-S	22.62	31.67	56.45	0.00	833.69	14.767 (2)
13-25-S	22.62	31.67	36.99	0.00	833.69	22.536 (2)
13-26-S	22.62	31.67	21.82	0.00	833.69	38.208 (2)
14-1-S	22.62	31.67	20.15	-20.07	833.69	24.825 (2)
14-2-S	22.62	31.67	50.74	-33.67	833.69	10.171 (2)
14-3-S	22.62	31.67	81.88	-47.75	833.69	5.818 (2)
14-4-S	22.62	31.67	0.00	-202.21	-1160.35	5.738 (2)
14-5-S	22.62	31.67	1.68	-269.03	-1160.35	4.313 (2)
14-6-S	22.62	31.67	0.00	-1058.33	-1160.35	1.096 (2)
14-7-S	22.62	31.67	0.00	-935.09	-1160.35	1.241 (2)
14-8-S	22.62	31.67	0.00	-811.85	-1160.35	1.429 (2)
14-9-S	22.62	31.67	0.00	-702.92	-1160.35	1.651 (2)
14-10-S	22.62	31.67	0.00	-593.98	-1160.35	1.954 (2)
14-11-S	22.62	31.67	0.00	-647.12	-1160.35	1.793 (2)
14-12-S	22.62	31.67	0.00	-700.26	-1160.35	1.657 (2)
14-13-S	22.62	31.67	0.00	-625.24	-1160.35	1.856 (2)
14-14-S	22.62	31.67	0.00	-550.21	-1160.35	2.109 (2)
14-15-S	22.62	31.67	0.00	-456.57	-1160.35	2.541 (2)
14-16-S	22.62	31.67	0.00	-319.54	-1160.35	3.631 (2)
14-17-S	22.62	31.67	0.00	-182.44	-1160.35	6.360 (2)
14-18-S	22.62	31.67	89.30	0.00	-1160.35	19.395 (1)
14-19-S	22.62	31.67	106.03	0.00	833.69	14.803 (1)
14-20-S	22.62	31.67	166.03	0.00	833.69	5.021 (2)
14-21-S	22.62	31.67	178.19	0.00	833.69	4.679 (2)
14-22-S	22.62	31.67	182.16	-3.01	833.69	4.577 (2)
14-23-S	22.62	31.67	158.67	-6.04	833.69	5.254 (2)
14-24-S	22.62	31.67	72.87	-56.61	833.69	9.153 (2)
14-25-S	22.62	31.67	47.42	-75.29	-1160.35	9.247 (2)
14-26-S	22.62	31.67	23.79	-34.29	833.69	28.033 (2)
15-1-S	22.62	31.67	28.99	-14.42	833.69	28.755 (2)
15-2-S	22.62	31.67	54.27	-29.31	833.69	11.704 (2)
15-3-S	22.62	31.67	83.04	-47.66	833.69	6.215 (2)
15-4-S	22.62	31.67	0.00	-264.92	-1160.35	4.380 (2)
15-5-S	22.62	31.67	0.00	-438.34	-1160.35	2.647 (2)
15-6-S	22.62	31.67	0.00	-1059.08	-1160.35	1.096 (2)
15-7-S	22.62	31.67	0.00	-936.12	-1160.35	1.240 (2)
15-8-S	22.62	31.67	0.00	-813.15	-1160.35	1.427 (2)
15-9-S	22.62	31.67	0.00	-704.40	-1160.35	1.647 (2)
15-10-S	22.62	31.67	0.00	-595.65	-1160.35	1.948 (2)
15-11-S	22.62	31.67	0.00	-648.88	-1160.35	1.788 (2)
15-12-S	22.62	31.67	0.00	-702.11	-1160.35	1.653 (2)
15-13-S	22.62	31.67	0.00	-627.08	-1160.35	1.850 (2)
15-14-S	22.62	31.67	0.00	-552.05	-1160.35	2.102 (2)
15-15-S	22.62	31.67	0.00	-458.38	-1160.35	2.531 (2)
15-16-S	22.62	31.67	0.00	-321.23	-1160.35	3.612 (2)
15-17-S	22.62	31.67	0.00	-184.03	-1160.35	6.305 (2)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
15-18-S	22.62	31.67	86.48	0.00	-1160.35	18.940 (1)
15-19-S	22.62	31.67	103.70	0.00	833.69	14.751 (1)
15-20-S	22.62	31.67	164.94	0.00	833.69	5.054 (2)
15-21-S	22.62	31.67	177.58	-0.29	833.69	4.695 (2)
15-22-S	22.62	31.67	182.63	-4.18	833.69	4.565 (2)
15-23-S	22.62	31.67	159.60	-7.47	833.69	5.224 (2)
15-24-S	22.62	31.67	73.78	-57.82	833.69	9.040 (2)
15-25-S	22.62	31.67	47.77	-75.80	833.69	10.472 (2)
15-26-S	22.62	31.67	24.86	-35.43	833.69	26.828 (2)
16-1-S	22.62	31.67	0.60	-15.38	-1160.35	75.454 (2)
16-2-S	22.62	31.67	0.56	-14.37	-1160.35	80.758 (2)
16-3-S	22.62	31.67	0.61	-13.44	-1160.35	86.327 (2)
16-4-S	22.62	31.67	0.07	-25.88	-1160.35	44.832 (2)
16-5-S	22.62	31.67	0.00	-38.79	-1160.35	29.913 (2)
16-6-S	22.62	31.67	0.00	-1096.42	-1160.35	1.058 (2)
16-7-S	22.62	31.67	0.00	-991.89	-1160.35	1.170 (2)
16-8-S	22.62	31.67	0.00	-887.36	-1160.35	1.308 (2)
16-9-S	22.62	31.67	0.00	-806.45	-1160.35	1.439 (2)
16-10-S	22.62	31.67	0.00	-725.54	-1160.35	1.599 (2)
16-11-S	22.62	31.67	0.00	-658.93	-1160.35	1.761 (2)
16-12-S	22.62	31.67	0.00	-592.33	-1160.35	1.959 (2)
16-13-S	22.62	31.67	0.00	-517.13	-1160.35	2.244 (2)
16-14-S	22.62	31.67	0.00	-441.92	-1160.35	2.626 (2)
16-15-S	22.62	31.67	0.00	-361.42	-1160.35	3.211 (2)
16-16-S	22.62	31.67	0.00	-268.58	-1160.35	4.320 (2)
16-17-S	22.62	31.67	0.00	-175.74	-1160.35	6.603 (2)
16-18-S	22.62	31.67	0.00	-96.17	-1160.35	12.065 (2)
16-19-S	22.62	31.67	68.72	0.00	-1160.35	45.577 (1)
16-20-S	22.62	31.67	79.22	0.00	833.69	18.423 (1)
16-21-S	22.62	31.67	70.19	0.00	833.69	13.125 (1)
16-22-S	22.62	31.67	75.95	0.00	833.69	10.976 (2)
16-23-S	22.62	31.67	80.85	0.00	833.69	10.312 (2)
16-24-S	22.62	31.67	55.57	0.00	833.69	15.002 (2)
16-25-S	22.62	31.67	36.52	0.00	833.69	22.827 (2)
16-26-S	22.62	31.67	21.63	0.00	833.69	38.552 (2)
17-1-S	27.14	31.67	20.15	-19.92	998.48	39.641 (2)
17-2-S	27.14	31.67	50.69	-33.65	998.48	13.132 (2)
17-3-S	27.14	31.67	81.78	-47.87	998.48	6.977 (2)
17-4-S	27.14	31.67	0.00	-202.83	-1161.62	5.727 (2)
17-5-S	27.14	31.67	1.53	-269.95	-1161.62	4.303 (2)
17-6-S	27.14	31.67	0.00	-1059.60	-1161.62	1.096 (2)
17-7-S	27.14	31.67	0.00	-936.87	-1161.62	1.240 (2)
17-8-S	27.14	31.67	0.00	-814.13	-1161.62	1.427 (2)
17-9-S	27.14	31.67	0.00	-705.55	-1161.62	1.646 (2)
17-10-S	27.14	31.67	0.00	-596.98	-1161.62	1.946 (2)
17-11-S	27.14	31.67	0.00	-650.30	-1161.62	1.786 (2)
17-12-S	27.14	31.67	0.00	-703.62	-1161.62	1.651 (2)
17-13-S	27.14	31.67	0.00	-628.61	-1161.62	1.848 (2)
17-14-S	27.14	31.67	0.00	-553.60	-1161.62	2.098 (2)
17-15-S	27.14	31.67	0.00	-459.92	-1161.62	2.526 (2)
17-16-S	27.14	31.67	0.00	-322.70	-1161.62	3.600 (2)
17-17-S	27.14	31.67	0.00	-185.42	-1161.62	6.265 (2)
17-18-S	27.14	31.67	83.54	0.00	-1161.62	18.573 (1)
17-19-S	27.14	31.67	101.23	0.00	998.48	18.072 (1)
17-20-S	27.14	31.67	163.95	0.00	998.48	6.090 (2)
17-21-S	27.14	31.67	176.69	-0.23	998.48	5.651 (2)
17-22-S	27.14	31.67	181.73	-3.95	998.48	5.494 (2)
17-23-S	27.14	31.67	158.82	-7.18	998.48	6.287 (2)
17-24-S	27.14	31.67	73.30	-57.64	998.48	10.897 (2)
17-25-S	27.14	31.67	47.62	-75.81	-1161.62	12.258 (2)
17-26-S	27.14	31.67	24.48	-35.12	998.48	32.624 (2)
18-1-S	22.62	31.67	29.00	-14.44	833.69	28.750 (2)
18-2-S	22.62	31.67	54.24	-29.35	833.69	11.711 (2)
18-3-S	22.62	31.67	82.97	-47.72	833.69	6.220 (2)
18-4-S	22.62	31.67	0.00	-265.16	-1160.35	4.376 (2)
18-5-S	22.62	31.67	0.00	-438.75	-1160.35	2.645 (2)
18-6-S	22.62	31.67	0.00	-1059.60	-1160.35	1.095 (2)
18-7-S	22.62	31.67	0.00	-936.87	-1160.35	1.239 (2)
18-8-S	22.62	31.67	0.00	-814.13	-1160.35	1.425 (2)
18-9-S	22.62	31.67	0.00	-705.55	-1160.35	1.645 (2)
18-10-S	22.62	31.67	0.00	-596.98	-1160.35	1.944 (2)
18-11-S	22.62	31.67	0.00	-650.30	-1160.35	1.784 (2)
18-12-S	22.62	31.67	0.00	-703.62	-1160.35	1.649 (2)
18-13-S	22.62	31.67	0.00	-628.61	-1160.35	1.846 (2)
18-14-S	22.62	31.67	0.00	-553.60	-1160.35	2.096 (2)
18-15-S	22.62	31.67	0.00	-459.92	-1160.35	2.523 (2)
18-16-S	22.62	31.67	0.00	-322.70	-1160.35	3.596 (2)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
18-17-S	22.62	31.67	0.00	-185.42	-1160.35	6.258 (2)
18-18-S	22.62	31.67	83.54	0.00	-1160.35	18.553 (1)
18-19-S	22.62	31.67	101.23	0.00	833.69	15.089 (1)
18-20-S	22.62	31.67	163.95	0.00	833.69	5.085 (2)
18-21-S	22.62	31.67	176.69	-0.23	833.69	4.718 (2)
18-22-S	22.62	31.67	181.73	-3.95	833.69	4.587 (2)
18-23-S	22.62	31.67	158.82	-7.18	833.69	5.249 (2)
18-24-S	22.62	31.67	73.30	-57.64	833.69	9.099 (2)
18-25-S	22.62	31.67	47.62	-75.81	833.69	10.505 (2)
18-26-S	22.62	31.67	24.48	-35.12	833.69	27.239 (2)
19-1-S	22.62	31.67	0.60	-15.39	-1160.35	75.397 (2)
19-2-S	22.62	31.67	0.56	-14.39	-1160.35	80.622 (2)
19-3-S	22.62	31.67	0.61	-13.48	-1160.35	86.089 (2)
19-4-S	22.62	31.67	0.07	-25.92	-1160.35	44.761 (2)
19-5-S	22.62	31.67	0.00	-38.84	-1160.35	29.876 (2)
19-6-S	22.62	31.67	0.00	-1096.42	-1160.35	1.058 (2)
19-7-S	22.62	31.67	0.00	-991.89	-1160.35	1.170 (2)
19-8-S	22.62	31.67	0.00	-887.36	-1160.35	1.308 (2)
19-9-S	22.62	31.67	0.00	-806.45	-1160.35	1.439 (2)
19-10-S	22.62	31.67	0.00	-725.54	-1160.35	1.599 (2)
19-11-S	22.62	31.67	0.00	-658.93	-1160.35	1.761 (2)
19-12-S	22.62	31.67	0.00	-592.33	-1160.35	1.959 (2)
19-13-S	22.62	31.67	0.00	-517.13	-1160.35	2.244 (2)
19-14-S	22.62	31.67	0.00	-441.92	-1160.35	2.626 (2)
19-15-S	22.62	31.67	0.00	-361.42	-1160.35	3.211 (2)
19-16-S	22.62	31.67	0.00	-268.58	-1160.35	4.320 (2)
19-17-S	22.62	31.67	0.00	-175.74	-1160.35	6.603 (2)
19-18-S	22.62	31.67	0.00	-96.17	-1160.35	12.065 (2)
19-19-S	22.62	31.67	68.72	0.00	-1160.35	45.577 (1)
19-20-S	22.62	31.67	79.22	0.00	833.69	18.423 (1)
19-21-S	22.62	31.67	70.19	0.00	833.69	13.125 (1)
19-22-S	22.62	31.67	75.95	0.00	833.69	10.976 (2)
19-23-S	22.62	31.67	80.85	0.00	833.69	10.312 (2)
19-24-S	22.62	31.67	55.57	0.00	833.69	15.002 (2)
19-25-S	22.62	31.67	36.52	0.00	833.69	22.827 (2)
19-26-S	22.62	31.67	21.63	0.00	833.69	38.552 (2)
20-1-S	22.62	31.67	20.15	-19.92	833.69	33.103 (2)
20-2-S	22.62	31.67	50.69	-33.65	833.69	10.965 (2)
20-3-S	22.62	31.67	81.78	-47.87	833.69	5.825 (2)
20-4-S	22.62	31.67	0.00	-202.82	-1160.35	5.721 (2)
20-5-S	22.62	31.67	1.53	-269.95	-1160.35	4.298 (2)
20-6-S	22.62	31.67	0.00	-1059.08	-1160.35	1.096 (2)
20-7-S	22.62	31.67	0.00	-936.12	-1160.35	1.240 (2)
20-8-S	22.62	31.67	0.00	-813.15	-1160.35	1.427 (2)
20-9-S	22.62	31.67	0.00	-704.40	-1160.35	1.647 (2)
20-10-S	22.62	31.67	0.00	-595.65	-1160.35	1.948 (2)
20-11-S	22.62	31.67	0.00	-648.88	-1160.35	1.788 (2)
20-12-S	22.62	31.67	0.00	-702.11	-1160.35	1.653 (2)
20-13-S	22.62	31.67	0.00	-627.08	-1160.35	1.850 (2)
20-14-S	22.62	31.67	0.00	-552.05	-1160.35	2.102 (2)
20-15-S	22.62	31.67	0.00	-458.38	-1160.35	2.531 (2)
20-16-S	22.62	31.67	0.00	-321.23	-1160.35	3.612 (2)
20-17-S	22.62	31.67	0.00	-184.03	-1160.35	6.305 (2)
20-18-S	22.62	31.67	86.48	0.00	-1160.35	18.940 (1)
20-19-S	22.62	31.67	103.70	0.00	833.69	14.751 (1)
20-20-S	22.62	31.67	164.94	0.00	833.69	5.054 (2)
20-21-S	22.62	31.67	177.58	-0.29	833.69	4.695 (2)
20-22-S	22.62	31.67	182.63	-4.18	833.69	4.565 (2)
20-23-S	22.62	31.67	159.60	-7.47	833.69	5.224 (2)
20-24-S	22.62	31.67	73.78	-57.82	833.69	9.040 (2)
20-25-S	22.62	31.67	47.77	-75.80	833.69	10.472 (2)
20-26-S	22.62	31.67	24.86	-35.43	833.69	26.828 (2)
21-1-S	22.62	31.67	28.99	-14.44	833.69	28.753 (2)
21-2-S	22.62	31.67	54.24	-29.35	833.69	11.711 (2)
21-3-S	22.62	31.67	82.97	-47.72	833.69	6.220 (2)
21-4-S	22.62	31.67	0.00	-265.15	-1160.35	4.376 (2)
21-5-S	22.62	31.67	0.00	-438.74	-1160.35	2.645 (2)
21-6-S	22.62	31.67	0.00	-1058.33	-1160.35	1.096 (2)
21-7-S	22.62	31.67	0.00	-935.09	-1160.35	1.241 (2)
21-8-S	22.62	31.67	0.00	-811.85	-1160.35	1.429 (2)
21-9-S	22.62	31.67	0.00	-702.92	-1160.35	1.651 (2)
21-10-S	22.62	31.67	0.00	-593.98	-1160.35	1.954 (2)
21-11-S	22.62	31.67	0.00	-647.12	-1160.35	1.793 (2)
21-12-S	22.62	31.67	0.00	-700.26	-1160.35	1.657 (2)
21-13-S	22.62	31.67	0.00	-625.24	-1160.35	1.856 (2)
21-14-S	22.62	31.67	0.00	-550.21	-1160.35	2.109 (2)
21-15-S	22.62	31.67	0.00	-456.57	-1160.35	2.541 (2)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
21-16-S	22.62	31.67	0.00	-319.54	-1160.35	3.631 (2)
21-17-S	22.62	31.67	0.00	-182.44	-1160.35	6.360 (2)
21-18-S	22.62	31.67	89.30	0.00	-1160.35	19.395 (1)
21-19-S	22.62	31.67	106.03	0.00	833.69	14.803 (1)
21-20-S	22.62	31.67	166.03	0.00	833.69	5.021 (2)
21-21-S	22.62	31.67	178.19	0.00	833.69	4.679 (2)
21-22-S	22.62	31.67	182.16	-3.01	833.69	4.577 (2)
21-23-S	22.62	31.67	158.67	-6.04	833.69	5.254 (2)
21-24-S	22.62	31.67	72.87	-56.61	833.69	9.153 (2)
21-25-S	22.62	31.67	47.42	-75.29	-1160.35	9.247 (2)
21-26-S	22.62	31.67	23.79	-34.29	833.69	28.033 (2)
22-1-S	22.62	31.67	0.60	-15.40	-1160.35	75.326 (2)
22-2-S	22.62	31.67	0.56	-14.42	-1160.35	80.493 (2)
22-3-S	22.62	31.67	0.61	-13.51	-1160.35	85.891 (2)
22-4-S	22.62	31.67	0.07	-25.95	-1160.35	44.722 (2)
22-5-S	22.62	31.67	0.00	-38.86	-1160.35	29.863 (2)
22-6-S	22.62	31.67	0.00	-1093.88	-1160.35	1.061 (2)
22-7-S	22.62	31.67	0.00	-988.47	-1160.35	1.174 (2)
22-8-S	22.62	31.67	0.00	-883.07	-1160.35	1.314 (2)
22-9-S	22.62	31.67	0.00	-801.57	-1160.35	1.448 (2)
22-10-S	22.62	31.67	0.00	-720.08	-1160.35	1.611 (2)
22-11-S	22.62	31.67	0.00	-653.23	-1160.35	1.776 (2)
22-12-S	22.62	31.67	0.00	-586.38	-1160.35	1.979 (2)
22-13-S	22.62	31.67	0.00	-511.24	-1160.35	2.270 (2)
22-14-S	22.62	31.67	0.00	-436.08	-1160.35	2.661 (2)
22-15-S	22.62	31.67	0.00	-355.74	-1160.35	3.262 (2)
22-16-S	22.62	31.67	0.00	-263.28	-1160.35	4.407 (2)
22-17-S	22.62	31.67	0.00	-170.82	-1160.35	6.793 (2)
22-18-S	22.62	31.67	66.47	0.00	-1160.35	12.647 (1)
22-19-S	22.62	31.67	75.50	0.00	-1160.35	53.205 (1)
22-20-S	22.62	31.67	84.53	0.00	833.69	17.174 (1)
22-21-S	22.62	31.67	74.35	0.00	833.69	12.591 (1)
22-22-S	22.62	31.67	78.05	0.00	833.69	10.681 (2)
22-23-S	22.62	31.67	82.35	0.00	833.69	10.124 (2)
22-24-S	22.62	31.67	56.45	0.00	833.69	14.767 (2)
22-25-S	22.62	31.67	36.99	0.00	833.69	22.536 (2)
22-26-S	22.62	31.67	21.82	0.00	833.69	38.208 (2)
23-1-S	22.62	31.67	20.15	-19.95	833.69	24.827 (2)
23-2-S	22.62	31.67	50.64	-33.70	833.69	10.975 (2)
23-3-S	22.62	31.67	81.69	-47.96	833.69	5.832 (2)
23-4-S	22.62	31.67	0.00	-203.10	-1160.35	5.713 (2)
23-5-S	22.62	31.67	1.49	-270.30	-1160.35	4.293 (2)
23-6-S	22.62	31.67	0.00	-1054.20	-1160.35	1.101 (2)
23-7-S	22.62	31.67	0.00	-929.77	-1160.35	1.248 (2)
23-8-S	22.62	31.67	0.00	-805.35	-1160.35	1.441 (2)
23-9-S	22.62	31.67	0.00	-695.77	-1160.35	1.668 (2)
23-10-S	22.62	31.67	0.00	-586.20	-1160.35	1.979 (2)
23-11-S	22.62	31.67	0.00	-639.24	-1160.35	1.815 (2)
23-12-S	22.62	31.67	0.00	-692.29	-1160.35	1.676 (2)
23-13-S	22.62	31.67	0.00	-617.56	-1160.35	1.879 (2)
23-14-S	22.62	31.67	0.00	-542.84	-1160.35	2.138 (2)
23-15-S	22.62	31.67	0.00	-449.61	-1160.35	2.581 (2)
23-16-S	22.62	31.67	0.00	-313.24	-1160.35	3.704 (2)
23-17-S	22.62	31.67	0.00	-176.80	-1160.35	6.563 (2)
23-18-S	22.62	31.67	96.44	0.00	-1160.35	20.992 (1)
23-19-S	22.62	31.67	111.69	0.00	833.69	13.529 (1)
23-20-S	22.62	31.67	169.44	0.00	833.69	4.920 (2)
23-21-S	22.62	31.67	181.08	-0.17	833.69	4.604 (2)
23-22-S	22.62	31.67	185.33	-4.14	833.69	4.498 (2)
23-23-S	22.62	31.67	161.52	-7.51	833.69	5.161 (2)
23-24-S	22.62	31.67	74.62	-57.57	833.69	8.938 (2)
23-25-S	22.62	31.67	48.01	-75.49	-1160.35	9.223 (2)
23-26-S	22.62	31.67	25.32	-35.68	833.69	26.344 (2)
24-1-S	22.62	31.67	28.84	-14.18	833.69	28.912 (2)
24-2-S	22.62	31.67	54.05	-29.40	833.69	11.751 (2)
24-3-S	22.62	31.67	82.74	-48.06	833.69	6.237 (2)
24-4-S	22.62	31.67	0.00	-266.19	-1160.35	4.359 (2)
24-5-S	22.62	31.67	0.00	-440.30	-1160.35	2.635 (2)
24-6-S	22.62	31.67	0.00	-1048.52	-1160.35	1.107 (2)
24-7-S	22.62	31.67	0.00	-922.91	-1160.35	1.257 (2)
24-8-S	22.62	31.67	0.00	-797.31	-1160.35	1.455 (2)
24-9-S	22.62	31.67	0.00	-687.56	-1160.35	1.688 (2)
24-10-S	22.62	31.67	0.00	-577.80	-1160.35	2.008 (2)
24-11-S	22.62	31.67	0.00	-631.29	-1160.35	1.838 (2)
24-12-S	22.62	31.67	0.00	-684.77	-1160.35	1.695 (2)
24-13-S	22.62	31.67	0.00	-610.76	-1160.35	1.900 (2)
24-14-S	22.62	31.67	0.00	-536.75	-1160.35	2.162 (2)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
24-15-S	22.62	31.67	0.00	-444.24	-1160.35	2.612 (2)
24-16-S	22.62	31.67	0.00	-308.62	-1160.35	3.760 (2)
24-17-S	22.62	31.67	0.00	-172.95	-1160.35	6.709 (2)
24-18-S	22.62	31.67	99.39	0.00	-1160.35	22.295 (1)
24-19-S	22.62	31.67	113.77	0.00	833.69	13.694 (1)
24-20-S	22.62	31.67	171.42	0.00	833.69	4.864 (2)
24-21-S	22.62	31.67	182.41	0.00	833.69	4.570 (2)
24-22-S	22.62	31.67	183.50	-1.27	833.69	4.543 (2)
24-23-S	22.62	31.67	158.05	-3.42	833.69	5.275 (2)
24-24-S	22.62	31.67	72.39	-55.02	833.69	9.214 (2)
24-25-S	22.62	31.67	46.89	-74.23	-1160.35	9.379 (2)
24-26-S	22.62	31.67	22.13	-32.51	-1160.35	28.552 (2)
25-1-S	22.62	31.67	0.54	-19.92	-1160.35	58.262 (2)
25-2-S	22.62	31.67	0.67	-17.99	-1160.35	64.515 (2)
25-3-S	22.62	31.67	0.81	-16.08	-1160.35	72.176 (2)
25-4-S	22.62	31.67	0.03	-35.27	-1160.35	32.899 (2)
25-5-S	22.62	31.67	0.00	-55.22	-1160.35	21.012 (2)
25-6-S	22.62	31.67	0.00	-1071.27	-1160.35	1.083 (2)
25-7-S	22.62	31.67	0.00	-962.74	-1160.35	1.205 (2)
25-8-S	22.62	31.67	0.00	-854.21	-1160.35	1.358 (2)
25-9-S	22.62	31.67	0.00	-773.49	-1160.35	1.500 (2)
25-10-S	22.62	31.67	0.00	-692.77	-1160.35	1.675 (2)
25-11-S	22.62	31.67	0.00	-628.43	-1160.35	1.846 (2)
25-12-S	22.62	31.67	0.00	-564.08	-1160.35	2.057 (2)
25-13-S	22.62	31.67	0.00	-491.66	-1160.35	2.360 (2)
25-14-S	22.62	31.67	0.00	-419.22	-1160.35	2.768 (2)
25-15-S	22.62	31.67	0.00	-341.39	-1160.35	3.399 (2)
25-16-S	22.62	31.67	0.00	-250.97	-1160.35	4.623 (2)
25-17-S	22.62	31.67	0.00	-160.56	-1160.35	7.227 (2)
25-18-S	22.62	31.67	73.98	0.00	-1160.35	13.951 (1)
25-19-S	22.62	31.67	80.66	0.00	-1160.35	69.641 (1)
25-20-S	22.62	31.67	87.35	0.00	833.69	15.298 (1)
25-21-S	22.62	31.67	75.98	0.00	833.69	11.757 (1)
25-22-S	22.62	31.67	81.51	0.00	833.69	10.228 (2)
25-23-S	22.62	31.67	84.63	0.00	833.69	9.851 (2)
25-24-S	22.62	31.67	57.82	0.00	833.69	14.418 (2)
25-25-S	22.62	31.67	37.77	0.00	833.69	22.075 (2)
25-26-S	22.62	31.67	22.21	0.00	833.69	37.535 (2)
26-1-S	22.62	27.14	23.81	-14.88	833.28	34.993 (2)
26-2-S	22.62	27.14	39.16	-27.52	833.28	12.768 (2)
26-3-S	22.62	27.14	57.84	-43.64	833.28	8.918 (2)
26-4-S	22.62	27.14	0.00	-317.47	-996.92	3.140 (2)
26-5-S	22.62	27.14	0.00	-587.01	-996.92	1.698 (2)
26-6-S	22.62	27.14	0.00	-991.59	-996.92	1.005 (2)
26-7-S	22.62	27.14	0.00	-867.57	-996.92	1.149 (2)
26-8-S	22.62	27.14	0.00	-743.55	-996.92	1.341 (2)
26-9-S	22.62	27.14	0.00	-641.64	-996.92	1.554 (2)
26-10-S	22.62	27.14	0.00	-539.74	-996.92	1.847 (2)
26-11-S	22.62	27.14	0.00	-605.10	-996.92	1.648 (2)
26-12-S	22.62	27.14	0.00	-670.46	-996.92	1.487 (2)
26-13-S	22.62	27.14	0.00	-601.17	-996.92	1.658 (2)
26-14-S	22.62	27.14	0.00	-531.88	-996.92	1.874 (2)
26-15-S	22.62	27.14	0.00	-442.54	-996.92	2.253 (2)
26-16-S	22.62	27.14	0.00	-306.43	-996.92	3.253 (2)
26-17-S	22.62	27.14	0.00	-170.25	-996.92	5.856 (2)
26-18-S	22.62	27.14	97.90	0.00	-996.92	20.839 (1)
26-19-S	22.62	27.14	112.06	0.00	833.28	12.261 (1)
26-20-S	22.62	27.14	179.72	0.00	833.28	4.637 (2)
26-21-S	22.62	27.14	189.95	0.00	833.28	4.387 (2)
26-22-S	22.62	27.14	192.81	-4.12	833.28	4.322 (2)
26-23-S	22.62	27.14	167.29	-8.08	833.28	4.981 (2)
26-24-S	22.62	27.14	77.61	-60.79	833.28	8.590 (2)
26-25-S	22.62	27.14	49.98	-78.97	-996.92	7.575 (2)
26-26-S	22.62	27.14	26.85	-37.25	833.28	24.832 (2)
27-1-S	22.62	27.14	17.57	-24.18	833.28	18.970 (2)
27-2-S	22.62	27.14	30.75	-39.42	833.28	10.838 (2)
27-3-S	22.62	27.14	46.18	-51.89	833.28	11.170 (2)
27-4-S	22.62	27.14	0.01	-282.20	-996.92	3.533 (2)
27-5-S	22.62	27.14	0.09	-506.25	-996.92	1.969 (2)
27-6-S	22.62	27.14	0.00	-868.63	-996.92	1.148 (2)
27-7-S	22.62	27.14	0.00	-774.49	-996.92	1.287 (2)
27-8-S	22.62	27.14	0.00	-680.35	-996.92	1.465 (2)
27-9-S	22.62	27.14	0.00	-610.41	-996.92	1.633 (2)
27-10-S	22.62	27.14	0.00	-540.47	-996.92	1.845 (2)
27-11-S	22.62	27.14	0.00	-614.11	-996.92	1.623 (2)
27-12-S	22.62	27.14	0.18	-687.93	-996.92	1.449 (2)
27-13-S	22.62	27.14	0.00	-621.22	-996.92	1.605 (2)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
27-14-S	22.62	27.14	0.00	-554.70	-996.92	1.797 (2)
27-15-S	22.62	27.14	0.00	-464.57	-996.92	2.146 (2)
27-16-S	22.62	27.14	0.00	-318.28	-996.92	3.132 (2)
27-17-S	22.62	27.14	0.00	-173.75	-996.92	5.738 (2)
27-18-S	22.62	27.14	94.66	-0.07	-996.92	22.067 (1)
27-19-S	22.62	27.14	107.85	-0.04	833.28	10.555 (1)
27-20-S	22.62	27.14	201.56	0.00	833.28	4.134 (2)
27-21-S	22.62	27.14	213.31	-0.18	833.28	3.906 (2)
27-22-S	22.62	27.14	215.25	-2.82	833.28	3.871 (2)
27-23-S	22.62	27.14	188.48	-5.57	833.28	4.421 (2)
27-24-S	22.62	27.14	88.45	-50.28	833.28	7.627 (2)
27-25-S	22.62	27.14	58.82	-63.91	-996.92	9.360 (2)
27-26-S	22.62	27.14	31.66	-24.39	833.28	21.057 (2)

Pali in c.a.

Ip	Is	Ar [cmq]	M [kNm]	N [kN]	Mu [kNm]	Nu [kN]	FS
1	1	152.05	1146.49	-442.28	1397.35	-539.05	1.219
2	1	152.05	1146.49	1008.61	1661.12	1461.35	1.449
3	1	152.05	1146.49	2427.30	1773.62	3755.04	1.547

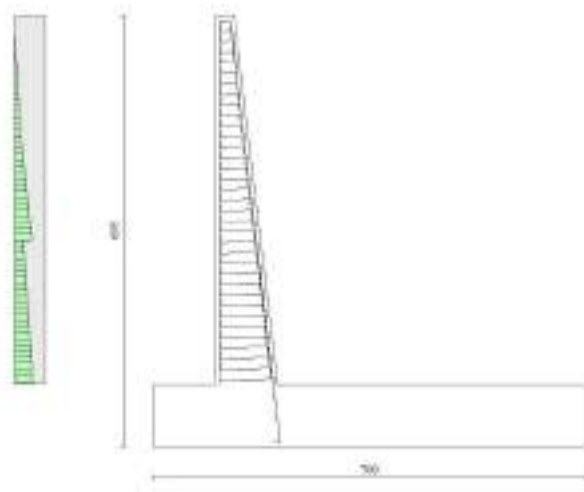


Fig. 12 - Paramento (Inviluppo)

RELAZIONE DI CALCOLO

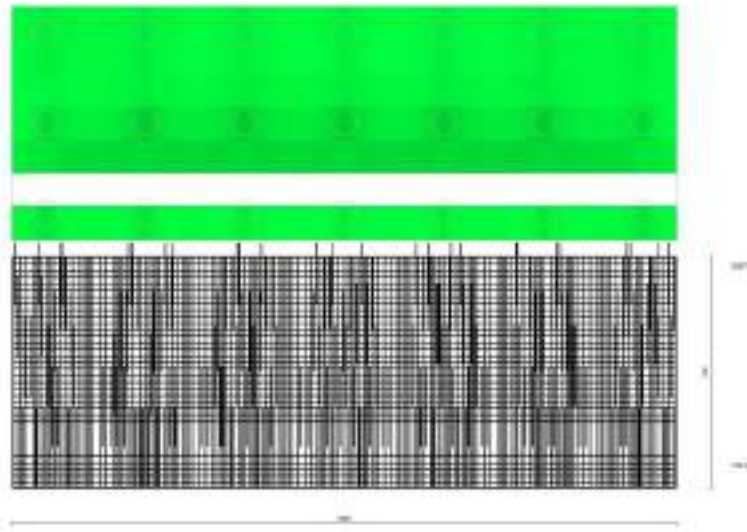


Fig. 13 - Piastra fondazione dir. X (Inviluppo)

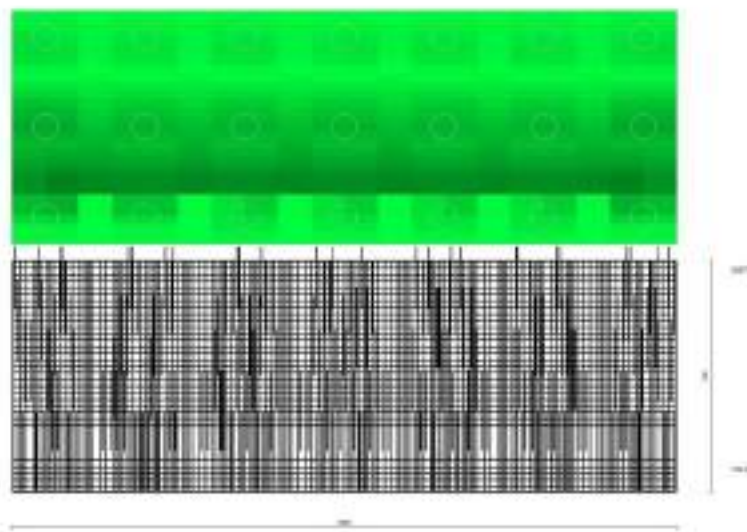


Fig. 14 - Piastra fondazione dir. Y (Inviluppo)

RELAZIONE DI CALCOLO

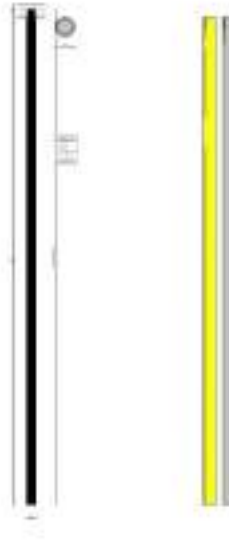


Fig. 15 - Pali (Palo n° 1) (Inviluppo)

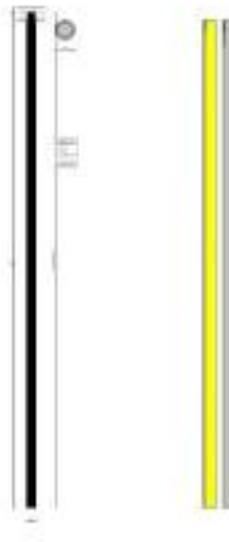


Fig. 16 - Pali (Palo n° 2) (Inviluppo)

RELAZIONE DI CALCOLO

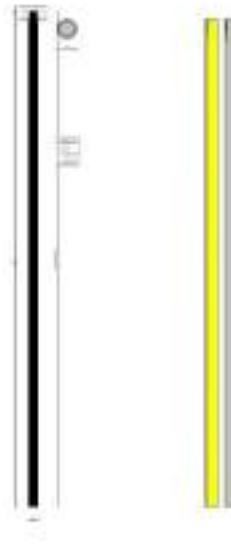


Fig. 17 - Pali (Palo n° 3) (Inviluppo)

Verifiche a taglio

Simbologia adottata

- n° (o Is) indice sezione
- Y ordinata sezione espressa in [m]
- B larghezza sezione espresso in [cm]
- H altezza sezione espressa in [cm]
- A_{sw} area ferri a taglio espresso in [cmq]
- cotθ inclinazione delle bielle compresse, θ inclinazione dei puntoni di calcestruzzo
- V_{Rcd} resistenza di progetto a 'taglio compressione' espressa in [kN]
- V_{Rsd} resistenza di progetto a 'taglio trazione' espressa in [kN]
- V_{Rd} resistenza di progetto a taglio espresso in [kN]. Per elementi con armature trasversali resistenti al taglio (A_{sw}>0.0) V_{Rd}=min(V_{Rcd}, V_{Rsd}).
- T taglio agente espressa in [kN]
- FS fattore di sicurezza (rapporto tra sollecitazione resistente e sollecitazione agente)

Paramento

n°	B [cm]	H [cm]	A _{sw} [cmq]	cotθ	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
1	100	30	0.00	--	0.00	0.00	220.66	1.17	188.359
2	100	31	0.00	--	0.00	0.00	225.29	5.36	42.021
3	100	32	0.00	--	0.00	0.00	229.83	9.61	23.916
4	100	33	0.00	--	0.00	0.00	234.29	13.92	16.834
5	100	35	0.00	--	0.00	0.00	238.68	18.28	13.054
6	100	36	0.00	--	0.00	0.00	243.00	22.71	10.701
7	100	37	0.00	--	0.00	0.00	247.26	27.19	9.093
8	100	38	0.00	--	0.00	0.00	251.46	31.74	7.924
9	100	39	0.00	--	0.00	0.00	255.61	36.34	7.034
10	100	40	0.00	--	0.00	0.00	259.70	41.00	6.334
11	100	42	0.00	--	0.00	0.00	263.73	45.72	5.769
12	100	43	0.00	--	0.00	0.00	267.73	50.49	5.302
13	100	44	0.00	--	0.00	0.00	271.67	55.33	4.910
14	100	45	0.00	--	0.00	0.00	275.58	60.23	4.576
15	100	46	0.00	--	0.00	0.00	279.44	65.18	4.287
16	100	47	0.00	--	0.00	0.00	283.26	70.19	4.035
17	100	49	0.00	--	0.00	0.00	287.05	75.27	3.814
18	100	50	0.00	--	0.00	0.00	290.80	80.40	3.617
19	100	51	0.00	--	0.00	0.00	294.51	85.59	3.441
20	100	52	0.00	--	0.00	0.00	298.20	90.84	3.283
21	100	53	0.00	--	0.00	0.00	301.85	96.14	3.140
22	100	54	0.00	--	0.00	0.00	305.47	101.51	3.009
23	100	56	0.00	--	0.00	0.00	309.06	106.93	2.890
24	100	57	0.00	--	0.00	0.00	312.63	112.42	2.781
25	100	58	0.00	--	0.00	0.00	316.17	117.96	2.680
26	100	59	0.00	--	0.00	0.00	319.68	123.56	2.587

RELAZIONE DI CALCOLO

n°	B [cm]	H [cm]	A _{sw} [cmq]	cotθ	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
27	100	60	0.00	--	0.00	0.00	323.17	129.22	2.501
28	100	61	0.00	--	0.00	0.00	326.63	134.94	2.421
29	100	63	0.00	--	0.00	0.00	330.08	140.72	2.346
30	100	64	0.00	--	0.00	0.00	333.50	146.56	2.276
31	100	65	0.00	--	0.00	0.00	336.90	152.45	2.210
32	100	66	0.00	--	0.00	0.00	340.27	158.41	2.148
33	100	67	0.00	--	0.00	0.00	343.63	164.42	2.090
34	100	68	0.00	--	0.00	0.00	346.97	170.49	2.035
35	100	70	0.00	--	0.00	0.00	350.29	176.62	1.983
36	100	71	0.00	--	0.00	0.00	353.60	182.81	1.934
37	100	72	0.00	--	0.00	0.00	356.88	189.06	1.888
38	100	73	0.00	--	0.00	0.00	411.29	195.37	2.105
39	100	74	0.00	--	0.00	0.00	414.97	201.73	2.057
40	100	75	0.00	--	0.00	0.00	418.64	208.16	2.011
41	100	77	0.00	--	0.00	0.00	422.29	214.64	1.967
42	100	78	0.00	--	0.00	0.00	425.92	221.19	1.926
43	100	79	0.00	--	0.00	0.00	429.54	227.79	1.886
44	100	80	0.00	--	0.00	0.00	433.14	234.45	1.847
45	100	81	0.00	--	0.00	0.00	436.72	241.17	1.811
46	100	82	0.00	--	0.00	0.00	440.29	247.94	1.776
47	100	84	0.00	--	0.00	0.00	443.84	254.78	1.742
48	100	85	0.00	--	0.00	0.00	447.38	261.68	1.710
49	100	86	0.00	--	0.00	0.00	450.90	268.63	1.679
50	100	87	0.00	--	0.00	0.00	454.41	275.64	1.649
51	100	88	0.00	--	0.00	0.00	457.90	282.72	1.620
52	100	89	0.00	--	0.00	0.00	404.42	289.85	1.395
53	100	91	0.00	--	0.00	0.00	407.49	297.04	1.372
54	100	92	0.00	--	0.00	0.00	410.55	304.29	1.349
55	100	93	0.00	--	0.00	0.00	413.60	311.59	1.327
56	100	94	0.00	--	0.00	0.00	416.64	318.96	1.306
57	100	95	0.00	--	0.00	0.00	419.67	326.38	1.286
58	100	96	0.00	--	0.00	0.00	422.69	333.87	1.266
59	100	98	0.00	--	0.00	0.00	425.70	341.41	1.247
60	100	99	0.00	--	0.00	0.00	428.71	349.01	1.228
61	100	100	0.00	--	0.00	0.00	431.44	356.67	1.210

Fondazione

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
1-1-P	100	100	0.00	2.000	0.00	0.00	358.38	43.71	8.198 (1)
1-2-P	100	100	0.00	2.000	0.00	0.00	358.38	43.71	8.198 (1)
1-3-P	100	100	0.00	2.000	0.00	0.00	358.38	43.71	8.198 (1)
1-4-P	100	100	0.00	2.000	0.00	0.00	358.38	43.71	8.198 (1)
1-5-P	100	100	0.00	2.000	0.00	0.00	358.38	10.01	35.796 (1)
1-6-P	100	100	0.00	2.000	0.00	0.00	358.38	10.01	35.796 (1)
1-7-P	100	100	0.00	2.000	0.00	0.00	358.38	10.01	35.796 (1)
1-8-P	100	100	0.00	2.000	0.00	0.00	358.38	10.01	35.796 (1)
1-9-P	100	100	0.00	2.000	0.00	0.00	358.38	66.87	5.359 (1)
1-10-P	100	100	0.00	2.000	0.00	0.00	358.38	66.87	5.359 (1)
1-11-P	100	100	0.00	2.000	0.00	0.00	358.38	66.87	5.359 (1)
1-12-P	100	100	0.00	2.000	0.00	0.00	358.38	66.87	5.359 (1)
1-13-P	100	100	0.00	2.000	0.00	0.00	358.38	17.35	20.655 (1)
1-14-P	100	100	0.00	2.000	0.00	0.00	358.38	17.35	20.655 (1)
1-15-P	100	100	0.00	2.000	0.00	0.00	358.38	17.35	20.655 (1)
1-16-P	100	100	0.00	2.000	0.00	0.00	358.38	17.35	20.655 (1)
1-17-P	100	100	0.00	2.000	0.00	0.00	358.38	17.35	20.655 (1)
1-18-P	100	100	0.00	2.000	0.00	0.00	358.38	68.80	5.209 (1)
1-19-P	100	100	0.00	2.000	0.00	0.00	358.38	68.80	5.209 (1)
1-20-P	100	100	0.00	2.000	0.00	0.00	358.38	68.80	5.209 (1)
1-21-P	100	100	0.00	2.000	0.00	0.00	358.38	68.80	5.209 (1)
1-22-P	100	100	0.00	2.000	0.00	0.00	358.38	22.22	16.126 (1)
1-23-P	100	100	0.00	2.000	0.00	0.00	358.38	22.22	16.126 (1)
1-24-P	100	100	0.00	2.000	0.00	0.00	358.38	22.22	16.126 (1)
1-25-P	100	100	0.00	2.000	0.00	0.00	358.38	22.22	16.126 (1)
1-26-P	100	100	0.00	2.000	0.00	0.00	358.38	22.22	16.126 (1)
1-27-P	100	100	0.00	2.000	0.00	0.00	358.38	37.34	9.598 (1)
1-28-P	100	100	0.00	2.000	0.00	0.00	358.38	37.34	9.598 (1)
1-29-P	100	100	0.00	2.000	0.00	0.00	358.38	37.34	9.598 (1)
1-30-P	100	100	0.00	2.000	0.00	0.00	358.38	37.34	9.598 (1)
1-31-P	100	100	0.00	2.000	0.00	0.00	358.38	37.34	9.598 (1)
1-32-P	100	100	0.00	2.000	0.00	0.00	358.38	132.27	2.709 (1)
1-33-P	100	100	0.00	2.000	0.00	0.00	358.38	132.27	2.709 (1)
1-34-P	100	100	0.00	2.000	0.00	0.00	358.38	132.27	2.709 (1)
1-35-P	100	100	0.00	2.000	0.00	0.00	358.38	238.59	1.502 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
1-36-P	100	100	0.00	2.000	0.00	0.00	358.38	0.01	100.000 (1)
1-37-P	100	100	0.00	2.000	0.00	0.00	358.38	0.01	100.000 (1)
1-38-P	100	100	0.00	2.000	0.00	0.00	358.38	0.01	100.000 (1)
1-39-P	100	100	0.00	2.000	0.00	0.00	358.38	0.01	100.000 (1)
1-40-P	100	100	0.00	2.000	0.00	0.00	358.38	24.79	14.458 (1)
1-41-P	100	100	0.00	2.000	0.00	0.00	358.38	9.02	39.735 (1)
1-42-P	100	100	0.00	2.000	0.00	0.00	358.38	9.02	39.735 (1)
1-43-P	100	100	0.00	2.000	0.00	0.00	358.38	9.02	39.735 (1)
1-44-P	100	100	0.00	2.000	0.00	0.00	358.38	19.15	18.719 (1)
1-45-P	100	100	0.00	2.000	0.00	0.00	358.38	19.15	18.719 (1)
1-46-P	100	100	0.00	2.000	0.00	0.00	358.38	17.52	20.453 (1)
1-47-P	100	100	0.00	2.000	0.00	0.00	358.38	17.52	20.453 (1)
1-48-P	100	100	0.00	2.000	0.00	0.00	358.38	238.58	1.502 (1)
1-49-P	100	100	0.00	2.000	0.00	0.00	358.38	238.58	1.502 (1)
1-50-P	100	100	0.00	2.000	0.00	0.00	358.38	238.58	1.502 (1)
1-51-P	100	100	0.00	2.000	0.00	0.00	358.38	238.58	1.502 (1)
1-52-P	100	100	0.00	2.000	0.00	0.00	358.38	70.51	5.083 (1)
1-53-P	100	100	0.00	2.000	0.00	0.00	358.38	70.51	5.083 (1)
1-54-P	100	100	0.00	2.000	0.00	0.00	358.38	70.51	5.083 (1)
1-55-P	100	100	0.00	2.000	0.00	0.00	358.38	70.51	5.083 (1)
1-56-P	100	100	0.00	2.000	0.00	0.00	358.38	70.51	5.083 (1)
1-57-P	100	100	0.00	2.000	0.00	0.00	358.38	14.08	25.457 (1)
1-58-P	100	100	0.00	2.000	0.00	0.00	358.38	14.08	25.457 (1)
1-59-P	100	100	0.00	2.000	0.00	0.00	358.38	14.08	25.457 (1)
1-60-P	100	100	0.00	2.000	0.00	0.00	358.38	14.08	25.457 (1)
1-61-P	100	100	0.00	2.000	0.00	0.00	358.38	275.02	1.303 (1)
1-62-P	100	100	0.00	2.000	0.00	0.00	358.38	275.02	1.303 (1)
1-63-P	100	100	0.00	2.000	0.00	0.00	358.38	275.02	1.303 (1)
1-64-P	100	100	0.00	2.000	0.00	0.00	358.38	275.02	1.303 (1)
1-65-P	100	100	0.00	2.000	0.00	0.00	358.38	71.60	5.006 (1)
1-66-P	100	100	0.00	2.000	0.00	0.00	358.38	71.60	5.006 (1)
1-67-P	100	100	0.00	2.000	0.00	0.00	358.38	71.60	5.006 (1)
1-68-P	100	100	0.00	2.000	0.00	0.00	358.38	71.60	5.006 (1)
1-69-P	100	100	0.00	2.000	0.00	0.00	358.38	68.10	5.262 (1)
1-70-P	100	100	0.00	2.000	0.00	0.00	358.38	68.10	5.262 (1)
1-71-P	100	100	0.00	2.000	0.00	0.00	358.38	68.10	5.262 (1)
1-72-P	100	100	0.00	2.000	0.00	0.00	358.38	68.10	5.262 (1)
1-73-P	100	100	0.00	2.000	0.00	0.00	358.38	43.71	8.198 (1)
1-74-P	100	100	0.00	2.000	0.00	0.00	358.38	43.71	8.198 (1)
1-75-P	100	100	0.00	2.000	0.00	0.00	358.38	43.71	8.198 (1)
1-76-P	100	100	0.00	2.000	0.00	0.00	358.38	43.71	8.198 (1)
1-77-P	100	100	0.00	2.000	0.00	0.00	358.38	51.00	7.027 (1)
1-78-P	100	100	0.00	2.000	0.00	0.00	358.38	51.00	7.027 (1)
1-79-P	100	100	0.00	2.000	0.00	0.00	358.38	51.00	7.027 (1)
1-80-P	100	100	0.00	2.000	0.00	0.00	358.38	51.00	7.027 (1)
1-81-P	100	100	0.00	2.000	0.00	0.00	358.38	51.00	7.027 (1)
3-1-P	100	100	0.00	2.000	0.00	0.00	346.60	8.50	40.777 (1)
3-2-P	100	100	0.00	2.000	0.00	0.00	346.60	8.50	40.777 (1)
3-3-P	100	100	0.00	2.000	0.00	0.00	346.60	8.50	40.777 (1)
3-4-P	100	100	0.00	2.000	0.00	0.00	346.60	8.50	40.777 (1)
3-5-P	100	100	0.00	2.000	0.00	0.00	346.60	0.00	100.000 (1)
3-6-P	100	100	0.00	2.000	0.00	0.00	346.60	0.00	100.000 (1)
3-7-P	100	100	0.00	2.000	0.00	0.00	346.60	0.00	100.000 (1)
3-8-P	100	100	0.00	2.000	0.00	0.00	346.60	0.00	100.000 (1)
3-9-P	100	100	0.00	2.000	0.00	0.00	346.60	0.00	100.000 (1)
3-10-P	100	100	0.00	2.000	0.00	0.00	346.60	0.00	100.000 (1)
3-11-P	100	100	0.00	2.000	0.00	0.00	346.60	0.00	100.000 (1)
3-12-P	100	100	0.00	2.000	0.00	0.00	346.60	0.00	100.000 (1)
3-13-P	100	100	0.00	2.000	0.00	0.00	346.60	6.01	57.645 (1)
3-14-P	100	100	0.00	2.000	0.00	0.00	346.60	6.01	57.645 (1)
3-15-P	100	100	0.00	2.000	0.00	0.00	346.60	6.01	57.645 (1)
3-16-P	100	100	0.00	2.000	0.00	0.00	346.60	6.01	57.645 (1)
3-17-P	100	100	0.00	2.000	0.00	0.00	346.60	6.01	57.645 (1)
3-18-P	100	100	0.00	2.000	0.00	0.00	346.60	0.00	100.000 (1)
3-19-P	100	100	0.00	2.000	0.00	0.00	346.60	0.00	100.000 (1)
3-20-P	100	100	0.00	2.000	0.00	0.00	346.60	0.00	100.000 (1)
3-21-P	100	100	0.00	2.000	0.00	0.00	346.60	0.00	100.000 (1)
3-22-P	100	100	0.00	2.000	0.00	0.00	346.60	15.02	23.082 (1)
3-23-P	100	100	0.00	2.000	0.00	0.00	346.60	15.02	23.082 (1)
3-24-P	100	100	0.00	2.000	0.00	0.00	346.60	15.02	23.082 (1)
3-25-P	100	100	0.00	2.000	0.00	0.00	346.60	15.02	23.082 (1)
3-26-P	100	100	0.00	2.000	0.00	0.00	346.60	14.08	24.614 (1)
3-27-P	100	100	0.00	2.000	0.00	0.00	346.60	14.08	24.614 (1)
3-28-P	100	100	0.00	2.000	0.00	0.00	346.60	14.08	24.614 (1)
3-29-P	100	100	0.00	2.000	0.00	0.00	346.60	14.08	24.614 (1)
3-30-P	100	100	0.00	2.000	0.00	0.00	346.60	3.62	95.839 (1)
3-31-P	100	100	0.00	2.000	0.00	0.00	346.60	3.62	95.839 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
3-32-P	100	100	0.00	2.000	0.00	0.00	346.60	3.62	95.839 (1)
3-33-P	100	100	0.00	2.000	0.00	0.00	346.60	3.62	95.839 (1)
3-34-P	100	100	0.00	2.000	0.00	0.00	346.60	3.62	95.839 (1)
3-35-P	100	100	0.00	2.000	0.00	0.00	346.60	26.04	13.308 (1)
3-36-P	100	100	0.00	2.000	0.00	0.00	346.60	26.04	13.308 (1)
3-37-P	100	100	0.00	2.000	0.00	0.00	346.60	26.04	13.308 (1)
3-38-P	100	100	0.00	2.000	0.00	0.00	346.60	26.04	13.308 (1)
3-39-P	100	100	0.00	2.000	0.00	0.00	346.60	8.50	40.777 (1)
3-40-P	100	100	0.00	2.000	0.00	0.00	346.60	8.50	40.777 (1)
3-41-P	100	100	0.00	2.000	0.00	0.00	346.60	8.50	40.777 (1)
3-42-P	100	100	0.00	2.000	0.00	0.00	346.60	8.50	40.777 (1)
3-43-P	100	100	0.00	2.000	0.00	0.00	346.60	26.04	13.308 (1)
3-44-P	100	100	0.00	2.000	0.00	0.00	346.60	12.69	27.312 (1)
3-45-P	100	100	0.00	2.000	0.00	0.00	346.60	12.69	27.312 (1)
3-46-P	100	100	0.00	2.000	0.00	0.00	346.60	12.69	27.312 (1)
3-47-P	100	100	0.00	2.000	0.00	0.00	346.60	0.00	100.000 (1)
3-48-P	100	100	0.00	2.000	0.00	0.00	346.60	13.95	24.846 (1)
3-49-P	100	100	0.00	2.000	0.00	0.00	346.60	13.95	24.846 (1)
3-50-P	100	100	0.00	2.000	0.00	0.00	346.60	13.95	24.846 (1)
3-51-P	100	100	0.00	2.000	0.00	0.00	346.60	9.61	36.080 (1)
3-52-P	100	100	0.00	2.000	0.00	0.00	346.60	13.89	24.955 (1)
3-53-P	100	100	0.00	2.000	0.00	0.00	346.60	13.89	24.955 (1)
3-54-P	100	100	0.00	2.000	0.00	0.00	346.60	13.89	24.955 (1)
3-55-P	100	100	0.00	2.000	0.00	0.00	346.60	24.82	13.964 (1)
3-56-P	100	100	0.00	2.000	0.00	0.00	346.60	14.08	24.614 (1)
3-57-P	100	100	0.00	2.000	0.00	0.00	346.60	23.55	14.716 (1)
3-58-P	100	100	0.00	2.000	0.00	0.00	346.60	23.55	14.716 (1)
3-59-P	100	100	0.00	2.000	0.00	0.00	346.60	0.00	100.000 (1)
3-60-P	100	100	0.00	2.000	0.00	0.00	346.60	0.00	100.000 (1)
3-61-P	100	100	0.00	2.000	0.00	0.00	346.60	13.33	26.010 (1)
3-62-P	100	100	0.00	2.000	0.00	0.00	346.60	13.33	26.010 (1)
3-63-P	100	100	0.00	2.000	0.00	0.00	346.60	4.45	77.826 (1)
3-64-P	100	100	0.00	2.000	0.00	0.00	346.60	4.45	77.826 (1)
3-65-P	100	100	0.00	2.000	0.00	0.00	346.60	23.51	14.743 (1)
3-66-P	100	100	0.00	2.000	0.00	0.00	346.60	23.51	14.743 (1)
3-67-P	100	100	0.00	2.000	0.00	0.00	346.60	23.51	14.743 (1)
3-68-P	100	100	0.00	2.000	0.00	0.00	346.60	15.60	22.213 (1)
3-69-P	100	100	0.00	2.000	0.00	0.00	346.60	52.22	6.637 (1)
3-70-P	100	100	0.00	2.000	0.00	0.00	346.60	52.22	6.637 (1)
3-71-P	100	100	0.00	2.000	0.00	0.00	346.60	52.22	6.637 (1)
3-72-P	100	100	0.00	2.000	0.00	0.00	346.60	0.00	100.000 (1)
3-73-P	100	100	0.00	2.000	0.00	0.00	346.60	57.96	5.980 (1)
3-74-P	100	100	0.00	2.000	0.00	0.00	346.60	57.96	5.980 (1)
3-75-P	100	100	0.00	2.000	0.00	0.00	346.60	57.96	5.980 (1)
3-76-P	100	100	0.00	2.000	0.00	0.00	346.60	0.00	100.000 (1)
3-77-P	100	100	0.00	2.000	0.00	0.00	346.60	9.21	37.613 (1)
3-78-P	100	100	0.00	2.000	0.00	0.00	346.60	9.21	37.613 (1)
3-79-P	100	100	0.00	2.000	0.00	0.00	346.60	9.21	37.613 (1)
3-80-P	100	100	0.00	2.000	0.00	0.00	346.60	9.21	37.613 (1)
3-81-P	100	100	0.00	2.000	0.00	0.00	346.60	9.21	37.613 (1)
4-1-P	100	100	0.00	2.000	0.00	0.00	346.60	11.13	31.130 (1)
4-2-P	100	100	0.00	2.000	0.00	0.00	346.60	11.13	31.130 (1)
4-3-P	100	100	0.00	2.000	0.00	0.00	346.60	11.13	31.130 (1)
4-4-P	100	100	0.00	2.000	0.00	0.00	346.60	11.13	31.130 (1)
4-5-P	100	100	0.00	2.000	0.00	0.00	346.60	53.45	6.484 (1)
4-6-P	100	100	0.00	2.000	0.00	0.00	346.60	53.45	6.484 (1)
4-7-P	100	100	0.00	2.000	0.00	0.00	346.60	53.45	6.484 (1)
4-8-P	100	100	0.00	2.000	0.00	0.00	346.60	53.45	6.484 (1)
4-9-P	100	100	0.00	2.000	0.00	0.00	346.60	95.08	3.645 (1)
4-10-P	100	100	0.00	2.000	0.00	0.00	346.60	95.08	3.645 (1)
4-11-P	100	100	0.00	2.000	0.00	0.00	346.60	95.08	3.645 (1)
4-12-P	100	100	0.00	2.000	0.00	0.00	346.60	95.08	3.645 (1)
4-13-P	100	100	0.00	2.000	0.00	0.00	346.60	125.74	2.756 (1)
4-14-P	100	100	0.00	2.000	0.00	0.00	346.60	125.74	2.756 (1)
4-15-P	100	100	0.00	2.000	0.00	0.00	346.60	125.74	2.756 (1)
4-16-P	100	100	0.00	2.000	0.00	0.00	346.60	125.74	2.756 (1)
4-17-P	100	100	0.00	2.000	0.00	0.00	346.60	125.74	2.756 (1)
4-18-P	100	100	0.00	2.000	0.00	0.00	346.60	90.55	3.828 (1)
4-19-P	100	100	0.00	2.000	0.00	0.00	346.60	90.55	3.828 (1)
4-20-P	100	100	0.00	2.000	0.00	0.00	346.60	90.55	3.828 (1)
4-21-P	100	100	0.00	2.000	0.00	0.00	346.60	90.55	3.828 (1)
4-22-P	100	100	0.00	2.000	0.00	0.00	346.60	9.97	34.753 (1)
4-23-P	100	100	0.00	2.000	0.00	0.00	346.60	9.97	34.753 (1)
4-24-P	100	100	0.00	2.000	0.00	0.00	346.60	9.97	34.753 (1)
4-25-P	100	100	0.00	2.000	0.00	0.00	346.60	9.97	34.753 (1)
4-26-P	100	100	0.00	2.000	0.00	0.00	346.60	194.80	1.779 (1)
4-27-P	100	100	0.00	2.000	0.00	0.00	346.60	194.80	1.779 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
4-28-P	100	100	0.00	2.000	0.00	0.00	346.60	194.80	1.779 (1)
4-29-P	100	100	0.00	2.000	0.00	0.00	346.60	194.80	1.779 (1)
4-30-P	100	100	0.00	2.000	0.00	0.00	346.60	97.76	3.546 (1)
4-31-P	100	100	0.00	2.000	0.00	0.00	346.60	97.76	3.546 (1)
4-32-P	100	100	0.00	2.000	0.00	0.00	346.60	97.76	3.546 (1)
4-33-P	100	100	0.00	2.000	0.00	0.00	346.60	97.76	3.546 (1)
4-34-P	100	100	0.00	2.000	0.00	0.00	346.60	97.76	3.546 (1)
4-35-P	100	100	0.00	2.000	0.00	0.00	346.60	19.04	18.204 (1)
4-36-P	100	100	0.00	2.000	0.00	0.00	346.60	19.04	18.204 (1)
4-37-P	100	100	0.00	2.000	0.00	0.00	346.60	19.04	18.204 (1)
4-38-P	100	100	0.00	2.000	0.00	0.00	346.60	19.04	18.204 (1)
4-39-P	100	100	0.00	2.000	0.00	0.00	346.60	192.13	1.804 (1)
4-40-P	100	100	0.00	2.000	0.00	0.00	346.60	192.13	1.804 (1)
4-41-P	100	100	0.00	2.000	0.00	0.00	346.60	192.13	1.804 (1)
4-42-P	100	100	0.00	2.000	0.00	0.00	346.60	192.13	1.804 (1)
4-43-P	100	100	0.00	2.000	0.00	0.00	346.60	19.04	18.204 (1)
4-44-P	100	100	0.00	2.000	0.00	0.00	346.60	9.10	38.081 (1)
4-45-P	100	100	0.00	2.000	0.00	0.00	346.60	9.10	38.081 (1)
4-46-P	100	100	0.00	2.000	0.00	0.00	346.60	9.10	38.081 (1)
4-47-P	100	100	0.00	2.000	0.00	0.00	346.60	0.00	100.000 (1)
4-48-P	100	100	0.00	2.000	0.00	0.00	346.60	11.13	31.130 (1)
4-49-P	100	100	0.00	2.000	0.00	0.00	346.60	11.13	31.130 (1)
4-50-P	100	100	0.00	2.000	0.00	0.00	346.60	11.13	31.130 (1)
4-51-P	100	100	0.00	2.000	0.00	0.00	346.60	197.55	1.754 (1)
4-52-P	100	100	0.00	2.000	0.00	0.00	346.60	116.58	2.973 (1)
4-53-P	100	100	0.00	2.000	0.00	0.00	346.60	116.58	2.973 (1)
4-54-P	100	100	0.00	2.000	0.00	0.00	346.60	116.58	2.973 (1)
4-55-P	100	100	0.00	2.000	0.00	0.00	346.60	16.96	20.441 (1)
4-56-P	100	100	0.00	2.000	0.00	0.00	346.60	16.96	20.441 (1)
4-57-P	100	100	0.00	2.000	0.00	0.00	346.60	22.10	15.683 (1)
4-58-P	100	100	0.00	2.000	0.00	0.00	346.60	22.10	15.683 (1)
4-59-P	100	100	0.00	2.000	0.00	0.00	346.60	0.00	100.000 (1)
4-60-P	100	100	0.00	2.000	0.00	0.00	346.60	0.00	100.000 (1)
4-61-P	100	100	0.00	2.000	0.00	0.00	346.60	13.33	25.995 (1)
4-62-P	100	100	0.00	2.000	0.00	0.00	346.60	13.33	25.995 (1)
4-63-P	100	100	0.00	2.000	0.00	0.00	346.60	191.34	1.811 (1)
4-64-P	100	100	0.00	2.000	0.00	0.00	346.60	191.34	1.811 (1)
4-65-P	100	100	0.00	2.000	0.00	0.00	346.60	125.74	2.756 (1)
4-66-P	100	100	0.00	2.000	0.00	0.00	346.60	125.74	2.756 (1)
4-67-P	100	100	0.00	2.000	0.00	0.00	346.60	125.74	2.756 (1)
4-68-P	100	100	0.00	2.000	0.00	0.00	346.60	125.74	2.756 (1)
4-69-P	100	100	0.00	2.000	0.00	0.00	346.60	39.90	8.686 (1)
4-70-P	100	100	0.00	2.000	0.00	0.00	346.60	39.90	8.686 (1)
4-71-P	100	100	0.00	2.000	0.00	0.00	346.60	39.90	8.686 (1)
4-72-P	100	100	0.00	2.000	0.00	0.00	346.60	39.90	8.686 (1)
4-73-P	100	100	0.00	2.000	0.00	0.00	346.60	53.45	6.484 (1)
4-74-P	100	100	0.00	2.000	0.00	0.00	346.60	53.45	6.484 (1)
4-75-P	100	100	0.00	2.000	0.00	0.00	346.60	53.45	6.484 (1)
4-76-P	100	100	0.00	2.000	0.00	0.00	346.60	53.45	6.484 (1)
4-77-P	100	100	0.00	2.000	0.00	0.00	346.60	11.15	31.077 (1)
4-78-P	100	100	0.00	2.000	0.00	0.00	346.60	11.15	31.077 (1)
4-79-P	100	100	0.00	2.000	0.00	0.00	346.60	11.15	31.077 (1)
4-80-P	100	100	0.00	2.000	0.00	0.00	346.60	11.15	31.077 (1)
4-81-P	100	100	0.00	2.000	0.00	0.00	346.60	11.15	31.077 (1)
5-1-P	100	100	0.00	2.000	0.00	0.00	358.38	6.26	57.279 (1)
5-2-P	100	100	0.00	2.000	0.00	0.00	358.38	6.26	57.279 (1)
5-3-P	100	100	0.00	2.000	0.00	0.00	358.38	6.26	57.279 (1)
5-4-P	100	100	0.00	2.000	0.00	0.00	358.38	6.26	57.279 (1)
5-5-P	100	100	0.00	2.000	0.00	0.00	358.38	0.00	100.000 (1)
5-6-P	100	100	0.00	2.000	0.00	0.00	358.38	0.00	100.000 (1)
5-7-P	100	100	0.00	2.000	0.00	0.00	358.38	0.00	100.000 (1)
5-8-P	100	100	0.00	2.000	0.00	0.00	358.38	0.00	100.000 (1)
5-9-P	100	100	0.00	2.000	0.00	0.00	358.38	66.13	5.420 (1)
5-10-P	100	100	0.00	2.000	0.00	0.00	358.38	66.13	5.420 (1)
5-11-P	100	100	0.00	2.000	0.00	0.00	358.38	66.13	5.420 (1)
5-12-P	100	100	0.00	2.000	0.00	0.00	358.38	66.13	5.420 (1)
5-13-P	100	100	0.00	2.000	0.00	0.00	358.38	77.54	4.622 (1)
5-14-P	100	100	0.00	2.000	0.00	0.00	358.38	77.54	4.622 (1)
5-15-P	100	100	0.00	2.000	0.00	0.00	358.38	77.54	4.622 (1)
5-16-P	100	100	0.00	2.000	0.00	0.00	358.38	77.54	4.622 (1)
5-17-P	100	100	0.00	2.000	0.00	0.00	358.38	77.54	4.622 (1)
5-18-P	100	100	0.00	2.000	0.00	0.00	358.38	38.85	9.224 (1)
5-19-P	100	100	0.00	2.000	0.00	0.00	358.38	38.85	9.224 (1)
5-20-P	100	100	0.00	2.000	0.00	0.00	358.38	38.85	9.224 (1)
5-21-P	100	100	0.00	2.000	0.00	0.00	358.38	38.85	9.224 (1)
5-22-P	100	100	0.00	2.000	0.00	0.00	358.38	7.81	45.866 (1)
5-23-P	100	100	0.00	2.000	0.00	0.00	358.38	7.81	45.866 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
5-24-P	100	100	0.00	2.000	0.00	0.00	358.38	7.81	45.866 (1)
5-25-P	100	100	0.00	2.000	0.00	0.00	358.38	7.81	45.866 (1)
5-26-P	100	100	0.00	2.000	0.00	0.00	358.38	105.55	3.395 (1)
5-27-P	100	100	0.00	2.000	0.00	0.00	358.38	105.55	3.395 (1)
5-28-P	100	100	0.00	2.000	0.00	0.00	358.38	105.55	3.395 (1)
5-29-P	100	100	0.00	2.000	0.00	0.00	358.38	105.55	3.395 (1)
5-30-P	100	100	0.00	2.000	0.00	0.00	358.38	42.57	8.418 (1)
5-31-P	100	100	0.00	2.000	0.00	0.00	358.38	42.57	8.418 (1)
5-32-P	100	100	0.00	2.000	0.00	0.00	358.38	42.57	8.418 (1)
5-33-P	100	100	0.00	2.000	0.00	0.00	358.38	42.57	8.418 (1)
5-34-P	100	100	0.00	2.000	0.00	0.00	358.38	42.57	8.418 (1)
5-35-P	100	100	0.00	2.000	0.00	0.00	358.38	3.92	91.532 (1)
5-36-P	100	100	0.00	2.000	0.00	0.00	358.38	3.92	91.532 (1)
5-37-P	100	100	0.00	2.000	0.00	0.00	358.38	3.92	91.532 (1)
5-38-P	100	100	0.00	2.000	0.00	0.00	358.38	3.92	91.532 (1)
5-39-P	100	100	0.00	2.000	0.00	0.00	358.38	102.61	3.492 (1)
5-40-P	100	100	0.00	2.000	0.00	0.00	358.38	102.61	3.492 (1)
5-41-P	100	100	0.00	2.000	0.00	0.00	358.38	102.61	3.492 (1)
5-42-P	100	100	0.00	2.000	0.00	0.00	358.38	102.61	3.492 (1)
5-43-P	100	100	0.00	2.000	0.00	0.00	358.38	3.92	91.532 (1)
5-44-P	100	100	0.00	2.000	0.00	0.00	358.38	3.96	90.609 (1)
5-45-P	100	100	0.00	2.000	0.00	0.00	358.38	3.96	90.609 (1)
5-46-P	100	100	0.00	2.000	0.00	0.00	358.38	3.96	90.609 (1)
5-47-P	100	100	0.00	2.000	0.00	0.00	358.38	0.00	100.000 (1)
5-48-P	100	100	0.00	2.000	0.00	0.00	358.38	6.94	51.649 (1)
5-49-P	100	100	0.00	2.000	0.00	0.00	358.38	6.94	51.649 (1)
5-50-P	100	100	0.00	2.000	0.00	0.00	358.38	6.94	51.649 (1)
5-51-P	100	100	0.00	2.000	0.00	0.00	358.38	93.25	3.843 (1)
5-52-P	100	100	0.00	2.000	0.00	0.00	358.38	86.01	4.167 (1)
5-53-P	100	100	0.00	2.000	0.00	0.00	358.38	86.01	4.167 (1)
5-54-P	100	100	0.00	2.000	0.00	0.00	358.38	86.01	4.167 (1)
5-55-P	100	100	0.00	2.000	0.00	0.00	358.38	1.17	100.000 (1)
5-56-P	100	100	0.00	2.000	0.00	0.00	358.38	1.17	100.000 (1)
5-57-P	100	100	0.00	2.000	0.00	0.00	358.38	9.48	37.800 (1)
5-58-P	100	100	0.00	2.000	0.00	0.00	358.38	9.48	37.800 (1)
5-59-P	100	100	0.00	2.000	0.00	0.00	358.38	0.00	100.000 (1)
5-60-P	100	100	0.00	2.000	0.00	0.00	358.38	0.00	100.000 (1)
5-61-P	100	100	0.00	2.000	0.00	0.00	358.38	8.84	40.556 (1)
5-62-P	100	100	0.00	2.000	0.00	0.00	358.38	8.84	40.556 (1)
5-63-P	100	100	0.00	2.000	0.00	0.00	358.38	87.71	4.086 (1)
5-64-P	100	100	0.00	2.000	0.00	0.00	358.38	87.71	4.086 (1)
5-65-P	100	100	0.00	2.000	0.00	0.00	358.38	77.54	4.622 (1)
5-66-P	100	100	0.00	2.000	0.00	0.00	358.38	77.54	4.622 (1)
5-67-P	100	100	0.00	2.000	0.00	0.00	358.38	77.54	4.622 (1)
5-68-P	100	100	0.00	2.000	0.00	0.00	358.38	0.00	100.000 (1)
5-69-P	100	100	0.00	2.000	0.00	0.00	358.38	13.08	27.403 (1)
5-70-P	100	100	0.00	2.000	0.00	0.00	358.38	13.08	27.403 (1)
5-71-P	100	100	0.00	2.000	0.00	0.00	358.38	13.08	27.403 (1)
5-72-P	100	100	0.00	2.000	0.00	0.00	358.38	13.08	27.403 (1)
5-73-P	100	100	0.00	2.000	0.00	0.00	358.38	6.26	57.279 (1)
5-74-P	100	100	0.00	2.000	0.00	0.00	358.38	6.26	57.279 (1)
5-75-P	100	100	0.00	2.000	0.00	0.00	358.38	6.26	57.279 (1)
5-76-P	100	100	0.00	2.000	0.00	0.00	358.38	6.26	57.279 (1)
5-77-P	100	100	0.00	2.000	0.00	0.00	358.38	14.34	24.984 (1)
5-78-P	100	100	0.00	2.000	0.00	0.00	358.38	14.34	24.984 (1)
5-79-P	100	100	0.00	2.000	0.00	0.00	358.38	14.34	24.984 (1)
5-80-P	100	100	0.00	2.000	0.00	0.00	358.38	14.34	24.984 (1)
5-81-P	100	100	0.00	2.000	0.00	0.00	358.38	14.34	24.984 (1)
6-1-P	100	100	0.00	2.000	0.00	0.00	346.60	124.14	2.792 (1)
6-2-P	100	100	0.00	2.000	0.00	0.00	346.60	124.14	2.792 (1)
6-3-P	100	100	0.00	2.000	0.00	0.00	346.60	124.14	2.792 (1)
6-4-P	100	100	0.00	2.000	0.00	0.00	346.60	124.14	2.792 (1)
6-5-P	100	100	0.00	2.000	0.00	0.00	346.60	29.05	11.931 (1)
6-6-P	100	100	0.00	2.000	0.00	0.00	346.60	53.90	6.430 (1)
6-7-P	100	100	0.00	2.000	0.00	0.00	346.60	53.90	6.430 (1)
6-8-P	100	100	0.00	2.000	0.00	0.00	346.60	53.90	6.430 (1)
6-9-P	100	100	0.00	2.000	0.00	0.00	346.60	37.27	9.300 (1)
6-10-P	100	100	0.00	2.000	0.00	0.00	346.60	33.59	10.318 (1)
6-11-P	100	100	0.00	2.000	0.00	0.00	346.60	33.59	10.318 (1)
6-12-P	100	100	0.00	2.000	0.00	0.00	346.60	33.59	10.318 (1)
6-13-P	100	100	0.00	2.000	0.00	0.00	346.60	71.64	4.838 (1)
6-14-P	100	100	0.00	2.000	0.00	0.00	346.60	55.47	6.248 (1)
6-15-P	100	100	0.00	2.000	0.00	0.00	346.60	55.47	6.248 (1)
6-16-P	100	100	0.00	2.000	0.00	0.00	346.60	55.47	6.248 (1)
6-17-P	100	100	0.00	2.000	0.00	0.00	346.60	55.47	6.248 (1)
6-18-P	100	100	0.00	2.000	0.00	0.00	346.60	52.23	6.635 (1)
6-19-P	100	100	0.00	2.000	0.00	0.00	346.60	52.23	6.635 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
6-20-P	100	100	0.00	2.000	0.00	0.00	346.60	52.23	6.635 (1)
6-21-P	100	100	0.00	2.000	0.00	0.00	346.60	52.23	6.635 (1)
6-22-P	100	100	0.00	2.000	0.00	0.00	346.60	39.54	8.765 (1)
6-23-P	100	100	0.00	2.000	0.00	0.00	346.60	39.54	8.765 (1)
6-24-P	100	100	0.00	2.000	0.00	0.00	346.60	39.54	8.765 (1)
6-25-P	100	100	0.00	2.000	0.00	0.00	346.60	39.54	8.765 (1)
6-26-P	100	100	0.00	2.000	0.00	0.00	346.60	100.95	3.433 (1)
6-27-P	100	100	0.00	2.000	0.00	0.00	346.60	100.95	3.433 (1)
6-28-P	100	100	0.00	2.000	0.00	0.00	346.60	100.95	3.433 (1)
6-29-P	100	100	0.00	2.000	0.00	0.00	346.60	100.95	3.433 (1)
6-30-P	100	100	0.00	2.000	0.00	0.00	346.60	26.07	13.296 (1)
6-31-P	100	100	0.00	2.000	0.00	0.00	346.60	1.86	100.000 (1)
6-32-P	100	100	0.00	2.000	0.00	0.00	346.60	1.86	100.000 (1)
6-33-P	100	100	0.00	2.000	0.00	0.00	346.60	1.86	100.000 (1)
6-34-P	100	100	0.00	2.000	0.00	0.00	346.60	1.86	100.000 (1)
6-35-P	100	100	0.00	2.000	0.00	0.00	346.60	99.45	3.485 (1)
6-36-P	100	100	0.00	2.000	0.00	0.00	346.60	99.45	3.485 (1)
6-37-P	100	100	0.00	2.000	0.00	0.00	346.60	99.45	3.485 (1)
6-38-P	100	100	0.00	2.000	0.00	0.00	346.60	99.45	3.485 (1)
6-39-P	100	100	0.00	2.000	0.00	0.00	346.60	103.63	3.345 (1)
6-40-P	100	100	0.00	2.000	0.00	0.00	346.60	103.63	3.345 (1)
6-41-P	100	100	0.00	2.000	0.00	0.00	346.60	103.63	3.345 (1)
6-42-P	100	100	0.00	2.000	0.00	0.00	346.60	103.63	3.345 (1)
6-43-P	100	100	0.00	2.000	0.00	0.00	346.60	45.26	7.658 (1)
6-44-P	100	100	0.00	2.000	0.00	0.00	346.60	48.97	7.078 (1)
6-45-P	100	100	0.00	2.000	0.00	0.00	346.60	48.97	7.078 (1)
6-46-P	100	100	0.00	2.000	0.00	0.00	346.60	48.97	7.078 (1)
6-47-P	100	100	0.00	2.000	0.00	0.00	346.60	48.97	7.078 (1)
6-48-P	100	100	0.00	2.000	0.00	0.00	346.60	26.07	13.296 (1)
6-49-P	100	100	0.00	2.000	0.00	0.00	346.60	26.07	13.296 (1)
6-50-P	100	100	0.00	2.000	0.00	0.00	346.60	26.07	13.296 (1)
6-51-P	100	100	0.00	2.000	0.00	0.00	346.60	26.07	13.296 (1)
6-52-P	100	100	0.00	2.000	0.00	0.00	346.60	28.16	12.308 (1)
6-53-P	100	100	0.00	2.000	0.00	0.00	346.60	28.16	12.308 (1)
6-54-P	100	100	0.00	2.000	0.00	0.00	346.60	28.16	12.308 (1)
6-55-P	100	100	0.00	2.000	0.00	0.00	346.60	28.16	12.308 (1)
6-56-P	100	100	0.00	2.000	0.00	0.00	346.60	39.54	8.765 (1)
6-57-P	100	100	0.00	2.000	0.00	0.00	346.60	82.93	4.179 (1)
6-58-P	100	100	0.00	2.000	0.00	0.00	346.60	82.93	4.179 (1)
6-59-P	100	100	0.00	2.000	0.00	0.00	346.60	82.93	4.179 (1)
6-60-P	100	100	0.00	2.000	0.00	0.00	346.60	82.93	4.179 (1)
6-61-P	100	100	0.00	2.000	0.00	0.00	346.60	1.09	100.000 (1)
6-62-P	100	100	0.00	2.000	0.00	0.00	346.60	1.09	100.000 (1)
6-63-P	100	100	0.00	2.000	0.00	0.00	346.60	1.09	100.000 (1)
6-64-P	100	100	0.00	2.000	0.00	0.00	346.60	1.09	100.000 (1)
6-65-P	100	100	0.00	2.000	0.00	0.00	346.60	20.56	16.861 (1)
6-66-P	100	100	0.00	2.000	0.00	0.00	346.60	20.56	16.861 (1)
6-67-P	100	100	0.00	2.000	0.00	0.00	346.60	20.56	16.861 (1)
6-68-P	100	100	0.00	2.000	0.00	0.00	346.60	20.56	16.861 (1)
6-69-P	100	100	0.00	2.000	0.00	0.00	346.60	37.27	9.300 (1)
6-70-P	100	100	0.00	2.000	0.00	0.00	346.60	37.27	9.300 (1)
6-71-P	100	100	0.00	2.000	0.00	0.00	346.60	37.27	9.300 (1)
6-72-P	100	100	0.00	2.000	0.00	0.00	346.60	37.27	9.300 (1)
6-73-P	100	100	0.00	2.000	0.00	0.00	346.60	0.59	100.000 (1)
6-74-P	100	100	0.00	2.000	0.00	0.00	346.60	0.59	100.000 (1)
6-75-P	100	100	0.00	2.000	0.00	0.00	346.60	0.59	100.000 (1)
6-76-P	100	100	0.00	2.000	0.00	0.00	346.60	0.59	100.000 (1)
6-77-P	100	100	0.00	2.000	0.00	0.00	346.60	118.29	2.930 (1)
6-78-P	100	100	0.00	2.000	0.00	0.00	346.60	118.29	2.930 (1)
6-79-P	100	100	0.00	2.000	0.00	0.00	346.60	118.29	2.930 (1)
6-80-P	100	100	0.00	2.000	0.00	0.00	346.60	118.29	2.930 (1)
6-81-P	100	100	0.00	2.000	0.00	0.00	346.60	118.29	2.930 (1)
7-1-P	100	100	0.00	2.000	0.00	0.00	346.59	46.92	7.387 (1)
7-2-P	100	100	0.00	2.000	0.00	0.00	346.59	46.92	7.387 (1)
7-3-P	100	100	0.00	2.000	0.00	0.00	346.59	46.92	7.387 (1)
7-4-P	100	100	0.00	2.000	0.00	0.00	346.59	46.92	7.387 (1)
7-5-P	100	100	0.00	2.000	0.00	0.00	346.59	52.65	6.582 (1)
7-6-P	100	100	0.00	2.000	0.00	0.00	346.59	52.65	6.582 (1)
7-7-P	100	100	0.00	2.000	0.00	0.00	346.59	52.65	6.582 (1)
7-8-P	100	100	0.00	2.000	0.00	0.00	346.59	52.65	6.582 (1)
7-9-P	100	100	0.00	2.000	0.00	0.00	346.59	121.59	2.851 (1)
7-10-P	100	100	0.00	2.000	0.00	0.00	346.59	121.59	2.851 (1)
7-11-P	100	100	0.00	2.000	0.00	0.00	346.59	121.59	2.851 (1)
7-12-P	100	100	0.00	2.000	0.00	0.00	346.59	121.59	2.851 (1)
7-13-P	100	100	0.00	2.000	0.00	0.00	346.59	62.45	5.550 (1)
7-14-P	100	100	0.00	2.000	0.00	0.00	346.59	58.96	5.878 (1)
7-15-P	100	100	0.00	2.000	0.00	0.00	346.59	58.96	5.878 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
7-16-P	100	100	0.00	2.000	0.00	0.00	346.59	58.96	5.878 (1)
7-17-P	100	100	0.00	2.000	0.00	0.00	346.59	18.14	19.111 (1)
7-18-P	100	100	0.00	2.000	0.00	0.00	346.59	22.82	15.188 (1)
7-19-P	100	100	0.00	2.000	0.00	0.00	346.59	22.82	15.188 (1)
7-20-P	100	100	0.00	2.000	0.00	0.00	346.59	22.82	15.188 (1)
7-21-P	100	100	0.00	2.000	0.00	0.00	346.59	22.82	15.188 (1)
7-22-P	100	100	0.00	2.000	0.00	0.00	346.59	70.52	4.915 (1)
7-23-P	100	100	0.00	2.000	0.00	0.00	346.59	70.52	4.915 (1)
7-24-P	100	100	0.00	2.000	0.00	0.00	346.59	70.52	4.915 (1)
7-25-P	100	100	0.00	2.000	0.00	0.00	346.59	70.52	4.915 (1)
7-26-P	100	100	0.00	2.000	0.00	0.00	346.59	70.52	4.915 (1)
7-27-P	100	100	0.00	2.000	0.00	0.00	346.59	110.41	3.139 (1)
7-28-P	100	100	0.00	2.000	0.00	0.00	346.59	110.41	3.139 (1)
7-29-P	100	100	0.00	2.000	0.00	0.00	346.59	110.41	3.139 (1)
7-30-P	100	100	0.00	2.000	0.00	0.00	346.59	110.41	3.139 (1)
7-31-P	100	100	0.00	2.000	0.00	0.00	346.59	65.28	5.310 (1)
7-32-P	100	100	0.00	2.000	0.00	0.00	346.59	65.28	5.310 (1)
7-33-P	100	100	0.00	2.000	0.00	0.00	346.59	65.28	5.310 (1)
7-34-P	100	100	0.00	2.000	0.00	0.00	346.59	65.28	5.310 (1)
7-35-P	100	100	0.00	2.000	0.00	0.00	346.59	1.59	100.000 (1)
7-36-P	100	100	0.00	2.000	0.00	0.00	346.59	76.12	4.553 (1)
7-37-P	100	100	0.00	2.000	0.00	0.00	346.59	76.12	4.553 (1)
7-38-P	100	100	0.00	2.000	0.00	0.00	346.59	76.12	4.553 (1)
7-39-P	100	100	0.00	2.000	0.00	0.00	346.59	118.50	2.925 (1)
7-40-P	100	100	0.00	2.000	0.00	0.00	346.59	112.50	3.081 (1)
7-41-P	100	100	0.00	2.000	0.00	0.00	346.59	112.50	3.081 (1)
7-42-P	100	100	0.00	2.000	0.00	0.00	346.59	112.50	3.081 (1)
7-43-P	100	100	0.00	2.000	0.00	0.00	346.59	152.23	2.277 (1)
7-44-P	100	100	0.00	2.000	0.00	0.00	346.59	66.61	5.203 (1)
7-45-P	100	100	0.00	2.000	0.00	0.00	346.59	66.61	5.203 (1)
7-46-P	100	100	0.00	2.000	0.00	0.00	346.59	66.61	5.203 (1)
7-47-P	100	100	0.00	2.000	0.00	0.00	346.59	66.61	5.203 (1)
7-48-P	100	100	0.00	2.000	0.00	0.00	346.59	10.37	33.420 (1)
7-49-P	100	100	0.00	2.000	0.00	0.00	346.59	10.37	33.420 (1)
7-50-P	100	100	0.00	2.000	0.00	0.00	346.59	10.37	33.420 (1)
7-51-P	100	100	0.00	2.000	0.00	0.00	346.59	10.37	33.420 (1)
7-52-P	100	100	0.00	2.000	0.00	0.00	346.59	10.37	33.420 (1)
7-53-P	100	100	0.00	2.000	0.00	0.00	346.59	62.18	5.574 (1)
7-54-P	100	100	0.00	2.000	0.00	0.00	346.59	62.18	5.574 (1)
7-55-P	100	100	0.00	2.000	0.00	0.00	346.59	62.18	5.574 (1)
7-56-P	100	100	0.00	2.000	0.00	0.00	346.59	62.18	5.574 (1)
7-57-P	100	100	0.00	2.000	0.00	0.00	346.59	62.18	5.574 (1)
7-58-P	100	100	0.00	2.000	0.00	0.00	346.59	174.54	1.986 (1)
7-59-P	100	100	0.00	2.000	0.00	0.00	346.59	174.54	1.986 (1)
7-60-P	100	100	0.00	2.000	0.00	0.00	346.59	174.54	1.986 (1)
7-61-P	100	100	0.00	2.000	0.00	0.00	346.59	174.54	1.986 (1)
7-62-P	100	100	0.00	2.000	0.00	0.00	346.59	174.54	1.986 (1)
7-63-P	100	100	0.00	2.000	0.00	0.00	346.59	111.17	3.118 (1)
7-64-P	100	100	0.00	2.000	0.00	0.00	346.59	111.17	3.118 (1)
7-65-P	100	100	0.00	2.000	0.00	0.00	346.59	111.17	3.118 (1)
7-66-P	100	100	0.00	2.000	0.00	0.00	346.59	111.17	3.118 (1)
7-67-P	100	100	0.00	2.000	0.00	0.00	346.59	99.40	3.487 (1)
7-68-P	100	100	0.00	2.000	0.00	0.00	346.59	95.87	3.615 (1)
7-69-P	100	100	0.00	2.000	0.00	0.00	346.59	95.87	3.615 (1)
7-70-P	100	100	0.00	2.000	0.00	0.00	346.59	95.87	3.615 (1)
7-71-P	100	100	0.00	2.000	0.00	0.00	346.59	95.87	3.615 (1)
7-72-P	100	100	0.00	2.000	0.00	0.00	346.59	46.92	7.387 (1)
7-73-P	100	100	0.00	2.000	0.00	0.00	346.59	46.92	7.387 (1)
7-74-P	100	100	0.00	2.000	0.00	0.00	346.59	46.92	7.387 (1)
7-75-P	100	100	0.00	2.000	0.00	0.00	346.59	46.92	7.387 (1)
7-76-P	100	100	0.00	2.000	0.00	0.00	346.59	64.04	5.412 (1)
7-77-P	100	100	0.00	2.000	0.00	0.00	346.59	64.04	5.412 (1)
7-78-P	100	100	0.00	2.000	0.00	0.00	346.59	64.04	5.412 (1)
7-79-P	100	100	0.00	2.000	0.00	0.00	346.59	64.04	5.412 (1)
7-80-P	100	100	0.00	2.000	0.00	0.00	346.59	64.04	5.412 (1)
7-81-P	100	100	0.00	2.000	0.00	0.00	346.59	64.04	5.412 (1)
8-1-S	100	100	0.00	2.000	0.00	0.00	358.38	79.99	4.480 (1)
8-2-S	100	100	0.00	2.000	0.00	0.00	358.38	79.99	4.480 (1)
8-3-S	100	100	0.00	2.000	0.00	0.00	358.38	79.99	4.480 (1)
8-4-S	100	100	18.10	2.500	2831.96	1627.52	1627.52	1592.32	1.022 (1)
8-5-S	100	100	18.10	2.500	2831.96	1627.52	1627.52	1592.32	1.022 (1)
8-6-S	100	100	0.00	2.000	0.00	0.00	358.38	348.85	1.027 (1)
8-7-S	100	100	0.00	2.000	0.00	0.00	358.38	348.85	1.027 (1)
8-8-S	100	100	0.00	2.000	0.00	0.00	358.38	348.85	1.027 (1)
8-9-S	100	100	0.00	2.000	0.00	0.00	358.38	348.85	1.027 (1)
8-10-S	100	100	0.00	2.000	0.00	0.00	358.38	348.85	1.027 (1)
8-11-S	100	100	0.00	2.000	0.00	0.00	358.38	15.37	23.318 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
8-12-S	100	100	9.05	2.500	2831.96	813.76	813.76	620.86	1.311 (1)
8-13-S	100	100	9.05	2.500	2831.96	813.76	813.76	620.86	1.311 (1)
8-14-S	100	100	9.05	2.500	2831.96	813.76	813.76	620.86	1.311 (1)
8-15-S	100	100	0.00	2.000	0.00	0.00	358.38	0.00	100.000 (1)
8-16-S	100	100	0.00	2.000	0.00	0.00	358.38	0.00	100.000 (1)
8-17-S	100	100	9.05	2.500	2831.96	813.76	813.76	559.36	1.455 (1)
8-18-S	100	100	0.00	2.000	0.00	0.00	358.38	79.59	4.503 (1)
8-19-S	100	100	0.00	2.000	0.00	0.00	358.38	79.59	4.503 (1)
8-20-S	100	100	0.00	2.000	0.00	0.00	358.38	79.59	4.503 (1)
8-21-S	100	100	0.00	2.000	0.00	0.00	358.38	79.59	4.503 (1)
8-22-S	100	100	0.00	2.000	0.00	0.00	358.38	309.93	1.156 (1)
8-23-S	100	100	9.05	2.500	2831.96	813.76	813.76	523.92	1.553 (1)
8-24-S	100	100	9.05	2.500	2831.96	813.76	813.76	347.03	2.345 (1)
8-25-S	100	100	9.05	2.500	2831.96	813.76	813.76	347.03	2.345 (1)
8-26-S	100	100	9.05	2.500	2831.96	813.76	813.76	347.03	2.345 (1)
9-1-S	100	100	0.00	2.000	0.00	0.00	358.38	77.51	4.624 (1)
9-2-S	100	100	0.00	2.000	0.00	0.00	358.38	77.51	4.624 (1)
9-3-S	100	100	0.00	2.000	0.00	0.00	358.38	77.51	4.624 (1)
9-4-S	100	100	22.62	2.500	2831.96	2034.40	2034.40	1831.00	1.111 (1)
9-5-S	100	100	22.62	2.500	2831.96	2034.40	2034.40	0.00	100.000 (1)
9-6-S	100	100	9.05	2.500	2831.96	813.76	813.76	482.64	1.686 (1)
9-7-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
9-8-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
9-9-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
9-10-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
9-11-S	100	100	9.05	2.500	2831.96	813.76	813.76	447.68	1.818 (1)
9-12-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
9-13-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
9-14-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
9-15-S	100	100	9.05	2.500	2831.96	813.76	813.76	608.45	1.337 (1)
9-16-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
9-17-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
9-18-S	100	100	0.00	2.000	0.00	0.00	358.38	42.08	8.518 (1)
9-19-S	100	100	0.00	2.000	0.00	0.00	358.38	42.08	8.518 (1)
9-20-S	100	100	9.05	2.500	2831.96	813.76	813.76	433.47	1.877 (1)
9-21-S	100	100	9.05	2.500	2831.96	813.76	813.76	433.47	1.877 (1)
9-22-S	100	100	9.05	2.500	2831.96	813.76	813.76	328.67	2.476 (1)
9-23-S	100	100	18.10	2.500	2831.96	1627.52	1627.52	471.10	3.455 (1)
9-24-S	100	100	9.05	2.500	2831.96	813.76	813.76	306.32	2.657 (1)
9-25-S	100	100	9.05	2.500	2831.96	813.76	813.76	306.32	2.657 (1)
9-26-S	100	100	9.05	2.500	2831.96	813.76	813.76	306.32	2.657 (1)
10-1-S	100	100	0.00	2.000	0.00	0.00	377.28	17.34	21.761 (1)
10-2-S	100	100	0.00	2.000	0.00	0.00	377.28	184.54	2.044 (1)
10-3-S	100	100	0.00	2.000	0.00	0.00	377.28	184.54	2.044 (1)
10-4-S	100	100	0.00	2.000	0.00	0.00	377.28	184.54	2.044 (1)
10-5-S	100	100	0.00	2.000	0.00	0.00	377.28	184.54	2.044 (1)
10-6-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
10-7-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
10-8-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
10-9-S	100	100	0.00	2.000	0.00	0.00	377.28	354.04	1.066 (1)
10-10-S	100	100	0.00	2.000	0.00	0.00	377.28	354.04	1.066 (1)
10-11-S	100	100	0.00	2.000	0.00	0.00	377.28	0.00	100.000 (1)
10-12-S	100	100	0.00	2.000	0.00	0.00	377.28	0.00	100.000 (1)
10-13-S	100	100	0.00	2.000	0.00	0.00	377.28	0.00	100.000 (1)
10-14-S	100	100	0.00	2.000	0.00	0.00	377.28	311.96	1.209 (1)
10-15-S	100	100	0.00	2.000	0.00	0.00	377.28	0.00	100.000 (1)
10-16-S	100	100	0.00	2.000	0.00	0.00	377.28	0.00	100.000 (1)
10-17-S	100	100	0.00	2.000	0.00	0.00	377.28	17.34	21.761 (1)
10-18-S	100	100	0.00	2.000	0.00	0.00	377.28	17.34	21.761 (1)
10-19-S	100	100	0.00	2.000	0.00	0.00	377.28	222.94	1.692 (1)
10-20-S	100	100	0.00	2.000	0.00	0.00	377.28	222.94	1.692 (1)
10-21-S	100	100	0.00	2.000	0.00	0.00	377.28	72.92	5.174 (1)
10-22-S	100	100	0.00	2.000	0.00	0.00	377.28	72.92	5.174 (1)
10-23-S	100	100	0.00	2.000	0.00	0.00	377.28	72.92	5.174 (1)
10-24-S	100	100	0.00	2.000	0.00	0.00	377.28	72.92	5.174 (1)
10-25-S	100	100	0.00	2.000	0.00	0.00	377.28	72.92	5.174 (1)
10-26-S	100	100	0.00	2.000	0.00	0.00	377.28	72.92	5.174 (1)
11-1-S	100	100	0.00	2.000	0.00	0.00	377.28	70.83	5.326 (1)
11-2-S	100	100	0.00	2.000	0.00	0.00	377.28	70.83	5.326 (1)
11-3-S	100	100	0.00	2.000	0.00	0.00	377.28	70.83	5.326 (1)
11-4-S	100	100	22.62	2.500	2831.96	2034.40	2034.40	1736.52	1.172 (1)
11-5-S	100	100	22.62	2.500	2831.96	2034.40	2034.40	1736.52	1.172 (1)
11-6-S	100	100	9.05	2.500	2831.96	813.76	813.76	492.03	1.654 (1)
11-7-S	100	100	9.05	2.500	2831.96	813.76	813.76	492.03	1.654 (1)
11-8-S	100	100	9.05	2.500	2831.96	813.76	813.76	492.03	1.654 (1)
11-9-S	100	100	9.05	2.500	2831.96	813.76	813.76	492.03	1.654 (1)
11-10-S	100	100	4.52	2.500	2831.96	406.88	406.88	397.57	1.023 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
11-11-S	100	100	4.52	2.500	2831.96	406.88	406.88	397.57	1.023 (1)
11-12-S	100	100	4.52	2.500	2831.96	406.88	406.88	397.57	1.023 (1)
11-13-S	100	100	4.52	2.500	2831.96	406.88	406.88	397.57	1.023 (1)
11-14-S	100	100	4.52	2.500	2831.96	406.88	406.88	397.57	1.023 (1)
11-15-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
11-16-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
11-17-S	100	100	0.00	2.000	0.00	0.00	377.28	23.28	16.203 (1)
11-18-S	100	100	0.00	2.000	0.00	0.00	377.28	23.28	16.203 (1)
11-19-S	100	100	0.00	2.000	0.00	0.00	377.28	23.28	16.203 (1)
11-20-S	100	100	9.05	2.500	2831.96	813.76	813.76	436.48	1.864 (1)
11-21-S	100	100	0.00	2.000	0.00	0.00	377.28	46.09	8.186 (1)
11-22-S	100	100	9.05	2.500	2831.96	813.76	813.76	328.23	2.479 (1)
11-23-S	100	100	18.10	2.500	2831.96	1627.52	1627.52	464.04	3.507 (1)
11-24-S	100	100	9.05	2.500	2831.96	813.76	813.76	303.33	2.683 (1)
11-25-S	100	100	9.05	2.500	2831.96	813.76	813.76	303.33	2.683 (1)
11-26-S	100	100	9.05	2.500	2831.96	813.76	813.76	303.33	2.683 (1)
12-1-S	100	100	0.00	2.000	0.00	0.00	377.28	72.61	5.196 (1)
12-2-S	100	100	0.00	2.000	0.00	0.00	377.28	72.61	5.196 (1)
12-3-S	100	100	0.00	2.000	0.00	0.00	377.28	72.61	5.196 (1)
12-4-S	100	100	22.62	2.500	2831.96	2034.40	2034.40	1738.12	1.170 (1)
12-5-S	100	100	22.62	2.500	2831.96	2034.40	2034.40	0.00	100.000 (1)
12-6-S	100	100	9.05	2.500	2831.96	813.76	813.76	487.03	1.671 (1)
12-7-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
12-8-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
12-9-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
12-10-S	100	100	4.52	2.500	2831.96	406.88	406.88	396.23	1.027 (1)
12-11-S	100	100	4.52	2.500	2831.96	406.88	406.88	0.00	100.000 (1)
12-12-S	100	100	4.52	2.500	2831.96	406.88	406.88	0.00	100.000 (1)
12-13-S	100	100	4.52	2.500	2831.96	406.88	406.88	0.00	100.000 (1)
12-14-S	100	100	4.52	2.500	2831.96	406.88	406.88	0.00	100.000 (1)
12-15-S	100	100	9.05	2.500	2831.96	813.76	813.76	624.84	1.302 (1)
12-16-S	100	100	9.05	2.500	2831.96	813.76	813.76	624.84	1.302 (1)
12-17-S	100	100	0.00	2.000	0.00	0.00	377.28	19.47	19.377 (1)
12-18-S	100	100	0.00	2.000	0.00	0.00	377.28	19.47	19.377 (1)
12-19-S	100	100	0.00	2.000	0.00	0.00	377.28	19.47	19.377 (1)
12-20-S	100	100	9.05	2.500	2831.96	813.76	813.76	438.94	1.854 (1)
12-21-S	100	100	0.00	2.000	0.00	0.00	377.28	45.14	8.358 (1)
12-22-S	100	100	9.05	2.500	2831.96	813.76	813.76	330.27	2.464 (1)
12-23-S	100	100	18.10	2.500	2831.96	1627.52	1627.52	465.06	3.500 (1)
12-24-S	100	100	9.05	2.500	2831.96	813.76	813.76	304.05	2.676 (1)
12-25-S	100	100	9.05	2.500	2831.96	813.76	813.76	304.05	2.676 (1)
12-26-S	100	100	9.05	2.500	2831.96	813.76	813.76	304.05	2.676 (1)
13-1-S	100	100	0.00	2.000	0.00	0.00	377.28	9.57	39.403 (1)
13-2-S	100	100	0.00	2.000	0.00	0.00	377.28	98.05	3.848 (1)
13-3-S	100	100	0.00	2.000	0.00	0.00	377.28	98.05	3.848 (1)
13-4-S	100	100	0.00	2.000	0.00	0.00	377.28	98.05	3.848 (1)
13-5-S	100	100	0.00	2.000	0.00	0.00	377.28	26.81	14.070 (1)
13-6-S	100	100	9.05	2.500	2831.96	813.76	813.76	444.03	1.833 (1)
13-7-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
13-8-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
13-9-S	100	100	0.00	2.000	0.00	0.00	377.28	349.53	1.079 (1)
13-10-S	100	100	0.00	2.000	0.00	0.00	377.28	349.53	1.079 (1)
13-11-S	100	100	0.00	2.000	0.00	0.00	377.28	0.00	100.000 (1)
13-12-S	100	100	0.00	2.000	0.00	0.00	377.28	0.00	100.000 (1)
13-13-S	100	100	0.00	2.000	0.00	0.00	377.28	0.00	100.000 (1)
13-14-S	100	100	0.00	2.000	0.00	0.00	377.28	320.83	1.176 (1)
13-15-S	100	100	0.00	2.000	0.00	0.00	377.28	320.83	1.176 (1)
13-16-S	100	100	0.00	2.000	0.00	0.00	377.28	0.00	100.000 (1)
13-17-S	100	100	0.00	2.000	0.00	0.00	377.28	9.57	39.403 (1)
13-18-S	100	100	0.00	2.000	0.00	0.00	377.28	9.57	39.403 (1)
13-19-S	100	100	0.00	2.000	0.00	0.00	377.28	231.12	1.632 (1)
13-20-S	100	100	0.00	2.000	0.00	0.00	377.28	231.12	1.632 (1)
13-21-S	100	100	0.00	2.000	0.00	0.00	377.28	70.21	5.374 (1)
13-22-S	100	100	0.00	2.000	0.00	0.00	377.28	70.21	5.374 (1)
13-23-S	100	100	0.00	2.000	0.00	0.00	377.28	70.21	5.374 (1)
13-24-S	100	100	0.00	2.000	0.00	0.00	377.28	70.21	5.374 (1)
13-25-S	100	100	0.00	2.000	0.00	0.00	377.28	70.21	5.374 (1)
13-26-S	100	100	0.00	2.000	0.00	0.00	377.28	70.21	5.374 (1)
14-1-S	100	100	0.00	2.000	0.00	0.00	377.28	77.58	4.863 (1)
14-2-S	100	100	0.00	2.000	0.00	0.00	377.28	77.58	4.863 (1)
14-3-S	100	100	0.00	2.000	0.00	0.00	377.28	77.58	4.863 (1)
14-4-S	100	100	13.57	2.500	2831.96	1220.64	1220.64	960.68	1.271 (1)
14-5-S	100	100	13.57	2.500	2831.96	1220.64	1220.64	0.00	100.000 (1)
14-6-S	100	100	9.05	2.500	2831.96	813.76	813.76	482.02	1.688 (1)
14-7-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
14-8-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
14-9-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Asw [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
14-10-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
14-11-S	100	100	9.05	2.500	2831.96	813.76	813.76	466.69	1.744 (1)
14-12-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
14-13-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
14-14-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
14-15-S	100	100	9.05	2.500	2831.96	813.76	813.76	625.55	1.301 (1)
14-16-S	100	100	0.00	2.000	0.00	0.00	377.28	16.27	23.183 (1)
14-17-S	100	100	0.00	2.000	0.00	0.00	377.28	16.27	23.183 (1)
14-18-S	100	100	0.00	2.000	0.00	0.00	377.28	16.27	23.183 (1)
14-19-S	100	100	0.00	2.000	0.00	0.00	377.28	16.27	23.183 (1)
14-20-S	100	100	9.05	2.500	2831.96	813.76	813.76	440.82	1.846 (1)
14-21-S	100	100	0.00	2.000	0.00	0.00	377.28	44.67	8.446 (1)
14-22-S	100	100	9.05	2.500	2831.96	813.76	813.76	332.00	2.451 (1)
14-23-S	100	100	18.10	2.500	2831.96	1627.52	1627.52	466.99	3.485 (1)
14-24-S	100	100	9.05	2.500	2831.96	813.76	813.76	305.51	2.664 (1)
14-25-S	100	100	9.05	2.500	2831.96	813.76	813.76	305.51	2.664 (1)
14-26-S	100	100	9.05	2.500	2831.96	813.76	813.76	305.51	2.664 (1)
15-1-S	100	100	0.00	2.000	0.00	0.00	377.28	95.75	3.940 (1)
15-2-S	100	100	0.00	2.000	0.00	0.00	377.28	95.75	3.940 (1)
15-3-S	100	100	0.00	2.000	0.00	0.00	377.28	95.75	3.940 (1)
15-4-S	100	100	18.10	2.500	2831.96	1627.52	1627.52	1392.54	1.169 (1)
15-5-S	100	100	18.10	2.500	2831.96	1627.52	1627.52	0.00	100.000 (1)
15-6-S	100	100	9.05	2.500	2831.96	813.76	813.76	480.89	1.692 (1)
15-7-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
15-8-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
15-9-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
15-10-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
15-11-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
15-12-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
15-13-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
15-14-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
15-15-S	100	100	9.05	2.500	2831.96	813.76	813.76	625.42	1.301 (1)
15-16-S	100	100	0.00	2.000	0.00	0.00	377.28	14.56	25.916 (1)
15-17-S	100	100	0.00	2.000	0.00	0.00	377.28	14.56	25.916 (1)
15-18-S	100	100	0.00	2.000	0.00	0.00	377.28	14.56	25.916 (1)
15-19-S	100	100	0.00	2.000	0.00	0.00	377.28	14.56	25.916 (1)
15-20-S	100	100	9.05	2.500	2831.96	813.76	813.76	441.14	1.845 (1)
15-21-S	100	100	0.00	2.000	0.00	0.00	377.28	44.34	8.509 (1)
15-22-S	100	100	9.05	2.500	2831.96	813.76	813.76	332.36	2.448 (1)
15-23-S	100	100	13.57	2.500	2831.96	1220.64	1220.64	467.21	2.613 (1)
15-24-S	100	100	4.52	2.500	2831.96	406.88	406.88	305.70	1.331 (1)
15-25-S	100	100	4.52	2.500	2831.96	406.88	406.88	305.70	1.331 (1)
15-26-S	100	100	4.52	2.500	2831.96	406.88	406.88	305.70	1.331 (1)
16-1-S	100	100	0.00	2.000	0.00	0.00	377.28	5.84	64.559 (1)
16-2-S	100	100	0.00	2.000	0.00	0.00	377.28	120.20	3.139 (1)
16-3-S	100	100	0.00	2.000	0.00	0.00	377.28	120.20	3.139 (1)
16-4-S	100	100	0.00	2.000	0.00	0.00	377.28	120.20	3.139 (1)
16-5-S	100	100	0.00	2.000	0.00	0.00	377.28	120.20	3.139 (1)
16-6-S	100	100	9.05	2.500	2831.96	813.76	813.76	440.37	1.848 (1)
16-7-S	100	100	9.05	2.500	2831.96	813.76	813.76	440.37	1.848 (1)
16-8-S	100	100	9.05	2.500	2831.96	813.76	813.76	440.37	1.848 (1)
16-9-S	100	100	0.00	2.000	0.00	0.00	377.28	346.60	1.089 (1)
16-10-S	100	100	0.00	2.000	0.00	0.00	377.28	346.60	1.089 (1)
16-11-S	100	100	0.00	2.000	0.00	0.00	377.28	0.00	100.000 (1)
16-12-S	100	100	0.00	2.000	0.00	0.00	377.28	0.00	100.000 (1)
16-13-S	100	100	0.00	2.000	0.00	0.00	377.28	0.00	100.000 (1)
16-14-S	100	100	0.00	2.000	0.00	0.00	377.28	320.21	1.178 (1)
16-15-S	100	100	0.00	2.000	0.00	0.00	377.28	320.21	1.178 (1)
16-16-S	100	100	0.00	2.000	0.00	0.00	377.28	5.84	64.559 (1)
16-17-S	100	100	0.00	2.000	0.00	0.00	377.28	5.84	64.559 (1)
16-18-S	100	100	0.00	2.000	0.00	0.00	377.28	285.64	1.321 (1)
16-19-S	100	100	0.00	2.000	0.00	0.00	377.28	285.64	1.321 (1)
16-20-S	100	100	0.00	2.000	0.00	0.00	377.28	285.64	1.321 (1)
16-21-S	100	100	0.00	2.000	0.00	0.00	377.28	69.58	5.422 (1)
16-22-S	100	100	0.00	2.000	0.00	0.00	377.28	69.58	5.422 (1)
16-23-S	100	100	0.00	2.000	0.00	0.00	377.28	69.58	5.422 (1)
16-24-S	100	100	0.00	2.000	0.00	0.00	377.28	69.58	5.422 (1)
16-25-S	100	100	0.00	2.000	0.00	0.00	377.28	69.58	5.422 (1)
16-26-S	100	100	0.00	2.000	0.00	0.00	377.28	69.58	5.422 (1)
17-1-S	100	100	0.00	2.000	0.00	0.00	377.28	76.18	4.952 (1)
17-2-S	100	100	0.00	2.000	0.00	0.00	377.28	76.18	4.952 (1)
17-3-S	100	100	0.00	2.000	0.00	0.00	377.28	76.18	4.952 (1)
17-4-S	100	100	13.57	2.500	2831.96	1220.64	1220.64	959.10	1.273 (1)
17-5-S	100	100	13.57	2.500	2831.96	1220.64	1220.64	0.00	100.000 (1)
17-6-S	100	100	9.05	2.500	2831.96	813.76	813.76	479.92	1.696 (1)
17-7-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
17-8-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Asw [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
17-9-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
17-10-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
17-11-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
17-12-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
17-13-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
17-14-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
17-15-S	100	100	9.05	2.500	2831.96	813.76	813.76	625.21	1.302 (1)
17-16-S	100	100	9.05	2.500	2831.96	813.76	813.76	625.21	1.302 (1)
17-17-S	100	100	0.00	2.000	0.00	0.00	377.28	31.70	11.903 (1)
17-18-S	100	100	0.00	2.000	0.00	0.00	377.28	31.70	11.903 (1)
17-19-S	100	100	0.00	2.000	0.00	0.00	377.28	31.70	11.903 (1)
17-20-S	100	100	9.05	2.500	2831.96	813.76	813.76	441.36	1.844 (1)
17-21-S	100	100	9.05	2.500	2831.96	813.76	813.76	441.36	1.844 (1)
17-22-S	100	100	9.05	2.500	2831.96	813.76	813.76	332.66	2.446 (1)
17-23-S	100	100	18.10	2.500	2831.96	1627.52	1627.52	467.59	3.481 (1)
17-24-S	100	100	9.05	2.500	2831.96	813.76	813.76	306.03	2.659 (1)
17-25-S	100	100	9.05	2.500	2831.96	813.76	813.76	306.03	2.659 (1)
17-26-S	100	100	9.05	2.500	2831.96	813.76	813.76	306.03	2.659 (1)
18-1-S	100	100	0.00	2.000	0.00	0.00	377.28	95.58	3.947 (1)
18-2-S	100	100	0.00	2.000	0.00	0.00	377.28	95.58	3.947 (1)
18-3-S	100	100	0.00	2.000	0.00	0.00	377.28	95.58	3.947 (1)
18-4-S	100	100	18.10	2.500	2831.96	1627.52	1627.52	1392.07	1.169 (1)
18-5-S	100	100	18.10	2.500	2831.96	1627.52	1627.52	0.00	100.000 (1)
18-6-S	100	100	9.05	2.500	2831.96	813.76	813.76	479.92	1.696 (1)
18-7-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
18-8-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
18-9-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
18-10-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
18-11-S	100	100	9.05	2.500	2831.96	813.76	813.76	465.41	1.748 (1)
18-12-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
18-13-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
18-14-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
18-15-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
18-16-S	100	100	9.05	2.500	2831.96	813.76	813.76	575.93	1.413 (1)
18-17-S	100	100	9.05	2.500	2831.96	813.76	813.76	575.93	1.413 (1)
18-18-S	100	100	9.05	2.500	2831.96	813.76	813.76	575.93	1.413 (1)
18-19-S	100	100	9.05	2.500	2831.96	813.76	813.76	575.93	1.413 (1)
18-20-S	100	100	9.05	2.500	2831.96	813.76	813.76	441.36	1.844 (1)
18-21-S	100	100	0.00	2.000	0.00	0.00	377.28	44.20	8.535 (1)
18-22-S	100	100	9.05	2.500	2831.96	813.76	813.76	332.66	2.446 (1)
18-23-S	100	100	13.57	2.500	2831.96	1220.64	1220.64	467.59	2.610 (1)
18-24-S	100	100	4.52	2.500	2831.96	406.88	406.88	306.03	1.330 (1)
18-25-S	100	100	4.52	2.500	2831.96	406.88	406.88	306.03	1.330 (1)
18-26-S	100	100	4.52	2.500	2831.96	406.88	406.88	306.03	1.330 (1)
19-1-S	100	100	0.00	2.000	0.00	0.00	377.28	0.00	100.000 (1)
19-2-S	100	100	0.00	2.000	0.00	0.00	377.28	120.16	3.140 (1)
19-3-S	100	100	0.00	2.000	0.00	0.00	377.28	120.16	3.140 (1)
19-4-S	100	100	0.00	2.000	0.00	0.00	377.28	120.16	3.140 (1)
19-5-S	100	100	0.00	2.000	0.00	0.00	377.28	27.59	13.673 (1)
19-6-S	100	100	9.05	2.500	2831.96	813.76	813.76	440.37	1.848 (1)
19-7-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
19-8-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
19-9-S	100	100	0.00	2.000	0.00	0.00	377.28	346.60	1.089 (1)
19-10-S	100	100	0.00	2.000	0.00	0.00	377.28	346.60	1.089 (1)
19-11-S	100	100	0.00	2.000	0.00	0.00	377.28	0.00	100.000 (1)
19-12-S	100	100	0.00	2.000	0.00	0.00	377.28	0.00	100.000 (1)
19-13-S	100	100	0.00	2.000	0.00	0.00	377.28	0.00	100.000 (1)
19-14-S	100	100	0.00	2.000	0.00	0.00	377.28	320.21	1.178 (1)
19-15-S	100	100	0.00	2.000	0.00	0.00	377.28	320.21	1.178 (1)
19-16-S	100	100	0.00	2.000	0.00	0.00	377.28	0.00	100.000 (1)
19-17-S	100	100	0.00	2.000	0.00	0.00	377.28	24.09	15.662 (1)
19-18-S	100	100	0.00	2.000	0.00	0.00	377.28	285.64	1.321 (1)
19-19-S	100	100	0.00	2.000	0.00	0.00	377.28	285.64	1.321 (1)
19-20-S	100	100	0.00	2.000	0.00	0.00	377.28	285.64	1.321 (1)
19-21-S	100	100	0.00	2.000	0.00	0.00	377.28	285.64	1.321 (1)
19-22-S	100	100	0.00	2.000	0.00	0.00	377.28	69.58	5.422 (1)
19-23-S	100	100	0.00	2.000	0.00	0.00	377.28	69.58	5.422 (1)
19-24-S	100	100	0.00	2.000	0.00	0.00	377.28	69.58	5.422 (1)
19-25-S	100	100	0.00	2.000	0.00	0.00	377.28	69.58	5.422 (1)
19-26-S	100	100	0.00	2.000	0.00	0.00	377.28	69.58	5.422 (1)
20-1-S	100	100	0.00	2.000	0.00	0.00	377.28	76.19	4.952 (1)
20-2-S	100	100	0.00	2.000	0.00	0.00	377.28	76.19	4.952 (1)
20-3-S	100	100	0.00	2.000	0.00	0.00	377.28	76.19	4.952 (1)
20-4-S	100	100	13.57	2.500	2831.96	1220.64	1220.64	959.12	1.273 (1)
20-5-S	100	100	13.57	2.500	2831.96	1220.64	1220.64	959.12	1.273 (1)
20-6-S	100	100	9.05	2.500	2831.96	813.76	813.76	480.89	1.692 (1)
20-7-S	100	100	9.05	2.500	2831.96	813.76	813.76	480.89	1.692 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
20-8-S	100	100	9.05	2.500	2831.96	813.76	813.76	480.89	1.692 (1)
20-9-S	100	100	9.05	2.500	2831.96	813.76	813.76	480.89	1.692 (1)
20-10-S	100	100	9.05	2.500	2831.96	813.76	813.76	480.89	1.692 (1)
20-11-S	100	100	9.05	2.500	2831.96	813.76	813.76	466.03	1.746 (1)
20-12-S	100	100	9.05	2.500	2831.96	813.76	813.76	466.03	1.746 (1)
20-13-S	100	100	9.05	2.500	2831.96	813.76	813.76	466.03	1.746 (1)
20-14-S	100	100	9.05	2.500	2831.96	813.76	813.76	466.03	1.746 (1)
20-15-S	100	100	9.05	2.500	2831.96	813.76	813.76	466.03	1.746 (1)
20-16-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
20-17-S	100	100	0.00	2.000	0.00	0.00	377.28	32.54	11.594 (1)
20-18-S	100	100	0.00	2.000	0.00	0.00	377.28	32.54	11.594 (1)
20-19-S	100	100	0.00	2.000	0.00	0.00	377.28	32.54	11.594 (1)
20-20-S	100	100	9.05	2.500	2831.96	813.76	813.76	441.14	1.845 (1)
20-21-S	100	100	9.05	2.500	2831.96	813.76	813.76	441.14	1.845 (1)
20-22-S	100	100	9.05	2.500	2831.96	813.76	813.76	332.36	2.448 (1)
20-23-S	100	100	18.10	2.500	2831.96	1627.52	1627.52	467.21	3.483 (1)
20-24-S	100	100	9.05	2.500	2831.96	813.76	813.76	305.70	2.662 (1)
20-25-S	100	100	9.05	2.500	2831.96	813.76	813.76	305.70	2.662 (1)
20-26-S	100	100	9.05	2.500	2831.96	813.76	813.76	305.70	2.662 (1)
21-1-S	100	100	0.00	2.000	0.00	0.00	377.28	95.61	3.946 (1)
21-2-S	100	100	0.00	2.000	0.00	0.00	377.28	95.61	3.946 (1)
21-3-S	100	100	0.00	2.000	0.00	0.00	377.28	95.61	3.946 (1)
21-4-S	100	100	18.10	2.500	2831.96	1627.52	1627.52	1392.10	1.169 (1)
21-5-S	100	100	18.10	2.500	2831.96	1627.52	1627.52	0.00	100.000 (1)
21-6-S	100	100	9.05	2.500	2831.96	813.76	813.76	482.02	1.688 (1)
21-7-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
21-8-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
21-9-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
21-10-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
21-11-S	100	100	9.05	2.500	2831.96	813.76	813.76	466.69	1.744 (1)
21-12-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
21-13-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
21-14-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
21-15-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
21-16-S	100	100	9.05	2.500	2831.96	813.76	813.76	576.07	1.413 (1)
21-17-S	100	100	0.00	2.000	0.00	0.00	377.28	34.07	11.073 (1)
21-18-S	100	100	0.00	2.000	0.00	0.00	377.28	34.07	11.073 (1)
21-19-S	100	100	0.00	2.000	0.00	0.00	377.28	34.07	11.073 (1)
21-20-S	100	100	9.05	2.500	2831.96	813.76	813.76	440.82	1.846 (1)
21-21-S	100	100	9.05	2.500	2831.96	813.76	813.76	440.82	1.846 (1)
21-22-S	100	100	9.05	2.500	2831.96	813.76	813.76	332.00	2.451 (1)
21-23-S	100	100	18.10	2.500	2831.96	1627.52	1627.52	466.99	3.485 (1)
21-24-S	100	100	9.05	2.500	2831.96	813.76	813.76	305.51	2.664 (1)
21-25-S	100	100	9.05	2.500	2831.96	813.76	813.76	305.51	2.664 (1)
21-26-S	100	100	9.05	2.500	2831.96	813.76	813.76	305.51	2.664 (1)
22-1-S	100	100	0.00	2.000	0.00	0.00	377.28	0.00	100.000 (1)
22-2-S	100	100	0.00	2.000	0.00	0.00	377.28	120.17	3.140 (1)
22-3-S	100	100	0.00	2.000	0.00	0.00	377.28	120.17	3.140 (1)
22-4-S	100	100	0.00	2.000	0.00	0.00	377.28	120.17	3.140 (1)
22-5-S	100	100	0.00	2.000	0.00	0.00	377.28	27.57	13.684 (1)
22-6-S	100	100	9.05	2.500	2831.96	813.76	813.76	444.03	1.833 (1)
22-7-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
22-8-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
22-9-S	100	100	0.00	2.000	0.00	0.00	377.28	349.53	1.079 (1)
22-10-S	100	100	0.00	2.000	0.00	0.00	377.28	349.53	1.079 (1)
22-11-S	100	100	0.00	2.000	0.00	0.00	377.28	349.53	1.079 (1)
22-12-S	100	100	0.00	2.000	0.00	0.00	377.28	0.00	100.000 (1)
22-13-S	100	100	0.00	2.000	0.00	0.00	377.28	0.00	100.000 (1)
22-14-S	100	100	0.00	2.000	0.00	0.00	377.28	320.83	1.176 (1)
22-15-S	100	100	0.00	2.000	0.00	0.00	377.28	320.83	1.176 (1)
22-16-S	100	100	0.00	2.000	0.00	0.00	377.28	320.83	1.176 (1)
22-17-S	100	100	0.00	2.000	0.00	0.00	377.28	27.39	13.776 (1)
22-18-S	100	100	0.00	2.000	0.00	0.00	377.28	284.96	1.324 (1)
22-19-S	100	100	0.00	2.000	0.00	0.00	377.28	284.96	1.324 (1)
22-20-S	100	100	0.00	2.000	0.00	0.00	377.28	284.96	1.324 (1)
22-21-S	100	100	0.00	2.000	0.00	0.00	377.28	284.96	1.324 (1)
22-22-S	100	100	0.00	2.000	0.00	0.00	377.28	70.21	5.374 (1)
22-23-S	100	100	0.00	2.000	0.00	0.00	377.28	70.21	5.374 (1)
22-24-S	100	100	0.00	2.000	0.00	0.00	377.28	70.21	5.374 (1)
22-25-S	100	100	0.00	2.000	0.00	0.00	377.28	70.21	5.374 (1)
22-26-S	100	100	0.00	2.000	0.00	0.00	377.28	70.21	5.374 (1)
23-1-S	100	100	0.00	2.000	0.00	0.00	377.28	76.07	4.960 (1)
23-2-S	100	100	0.00	2.000	0.00	0.00	377.28	76.07	4.960 (1)
23-3-S	100	100	0.00	2.000	0.00	0.00	377.28	76.07	4.960 (1)
23-4-S	100	100	13.57	2.500	2831.96	1220.64	1220.64	958.82	1.273 (1)
23-5-S	100	100	13.57	2.500	2831.96	1220.64	1220.64	958.82	1.273 (1)
23-6-S	100	100	9.05	2.500	2831.96	813.76	813.76	487.03	1.671 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Asw [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
23-7-S	100	100	9.05	2.500	2831.96	813.76	813.76	487.03	1.671 (1)
23-8-S	100	100	9.05	2.500	2831.96	813.76	813.76	487.03	1.671 (1)
23-9-S	100	100	9.05	2.500	2831.96	813.76	813.76	487.03	1.671 (1)
23-10-S	100	100	9.05	2.500	2831.96	813.76	813.76	487.03	1.671 (1)
23-11-S	100	100	9.05	2.500	2831.96	813.76	813.76	468.62	1.737 (1)
23-12-S	100	100	9.05	2.500	2831.96	813.76	813.76	468.62	1.737 (1)
23-13-S	100	100	9.05	2.500	2831.96	813.76	813.76	468.62	1.737 (1)
23-14-S	100	100	9.05	2.500	2831.96	813.76	813.76	468.62	1.737 (1)
23-15-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
23-16-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
23-17-S	100	100	0.00	2.000	0.00	0.00	377.28	36.78	10.257 (1)
23-18-S	100	100	0.00	2.000	0.00	0.00	377.28	36.78	10.257 (1)
23-19-S	100	100	0.00	2.000	0.00	0.00	377.28	36.78	10.257 (1)
23-20-S	100	100	9.05	2.500	2831.96	813.76	813.76	438.94	1.854 (1)
23-21-S	100	100	9.05	2.500	2831.96	813.76	813.76	438.94	1.854 (1)
23-22-S	100	100	9.05	2.500	2831.96	813.76	813.76	330.27	2.464 (1)
23-23-S	100	100	18.10	2.500	2831.96	1627.52	1627.52	465.06	3.500 (1)
23-24-S	100	100	9.05	2.500	2831.96	813.76	813.76	304.05	2.676 (1)
23-25-S	100	100	9.05	2.500	2831.96	813.76	813.76	304.05	2.676 (1)
23-26-S	100	100	9.05	2.500	2831.96	813.76	813.76	304.05	2.676 (1)
24-1-S	100	100	0.00	2.000	0.00	0.00	377.28	93.64	4.029 (1)
24-2-S	100	100	0.00	2.000	0.00	0.00	377.28	93.64	4.029 (1)
24-3-S	100	100	0.00	2.000	0.00	0.00	377.28	93.64	4.029 (1)
24-4-S	100	100	18.10	2.500	2831.96	1627.52	1627.52	1390.17	1.171 (1)
24-5-S	100	100	18.10	2.500	2831.96	1627.52	1627.52	0.00	100.000 (1)
24-6-S	100	100	9.05	2.500	2831.96	813.76	813.76	492.03	1.654 (1)
24-7-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
24-8-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
24-9-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
24-10-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
24-11-S	100	100	9.05	2.500	2831.96	813.76	813.76	468.80	1.736 (1)
24-12-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
24-13-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
24-14-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
24-15-S	100	100	9.05	2.500	2831.96	813.76	813.76	622.39	1.307 (1)
24-16-S	100	100	9.05	2.500	2831.96	813.76	813.76	622.39	1.307 (1)
24-17-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
24-18-S	100	100	0.00	2.000	0.00	0.00	377.28	39.79	9.481 (1)
24-19-S	100	100	0.00	2.000	0.00	0.00	377.28	39.79	9.481 (1)
24-20-S	100	100	9.05	2.500	2831.96	813.76	813.76	436.48	1.864 (1)
24-21-S	100	100	9.05	2.500	2831.96	813.76	813.76	436.48	1.864 (1)
24-22-S	100	100	9.05	2.500	2831.96	813.76	813.76	328.23	2.479 (1)
24-23-S	100	100	18.10	2.500	2831.96	1627.52	1627.52	464.04	3.507 (1)
24-24-S	100	100	9.05	2.500	2831.96	813.76	813.76	303.33	2.683 (1)
24-25-S	100	100	9.05	2.500	2831.96	813.76	813.76	303.33	2.683 (1)
24-26-S	100	100	9.05	2.500	2831.96	813.76	813.76	303.33	2.683 (1)
25-1-S	100	100	0.00	2.000	0.00	0.00	377.28	0.00	100.000 (1)
25-2-S	100	100	0.00	2.000	0.00	0.00	377.28	206.67	1.825 (1)
25-3-S	100	100	0.00	2.000	0.00	0.00	377.28	206.67	1.825 (1)
25-4-S	100	100	0.00	2.000	0.00	0.00	377.28	206.67	1.825 (1)
25-5-S	100	100	0.00	2.000	0.00	0.00	377.28	206.67	1.825 (1)
25-6-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
25-7-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
25-8-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
25-9-S	100	100	0.00	2.000	0.00	0.00	377.28	354.04	1.066 (1)
25-10-S	100	100	0.00	2.000	0.00	0.00	377.28	354.04	1.066 (1)
25-11-S	100	100	0.00	2.000	0.00	0.00	377.28	0.00	100.000 (1)
25-12-S	100	100	0.00	2.000	0.00	0.00	377.28	0.00	100.000 (1)
25-13-S	100	100	0.00	2.000	0.00	0.00	377.28	0.00	100.000 (1)
25-14-S	100	100	0.00	2.000	0.00	0.00	377.28	311.96	1.209 (1)
25-15-S	100	100	0.00	2.000	0.00	0.00	377.28	0.00	100.000 (1)
25-16-S	100	100	0.00	2.000	0.00	0.00	377.28	0.00	100.000 (1)
25-17-S	100	100	0.00	2.000	0.00	0.00	377.28	0.00	100.000 (1)
25-18-S	100	100	0.00	2.000	0.00	0.00	377.28	33.43	11.286 (1)
25-19-S	100	100	0.00	2.000	0.00	0.00	377.28	222.94	1.692 (1)
25-20-S	100	100	0.00	2.000	0.00	0.00	377.28	222.94	1.692 (1)
25-21-S	100	100	0.00	2.000	0.00	0.00	377.28	222.94	1.692 (1)
25-22-S	100	100	0.00	2.000	0.00	0.00	377.28	72.92	5.174 (1)
25-23-S	100	100	0.00	2.000	0.00	0.00	377.28	72.92	5.174 (1)
25-24-S	100	100	0.00	2.000	0.00	0.00	377.28	72.92	5.174 (1)
25-25-S	100	100	0.00	2.000	0.00	0.00	377.28	72.92	5.174 (1)
25-26-S	100	100	0.00	2.000	0.00	0.00	377.28	72.92	5.174 (1)
26-1-S	100	100	0.00	2.000	0.00	0.00	358.38	76.15	4.706 (1)
26-2-S	100	100	0.00	2.000	0.00	0.00	358.38	76.15	4.706 (1)
26-3-S	100	100	0.00	2.000	0.00	0.00	358.38	76.15	4.706 (1)
26-4-S	100	100	22.62	2.500	2831.96	2034.40	2034.40	1829.55	1.112 (1)
26-5-S	100	100	22.62	2.500	2831.96	2034.40	2034.40	1829.55	1.112 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg(θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
26-6-S	100	100	9.05	2.500	2831.96	813.76	813.76	482.64	1.686 (1)
26-7-S	100	100	9.05	2.500	2831.96	813.76	813.76	482.64	1.686 (1)
26-8-S	100	100	9.05	2.500	2831.96	813.76	813.76	482.64	1.686 (1)
26-9-S	100	100	9.05	2.500	2831.96	813.76	813.76	482.64	1.686 (1)
26-10-S	100	100	9.05	2.500	2831.96	813.76	813.76	482.64	1.686 (1)
26-11-S	100	100	9.05	2.500	2831.96	813.76	813.76	447.68	1.818 (1)
26-12-S	100	100	9.05	2.500	2831.96	813.76	813.76	447.68	1.818 (1)
26-13-S	100	100	9.05	2.500	2831.96	813.76	813.76	447.68	1.818 (1)
26-14-S	100	100	9.05	2.500	2831.96	813.76	813.76	447.68	1.818 (1)
26-15-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
26-16-S	100	100	9.05	2.500	2831.96	813.76	813.76	0.00	100.000 (1)
26-17-S	100	100	0.00	2.000	0.00	0.00	358.38	42.08	8.518 (1)
26-18-S	100	100	0.00	2.000	0.00	0.00	358.38	42.08	8.518 (1)
26-19-S	100	100	9.05	2.500	2831.96	813.76	813.76	455.27	1.787 (1)
26-20-S	100	100	9.05	2.500	2831.96	813.76	813.76	455.27	1.787 (1)
26-21-S	100	100	9.05	2.500	2831.96	813.76	813.76	455.27	1.787 (1)
26-22-S	100	100	9.05	2.500	2831.96	813.76	813.76	328.67	2.476 (1)
26-23-S	100	100	9.05	2.500	2831.96	813.76	813.76	471.10	1.727 (1)
26-24-S	100	100	9.05	2.500	2831.96	813.76	813.76	306.32	2.657 (1)
26-25-S	100	100	9.05	2.500	2831.96	813.76	813.76	306.32	2.657 (1)
26-26-S	100	100	9.05	2.500	2831.96	813.76	813.76	306.32	2.657 (1)
27-1-S	100	100	0.00	2.000	0.00	0.00	358.38	79.80	4.491 (1)
27-2-S	100	100	0.00	2.000	0.00	0.00	358.38	79.80	4.491 (1)
27-3-S	100	100	0.00	2.000	0.00	0.00	358.38	79.80	4.491 (1)
27-4-S	100	100	18.10	2.500	2831.96	1627.52	1627.52	1591.95	1.022 (1)
27-5-S	100	100	18.10	2.500	2831.96	1627.52	1627.52	0.00	100.000 (1)
27-6-S	100	100	0.00	2.000	0.00	0.00	358.38	348.85	1.027 (1)
27-7-S	100	100	0.00	2.000	0.00	0.00	358.38	8.33	43.014 (1)
27-8-S	100	100	0.00	2.000	0.00	0.00	358.38	8.33	43.014 (1)
27-9-S	100	100	0.00	2.000	0.00	0.00	358.38	8.33	43.014 (1)
27-10-S	100	100	0.00	2.000	0.00	0.00	358.38	8.33	43.014 (1)
27-11-S	100	100	0.00	2.000	0.00	0.00	358.38	8.33	43.014 (1)
27-12-S	100	100	9.05	2.500	2831.96	813.76	813.76	620.86	1.311 (1)
27-13-S	100	100	9.05	2.500	2831.96	813.76	813.76	620.86	1.311 (1)
27-14-S	100	100	9.05	2.500	2831.96	813.76	813.76	620.86	1.311 (1)
27-15-S	100	100	9.05	2.500	2831.96	813.76	813.76	620.86	1.311 (1)
27-16-S	100	100	9.05	2.500	2831.96	813.76	813.76	586.89	1.387 (1)
27-17-S	100	100	0.00	2.000	0.00	0.00	358.38	79.59	4.503 (1)
27-18-S	100	100	0.00	2.000	0.00	0.00	358.38	79.59	4.503 (1)
27-19-S	100	100	0.00	2.000	0.00	0.00	358.38	79.59	4.503 (1)
27-20-S	100	100	9.05	2.500	2831.96	813.76	813.76	454.26	1.791 (1)
27-21-S	100	100	9.05	2.500	2831.96	813.76	813.76	454.26	1.791 (1)
27-22-S	100	100	9.05	2.500	2831.96	813.76	813.76	309.93	2.626 (1)
27-23-S	100	100	18.10	2.500	2831.96	1627.52	1627.52	523.92	3.106 (1)
27-24-S	100	100	9.05	2.500	2831.96	813.76	813.76	347.03	2.345 (1)
27-25-S	100	100	9.05	2.500	2831.96	813.76	813.76	347.03	2.345 (1)
27-26-S	100	100	9.05	2.500	2831.96	813.76	813.76	347.03	2.345 (1)

Pali in c.a.

La verifica a taglio sui pali circolari in c.a. viene eseguita considerando una sezione quadrata inscritta nella circonferenza. Se D è il diametro del palo, il lato della sezione quadrata sulla quale si esegue la verifica è $L = 2^{0.5}/2 D$.

Ip	Is	L [cm]	A _{sw} [cmq]	s [cm]	cotgθ	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
1	1	56.57	2.26	10	2.500	835.66	1007.06	835.66	708.60	1.179
2	1	56.57	2.26	10	2.500	975.57	1007.06	975.57	708.60	1.377
3	1	56.57	2.26	10	2.500	1044.57	1007.06	1007.06	708.60	1.421

RELAZIONE DI CALCOLO

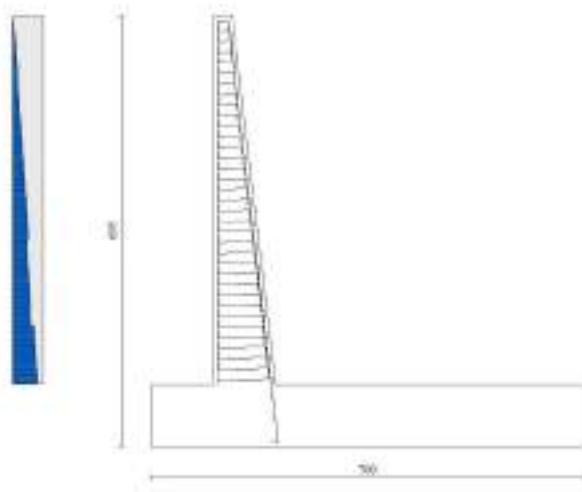


Fig. 18 - Paramento (Inviluppo)

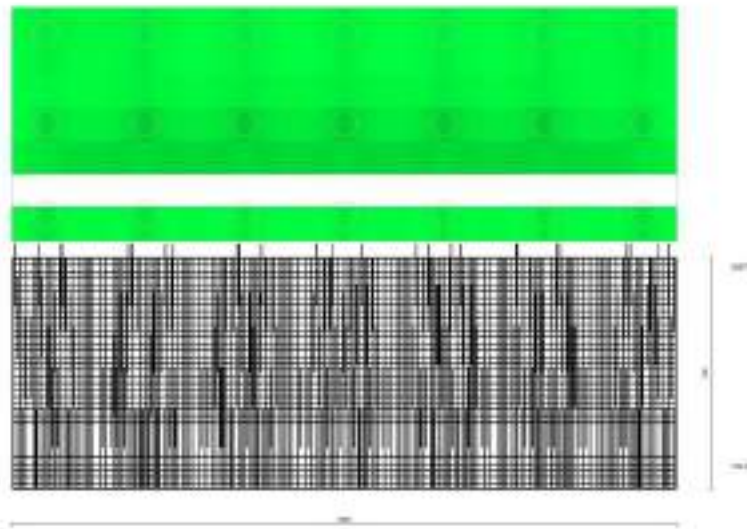


Fig. 19 - Piastra fondazione dir. X (Inviluppo)

RELAZIONE DI CALCOLO

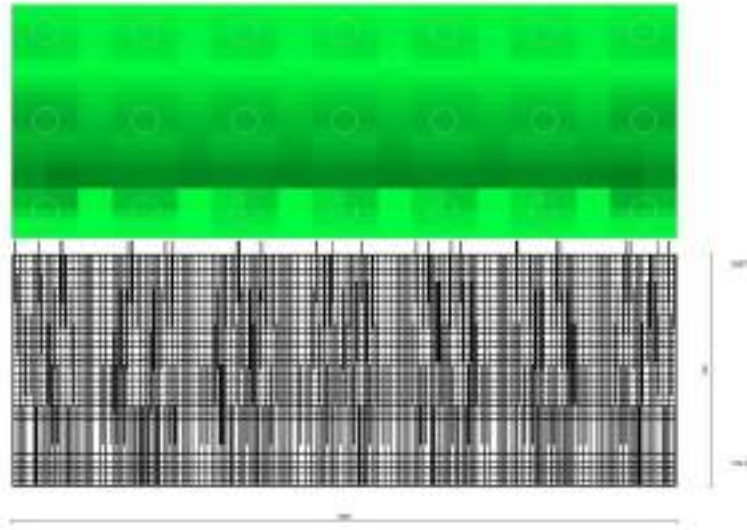


Fig. 20 - Piastra fondazione dir. Y (Inviluppo)

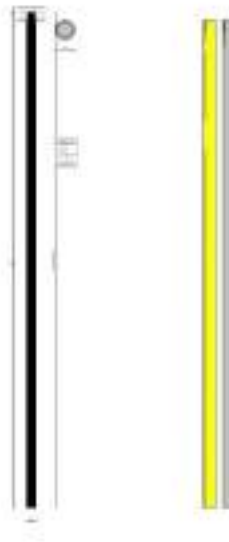


Fig. 21 - Pali (Palo n° 1) (Inviluppo)

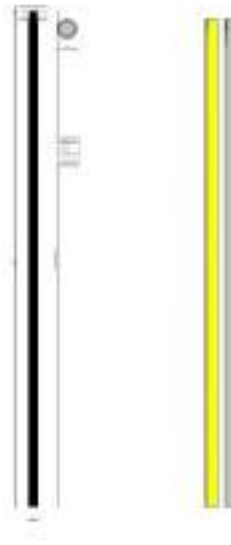


Fig. 22 - Pali (Palo n° 2) (Inviluppo)



Fig. 23 - Pali (Palo n° 3) (Inviluppo)

Verifica a punzonamento

Simbologia adottata

OP	Oggetto che viene punzonato
P	Oggetto che punzona
C ₁ , C ₂	Dimensioni pilastro nelle due direzioni, espressa in [mm]
d	Altezza utile della fondazione, espressa in [mm]
u ₀	Lunghezza perimetro di verifica a faccia pilastro, espresso in [mm]
u ₁	Lunghezza perimetro di verifica per effetto della diffusione, espresso in [mm]
p _{v1} , p _{v2}	Percentuali di armatura piastra in zona tesa
d _{pC} , d _{uc}	distanza della prima e dell'ultima cucitura dalla faccia del pilastro
V _{Ed,i}	Tensione di taglio sul perimetro del pilastro, espressa in [kPa]
V _{Rd,max}	Valore di progetto del massimo taglio-punzonamento resistente, espressa in [kPa]
V _{Ed,f}	Tensione di taglio sul perimetro di verifica u ₁ , espresso in [kPa]
V _{Rd,cf}	Valore di progetto del taglio-punzonamento resistente senza armature sul perimetro di verifica u ₁ , espresso in [kPa]

RELAZIONE DI CALCOLO

$V_{Rd,cs}$	Valore di progetto del taglio-punzonamento resistente con armature, espresso in [kPa]
nsc	Numero di serie di cuciture
nc	Numero di cuciture
FS	Fattore di sicurezza (minore tra i rapporti $V_{Rd,max}/V_{Ed,t}$, $V_{Rd,ct}/V_{Ed,t}$ e $V_{Rd,cs}/V_{Ed,t}$)

Verifica delle tensioni

Simbologia adottata

n°	indice sezione
Y	ordinata sezione, espressa in [m]
B	larghezza sezione, espressa in [cm]
H	altezza sezione, espressa in [cm]
Afi	area ferri inferiori, espressa in [cmq]
Afs	area ferri superiori, espressa in [cmq]
M	momento agente, espressa in [kNm]
N	sfuerzo normale agente, espressa in [kN]
σ_c	tensione di compressione nel ds, espressa in [kPa]
σ_{fi}	tensione nei ferri inferiori, espressa in [kPa]
σ_{fs}	tensione nei ferri superiori, espressa in [kPa]

Combinazioni SLER

Paramento

Tensione massima di compressione nel calcestruzzo	19920	[kPa]
Tensione massima di trazione dell'acciaio	360000	[kPa]

n°	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	M [kNm]	N [kN]	σ_c [kPa]	σ_{fi} [kPa]	σ_{fs} [kPa]
1	100	30	22.62	22.62	-0.45	3.00	44 (5)	328 (5)	394 (5)
2	100	31	22.62	22.62	-0.39	3.74	34 (5)	323 (5)	128 (5)
3	100	32	22.62	22.62	-0.24	4.52	23 (5)	268 (5)	78 (5)
4	100	33	22.62	22.62	0.01	5.32	14 (5)	194 (5)	202 (5)
5	100	35	22.62	22.62	0.36	6.14	30 (5)	92 (5)	353 (5)
6	100	36	22.62	22.62	0.81	7.00	53 (5)	191 (5)	553 (5)
7	100	37	22.62	22.62	1.37	7.89	85 (5)	786 (5)	782 (5)
8	100	38	22.62	22.62	2.05	8.80	121 (5)	1566 (5)	1026 (5)
9	100	39	22.62	22.62	2.85	9.74	158 (5)	2474 (5)	1286 (5)
10	100	40	22.62	22.62	3.78	10.71	197 (5)	3492 (5)	1565 (5)
11	100	42	22.62	22.62	4.83	11.71	238 (5)	4611 (5)	1864 (5)
12	100	43	22.62	22.62	6.02	12.74	281 (5)	5823 (5)	2182 (5)
13	100	44	22.62	22.62	7.35	13.79	324 (5)	7124 (5)	2519 (5)
14	100	45	22.62	22.62	8.82	14.88	369 (5)	8512 (5)	2874 (5)
15	100	46	22.62	22.62	10.44	15.99	415 (5)	9982 (5)	3247 (5)
16	100	47	22.62	22.62	12.22	17.13	463 (5)	11534 (5)	3636 (5)
17	100	49	22.62	22.62	14.15	18.30	511 (5)	13163 (5)	4042 (5)
18	100	50	22.62	22.62	16.25	19.49	560 (5)	14869 (5)	4464 (5)
19	100	51	22.62	22.62	18.52	20.72	610 (5)	16650 (5)	4901 (5)
20	100	52	22.62	22.62	20.96	21.97	660 (5)	18505 (5)	5352 (5)
21	100	53	22.62	22.62	23.58	23.25	712 (5)	20431 (5)	5818 (5)
22	100	54	22.62	22.62	26.39	24.56	764 (5)	22429 (5)	6297 (5)
23	100	56	22.62	22.62	29.38	25.90	817 (5)	24497 (5)	6790 (5)
24	100	57	22.62	22.62	32.57	27.27	871 (5)	26634 (5)	7295 (5)
25	100	58	22.62	22.62	35.96	28.66	925 (5)	28840 (5)	7813 (5)
26	100	59	22.62	22.62	39.55	30.09	980 (5)	31113 (5)	8343 (5)
27	100	60	22.62	22.62	43.34	31.54	1035 (5)	33453 (5)	8885 (5)
28	100	61	22.62	22.62	47.36	33.02	1091 (5)	35859 (5)	9438 (5)
29	100	63	22.62	22.62	51.58	34.53	1148 (5)	38332 (5)	10003 (5)
30	100	64	22.62	22.62	56.04	36.06	1205 (5)	40869 (5)	10578 (5)
31	100	65	22.62	22.62	60.72	37.63	1263 (5)	43471 (5)	11164 (5)
32	100	66	22.62	22.62	65.63	39.22	1321 (5)	46138 (5)	11761 (5)
33	100	67	22.62	22.62	70.78	40.84	1380 (5)	48869 (5)	12368 (5)
34	100	68	22.62	22.62	76.17	42.49	1440 (5)	51663 (5)	12985 (5)
35	100	70	22.62	22.62	81.81	44.17	1500 (5)	54521 (5)	13612 (5)
36	100	71	22.62	22.62	87.71	45.88	1560 (5)	57441 (5)	14248 (5)
37	100	72	22.62	22.62	93.86	47.61	1621 (5)	60425 (5)	14894 (5)
38	100	73	22.62	45.24	100.27	49.37	1336 (5)	32990 (5)	14248 (5)
39	100	74	22.62	45.24	106.95	51.17	1384 (5)	34595 (5)	14823 (5)
40	100	75	22.62	45.24	113.90	52.99	1433 (5)	36232 (5)	15405 (5)
41	100	77	22.62	45.24	121.13	54.83	1482 (5)	37901 (5)	15992 (5)
42	100	78	22.62	45.24	128.64	56.71	1531 (5)	39601 (5)	16586 (5)
43	100	79	22.62	45.24	136.43	58.61	1581 (5)	41333 (5)	17186 (5)
44	100	80	22.62	45.24	144.52	60.55	1631 (5)	43096 (5)	17792 (5)

RELAZIONE DI CALCOLO

n°	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	M [kNm]	N [kN]	σc [kPa]	σfi [kPa]	σfs [kPa]
45	100	81	22.62	45.24	152.91	62.51	1681 (5)	44890 (5)	18404 (5)
46	100	82	22.62	45.24	161.59	64.50	1732 (5)	46715 (5)	19022 (5)
47	100	84	22.62	45.24	170.59	66.52	1783 (5)	48572 (5)	19646 (5)
48	100	85	22.62	45.24	179.89	68.56	1834 (5)	50459 (5)	20275 (5)
49	100	86	22.62	45.24	189.51	70.64	1886 (5)	52377 (5)	20910 (5)
50	100	87	22.62	45.24	199.45	72.74	1938 (5)	54326 (5)	21550 (5)
51	100	88	22.62	45.24	209.72	74.87	1990 (5)	56306 (5)	22196 (5)
52	100	89	0.00	45.24	220.32	77.03	2291 (5)	59311 (5)	0 (5)
53	100	91	0.00	45.24	231.25	79.22	2348 (5)	61385 (5)	0 (5)
54	100	92	0.00	45.24	242.52	81.44	2406 (5)	63489 (5)	0 (5)
55	100	93	0.00	45.24	254.14	83.68	2465 (5)	65624 (5)	0 (5)
56	100	94	0.00	45.24	266.11	85.95	2523 (5)	67790 (5)	0 (5)
57	100	95	0.00	45.24	278.44	88.26	2582 (5)	69986 (5)	0 (5)
58	100	96	0.00	45.24	291.12	90.59	2641 (5)	72213 (5)	0 (5)
59	100	98	0.00	45.24	304.17	92.94	2700 (5)	74472 (5)	0 (5)
60	100	99	0.00	45.24	317.59	95.33	2760 (5)	76760 (5)	0 (5)
61	100	100	0.00	45.24	331.39	97.74	2826 (5)	79196 (5)	0 (5)

Piastra fondazione

Tensione massima di compressione nel calcestruzzo

19920

[kPa]

Tensione massima di trazione dell'acciaio

360000

[kPa]

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
1-1-P	100	100	27.14	27.14	13.74	-5.59	132 (8)	6964 (8)	2267 (8)
1-2-P	100	100	27.14	27.14	1.53	-12.40	96 (8)	1548 (8)	5029 (8)
1-3-P	100	100	27.14	27.14	0.38	-30.28	234 (8)	3015 (8)	12279 (8)
1-4-P	100	100	27.14	27.14	0.27	-67.42	520 (8)	6714 (8)	27340 (8)
1-5-P	100	100	27.14	27.14	0.00	-112.48	868 (8)	11201 (8)	45615 (8)
1-6-P	100	100	27.14	27.14	0.26	-68.63	529 (8)	6835 (8)	27833 (8)
1-7-P	100	100	27.14	27.14	0.08	-28.87	223 (8)	2875 (8)	11706 (8)
1-8-P	100	100	27.14	27.14	2.32	-7.35	57 (8)	2355 (8)	2979 (8)
1-9-P	100	100	27.14	27.14	11.97	-1.56	92 (8)	4854 (8)	1192 (8)
1-10-P	100	100	27.14	27.14	22.82	-0.08	176 (8)	9255 (8)	2273 (8)
1-11-P	100	100	27.14	27.14	22.62	0.00	174 (8)	9173 (8)	2253 (8)
1-12-P	100	100	27.14	27.14	22.57	-0.06	174 (8)	9151 (8)	2247 (8)
1-13-P	100	100	27.14	27.14	12.50	-1.40	96 (8)	5067 (8)	1244 (8)
1-14-P	100	100	27.14	27.14	2.55	-5.68	44 (8)	1724 (8)	2303 (8)
1-15-P	100	100	27.14	27.14	0.12	-25.34	195 (8)	2524 (8)	10278 (8)
1-16-P	100	100	27.14	27.14	0.27	-62.38	481 (8)	6212 (8)	25296 (8)
1-17-P	100	100	27.14	27.14	0.00	-103.09	795 (8)	10266 (8)	41804 (8)
1-18-P	100	100	27.14	27.14	0.28	-62.38	481 (8)	6212 (8)	25298 (8)
1-19-P	100	100	27.14	27.14	0.13	-25.35	196 (8)	2524 (8)	10279 (8)
1-20-P	100	100	27.14	27.14	2.52	-5.80	45 (8)	1702 (8)	2353 (8)
1-21-P	100	100	27.14	27.14	12.12	-1.45	93 (8)	4913 (8)	1206 (8)
1-22-P	100	100	27.14	27.14	21.86	-0.06	169 (8)	8866 (8)	2177 (8)
1-23-P	100	100	27.14	27.14	21.72	0.00	168 (8)	8807 (8)	2163 (8)
1-24-P	100	100	27.14	27.14	21.73	-0.11	168 (8)	8814 (8)	2164 (8)
1-25-P	100	100	27.14	27.14	9.75	-0.68	75 (8)	3954 (8)	971 (8)
1-26-P	100	100	27.14	27.14	0.66	-7.26	56 (8)	1348 (8)	2945 (8)
1-27-P	100	100	27.14	27.14	0.00	-11.86	152 (8)	1968 (8)	8014 (8)
1-28-P	100	100	27.14	27.14	0.31	-43.78	338 (8)	4359 (8)	17752 (8)
1-29-P	100	100	27.14	27.14	0.10	-87.78	677 (8)	8741 (8)	35596 (8)
1-30-P	100	100	27.14	27.14	0.22	-31.88	307 (8)	3968 (8)	16161 (8)
1-31-P	100	100	27.14	27.14	0.34	-30.00	231 (8)	2987 (8)	12164 (8)
1-32-P	100	100	27.14	27.14	2.67	-10.35	80 (8)	2707 (8)	4198 (8)
1-33-P	100	100	27.14	27.14	11.90	-1.96	92 (8)	4825 (8)	1185 (8)
1-34-P	100	100	27.14	27.14	24.00	-0.09	185 (8)	9731 (8)	2390 (8)
1-35-P	100	100	27.14	27.14	23.32	0.00	180 (8)	9456 (8)	2322 (8)
1-36-P	100	100	27.14	27.14	22.81	-0.09	176 (8)	9251 (8)	2272 (8)
1-37-P	100	100	27.14	27.14	10.42	-0.63	80 (8)	4226 (8)	1038 (8)
1-38-P	100	100	27.14	27.14	0.64	-6.87	53 (8)	1301 (8)	2787 (8)
1-39-P	100	100	27.14	27.14	0.00	-11.72	151 (8)	1946 (8)	7923 (8)
1-40-P	100	100	27.14	27.14	0.31	-43.72	337 (8)	4354 (8)	17730 (8)
1-41-P	100	100	27.14	27.14	0.10	-87.79	677 (8)	8743 (8)	35602 (8)
1-42-P	100	100	27.14	27.14	0.23	-31.91	308 (8)	3972 (8)	16174 (8)
1-43-P	100	100	27.14	27.14	0.34	-30.05	232 (8)	2992 (8)	12185 (8)
1-44-P	100	100	27.14	27.14	2.65	-10.39	80 (8)	2690 (8)	4212 (8)
1-45-P	100	100	27.14	27.14	11.86	-1.97	91 (8)	4808 (8)	1181 (8)
1-46-P	100	100	27.14	27.14	23.96	-0.09	185 (8)	9717 (8)	2386 (8)
1-47-P	100	100	27.14	27.14	23.29	0.00	180 (8)	9446 (8)	2319 (8)
1-48-P	100	100	27.14	27.14	22.79	-0.09	176 (8)	9244 (8)	2270 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
1-49-P	100	100	27.14	27.14	10.41	-0.63	80 (8)	4221 (8)	1036 (8)
1-50-P	100	100	27.14	27.14	0.64	-6.88	53 (8)	1301 (8)	2791 (8)
1-51-P	100	100	27.14	27.14	0.00	-11.73	151 (8)	1946 (8)	7926 (8)
1-52-P	100	100	27.14	27.14	0.31	-43.72	337 (8)	4354 (8)	17732 (8)
1-53-P	100	100	27.14	27.14	0.10	-87.80	677 (8)	8743 (8)	35604 (8)
1-54-P	100	100	27.14	27.14	0.23	-31.91	308 (8)	3972 (8)	16176 (8)
1-55-P	100	100	27.14	27.14	0.34	-30.05	232 (8)	2993 (8)	12187 (8)
1-56-P	100	100	27.14	27.14	2.65	-10.39	80 (8)	2688 (8)	4215 (8)
1-57-P	100	100	27.14	27.14	11.84	-1.97	91 (8)	4803 (8)	1179 (8)
1-58-P	100	100	27.14	27.14	23.94	-0.09	185 (8)	9709 (8)	2384 (8)
1-59-P	100	100	27.14	27.14	23.26	0.00	179 (8)	9432 (8)	2316 (8)
1-60-P	100	100	27.14	27.14	22.75	-0.09	175 (8)	9225 (8)	2265 (8)
1-61-P	100	100	27.14	27.14	10.35	-0.63	80 (8)	4197 (8)	1031 (8)
1-62-P	100	100	27.14	27.14	0.63	-6.94	54 (8)	1277 (8)	2815 (8)
1-63-P	100	100	27.14	27.14	0.00	-11.79	152 (8)	1957 (8)	7968 (8)
1-64-P	100	100	27.14	27.14	0.31	-43.84	338 (8)	4366 (8)	17778 (8)
1-65-P	100	100	27.14	27.14	0.10	-87.91	678 (8)	8754 (8)	35649 (8)
1-66-P	100	100	27.14	27.14	0.22	-31.99	308 (8)	3982 (8)	16216 (8)
1-67-P	100	100	27.14	27.14	0.33	-30.15	233 (8)	3003 (8)	12227 (8)
1-68-P	100	100	27.14	27.14	2.63	-10.30	79 (8)	2669 (8)	4178 (8)
1-69-P	100	100	27.14	27.14	12.16	-1.90	94 (8)	4930 (8)	1211 (8)
1-70-P	100	100	27.14	27.14	24.62	-0.08	190 (8)	9982 (8)	2451 (8)
1-71-P	100	100	27.14	27.14	24.16	0.00	186 (8)	9798 (8)	2406 (8)
1-72-P	100	100	27.14	27.14	23.86	-0.07	184 (8)	9675 (8)	2376 (8)
1-73-P	100	100	27.14	27.14	12.60	-1.50	97 (8)	5108 (8)	1254 (8)
1-74-P	100	100	27.14	27.14	2.38	-7.05	54 (8)	2409 (8)	2858 (8)
1-75-P	100	100	27.14	27.14	0.08	-28.75	222 (8)	2863 (8)	11658 (8)
1-76-P	100	100	27.14	27.14	0.26	-68.58	529 (8)	6830 (8)	27812 (8)
1-77-P	100	100	27.14	27.14	0.00	-112.49	868 (8)	11202 (8)	45620 (8)
1-78-P	100	100	27.14	27.14	0.27	-67.45	520 (8)	6716 (8)	27351 (8)
1-79-P	100	100	27.14	27.14	0.36	-30.30	234 (8)	3017 (8)	12287 (8)
1-80-P	100	100	27.14	27.14	1.51	-12.42	96 (8)	1533 (8)	5035 (8)
1-81-P	100	100	27.14	27.14	13.72	-5.59	132 (8)	6957 (8)	2269 (8)
3-1-P	100	100	22.62	22.62	1.89	-12.84	109 (8)	3849 (8)	6231 (8)
3-2-P	100	100	22.62	22.62	0.00	-19.18	163 (8)	2074 (8)	9307 (8)
3-3-P	100	100	22.62	22.62	0.00	-27.41	232 (8)	2964 (8)	13298 (8)
3-4-P	100	100	22.62	22.62	0.09	-21.47	182 (8)	2322 (8)	10418 (8)
3-5-P	100	100	22.62	22.62	2.70	-18.05	153 (8)	2293 (8)	8759 (8)
3-6-P	100	100	22.62	22.62	4.55	-28.14	238 (8)	4213 (8)	13655 (8)
3-7-P	100	100	22.62	22.62	0.33	-32.17	273 (8)	3479 (8)	15609 (8)
3-8-P	100	100	22.62	22.62	0.00	-31.58	268 (8)	3416 (8)	15325 (8)
3-9-P	100	100	22.62	22.62	2.24	-27.90	236 (8)	3798 (8)	13538 (8)
3-10-P	100	100	22.62	22.62	4.98	-26.41	224 (8)	7251 (8)	12813 (8)
3-11-P	100	100	22.62	22.62	3.35	-27.26	231 (8)	5692 (8)	13226 (8)
3-12-P	100	100	22.62	22.62	2.34	-28.72	243 (8)	4762 (8)	13937 (8)
3-13-P	100	100	22.62	22.62	0.00	-35.45	300 (8)	3833 (8)	17198 (8)
3-14-P	100	100	22.62	22.62	0.00	-46.15	391 (8)	4991 (8)	22392 (8)
3-15-P	100	100	22.62	22.62	0.00	-50.87	431 (8)	5501 (8)	24682 (8)
3-16-P	100	100	22.62	22.62	0.00	-46.61	395 (8)	5041 (8)	22616 (8)
3-17-P	100	100	22.62	22.62	0.28	-42.64	361 (8)	4611 (8)	20688 (8)
3-18-P	100	100	22.62	22.62	0.14	-49.91	423 (8)	5397 (8)	24215 (8)
3-19-P	100	100	22.62	22.62	0.00	-57.18	484 (8)	6184 (8)	27742 (8)
3-20-P	100	100	22.62	22.62	0.00	-55.68	472 (8)	6021 (8)	27014 (8)
3-21-P	100	100	22.62	22.62	0.00	-48.24	409 (8)	5217 (8)	23404 (8)
3-22-P	100	100	22.62	22.62	0.36	-42.83	363 (8)	4632 (8)	20783 (8)
3-23-P	100	100	22.62	22.62	0.16	-43.60	369 (8)	4715 (8)	21153 (8)
3-24-P	100	100	22.62	22.62	0.10	-44.49	377 (8)	4812 (8)	21587 (8)
3-25-P	100	100	22.62	22.62	0.00	-52.09	441 (8)	5634 (8)	25276 (8)
3-26-P	100	100	22.62	22.62	0.00	-61.48	521 (8)	6649 (8)	29832 (8)
3-27-P	100	100	22.62	22.62	0.00	-64.97	550 (8)	7026 (8)	31523 (8)
3-28-P	100	100	22.62	22.62	0.00	-59.60	505 (8)	6446 (8)	28919 (8)
3-29-P	100	100	22.62	22.62	0.02	-54.26	460 (8)	5868 (8)	26326 (8)
3-30-P	100	100	22.62	22.62	0.00	-60.70	514 (8)	6565 (8)	29452 (8)
3-31-P	100	100	22.62	22.62	0.00	-67.17	569 (8)	7264 (8)	32589 (8)
3-32-P	100	100	22.62	22.62	0.00	-64.80	549 (8)	7008 (8)	31441 (8)
3-33-P	100	100	22.62	22.62	0.00	-56.55	479 (8)	6115 (8)	27436 (8)
3-34-P	100	100	22.62	22.62	0.00	-49.99	424 (8)	5407 (8)	24256 (8)
3-35-P	100	100	22.62	22.62	0.00	-50.24	426 (8)	5433 (8)	24376 (8)
3-36-P	100	100	22.62	22.62	0.00	-50.49	428 (8)	5460 (8)	24496 (8)
3-37-P	100	100	22.62	22.62	0.00	-57.54	488 (8)	6223 (8)	27920 (8)
3-38-P	100	100	22.62	22.62	0.00	-66.30	562 (8)	7170 (8)	32169 (8)
3-39-P	100	100	22.62	22.62	0.00	-69.18	586 (8)	7482 (8)	33566 (8)
3-40-P	100	100	22.62	22.62	0.00	-63.24	536 (8)	6840 (8)	30685 (8)
3-41-P	100	100	22.62	22.62	0.00	-57.30	486 (8)	6197 (8)	27804 (8)
3-42-P	100	100	22.62	22.62	0.00	-63.24	536 (8)	6840 (8)	30685 (8)
3-43-P	100	100	22.62	22.62	0.00	-69.18	586 (8)	7482 (8)	33566 (8)
3-44-P	100	100	22.62	22.62	0.00	-66.30	562 (8)	7170 (8)	32169 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
3-45-P	100	100	22.62	22.62	0.00	-57.54	488 (8)	6223 (8)	27920 (8)
3-46-P	100	100	22.62	22.62	0.00	-50.49	428 (8)	5460 (8)	24496 (8)
3-47-P	100	100	22.62	22.62	0.00	-50.24	426 (8)	5433 (8)	24376 (8)
3-48-P	100	100	22.62	22.62	0.00	-49.99	424 (8)	5407 (8)	24256 (8)
3-49-P	100	100	22.62	22.62	0.00	-56.55	479 (8)	6115 (8)	27436 (8)
3-50-P	100	100	22.62	22.62	0.00	-64.80	549 (8)	7008 (8)	31441 (8)
3-51-P	100	100	22.62	22.62	0.00	-67.17	569 (8)	7264 (8)	32589 (8)
3-52-P	100	100	22.62	22.62	0.00	-60.70	514 (8)	6565 (8)	29452 (8)
3-53-P	100	100	22.62	22.62	0.02	-54.26	460 (8)	5868 (8)	26326 (8)
3-54-P	100	100	22.62	22.62	0.00	-59.60	505 (8)	6446 (8)	28919 (8)
3-55-P	100	100	22.62	22.62	0.00	-64.97	550 (8)	7026 (8)	31523 (8)
3-56-P	100	100	22.62	22.62	0.00	-61.48	521 (8)	6649 (8)	29832 (8)
3-57-P	100	100	22.62	22.62	0.00	-52.09	441 (8)	5634 (8)	25276 (8)
3-58-P	100	100	22.62	22.62	0.10	-44.49	377 (8)	4812 (8)	21587 (8)
3-59-P	100	100	22.62	22.62	0.16	-43.60	369 (8)	4715 (8)	21153 (8)
3-60-P	100	100	22.62	22.62	0.36	-42.83	363 (8)	4632 (8)	20783 (8)
3-61-P	100	100	22.62	22.62	0.00	-48.24	409 (8)	5217 (8)	23404 (8)
3-62-P	100	100	22.62	22.62	0.00	-55.68	472 (8)	6021 (8)	27014 (8)
3-63-P	100	100	22.62	22.62	0.00	-57.18	484 (8)	6184 (8)	27742 (8)
3-64-P	100	100	22.62	22.62	0.14	-49.91	423 (8)	5397 (8)	24215 (8)
3-65-P	100	100	22.62	22.62	0.28	-42.64	361 (8)	4611 (8)	20688 (8)
3-66-P	100	100	22.62	22.62	0.00	-46.61	395 (8)	5041 (8)	22616 (8)
3-67-P	100	100	22.62	22.62	0.00	-50.87	431 (8)	5501 (8)	24682 (8)
3-68-P	100	100	22.62	22.62	0.00	-46.15	391 (8)	4991 (8)	22392 (8)
3-69-P	100	100	22.62	22.62	0.00	-35.45	300 (8)	3833 (8)	17198 (8)
3-70-P	100	100	22.62	22.62	2.34	-28.72	243 (8)	4762 (8)	13937 (8)
3-71-P	100	100	22.62	22.62	3.35	-27.26	231 (8)	5692 (8)	13226 (8)
3-72-P	100	100	22.62	22.62	4.98	-26.41	224 (8)	7251 (8)	12813 (8)
3-73-P	100	100	22.62	22.62	2.24	-27.90	236 (8)	3798 (8)	13538 (8)
3-74-P	100	100	22.62	22.62	0.00	-31.58	268 (8)	3416 (8)	15325 (8)
3-75-P	100	100	22.62	22.62	0.33	-32.17	273 (8)	3479 (8)	15609 (8)
3-76-P	100	100	22.62	22.62	4.55	-28.14	238 (8)	4213 (8)	13655 (8)
3-77-P	100	100	22.62	22.62	2.70	-18.05	153 (8)	2293 (8)	8759 (8)
3-78-P	100	100	22.62	22.62	0.09	-21.47	182 (8)	2322 (8)	10418 (8)
3-79-P	100	100	22.62	22.62	0.00	-27.41	232 (8)	2964 (8)	13298 (8)
3-80-P	100	100	22.62	22.62	0.00	-19.18	163 (8)	2074 (8)	9307 (8)
3-81-P	100	100	22.62	22.62	1.89	-12.84	109 (8)	3849 (8)	6231 (8)
4-1-P	100	100	22.62	22.62	11.94	0.00	95 (5)	5467 (5)	1219 (5)
4-2-P	100	100	22.62	22.62	3.23	-7.95	67 (8)	3296 (8)	3859 (8)
4-3-P	100	100	22.62	22.62	7.33	-26.51	225 (8)	7467 (8)	12863 (8)
4-4-P	100	100	22.62	22.62	0.00	-96.10	814 (8)	10393 (8)	46627 (8)
4-5-P	100	100	22.62	22.62	0.38	-173.39	1469 (8)	18752 (8)	84130 (8)
4-6-P	100	100	22.62	22.62	1.17	-100.20	849 (8)	10837 (8)	48618 (8)
4-7-P	100	100	22.62	22.62	10.29	-35.35	300 (8)	5245 (8)	17153 (8)
4-8-P	100	100	22.62	22.62	36.18	-22.86	307 (8)	17554 (8)	11090 (8)
4-9-P	100	100	22.62	22.62	80.66	0.00	324 (5)	18543 (5)	4974 (5)
4-10-P	100	100	22.62	22.62	95.33	0.00	361 (5)	20681 (5)	4610 (5)
4-11-P	100	100	22.62	22.62	96.04	0.00	346 (5)	19811 (5)	4416 (5)
4-12-P	100	100	22.62	22.62	96.76	0.00	332 (5)	19031 (5)	4242 (5)
4-13-P	100	100	22.62	22.62	84.54	0.00	208 (5)	11936 (5)	2660 (5)
4-14-P	100	100	22.62	22.62	69.10	0.00	152 (5)	8691 (5)	3724 (5)
4-15-P	100	100	22.62	22.62	0.00	-34.09	289 (8)	3687 (8)	16541 (8)
4-16-P	100	100	22.62	22.62	0.00	-108.90	923 (8)	11778 (8)	52840 (8)
4-17-P	100	100	22.62	22.62	0.09	-183.81	1557 (8)	19878 (8)	89184 (8)
4-18-P	100	100	22.62	22.62	0.07	-111.49	945 (8)	12057 (8)	54094 (8)
4-19-P	100	100	22.62	22.62	0.04	-39.16	332 (8)	4235 (8)	19000 (8)
4-20-P	100	100	22.62	22.62	18.89	-20.42	198 (8)	11319 (8)	9906 (8)
4-21-P	100	100	22.62	22.62	76.99	0.00	184 (5)	10546 (5)	3274 (5)
4-22-P	100	100	22.62	22.62	87.87	0.00	215 (5)	12295 (5)	2740 (5)
4-23-P	100	100	22.62	22.62	86.82	0.00	205 (5)	11730 (5)	2614 (5)
4-24-P	100	100	22.62	22.62	85.78	0.00	197 (5)	11273 (5)	2513 (5)
4-25-P	100	100	22.62	22.62	72.84	0.00	136 (5)	7784 (5)	1735 (5)
4-26-P	100	100	22.62	22.62	7.46	-14.42	122 (8)	6336 (8)	6997 (8)
4-27-P	100	100	22.62	22.62	0.00	-46.36	393 (8)	5014 (8)	22495 (8)
4-28-P	100	100	22.62	22.62	0.00	-120.48	1021 (8)	13030 (8)	58459 (8)
4-29-P	100	100	22.62	22.62	0.01	-194.61	1649 (8)	21047 (8)	94427 (8)
4-30-P	100	100	22.62	22.62	0.00	-121.62	1030 (8)	13153 (8)	59011 (8)
4-31-P	100	100	22.62	22.62	0.00	-48.64	412 (8)	5260 (8)	23600 (8)
4-32-P	100	100	22.62	22.62	9.11	-19.50	165 (8)	7143 (8)	9459 (8)
4-33-P	100	100	22.62	22.62	67.17	0.00	119 (5)	6791 (5)	2882 (5)
4-34-P	100	100	22.62	22.62	78.70	0.00	144 (5)	8224 (5)	1833 (5)
4-35-P	100	100	22.62	22.62	78.35	0.00	147 (5)	8439 (5)	1881 (5)
4-36-P	100	100	22.62	22.62	78.00	0.00	146 (5)	8342 (5)	1859 (5)
4-37-P	100	100	22.62	22.62	65.77	0.00	104 (5)	5953 (5)	2490 (5)
4-38-P	100	100	22.62	22.62	6.47	-18.49	157 (8)	5989 (8)	8971 (8)
4-39-P	100	100	22.62	22.62	0.00	-50.83	431 (8)	5498 (8)	24665 (8)
4-40-P	100	100	22.62	22.62	0.00	-124.38	1054 (8)	13451 (8)	60348 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
4-41-P	100	100	22.62	22.62	0.00	-197.92	1677 (8)	21405 (8)	96030 (8)
4-42-P	100	100	22.62	22.62	0.00	-124.38	1054 (8)	13451 (8)	60348 (8)
4-43-P	100	100	22.62	22.62	0.00	-50.83	431 (8)	5498 (8)	24665 (8)
4-44-P	100	100	22.62	22.62	6.47	-18.49	157 (8)	5989 (8)	8971 (8)
4-45-P	100	100	22.62	22.62	65.77	0.00	104 (5)	5953 (5)	2490 (5)
4-46-P	100	100	22.62	22.62	78.00	0.00	146 (5)	8342 (5)	1859 (5)
4-47-P	100	100	22.62	22.62	78.35	0.00	147 (5)	8439 (5)	1881 (5)
4-48-P	100	100	22.62	22.62	78.70	0.00	144 (5)	8224 (5)	1833 (5)
4-49-P	100	100	22.62	22.62	67.17	0.00	119 (5)	6791 (5)	2882 (5)
4-50-P	100	100	22.62	22.62	9.11	-19.50	165 (8)	7143 (8)	9459 (8)
4-51-P	100	100	22.62	22.62	0.00	-48.64	412 (8)	5260 (8)	23600 (8)
4-52-P	100	100	22.62	22.62	0.00	-121.62	1030 (8)	13153 (8)	59011 (8)
4-53-P	100	100	22.62	22.62	0.01	-194.61	1649 (8)	21047 (8)	94427 (8)
4-54-P	100	100	22.62	22.62	0.00	-120.48	1021 (8)	13030 (8)	58459 (8)
4-55-P	100	100	22.62	22.62	0.00	-46.36	393 (8)	5014 (8)	22495 (8)
4-56-P	100	100	22.62	22.62	7.46	-14.42	122 (8)	6336 (8)	6997 (8)
4-57-P	100	100	22.62	22.62	72.84	0.00	136 (5)	7784 (5)	1735 (5)
4-58-P	100	100	22.62	22.62	85.78	0.00	197 (5)	11273 (5)	2513 (5)
4-59-P	100	100	22.62	22.62	86.82	0.00	205 (5)	11730 (5)	2614 (5)
4-60-P	100	100	22.62	22.62	87.87	0.00	215 (5)	12295 (5)	2740 (5)
4-61-P	100	100	22.62	22.62	76.99	0.00	184 (5)	10546 (5)	3274 (5)
4-62-P	100	100	22.62	22.62	18.89	-20.42	198 (8)	11319 (8)	9906 (8)
4-63-P	100	100	22.62	22.62	0.04	-39.16	332 (8)	4235 (8)	19000 (8)
4-64-P	100	100	22.62	22.62	0.07	-111.49	945 (8)	12057 (8)	54094 (8)
4-65-P	100	100	22.62	22.62	0.09	-183.81	1557 (8)	19878 (8)	89184 (8)
4-66-P	100	100	22.62	22.62	0.00	-108.90	923 (8)	11778 (8)	52840 (8)
4-67-P	100	100	22.62	22.62	0.00	-34.09	289 (8)	3687 (8)	16541 (8)
4-68-P	100	100	22.62	22.62	69.10	0.00	152 (5)	8691 (5)	3724 (5)
4-69-P	100	100	22.62	22.62	84.54	0.00	208 (5)	11936 (5)	2660 (5)
4-70-P	100	100	22.62	22.62	96.76	0.00	332 (5)	19031 (5)	4242 (5)
4-71-P	100	100	22.62	22.62	96.04	0.00	346 (5)	19811 (5)	4416 (5)
4-72-P	100	100	22.62	22.62	95.33	0.00	361 (5)	20681 (5)	4610 (5)
4-73-P	100	100	22.62	22.62	80.66	0.00	324 (5)	18543 (5)	4974 (5)
4-74-P	100	100	22.62	22.62	36.18	-22.86	307 (8)	17554 (8)	11090 (8)
4-75-P	100	100	22.62	22.62	10.29	-35.35	300 (8)	5245 (8)	17153 (8)
4-76-P	100	100	22.62	22.62	1.17	-100.20	849 (8)	10837 (8)	48618 (8)
4-77-P	100	100	22.62	22.62	0.38	-173.39	1469 (8)	18752 (8)	84130 (8)
4-78-P	100	100	22.62	22.62	0.00	-96.10	814 (8)	10393 (8)	46627 (8)
4-79-P	100	100	22.62	22.62	7.33	-26.51	225 (8)	7467 (8)	12863 (8)
4-80-P	100	100	22.62	22.62	3.23	-7.95	67 (8)	3296 (8)	3859 (8)
4-81-P	100	100	22.62	22.62	11.94	0.00	95 (5)	5467 (5)	1219 (5)
5-1-P	100	100	27.14	27.14	1.79	-8.17	59 (5)	763 (5)	3107 (5)
5-2-P	100	100	27.14	27.14	0.33	-14.33	111 (8)	1427 (8)	5810 (8)
5-3-P	100	100	27.14	27.14	0.55	-21.02	162 (8)	2093 (8)	8523 (8)
5-4-P	100	100	27.14	27.14	1.40	-27.45	247 (8)	3189 (8)	12988 (8)
5-5-P	100	100	27.14	27.14	2.69	-34.26	308 (8)	3980 (8)	16209 (8)
5-6-P	100	100	27.14	27.14	5.55	-21.78	220 (8)	3938 (8)	11591 (8)
5-7-P	100	100	27.14	27.14	9.64	-10.47	135 (8)	4889 (8)	7075 (8)
5-8-P	100	100	27.14	27.14	39.07	0.00	158 (5)	8307 (5)	3348 (5)
5-9-P	100	100	27.14	27.14	59.73	0.00	265 (5)	13941 (5)	3423 (5)
5-10-P	100	100	27.14	27.14	76.72	0.00	363 (5)	19069 (5)	4683 (5)
5-11-P	100	100	27.14	27.14	78.98	0.00	366 (5)	19237 (5)	4724 (5)
5-12-P	100	100	27.14	27.14	81.25	0.00	369 (5)	19406 (5)	4765 (5)
5-13-P	100	100	27.14	27.14	69.22	0.00	276 (5)	14531 (5)	3568 (5)
5-14-P	100	100	27.14	27.14	53.62	0.00	169 (5)	8879 (5)	2667 (5)
5-15-P	100	100	27.14	27.14	13.38	-10.61	136 (8)	6782 (8)	7171 (8)
5-16-P	100	100	27.14	27.14	9.93	-21.00	227 (8)	7047 (8)	11921 (8)
5-17-P	100	100	27.14	27.14	7.63	-32.46	329 (8)	6495 (8)	17277 (8)
5-18-P	100	100	27.14	27.14	9.19	-21.76	235 (8)	6521 (8)	12354 (8)
5-19-P	100	100	27.14	27.14	11.49	-11.74	151 (8)	7769 (8)	7932 (8)
5-20-P	100	100	27.14	27.14	52.46	0.00	130 (5)	6819 (5)	2165 (5)
5-21-P	100	100	27.14	27.14	68.17	0.00	228 (5)	11984 (5)	2943 (5)
5-22-P	100	100	27.14	27.14	80.58	0.00	314 (5)	16516 (5)	4056 (5)
5-23-P	100	100	27.14	27.14	79.76	0.00	308 (5)	16199 (5)	3978 (5)
5-24-P	100	100	27.14	27.14	78.95	0.00	302 (5)	15882 (5)	3900 (5)
5-25-P	100	100	27.14	27.14	65.00	0.00	201 (5)	10557 (5)	2592 (5)
5-26-P	100	100	27.14	27.14	47.76	0.00	120 (5)	6316 (5)	2488 (5)
5-27-P	100	100	27.14	27.14	7.76	-14.39	185 (8)	5248 (8)	9723 (8)
5-28-P	100	100	27.14	27.14	5.47	-25.89	280 (8)	5175 (8)	14699 (8)
5-29-P	100	100	27.14	27.14	4.05	-38.21	387 (8)	4994 (8)	20335 (8)
5-30-P	100	100	27.14	27.14	5.05	-26.66	288 (8)	4774 (8)	15134 (8)
5-31-P	100	100	27.14	27.14	6.34	-15.34	197 (8)	6424 (8)	10366 (8)
5-32-P	100	100	27.14	27.14	43.71	0.00	129 (5)	6772 (5)	3242 (5)
5-33-P	100	100	27.14	27.14	59.64	0.00	160 (5)	8400 (5)	2063 (5)
5-34-P	100	100	27.14	27.14	72.32	0.00	253 (5)	13315 (5)	3270 (5)
5-35-P	100	100	27.14	27.14	71.95	0.00	251 (5)	13197 (5)	3241 (5)
5-36-P	100	100	27.14	27.14	71.58	0.00	249 (5)	13080 (5)	3212 (5)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
5-37-P	100	100	27.14	27.14	58.18	0.00	150 (5)	7878 (5)	1935 (5)
5-38-P	100	100	27.14	27.14	41.52	0.00	113 (5)	5920 (5)	3622 (5)
5-39-P	100	100	27.14	27.14	5.34	-16.77	216 (8)	5411 (8)	11332 (8)
5-40-P	100	100	27.14	27.14	3.86	-28.50	308 (8)	4111 (8)	16182 (8)
5-41-P	100	100	27.14	27.14	2.90	-40.69	412 (8)	5318 (8)	21657 (8)
5-42-P	100	100	27.14	27.14	3.86	-28.50	308 (8)	4111 (8)	16182 (8)
5-43-P	100	100	27.14	27.14	5.34	-16.77	216 (8)	5411 (8)	11332 (8)
5-44-P	100	100	27.14	27.14	41.52	0.00	113 (5)	5920 (5)	3622 (5)
5-45-P	100	100	27.14	27.14	58.18	0.00	150 (5)	7878 (5)	1935 (5)
5-46-P	100	100	27.14	27.14	71.58	0.00	249 (5)	13080 (5)	3212 (5)
5-47-P	100	100	27.14	27.14	71.95	0.00	251 (5)	13197 (5)	3241 (5)
5-48-P	100	100	27.14	27.14	72.32	0.00	253 (5)	13315 (5)	3270 (5)
5-49-P	100	100	27.14	27.14	59.64	0.00	160 (5)	8400 (5)	2063 (5)
5-50-P	100	100	27.14	27.14	43.71	0.00	129 (5)	6772 (5)	3242 (5)
5-51-P	100	100	27.14	27.14	6.34	-15.34	197 (8)	6424 (8)	10366 (8)
5-52-P	100	100	27.14	27.14	5.05	-26.66	288 (8)	4774 (8)	15134 (8)
5-53-P	100	100	27.14	27.14	4.05	-38.21	387 (8)	4994 (8)	20335 (8)
5-54-P	100	100	27.14	27.14	5.47	-25.89	280 (8)	5175 (8)	14699 (8)
5-55-P	100	100	27.14	27.14	7.76	-14.39	185 (8)	5248 (8)	9723 (8)
5-56-P	100	100	27.14	27.14	47.76	0.00	120 (5)	6316 (5)	2488 (5)
5-57-P	100	100	27.14	27.14	65.00	0.00	201 (5)	10557 (5)	2592 (5)
5-58-P	100	100	27.14	27.14	78.95	0.00	302 (5)	15882 (5)	3900 (5)
5-59-P	100	100	27.14	27.14	79.76	0.00	308 (5)	16199 (5)	3978 (5)
5-60-P	100	100	27.14	27.14	80.58	0.00	314 (5)	16516 (5)	4056 (5)
5-61-P	100	100	27.14	27.14	68.17	0.00	228 (5)	11984 (5)	2943 (5)
5-62-P	100	100	27.14	27.14	52.46	0.00	130 (5)	6819 (5)	2165 (5)
5-63-P	100	100	27.14	27.14	11.49	-11.74	151 (8)	7769 (8)	7932 (8)
5-64-P	100	100	27.14	27.14	9.19	-21.76	235 (8)	6521 (8)	12354 (8)
5-65-P	100	100	27.14	27.14	7.63	-32.46	329 (8)	6495 (8)	17277 (8)
5-66-P	100	100	27.14	27.14	9.93	-21.00	227 (8)	7047 (8)	11921 (8)
5-67-P	100	100	27.14	27.14	13.38	-10.61	136 (8)	6782 (8)	7171 (8)
5-68-P	100	100	27.14	27.14	53.62	0.00	169 (5)	8879 (5)	2667 (5)
5-69-P	100	100	27.14	27.14	69.22	0.00	276 (5)	14531 (5)	3568 (5)
5-70-P	100	100	27.14	27.14	81.25	0.00	369 (5)	19406 (5)	4765 (5)
5-71-P	100	100	27.14	27.14	78.98	0.00	366 (5)	19237 (5)	4724 (5)
5-72-P	100	100	27.14	27.14	76.72	0.00	363 (5)	19069 (5)	4683 (5)
5-73-P	100	100	27.14	27.14	59.73	0.00	265 (5)	13941 (5)	3423 (5)
5-74-P	100	100	27.14	27.14	39.07	0.00	158 (5)	8307 (5)	3348 (5)
5-75-P	100	100	27.14	27.14	9.64	-10.47	135 (8)	4889 (8)	7075 (8)
5-76-P	100	100	27.14	27.14	5.55	-21.78	220 (8)	3938 (8)	11591 (8)
5-77-P	100	100	27.14	27.14	2.69	-34.26	308 (8)	3980 (8)	16209 (8)
5-78-P	100	100	27.14	27.14	1.40	-27.45	247 (8)	3189 (8)	12988 (8)
5-79-P	100	100	27.14	27.14	0.55	-21.02	162 (8)	2093 (8)	8523 (8)
5-80-P	100	100	27.14	27.14	0.33	-14.33	111 (8)	1427 (8)	5810 (8)
5-81-P	100	100	27.14	27.14	1.79	-8.17	59 (5)	763 (5)	3107 (5)
6-1-P	100	100	22.62	22.62	3.49	-0.63	30 (8)	1693 (8)	1523 (8)
6-2-P	100	100	22.62	22.62	0.42	-10.48	26 (5)	489 (5)	1474 (5)
6-3-P	100	100	22.62	22.62	0.80	-20.92	87 (5)	1678 (5)	4978 (5)
6-4-P	100	100	22.62	22.62	7.10	-7.10	180 (8)	3444 (8)	10329 (8)
6-5-P	100	100	22.62	22.62	7.40	-39.85	334 (5)	9683 (5)	19145 (5)
6-6-P	100	100	22.62	22.62	22.55	-6.52	193 (8)	10940 (8)	11072 (8)
6-7-P	100	100	22.62	22.62	28.96	-3.65	245 (8)	14050 (8)	4425 (8)
6-8-P	100	100	22.62	22.62	37.67	-0.81	319 (8)	18278 (8)	4074 (8)
6-9-P	100	100	22.62	22.62	58.61	0.00	426 (5)	24385 (5)	5435 (5)
6-10-P	100	100	22.62	22.62	76.82	0.00	519 (5)	29739 (5)	6629 (5)
6-11-P	100	100	22.62	22.62	79.70	0.00	533 (5)	30508 (5)	6800 (5)
6-12-P	100	100	22.62	22.62	82.58	0.00	546 (5)	31276 (5)	6971 (5)
6-13-P	100	100	22.62	22.62	70.62	0.00	486 (5)	27833 (5)	6204 (5)
6-14-P	100	100	22.62	22.62	54.96	0.00	408 (5)	23338 (5)	5202 (5)
6-15-P	100	100	22.62	22.62	41.76	0.00	354 (8)	20261 (8)	4516 (8)
6-16-P	100	100	22.62	22.62	39.31	-0.04	333 (8)	19074 (8)	4251 (8)
6-17-P	100	100	22.62	22.62	41.74	-4.87	354 (8)	20251 (8)	12400 (8)
6-18-P	100	100	22.62	22.62	40.47	-1.65	343 (8)	19635 (8)	5590 (8)
6-19-P	100	100	22.62	22.62	41.80	-0.72	350 (5)	20045 (5)	4468 (5)
6-20-P	100	100	22.62	22.62	57.47	0.00	398 (5)	22820 (5)	5086 (5)
6-21-P	100	100	22.62	22.62	74.40	0.00	477 (5)	27313 (5)	6088 (5)
6-22-P	100	100	22.62	22.62	87.82	0.00	538 (5)	30839 (5)	6874 (5)
6-23-P	100	100	22.62	22.62	87.23	0.00	532 (5)	30495 (5)	6797 (5)
6-24-P	100	100	22.62	22.62	86.65	0.00	526 (5)	30151 (5)	6720 (5)
6-25-P	100	100	22.62	22.62	72.16	0.00	453 (5)	25969 (5)	5788 (5)
6-26-P	100	100	22.62	22.62	54.20	0.00	364 (5)	20827 (5)	4642 (5)
6-27-P	100	100	22.62	22.62	36.92	0.00	301 (5)	17240 (5)	3843 (5)
6-28-P	100	100	22.62	22.62	32.95	-0.54	279 (8)	15985 (8)	3563 (8)
6-29-P	100	100	22.62	22.62	35.09	-5.72	297 (8)	17028 (8)	14561 (8)
6-30-P	100	100	22.62	22.62	32.76	-1.58	278 (8)	15895 (8)	5378 (8)
6-31-P	100	100	22.62	22.62	34.32	0.00	280 (5)	16045 (5)	3576 (5)
6-32-P	100	100	22.62	22.62	50.36	0.00	333 (5)	19052 (5)	4247 (5)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
6-33-P	100	100	22.62	22.62	67.13	0.00	413 (5)	23624 (5)	5266 (5)
6-34-P	100	100	22.62	22.62	80.47	0.00	476 (5)	27250 (5)	6074 (5)
6-35-P	100	100	22.62	22.62	80.08	0.00	473 (5)	27086 (5)	6037 (5)
6-36-P	100	100	22.62	22.62	79.70	0.00	470 (5)	26922 (5)	6001 (5)
6-37-P	100	100	22.62	22.62	65.60	0.00	401 (5)	22973 (5)	5121 (5)
6-38-P	100	100	22.62	22.62	48.08	0.00	316 (5)	18077 (5)	4029 (5)
6-39-P	100	100	22.62	22.62	31.31	0.00	258 (5)	14752 (5)	3288 (5)
6-40-P	100	100	22.62	22.62	29.29	-1.41	248 (8)	14209 (8)	4803 (8)
6-41-P	100	100	22.62	22.62	31.92	-6.49	270 (8)	15487 (8)	13217 (8)
6-42-P	100	100	22.62	22.62	29.29	-1.41	248 (8)	14209 (8)	4803 (8)
6-43-P	100	100	22.62	22.62	31.31	0.00	258 (5)	14752 (5)	3288 (5)
6-44-P	100	100	22.62	22.62	48.08	0.00	316 (5)	18077 (5)	4029 (5)
6-45-P	100	100	22.62	22.62	65.60	0.00	401 (5)	22973 (5)	5121 (5)
6-46-P	100	100	22.62	22.62	79.70	0.00	470 (5)	26922 (5)	6001 (5)
6-47-P	100	100	22.62	22.62	80.08	0.00	473 (5)	27086 (5)	6037 (5)
6-48-P	100	100	22.62	22.62	80.47	0.00	476 (5)	27250 (5)	6074 (5)
6-49-P	100	100	22.62	22.62	67.13	0.00	413 (5)	23624 (5)	5266 (5)
6-50-P	100	100	22.62	22.62	50.36	0.00	333 (5)	19052 (5)	4247 (5)
6-51-P	100	100	22.62	22.62	34.32	0.00	280 (5)	16045 (5)	3576 (5)
6-52-P	100	100	22.62	22.62	32.76	-1.58	278 (8)	15895 (8)	5378 (8)
6-53-P	100	100	22.62	22.62	35.09	-5.72	297 (8)	17028 (8)	14561 (8)
6-54-P	100	100	22.62	22.62	32.95	-0.54	279 (8)	15985 (8)	3563 (8)
6-55-P	100	100	22.62	22.62	36.92	0.00	301 (5)	17240 (5)	3843 (5)
6-56-P	100	100	22.62	22.62	54.20	0.00	364 (5)	20827 (5)	4642 (5)
6-57-P	100	100	22.62	22.62	72.16	0.00	453 (5)	25969 (5)	5788 (5)
6-58-P	100	100	22.62	22.62	86.65	0.00	526 (5)	30151 (5)	6720 (5)
6-59-P	100	100	22.62	22.62	87.23	0.00	532 (5)	30495 (5)	6797 (5)
6-60-P	100	100	22.62	22.62	87.82	0.00	538 (5)	30839 (5)	6874 (5)
6-61-P	100	100	22.62	22.62	74.40	0.00	477 (5)	27313 (5)	6088 (5)
6-62-P	100	100	22.62	22.62	57.47	0.00	398 (5)	22820 (5)	5086 (5)
6-63-P	100	100	22.62	22.62	41.80	-0.72	350 (5)	20045 (5)	4468 (5)
6-64-P	100	100	22.62	22.62	40.47	-1.65	343 (8)	19635 (8)	5590 (8)
6-65-P	100	100	22.62	22.62	41.74	-4.87	354 (8)	20251 (8)	12400 (8)
6-66-P	100	100	22.62	22.62	39.31	-0.04	333 (8)	19074 (8)	4251 (8)
6-67-P	100	100	22.62	22.62	41.76	0.00	354 (8)	20261 (8)	4516 (8)
6-68-P	100	100	22.62	22.62	54.96	0.00	408 (5)	23338 (5)	5202 (5)
6-69-P	100	100	22.62	22.62	70.62	0.00	486 (5)	27833 (5)	6204 (5)
6-70-P	100	100	22.62	22.62	82.58	0.00	546 (5)	31276 (5)	6971 (5)
6-71-P	100	100	22.62	22.62	79.70	0.00	533 (5)	30508 (5)	6800 (5)
6-72-P	100	100	22.62	22.62	76.82	0.00	519 (5)	29739 (5)	6629 (5)
6-73-P	100	100	22.62	22.62	58.61	0.00	426 (5)	24385 (5)	5435 (5)
6-74-P	100	100	22.62	22.62	37.67	-0.81	319 (8)	18278 (8)	4074 (8)
6-75-P	100	100	22.62	22.62	28.96	-3.65	245 (8)	14050 (8)	4425 (8)
6-76-P	100	100	22.62	22.62	22.55	-6.52	193 (8)	10940 (8)	11072 (8)
6-77-P	100	100	22.62	22.62	7.40	-39.85	334 (5)	9683 (5)	19145 (5)
6-78-P	100	100	22.62	22.62	7.10	-7.10	180 (8)	3444 (8)	10329 (8)
6-79-P	100	100	22.62	22.62	0.80	-20.92	87 (5)	1678 (5)	4978 (5)
6-80-P	100	100	22.62	22.62	0.42	-10.48	26 (5)	489 (5)	1474 (5)
6-81-P	100	100	22.62	22.62	3.49	-0.63	30 (8)	1693 (8)	1523 (8)
7-1-P	100	100	22.62	22.62	2.47	-8.21	116 (8)	1479 (8)	6637 (8)
7-2-P	100	100	22.62	22.62	0.51	-18.30	104 (5)	1586 (5)	5971 (5)
7-3-P	100	100	22.62	22.62	11.78	-24.09	204 (8)	5718 (8)	11689 (8)
7-4-P	100	100	22.62	22.62	0.00	-96.77	525 (5)	6699 (5)	30052 (5)
7-5-P	100	100	22.62	22.62	0.00	-162.56	937 (5)	11966 (5)	53683 (5)
7-6-P	100	100	22.62	22.62	0.09	-89.53	489 (5)	6247 (5)	28027 (5)
7-7-P	100	100	22.62	22.62	29.97	-28.60	254 (8)	14544 (8)	13877 (8)
7-8-P	100	100	22.62	22.62	42.41	-8.79	359 (8)	20578 (8)	4587 (8)
7-9-P	100	100	22.62	22.62	54.60	-0.24	424 (5)	24290 (5)	5414 (5)
7-10-P	100	100	22.62	22.62	75.71	0.00	539 (5)	30868 (5)	6881 (5)
7-11-P	100	100	22.62	22.62	78.86	0.00	558 (5)	31953 (5)	7122 (5)
7-12-P	100	100	22.62	22.62	82.01	0.00	577 (5)	33037 (5)	7364 (5)
7-13-P	100	100	22.62	22.62	66.80	0.00	498 (5)	28543 (5)	6362 (5)
7-14-P	100	100	22.62	22.62	47.01	0.00	396 (5)	22654 (5)	5050 (5)
7-15-P	100	100	22.62	22.62	19.41	-0.29	164 (8)	9418 (8)	2099 (8)
7-16-P	100	100	22.62	22.62	0.00	-58.00	269 (5)	3432 (5)	15397 (5)
7-17-P	100	100	22.62	22.62	0.00	-124.52	698 (5)	8914 (5)	39991 (5)
7-18-P	100	100	22.62	22.62	5.05	-36.42	309 (8)	6438 (8)	17671 (8)
7-19-P	100	100	22.62	22.62	35.01	-15.46	297 (8)	16986 (8)	7500 (8)
7-20-P	100	100	22.62	22.62	51.85	-0.26	408 (5)	23373 (5)	5210 (5)
7-21-P	100	100	22.62	22.62	73.26	0.00	512 (5)	29318 (5)	6535 (5)
7-22-P	100	100	22.62	22.62	90.51	0.00	598 (5)	34230 (5)	7630 (5)
7-23-P	100	100	22.62	22.62	90.07	0.00	592 (5)	33920 (5)	7561 (5)
7-24-P	100	100	22.62	22.62	89.62	0.00	587 (5)	33610 (5)	7492 (5)
7-25-P	100	100	22.62	22.62	71.60	0.00	491 (5)	28122 (5)	6268 (5)
7-26-P	100	100	22.62	22.62	49.19	0.00	373 (5)	21339 (5)	4756 (5)
7-27-P	100	100	22.62	22.62	20.20	-5.31	171 (8)	9802 (8)	2849 (8)
7-28-P	100	100	22.62	22.62	0.00	-59.82	318 (5)	4064 (5)	18232 (5)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
7-29-P	100	100	22.62	22.62	0.00	-128.07	751 (5)	9584 (5)	42998 (5)
7-30-P	100	100	22.62	22.62	0.01	-61.11	345 (5)	4408 (5)	19778 (5)
7-31-P	100	100	22.62	22.62	26.69	-14.34	226 (8)	12949 (8)	6958 (8)
7-32-P	100	100	22.62	22.62	45.44	0.00	341 (5)	19522 (5)	4351 (5)
7-33-P	100	100	22.62	22.62	66.72	0.00	449 (5)	25714 (5)	5732 (5)
7-34-P	100	100	22.62	22.62	83.66	0.00	535 (5)	30644 (5)	6830 (5)
7-35-P	100	100	22.62	22.62	83.25	0.00	532 (5)	30466 (5)	6791 (5)
7-36-P	100	100	22.62	22.62	82.85	0.00	529 (5)	30288 (5)	6751 (5)
7-37-P	100	100	22.62	22.62	65.12	0.00	437 (5)	25009 (5)	5574 (5)
7-38-P	100	100	22.62	22.62	43.06	0.00	322 (5)	18453 (5)	4113 (5)
7-39-P	100	100	22.62	22.62	21.58	-12.11	183 (8)	10470 (8)	5874 (8)
7-40-P	100	100	22.62	22.62	0.00	-64.94	365 (5)	4659 (5)	20901 (5)
7-41-P	100	100	22.62	22.62	0.00	-132.62	786 (5)	10039 (5)	45039 (5)
7-42-P	100	100	22.62	22.62	0.00	-64.94	365 (5)	4659 (5)	20901 (5)
7-43-P	100	100	22.62	22.62	21.58	-12.11	183 (8)	10470 (8)	5874 (8)
7-44-P	100	100	22.62	22.62	43.06	0.00	322 (5)	18453 (5)	4113 (5)
7-45-P	100	100	22.62	22.62	65.12	0.00	437 (5)	25009 (5)	5574 (5)
7-46-P	100	100	22.62	22.62	82.85	0.00	529 (5)	30288 (5)	6751 (5)
7-47-P	100	100	22.62	22.62	83.25	0.00	532 (5)	30466 (5)	6791 (5)
7-48-P	100	100	22.62	22.62	83.66	0.00	535 (5)	30644 (5)	6830 (5)
7-49-P	100	100	22.62	22.62	66.72	0.00	449 (5)	25714 (5)	5732 (5)
7-50-P	100	100	22.62	22.62	45.44	0.00	341 (5)	19522 (5)	4351 (5)
7-51-P	100	100	22.62	22.62	26.69	-14.34	226 (8)	12949 (8)	6958 (8)
7-52-P	100	100	22.62	22.62	0.01	-61.11	345 (5)	4408 (5)	19778 (5)
7-53-P	100	100	22.62	22.62	0.00	-128.07	751 (5)	9584 (5)	42998 (5)
7-54-P	100	100	22.62	22.62	0.00	-59.82	318 (5)	4064 (5)	18232 (5)
7-55-P	100	100	22.62	22.62	20.20	-5.31	171 (8)	9802 (8)	2849 (8)
7-56-P	100	100	22.62	22.62	49.19	0.00	373 (5)	21339 (5)	4756 (5)
7-57-P	100	100	22.62	22.62	71.60	0.00	491 (5)	28122 (5)	6268 (5)
7-58-P	100	100	22.62	22.62	89.62	0.00	587 (5)	33610 (5)	7492 (5)
7-59-P	100	100	22.62	22.62	90.07	0.00	592 (5)	33920 (5)	7561 (5)
7-60-P	100	100	22.62	22.62	90.51	0.00	598 (5)	34230 (5)	7630 (5)
7-61-P	100	100	22.62	22.62	73.26	0.00	512 (5)	29318 (5)	6535 (5)
7-62-P	100	100	22.62	22.62	51.85	-0.26	408 (5)	23373 (5)	5210 (5)
7-63-P	100	100	22.62	22.62	35.01	-15.46	297 (8)	16986 (8)	7500 (8)
7-64-P	100	100	22.62	22.62	5.05	-36.42	309 (8)	6438 (8)	17671 (8)
7-65-P	100	100	22.62	22.62	0.00	-124.52	698 (5)	8914 (5)	39991 (5)
7-66-P	100	100	22.62	22.62	0.00	-58.00	269 (5)	3432 (5)	15397 (5)
7-67-P	100	100	22.62	22.62	19.41	-0.29	164 (8)	9418 (8)	2099 (8)
7-68-P	100	100	22.62	22.62	47.01	0.00	396 (5)	22654 (5)	5050 (5)
7-69-P	100	100	22.62	22.62	66.80	0.00	498 (5)	28543 (5)	6362 (5)
7-70-P	100	100	22.62	22.62	82.01	0.00	577 (5)	33037 (5)	7364 (5)
7-71-P	100	100	22.62	22.62	78.86	0.00	558 (5)	31953 (5)	7122 (5)
7-72-P	100	100	22.62	22.62	75.71	0.00	539 (5)	30868 (5)	6881 (5)
7-73-P	100	100	22.62	22.62	54.60	-0.24	424 (5)	24290 (5)	5414 (5)
7-74-P	100	100	22.62	22.62	42.41	-8.79	359 (8)	20578 (8)	4587 (8)
7-75-P	100	100	22.62	22.62	29.97	-28.60	254 (8)	14544 (8)	13877 (8)
7-76-P	100	100	22.62	22.62	0.09	-89.53	489 (5)	6247 (5)	28027 (5)
7-77-P	100	100	22.62	22.62	0.00	-162.56	937 (5)	11966 (5)	53683 (5)
7-78-P	100	100	22.62	22.62	0.00	-96.77	525 (5)	6699 (5)	30052 (5)
7-79-P	100	100	22.62	22.62	11.78	-24.09	204 (8)	5718 (8)	11689 (8)
7-80-P	100	100	22.62	22.62	0.51	-18.30	104 (5)	1586 (5)	5971 (5)
7-81-P	100	100	22.62	22.62	2.47	-8.21	116 (8)	1479 (8)	6637 (8)
8-1-S	100	100	22.62	27.14	8.75	-12.07	180 (8)	10591 (8)	4910 (8)
8-2-S	100	100	22.62	27.14	13.62	-19.27	280 (8)	16478 (8)	7839 (8)
8-3-S	100	100	22.62	27.14	19.89	-25.44	264 (8)	15545 (8)	10347 (8)
8-4-S	100	100	22.62	27.14	0.05	-127.82	1014 (8)	13137 (8)	51985 (8)
8-5-S	100	100	22.62	27.14	0.97	-201.85	1602 (8)	20745 (8)	82092 (8)
8-6-S	100	100	22.62	27.14	0.00	-81.97	651 (8)	8425 (8)	33338 (8)
8-7-S	100	100	22.62	27.14	247.78	0.00	491 (5)	6360 (5)	25169 (5)
8-8-S	100	100	22.62	27.14	236.17	-0.01	334 (5)	4319 (5)	17092 (5)
8-9-S	100	100	22.62	27.14	215.33	-0.01	372 (5)	19295 (5)	19056 (5)
8-10-S	100	100	22.62	27.14	28.49	-57.61	492 (8)	28950 (8)	23430 (8)
8-11-S	100	100	22.62	27.14	0.01	-100.35	796 (8)	10313 (8)	40810 (8)
8-12-S	100	100	22.62	27.14	0.94	-172.49	1369 (8)	17728 (8)	70151 (8)
8-13-S	100	100	22.62	27.14	0.02	-135.98	1079 (8)	13975 (8)	55301 (8)
8-14-S	100	100	22.62	27.14	0.00	-100.36	796 (8)	10314 (8)	40814 (8)
8-15-S	100	100	22.62	27.14	0.00	-58.41	464 (8)	6003 (8)	23757 (8)
8-16-S	100	100	22.62	27.14	134.47	-0.42	53 (5)	3096 (5)	2623 (5)
8-17-S	100	100	22.62	27.14	154.93	-0.13	457 (5)	26874 (5)	5809 (5)
8-18-S	100	100	22.62	27.14	158.25	-0.07	787 (5)	46308 (5)	10011 (5)
8-19-S	100	100	22.62	27.14	150.40	-0.08	1033 (5)	60755 (5)	13134 (5)
8-20-S	100	100	22.62	27.14	155.40	0.00	1278 (8)	75204 (8)	16257 (8)
8-21-S	100	100	22.62	27.14	120.52	-0.13	991 (8)	58325 (8)	12609 (8)
8-22-S	100	100	22.62	27.14	79.33	-1.15	653 (8)	38390 (8)	8299 (8)
8-23-S	100	100	22.62	27.14	48.77	-13.15	527 (8)	30976 (8)	6696 (8)
8-24-S	100	100	22.62	27.14	26.29	-34.63	349 (8)	20551 (8)	14085 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
8-25-S	100	100	22.62	27.14	17.31	-31.50	250 (8)	13961 (8)	12809 (8)
8-26-S	100	100	22.62	27.14	9.82	-9.11	135 (8)	7919 (8)	4633 (8)
9-1-S	100	100	22.62	27.14	11.51	-7.20	95 (8)	5569 (8)	2928 (8)
9-2-S	100	100	22.62	27.14	17.60	-13.89	241 (8)	14196 (8)	5649 (8)
9-3-S	100	100	22.62	27.14	24.98	-21.94	332 (8)	19530 (8)	8924 (8)
9-4-S	100	100	22.62	27.14	0.04	-146.85	1165 (8)	15092 (8)	59723 (8)
9-5-S	100	100	22.62	27.14	0.76	-237.81	1887 (8)	24440 (8)	96714 (8)
9-6-S	100	100	22.62	27.14	0.00	-146.62	1164 (8)	15069 (8)	59629 (8)
9-7-S	100	100	22.62	27.14	0.00	-109.30	867 (8)	11233 (8)	44450 (8)
9-8-S	100	100	22.62	27.14	0.48	-72.46	575 (8)	7447 (8)	29468 (8)
9-9-S	100	100	22.62	27.14	14.06	-64.83	514 (8)	11907 (8)	26364 (8)
9-10-S	100	100	22.62	27.14	35.50	-65.05	516 (8)	22547 (8)	26457 (8)
9-11-S	100	100	22.62	27.14	3.42	-100.42	797 (8)	10320 (8)	40839 (8)
9-12-S	100	100	22.62	27.14	6.81	-171.26	1359 (8)	17600 (8)	69647 (8)
9-13-S	100	100	22.62	27.14	4.61	-131.25	1042 (8)	13489 (8)	53379 (8)
9-14-S	100	100	22.62	27.14	2.43	-91.27	724 (8)	9380 (8)	37117 (8)
9-15-S	100	100	22.62	27.14	2.05	-48.67	386 (8)	5002 (8)	19792 (8)
9-16-S	100	100	22.62	27.14	139.42	-0.08	120 (5)	7071 (5)	3553 (5)
9-17-S	100	100	22.62	27.14	157.65	0.00	482 (5)	28337 (5)	6126 (5)
9-18-S	100	100	22.62	27.14	160.99	0.00	793 (5)	46630 (5)	10080 (5)
9-19-S	100	100	22.62	27.14	154.34	0.00	1025 (5)	60315 (5)	13039 (5)
9-20-S	100	100	22.62	27.14	152.92	0.00	1258 (8)	74000 (8)	15997 (8)
9-21-S	100	100	22.62	27.14	118.06	-0.74	971 (8)	57134 (8)	12351 (8)
9-22-S	100	100	22.62	27.14	80.85	-6.21	665 (8)	39128 (8)	8458 (8)
9-23-S	100	100	22.62	27.14	54.70	-22.94	562 (8)	33089 (8)	9328 (8)
9-24-S	100	100	22.62	27.14	32.00	-43.61	439 (8)	25808 (8)	22169 (8)
9-25-S	100	100	22.62	27.14	20.41	-39.86	316 (8)	16459 (8)	16209 (8)
9-26-S	100	100	22.62	27.14	13.27	-16.86	136 (8)	8025 (8)	6858 (8)
10-1-S	100	100	22.62	31.67	0.20	-8.10	61 (8)	797 (8)	2840 (8)
10-2-S	100	100	22.62	31.67	0.22	-6.08	46 (8)	598 (8)	2130 (8)
10-3-S	100	100	22.62	31.67	0.25	-4.06	38 (8)	500 (8)	1779 (8)
10-4-S	100	100	22.62	31.67	0.09	-11.37	85 (8)	1119 (8)	3984 (8)
10-5-S	100	100	22.62	31.67	0.18	-18.92	142 (8)	1862 (8)	6632 (8)
10-6-S	100	100	22.62	31.67	0.00	-225.01	1691 (8)	22143 (8)	78855 (8)
10-7-S	100	100	22.62	31.67	0.00	-183.96	1383 (8)	18104 (8)	64469 (8)
10-8-S	100	100	22.62	31.67	0.00	-142.91	1074 (8)	14064 (8)	50084 (8)
10-9-S	100	100	22.62	31.67	0.12	-121.25	911 (8)	11932 (8)	42492 (8)
10-10-S	100	100	22.62	31.67	0.93	-100.26	754 (8)	9867 (8)	35138 (8)
10-11-S	100	100	22.62	31.67	1.35	-85.61	643 (8)	8425 (8)	30002 (8)
10-12-S	100	100	22.62	31.67	2.00	-71.17	535 (8)	7004 (8)	24942 (8)
10-13-S	100	100	22.62	31.67	2.85	-50.74	381 (8)	4994 (8)	17783 (8)
10-14-S	100	100	22.62	31.67	141.85	0.00	235 (5)	3076 (5)	10953 (5)
10-15-S	100	100	22.62	31.67	141.72	0.00	91 (5)	4210 (5)	4252 (5)
10-16-S	100	100	22.62	31.67	143.12	0.00	194 (5)	11699 (5)	2454 (5)
10-17-S	100	100	22.62	31.67	144.51	0.00	415 (5)	25046 (5)	5254 (5)
10-18-S	100	100	22.62	31.67	138.56	0.00	564 (5)	34041 (5)	7140 (5)
10-19-S	100	100	22.62	31.67	127.70	0.00	665 (5)	40135 (5)	8419 (5)
10-20-S	100	100	22.62	31.67	116.85	0.00	765 (5)	46230 (5)	9697 (5)
10-21-S	100	100	22.62	31.67	95.63	0.00	687 (5)	41511 (5)	8707 (5)
10-22-S	100	100	22.62	31.67	73.72	0.00	589 (8)	35590 (8)	7465 (8)
10-23-S	100	100	22.62	31.67	59.26	0.00	474 (8)	28611 (8)	6001 (8)
10-24-S	100	100	22.62	31.67	36.04	0.00	288 (8)	17399 (8)	3650 (8)
10-25-S	100	100	22.62	31.67	19.82	0.00	158 (8)	9568 (8)	2007 (8)
10-26-S	100	100	22.62	31.67	8.27	0.00	66 (8)	3991 (8)	837 (8)
11-1-S	100	100	22.62	31.67	11.04	-7.23	88 (8)	5331 (8)	2533 (8)
11-2-S	100	100	22.62	31.67	15.49	-13.50	206 (8)	12460 (8)	4731 (8)
11-3-S	100	100	22.62	31.67	21.15	-21.06	254 (8)	15316 (8)	7381 (8)
11-4-S	100	100	22.62	31.67	0.04	-139.04	1045 (8)	13683 (8)	48727 (8)
11-5-S	100	100	22.62	31.67	0.72	-220.44	1657 (8)	21693 (8)	77253 (8)
11-6-S	100	100	22.62	31.67	0.00	-224.86	1690 (8)	22128 (8)	78803 (8)
11-7-S	100	100	22.62	31.67	0.00	-175.74	1321 (8)	17295 (8)	61589 (8)
11-8-S	100	100	22.62	31.67	0.00	-126.63	952 (8)	12461 (8)	44376 (8)
11-9-S	100	100	22.62	31.67	0.51	-96.01	722 (8)	9449 (8)	33648 (8)
11-10-S	100	100	22.62	31.67	16.63	-81.00	609 (8)	28095 (8)	28386 (8)
11-11-S	100	100	22.62	31.67	0.02	-121.64	914 (8)	11970 (8)	42628 (8)
11-12-S	100	100	22.62	31.67	0.91	-179.77	1351 (8)	17692 (8)	63002 (8)
11-13-S	100	100	22.62	31.67	0.13	-136.89	1029 (8)	13472 (8)	47975 (8)
11-14-S	100	100	22.62	31.67	0.25	-94.91	713 (8)	9340 (8)	33262 (8)
11-15-S	100	100	22.62	31.67	2.25	-51.31	386 (8)	5049 (8)	17980 (8)
11-16-S	100	100	22.62	31.67	138.67	0.00	112 (5)	6777 (5)	3265 (5)
11-17-S	100	100	22.62	31.67	158.95	0.00	468 (5)	28252 (5)	5926 (5)
11-18-S	100	100	22.62	31.67	163.12	0.00	773 (5)	46683 (5)	9792 (5)
11-19-S	100	100	22.62	31.67	156.56	0.00	995 (5)	60084 (5)	12603 (5)
11-20-S	100	100	22.62	31.67	152.21	0.00	1217 (8)	73485 (8)	15414 (8)
11-21-S	100	100	22.62	31.67	117.33	0.00	938 (8)	56645 (8)	11882 (8)
11-22-S	100	100	22.62	31.67	75.64	-0.15	605 (8)	36517 (8)	7660 (8)
11-23-S	100	100	22.62	31.67	43.87	-10.49	438 (8)	26477 (8)	9188 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
11-24-S	100	100	22.62	31.67	27.08	-36.59	688 (8)	21786 (8)	32060 (8)
11-25-S	100	100	22.62	31.67	15.91	-33.84	424 (8)	12799 (8)	19765 (8)
11-26-S	100	100	22.62	31.67	7.37	-10.72	134 (8)	5926 (8)	6262 (8)
12-1-S	100	100	22.62	31.67	11.10	-7.37	89 (8)	5357 (8)	2581 (8)
12-2-S	100	100	22.62	31.67	15.52	-13.50	207 (8)	12489 (8)	4732 (8)
12-3-S	100	100	22.62	31.67	21.20	-20.96	254 (8)	15351 (8)	7344 (8)
12-4-S	100	100	22.62	31.67	0.04	-138.73	1043 (8)	13653 (8)	48620 (8)
12-5-S	100	100	22.62	31.67	0.73	-220.00	1653 (8)	21650 (8)	77099 (8)
12-6-S	100	100	22.62	31.67	0.00	-247.13	1857 (8)	24320 (8)	86608 (8)
12-7-S	100	100	22.62	31.67	0.00	-196.10	1474 (8)	19299 (8)	68725 (8)
12-8-S	100	100	22.62	31.67	0.00	-145.08	1090 (8)	14277 (8)	50842 (8)
12-9-S	100	100	22.62	31.67	0.52	-112.34	844 (8)	11055 (8)	39370 (8)
12-10-S	100	100	22.62	31.67	16.62	-95.20	715 (8)	28090 (8)	33361 (8)
12-11-S	100	100	22.62	31.67	0.41	-134.24	1009 (8)	13210 (8)	47044 (8)
12-12-S	100	100	22.62	31.67	3.03	-192.11	1444 (8)	18906 (8)	67325 (8)
12-13-S	100	100	22.62	31.67	1.72	-147.08	1105 (8)	14474 (8)	51544 (8)
12-14-S	100	100	22.62	31.67	0.53	-102.17	768 (8)	10054 (8)	35805 (8)
12-15-S	100	100	22.62	31.67	0.38	-54.94	413 (8)	5406 (8)	19253 (8)
12-16-S	100	100	22.62	31.67	134.40	0.00	84 (5)	4498 (5)	3928 (5)
12-17-S	100	100	22.62	31.67	155.96	0.00	442 (5)	26684 (5)	5597 (5)
12-18-S	100	100	22.62	31.67	161.05	0.00	754 (5)	45524 (5)	9549 (5)
12-19-S	100	100	22.62	31.67	155.17	0.00	981 (5)	59244 (5)	12427 (5)
12-20-S	100	100	22.62	31.67	151.14	0.00	1208 (8)	72965 (8)	15305 (8)
12-21-S	100	100	22.62	31.67	116.62	0.00	932 (8)	56302 (8)	11810 (8)
12-22-S	100	100	22.62	31.67	78.28	-3.16	626 (8)	37789 (8)	7927 (8)
12-23-S	100	100	22.62	31.67	51.84	-18.55	518 (8)	31284 (8)	8126 (8)
12-24-S	100	100	22.62	31.67	29.69	-39.22	491 (8)	23890 (8)	22907 (8)
12-25-S	100	100	22.62	31.67	18.30	-36.19	453 (8)	14722 (8)	21137 (8)
12-26-S	100	100	22.62	31.67	10.96	-14.24	134 (8)	6611 (8)	6237 (8)
13-1-S	100	100	22.62	31.67	0.23	-5.84	44 (8)	575 (8)	2048 (8)
13-2-S	100	100	22.62	31.67	0.17	-4.38	33 (8)	431 (8)	1534 (8)
13-3-S	100	100	22.62	31.67	0.97	-3.77	71 (8)	927 (8)	3302 (8)
13-4-S	100	100	22.62	31.67	0.13	-7.60	57 (8)	748 (8)	2664 (8)
13-5-S	100	100	22.62	31.67	0.31	-12.45	94 (8)	1225 (8)	4362 (8)
13-6-S	100	100	22.62	31.67	0.00	-294.75	2215 (8)	29007 (8)	103297 (8)
13-7-S	100	100	22.62	31.67	0.00	-247.00	1856 (8)	24307 (8)	86561 (8)
13-8-S	100	100	22.62	31.67	0.00	-199.24	1497 (8)	19607 (8)	69825 (8)
13-9-S	100	100	22.62	31.67	0.00	-170.28	1280 (8)	16757 (8)	59676 (8)
13-10-S	100	100	22.62	31.67	0.04	-141.36	1062 (8)	13911 (8)	49540 (8)
13-11-S	100	100	22.62	31.67	0.15	-119.94	901 (8)	11804 (8)	42034 (8)
13-12-S	100	100	22.62	31.67	0.34	-98.60	741 (8)	9703 (8)	34553 (8)
13-13-S	100	100	22.62	31.67	0.47	-72.49	545 (8)	7134 (8)	25404 (8)
13-14-S	100	100	22.62	31.67	0.89	-46.66	351 (8)	4592 (8)	16353 (8)
13-15-S	100	100	22.62	31.67	126.82	0.00	153 (5)	2005 (5)	7140 (5)
13-16-S	100	100	22.62	31.67	131.77	0.00	101 (5)	6082 (5)	1276 (5)
13-17-S	100	100	22.62	31.67	136.72	0.00	347 (5)	20934 (5)	4391 (5)
13-18-S	100	100	22.62	31.67	133.29	0.00	514 (5)	31026 (5)	6508 (5)
13-19-S	100	100	22.62	31.67	124.29	0.00	628 (5)	37944 (5)	7959 (5)
13-20-S	100	100	22.62	31.67	115.28	0.00	743 (5)	44862 (5)	9410 (5)
13-21-S	100	100	22.62	31.67	94.89	0.00	672 (5)	40603 (5)	8517 (5)
13-22-S	100	100	22.62	31.67	73.23	0.00	581 (5)	35101 (5)	7363 (5)
13-23-S	100	100	22.62	31.67	58.99	0.00	472 (8)	28477 (8)	5973 (8)
13-24-S	100	100	22.62	31.67	35.96	0.00	287 (8)	17361 (8)	3642 (8)
13-25-S	100	100	22.62	31.67	19.84	0.00	159 (8)	9577 (8)	2009 (8)
13-26-S	100	100	22.62	31.67	8.32	0.00	66 (8)	4015 (8)	842 (8)
14-1-S	100	100	22.62	31.67	9.99	-10.09	133 (8)	8036 (8)	3536 (8)
14-2-S	100	100	22.62	31.67	22.98	-16.89	297 (8)	17921 (8)	5920 (8)
14-3-S	100	100	22.62	31.67	36.30	-23.99	508 (8)	30665 (8)	8407 (8)
14-4-S	100	100	22.62	31.67	0.01	-93.68	704 (8)	9220 (8)	32832 (8)
14-5-S	100	100	22.62	31.67	2.52	-105.37	792 (8)	10369 (8)	36926 (8)
14-6-S	100	100	22.62	31.67	0.00	-273.53	2056 (8)	26918 (8)	95860 (8)
14-7-S	100	100	22.62	31.67	0.00	-220.97	1661 (8)	21746 (8)	77440 (8)
14-8-S	100	100	22.62	31.67	0.00	-168.41	1266 (8)	16573 (8)	59020 (8)
14-9-S	100	100	22.62	31.67	0.00	-133.28	1002 (8)	13116 (8)	46709 (8)
14-10-S	100	100	22.62	31.67	9.55	-107.71	809 (8)	24216 (8)	37746 (8)
14-11-S	100	100	22.62	31.67	0.00	-151.43	1138 (8)	14902 (8)	53069 (8)
14-12-S	100	100	22.62	31.67	0.92	-205.62	1545 (8)	20236 (8)	72062 (8)
14-13-S	100	100	22.62	31.67	0.15	-159.30	1197 (8)	15677 (8)	55829 (8)
14-14-S	100	100	22.62	31.67	0.01	-113.60	854 (8)	11179 (8)	39811 (8)
14-15-S	100	100	22.62	31.67	0.18	-64.94	488 (8)	6391 (8)	22759 (8)
14-16-S	100	100	22.62	31.67	124.75	0.00	92 (5)	3212 (5)	4303 (5)
14-17-S	100	100	22.62	31.67	148.27	0.00	385 (5)	23270 (5)	4881 (5)
14-18-S	100	100	22.62	31.67	154.97	0.00	708 (5)	42759 (5)	8969 (5)
14-19-S	100	100	22.62	31.67	150.44	0.00	945 (5)	57045 (5)	11966 (5)
14-20-S	100	100	22.62	31.67	147.76	0.00	1181 (8)	71335 (8)	14963 (8)
14-21-S	100	100	22.62	31.67	114.07	0.00	912 (8)	55071 (8)	11552 (8)
14-22-S	100	100	22.62	31.67	73.45	-0.10	587 (8)	35461 (8)	7438 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
14-23-S	100	100	22.62	31.67	44.95	-12.70	449 (8)	27129 (8)	7417 (8)
14-24-S	100	100	22.62	31.67	27.47	-37.55	470 (8)	22105 (8)	21933 (8)
14-25-S	100	100	22.62	31.67	16.54	-34.67	434 (8)	13308 (8)	20249 (8)
14-26-S	100	100	22.62	31.67	7.99	-11.32	142 (8)	6432 (8)	6610 (8)
15-1-S	100	100	22.62	31.67	14.32	-7.05	114 (8)	6913 (8)	2471 (8)
15-2-S	100	100	22.62	31.67	24.52	-14.89	274 (8)	16569 (8)	5219 (8)
15-3-S	100	100	22.62	31.67	36.53	-24.54	511 (8)	30861 (8)	8599 (8)
15-4-S	100	100	22.62	31.67	0.04	-125.38	942 (8)	12338 (8)	43938 (8)
15-5-S	100	100	22.62	31.67	1.04	-176.28	1325 (8)	17348 (8)	61778 (8)
15-6-S	100	100	22.62	31.67	0.00	-280.69	2110 (8)	27623 (8)	98370 (8)
15-7-S	100	100	22.62	31.67	0.00	-227.87	1713 (8)	22424 (8)	79857 (8)
15-8-S	100	100	22.62	31.67	0.00	-175.04	1316 (8)	17226 (8)	61343 (8)
15-9-S	100	100	22.62	31.67	0.00	-139.53	1049 (8)	13731 (8)	48898 (8)
15-10-S	100	100	22.62	31.67	9.51	-113.53	853 (8)	24107 (8)	39787 (8)
15-11-S	100	100	22.62	31.67	0.00	-156.85	1179 (8)	15435 (8)	54968 (8)
15-12-S	100	100	22.62	31.67	1.47	-211.14	1587 (8)	20779 (8)	73996 (8)
15-13-S	100	100	22.62	31.67	0.48	-164.13	1234 (8)	16153 (8)	57522 (8)
15-14-S	100	100	22.62	31.67	0.02	-117.66	884 (8)	11579 (8)	41235 (8)
15-15-S	100	100	22.62	31.67	0.00	-68.35	514 (8)	6727 (8)	23954 (8)
15-16-S	100	100	22.62	31.67	121.00	0.00	117 (5)	1531 (5)	5451 (5)
15-17-S	100	100	22.62	31.67	145.10	0.00	364 (5)	21973 (5)	4609 (5)
15-18-S	100	100	22.62	31.67	152.34	0.00	690 (5)	41663 (5)	8739 (5)
15-19-S	100	100	22.62	31.67	148.30	0.00	930 (5)	56139 (5)	11776 (5)
15-20-S	100	100	22.62	31.67	146.28	0.00	1169 (8)	70620 (8)	14813 (8)
15-21-S	100	100	22.62	31.67	112.91	0.00	903 (8)	54509 (8)	11434 (8)
15-22-S	100	100	22.62	31.67	74.17	-1.67	593 (8)	35806 (8)	7510 (8)
15-23-S	100	100	22.62	31.67	48.25	-16.55	482 (8)	29118 (8)	7252 (8)
15-24-S	100	100	22.62	31.67	28.53	-38.93	488 (8)	22958 (8)	22737 (8)
15-25-S	100	100	22.62	31.67	17.49	-35.78	448 (8)	14073 (8)	20896 (8)
15-26-S	100	100	22.62	31.67	9.55	-12.92	127 (8)	7684 (8)	5662 (8)
16-1-S	100	100	22.62	31.67	0.23	-7.48	56 (8)	736 (8)	2622 (8)
16-2-S	100	100	22.62	31.67	0.21	-5.60	42 (8)	551 (8)	1962 (8)
16-3-S	100	100	22.62	31.67	0.86	-4.39	55 (8)	720 (8)	2564 (8)
16-4-S	100	100	22.62	31.67	0.12	-8.84	66 (8)	870 (8)	3097 (8)
16-5-S	100	100	22.62	31.67	0.29	-14.19	107 (8)	1396 (8)	4973 (8)
16-6-S	100	100	22.62	31.67	0.00	-317.04	2383 (8)	31200 (8)	111109 (8)
16-7-S	100	100	22.62	31.67	0.00	-268.37	2017 (8)	26410 (8)	94050 (8)
16-8-S	100	100	22.62	31.67	0.00	-219.69	1651 (8)	21620 (8)	76992 (8)
16-9-S	100	100	22.62	31.67	0.00	-189.47	1424 (8)	18646 (8)	66401 (8)
16-10-S	100	100	22.62	31.67	0.00	-159.25	1197 (8)	15672 (8)	55811 (8)
16-11-S	100	100	22.62	31.67	0.02	-136.29	1024 (8)	13412 (8)	47762 (8)
16-12-S	100	100	22.62	31.67	0.08	-113.36	852 (8)	11156 (8)	39729 (8)
16-13-S	100	100	22.62	31.67	0.05	-85.64	644 (8)	8428 (8)	30012 (8)
16-14-S	100	100	22.62	31.67	0.05	-57.94	435 (8)	5702 (8)	20304 (8)
16-15-S	100	100	22.62	31.67	113.98	0.00	218 (5)	2851 (5)	10154 (5)
16-16-S	100	100	22.62	31.67	120.76	0.00	26 (5)	1597 (5)	335 (5)
16-17-S	100	100	22.62	31.67	127.53	0.00	283 (5)	17119 (5)	3591 (5)
16-18-S	100	100	22.62	31.67	125.70	0.00	461 (5)	27822 (5)	5836 (5)
16-19-S	100	100	22.62	31.67	118.15	0.00	585 (5)	35313 (5)	7407 (5)
16-20-S	100	100	22.62	31.67	110.60	0.00	709 (5)	42803 (5)	8978 (5)
16-21-S	100	100	22.62	31.67	91.28	0.00	646 (5)	38993 (5)	8179 (5)
16-22-S	100	100	22.62	31.67	70.65	0.00	562 (5)	33927 (5)	7116 (5)
16-23-S	100	100	22.62	31.67	57.41	0.00	459 (8)	27717 (8)	5814 (8)
16-24-S	100	100	22.62	31.67	35.08	0.00	280 (8)	16934 (8)	3552 (8)
16-25-S	100	100	22.62	31.67	19.41	0.00	155 (8)	9369 (8)	1965 (8)
16-26-S	100	100	22.62	31.67	8.18	0.00	65 (8)	3948 (8)	828 (8)
17-1-S	100	100	27.14	31.67	9.99	-10.00	125 (8)	6734 (8)	3492 (8)
17-2-S	100	100	27.14	31.67	22.96	-16.86	278 (8)	15002 (8)	5891 (8)
17-3-S	100	100	27.14	31.67	36.26	-24.02	476 (8)	25663 (8)	8392 (8)
17-4-S	100	100	27.14	31.67	0.01	-93.95	687 (8)	8971 (8)	32826 (8)
17-5-S	100	100	27.14	31.67	2.40	-105.73	773 (8)	10095 (8)	36940 (8)
17-6-S	100	100	27.14	31.67	0.00	-287.09	2099 (8)	27412 (8)	100307 (8)
17-7-S	100	100	27.14	31.67	0.00	-234.09	1712 (8)	22351 (8)	81790 (8)
17-8-S	100	100	27.14	31.67	0.00	-181.09	1324 (8)	17291 (8)	63272 (8)
17-9-S	100	100	27.14	31.67	0.00	-145.30	1062 (8)	13873 (8)	50766 (8)
17-10-S	100	100	27.14	31.67	7.95	-117.45	859 (8)	16875 (8)	41037 (8)
17-11-S	100	100	27.14	31.67	0.00	-161.97	1184 (8)	15465 (8)	56590 (8)
17-12-S	100	100	27.14	31.67	1.01	-215.44	1575 (8)	20570 (8)	75272 (8)
17-13-S	100	100	27.14	31.67	0.20	-168.22	1230 (8)	16062 (8)	58774 (8)
17-14-S	100	100	27.14	31.67	0.00	-121.62	889 (8)	11612 (8)	42491 (8)
17-15-S	100	100	27.14	31.67	0.01	-71.93	526 (8)	6868 (8)	25131 (8)
17-16-S	100	100	27.14	31.67	117.09	0.00	108 (5)	1414 (5)	5175 (5)
17-17-S	100	100	27.14	31.67	141.76	0.00	321 (5)	17293 (5)	4128 (5)
17-18-S	100	100	27.14	31.67	149.51	0.00	630 (5)	33949 (5)	8104 (5)
17-19-S	100	100	27.14	31.67	145.95	0.00	858 (5)	46233 (5)	11036 (5)
17-20-S	100	100	27.14	31.67	144.68	0.00	1086 (8)	58520 (8)	13970 (8)
17-21-S	100	100	27.14	31.67	111.64	0.00	838 (8)	45154 (8)	10779 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
17-22-S	100	100	27.14	31.67	72.22	-0.67	542 (8)	29209 (8)	6973 (8)
17-23-S	100	100	27.14	31.67	45.90	-14.84	430 (8)	23204 (8)	8643 (8)
17-24-S	100	100	27.14	31.67	27.81	-38.58	470 (8)	18750 (8)	22465 (8)
17-25-S	100	100	27.14	31.67	16.93	-35.40	431 (8)	11413 (8)	20616 (8)
17-26-S	100	100	27.14	31.67	8.85	-12.29	112 (8)	5963 (8)	5367 (8)
18-1-S	100	100	22.62	31.67	14.33	-7.06	115 (8)	6916 (8)	2475 (8)
18-2-S	100	100	22.62	31.67	24.50	-14.91	274 (8)	16559 (8)	5226 (8)
18-3-S	100	100	22.62	31.67	36.50	-24.57	511 (8)	30834 (8)	8610 (8)
18-4-S	100	100	22.62	31.67	0.04	-125.50	943 (8)	12350 (8)	43981 (8)
18-5-S	100	100	22.62	31.67	1.03	-176.48	1326 (8)	17367 (8)	61847 (8)
18-6-S	100	100	22.62	31.67	0.00	-287.09	2158 (8)	28253 (8)	100613 (8)
18-7-S	100	100	22.62	31.67	0.00	-234.09	1759 (8)	23037 (8)	82039 (8)
18-8-S	100	100	22.62	31.67	0.00	-181.09	1361 (8)	17822 (8)	63465 (8)
18-9-S	100	100	22.62	31.67	0.00	-145.30	1092 (8)	14299 (8)	50921 (8)
18-10-S	100	100	22.62	31.67	7.95	-117.45	883 (8)	20142 (8)	41162 (8)
18-11-S	100	100	22.62	31.67	0.00	-161.97	1217 (8)	15940 (8)	56763 (8)
18-12-S	100	100	22.62	31.67	1.01	-215.44	1619 (8)	21202 (8)	75502 (8)
18-13-S	100	100	22.62	31.67	0.20	-168.22	1264 (8)	16555 (8)	58953 (8)
18-14-S	100	100	22.62	31.67	0.00	-121.62	914 (8)	11968 (8)	42621 (8)
18-15-S	100	100	22.62	31.67	0.01	-71.93	541 (8)	7079 (8)	25208 (8)
18-16-S	100	100	22.62	31.67	117.09	0.00	111 (5)	1458 (5)	5191 (5)
18-17-S	100	100	22.62	31.67	141.76	0.00	342 (5)	20641 (5)	4330 (5)
18-18-S	100	100	22.62	31.67	149.51	0.00	671 (5)	40522 (5)	8500 (5)
18-19-S	100	100	22.62	31.67	145.95	0.00	914 (5)	55183 (5)	11575 (5)
18-20-S	100	100	22.62	31.67	144.68	0.00	1157 (8)	69849 (8)	14651 (8)
18-21-S	100	100	22.62	31.67	111.64	0.00	892 (8)	53895 (8)	11305 (8)
18-22-S	100	100	22.62	31.67	72.22	-0.67	577 (8)	34863 (8)	7313 (8)
18-23-S	100	100	22.62	31.67	45.90	-14.84	459 (8)	27696 (8)	8669 (8)
18-24-S	100	100	22.62	31.67	27.81	-38.58	483 (8)	22380 (8)	22533 (8)
18-25-S	100	100	22.62	31.67	16.93	-35.40	443 (8)	13622 (8)	20679 (8)
18-26-S	100	100	22.62	31.67	8.85	-12.29	118 (8)	7117 (8)	5383 (8)
19-1-S	100	100	22.62	31.67	0.23	-7.49	56 (8)	737 (8)	2624 (8)
19-2-S	100	100	22.62	31.67	0.21	-5.61	42 (8)	552 (8)	1967 (8)
19-3-S	100	100	22.62	31.67	0.86	-4.40	55 (8)	722 (8)	2572 (8)
19-4-S	100	100	22.62	31.67	0.12	-8.86	67 (8)	872 (8)	3105 (8)
19-5-S	100	100	22.62	31.67	0.29	-14.22	107 (8)	1399 (8)	4983 (8)
19-6-S	100	100	22.62	31.67	0.00	-317.04	2383 (8)	31200 (8)	111109 (8)
19-7-S	100	100	22.62	31.67	0.00	-268.37	2017 (8)	26410 (8)	94050 (8)
19-8-S	100	100	22.62	31.67	0.00	-219.69	1651 (8)	21620 (8)	76992 (8)
19-9-S	100	100	22.62	31.67	0.00	-189.47	1424 (8)	18646 (8)	66401 (8)
19-10-S	100	100	22.62	31.67	0.00	-159.25	1197 (8)	15672 (8)	55811 (8)
19-11-S	100	100	22.62	31.67	0.02	-136.29	1024 (8)	13412 (8)	47762 (8)
19-12-S	100	100	22.62	31.67	0.08	-113.36	852 (8)	11156 (8)	39729 (8)
19-13-S	100	100	22.62	31.67	0.05	-85.64	644 (8)	8428 (8)	30012 (8)
19-14-S	100	100	22.62	31.67	0.05	-57.94	435 (8)	5702 (8)	20304 (8)
19-15-S	100	100	22.62	31.67	113.98	0.00	218 (5)	2851 (5)	10154 (5)
19-16-S	100	100	22.62	31.67	120.76	0.00	26 (5)	1597 (5)	335 (5)
19-17-S	100	100	22.62	31.67	127.53	0.00	283 (5)	17119 (5)	3591 (5)
19-18-S	100	100	22.62	31.67	125.70	0.00	461 (5)	27822 (5)	5836 (5)
19-19-S	100	100	22.62	31.67	118.15	0.00	585 (5)	35313 (5)	7407 (5)
19-20-S	100	100	22.62	31.67	110.60	0.00	709 (5)	42803 (5)	8978 (5)
19-21-S	100	100	22.62	31.67	91.28	0.00	646 (5)	38993 (5)	8179 (5)
19-22-S	100	100	22.62	31.67	70.65	0.00	562 (5)	33927 (5)	7116 (5)
19-23-S	100	100	22.62	31.67	57.41	0.00	459 (8)	27717 (8)	5814 (8)
19-24-S	100	100	22.62	31.67	35.08	0.00	280 (8)	16934 (8)	3552 (8)
19-25-S	100	100	22.62	31.67	19.41	0.00	155 (8)	9369 (8)	1965 (8)
19-26-S	100	100	22.62	31.67	8.18	0.00	65 (8)	3948 (8)	828 (8)
20-1-S	100	100	22.62	31.67	9.99	-10.00	133 (8)	8037 (8)	3503 (8)
20-2-S	100	100	22.62	31.67	22.96	-16.86	296 (8)	17907 (8)	5909 (8)
20-3-S	100	100	22.62	31.67	36.26	-24.02	507 (8)	30631 (8)	8419 (8)
20-4-S	100	100	22.62	31.67	0.01	-93.95	706 (8)	9246 (8)	32926 (8)
20-5-S	100	100	22.62	31.67	2.40	-105.73	795 (8)	10405 (8)	37052 (8)
20-6-S	100	100	22.62	31.67	0.00	-280.69	2110 (8)	27623 (8)	98370 (8)
20-7-S	100	100	22.62	31.67	0.00	-227.87	1713 (8)	22424 (8)	79857 (8)
20-8-S	100	100	22.62	31.67	0.00	-175.04	1316 (8)	17226 (8)	61343 (8)
20-9-S	100	100	22.62	31.67	0.00	-139.53	1049 (8)	13731 (8)	48898 (8)
20-10-S	100	100	22.62	31.67	9.51	-113.53	853 (8)	24107 (8)	39787 (8)
20-11-S	100	100	22.62	31.67	0.00	-156.85	1179 (8)	15435 (8)	54968 (8)
20-12-S	100	100	22.62	31.67	1.47	-211.14	1587 (8)	20779 (8)	73996 (8)
20-13-S	100	100	22.62	31.67	0.48	-164.13	1234 (8)	16153 (8)	57522 (8)
20-14-S	100	100	22.62	31.67	0.02	-117.66	884 (8)	11579 (8)	41235 (8)
20-15-S	100	100	22.62	31.67	0.00	-68.35	514 (8)	6727 (8)	23954 (8)
20-16-S	100	100	22.62	31.67	121.00	0.00	117 (5)	1531 (5)	5451 (5)
20-17-S	100	100	22.62	31.67	145.10	0.00	364 (5)	21973 (5)	4609 (5)
20-18-S	100	100	22.62	31.67	152.34	0.00	690 (5)	41663 (5)	8739 (5)
20-19-S	100	100	22.62	31.67	148.30	0.00	930 (5)	56139 (5)	11776 (5)
20-20-S	100	100	22.62	31.67	146.28	0.00	1169 (8)	70620 (8)	14813 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
20-21-S	100	100	22.62	31.67	112.91	0.00	903 (8)	54509 (8)	11434 (8)
20-22-S	100	100	22.62	31.67	74.17	-1.67	593 (8)	35806 (8)	7510 (8)
20-23-S	100	100	22.62	31.67	48.25	-16.55	482 (8)	29118 (8)	7252 (8)
20-24-S	100	100	22.62	31.67	28.53	-38.93	488 (8)	22958 (8)	22737 (8)
20-25-S	100	100	22.62	31.67	17.49	-35.78	448 (8)	14073 (8)	20896 (8)
20-26-S	100	100	22.62	31.67	9.55	-12.92	127 (8)	7684 (8)	5662 (8)
21-1-S	100	100	22.62	31.67	14.32	-7.06	115 (8)	6915 (8)	2475 (8)
21-2-S	100	100	22.62	31.67	24.50	-14.91	274 (8)	16559 (8)	5226 (8)
21-3-S	100	100	22.62	31.67	36.50	-24.57	511 (8)	30834 (8)	8610 (8)
21-4-S	100	100	22.62	31.67	0.04	-125.49	943 (8)	12350 (8)	43980 (8)
21-5-S	100	100	22.62	31.67	1.03	-176.47	1326 (8)	17367 (8)	61845 (8)
21-6-S	100	100	22.62	31.67	0.00	-273.53	2056 (8)	26918 (8)	95860 (8)
21-7-S	100	100	22.62	31.67	0.00	-220.97	1661 (8)	21746 (8)	77440 (8)
21-8-S	100	100	22.62	31.67	0.00	-168.41	1266 (8)	16573 (8)	59020 (8)
21-9-S	100	100	22.62	31.67	0.00	-133.28	1002 (8)	13116 (8)	46709 (8)
21-10-S	100	100	22.62	31.67	9.55	-107.71	809 (8)	24216 (8)	37746 (8)
21-11-S	100	100	22.62	31.67	0.00	-151.43	1138 (8)	14902 (8)	53069 (8)
21-12-S	100	100	22.62	31.67	0.92	-205.62	1545 (8)	20236 (8)	72062 (8)
21-13-S	100	100	22.62	31.67	0.15	-159.30	1197 (8)	15677 (8)	55829 (8)
21-14-S	100	100	22.62	31.67	0.01	-113.60	854 (8)	11179 (8)	39811 (8)
21-15-S	100	100	22.62	31.67	0.18	-64.94	488 (8)	6391 (8)	22759 (8)
21-16-S	100	100	22.62	31.67	124.75	0.00	92 (5)	3212 (5)	4303 (5)
21-17-S	100	100	22.62	31.67	148.27	0.00	385 (5)	23270 (5)	4881 (5)
21-18-S	100	100	22.62	31.67	154.97	0.00	708 (5)	42759 (5)	8969 (5)
21-19-S	100	100	22.62	31.67	150.44	0.00	945 (5)	57045 (5)	11966 (5)
21-20-S	100	100	22.62	31.67	147.76	0.00	1181 (8)	71335 (8)	14963 (8)
21-21-S	100	100	22.62	31.67	114.07	0.00	912 (8)	55071 (8)	11552 (8)
21-22-S	100	100	22.62	31.67	73.45	-0.10	587 (8)	35461 (8)	7438 (8)
21-23-S	100	100	22.62	31.67	44.95	-12.70	449 (8)	27129 (8)	7417 (8)
21-24-S	100	100	22.62	31.67	27.47	-37.55	470 (8)	22105 (8)	21933 (8)
21-25-S	100	100	22.62	31.67	16.54	-34.67	434 (8)	13308 (8)	20249 (8)
21-26-S	100	100	22.62	31.67	7.99	-11.32	142 (8)	6432 (8)	6610 (8)
22-1-S	100	100	22.62	31.67	0.23	-7.49	56 (8)	738 (8)	2626 (8)
22-2-S	100	100	22.62	31.67	0.21	-5.62	42 (8)	553 (8)	1971 (8)
22-3-S	100	100	22.62	31.67	0.85	-4.41	55 (8)	724 (8)	2577 (8)
22-4-S	100	100	22.62	31.67	0.12	-8.87	67 (8)	873 (8)	3110 (8)
22-5-S	100	100	22.62	31.67	0.28	-14.23	107 (8)	1400 (8)	4986 (8)
22-6-S	100	100	22.62	31.67	0.00	-294.75	2215 (8)	29007 (8)	103297 (8)
22-7-S	100	100	22.62	31.67	0.00	-247.00	1856 (8)	24307 (8)	86561 (8)
22-8-S	100	100	22.62	31.67	0.00	-199.24	1497 (8)	19607 (8)	69825 (8)
22-9-S	100	100	22.62	31.67	0.00	-170.28	1280 (8)	16757 (8)	59676 (8)
22-10-S	100	100	22.62	31.67	0.04	-141.36	1062 (8)	13911 (8)	49540 (8)
22-11-S	100	100	22.62	31.67	0.15	-119.94	901 (8)	11804 (8)	42034 (8)
22-12-S	100	100	22.62	31.67	0.34	-98.60	741 (8)	9703 (8)	34553 (8)
22-13-S	100	100	22.62	31.67	0.47	-72.49	545 (8)	7134 (8)	25404 (8)
22-14-S	100	100	22.62	31.67	0.89	-46.66	351 (8)	4592 (8)	16353 (8)
22-15-S	100	100	22.62	31.67	126.82	0.00	153 (5)	2005 (5)	7140 (5)
22-16-S	100	100	22.62	31.67	131.77	0.00	101 (5)	6082 (5)	1276 (5)
22-17-S	100	100	22.62	31.67	136.72	0.00	347 (5)	20934 (5)	4391 (5)
22-18-S	100	100	22.62	31.67	133.29	0.00	514 (5)	31026 (5)	6508 (5)
22-19-S	100	100	22.62	31.67	124.29	0.00	628 (5)	37944 (5)	7959 (5)
22-20-S	100	100	22.62	31.67	115.28	0.00	743 (5)	44862 (5)	9410 (5)
22-21-S	100	100	22.62	31.67	94.89	0.00	672 (5)	40603 (5)	8517 (5)
22-22-S	100	100	22.62	31.67	73.23	0.00	581 (5)	35101 (5)	7363 (5)
22-23-S	100	100	22.62	31.67	58.99	0.00	472 (8)	28477 (8)	5973 (8)
22-24-S	100	100	22.62	31.67	35.96	0.00	287 (8)	17361 (8)	3642 (8)
22-25-S	100	100	22.62	31.67	19.84	0.00	159 (8)	9577 (8)	2009 (8)
22-26-S	100	100	22.62	31.67	8.32	0.00	66 (8)	4015 (8)	842 (8)
23-1-S	100	100	22.62	31.67	9.99	-10.01	133 (8)	8041 (8)	3509 (8)
23-2-S	100	100	22.62	31.67	22.94	-16.89	296 (8)	17892 (8)	5919 (8)
23-3-S	100	100	22.62	31.67	36.22	-24.06	507 (8)	30597 (8)	8432 (8)
23-4-S	100	100	22.62	31.67	0.01	-94.08	707 (8)	9259 (8)	32971 (8)
23-5-S	100	100	22.62	31.67	2.37	-105.88	796 (8)	10420 (8)	37107 (8)
23-6-S	100	100	22.62	31.67	0.00	-247.13	1857 (8)	24320 (8)	86608 (8)
23-7-S	100	100	22.62	31.67	0.00	-196.10	1474 (8)	19299 (8)	68725 (8)
23-8-S	100	100	22.62	31.67	0.00	-145.08	1090 (8)	14277 (8)	50842 (8)
23-9-S	100	100	22.62	31.67	0.52	-112.34	844 (8)	11055 (8)	39370 (8)
23-10-S	100	100	22.62	31.67	16.62	-95.20	715 (8)	28090 (8)	33361 (8)
23-11-S	100	100	22.62	31.67	0.41	-134.24	1009 (8)	13210 (8)	47044 (8)
23-12-S	100	100	22.62	31.67	3.03	-192.11	1444 (8)	18906 (8)	67325 (8)
23-13-S	100	100	22.62	31.67	1.72	-147.08	1105 (8)	14474 (8)	51544 (8)
23-14-S	100	100	22.62	31.67	0.53	-102.17	768 (8)	10054 (8)	35805 (8)
23-15-S	100	100	22.62	31.67	0.38	-54.94	413 (8)	5406 (8)	19253 (8)
23-16-S	100	100	22.62	31.67	134.40	0.00	84 (5)	4498 (5)	3928 (5)
23-17-S	100	100	22.62	31.67	155.96	0.00	442 (5)	26684 (5)	5597 (5)
23-18-S	100	100	22.62	31.67	161.05	0.00	754 (5)	45524 (5)	9549 (5)
23-19-S	100	100	22.62	31.67	155.17	0.00	981 (5)	59244 (5)	12427 (5)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
23-20-S	100	100	22.62	31.67	151.14	0.00	1208 (8)	72965 (8)	15305 (8)
23-21-S	100	100	22.62	31.67	116.62	0.00	932 (8)	56302 (8)	11810 (8)
23-22-S	100	100	22.62	31.67	78.28	-3.16	626 (8)	37789 (8)	7927 (8)
23-23-S	100	100	22.62	31.67	51.84	-18.55	518 (8)	31284 (8)	8126 (8)
23-24-S	100	100	22.62	31.67	29.69	-39.22	491 (8)	23890 (8)	22907 (8)
23-25-S	100	100	22.62	31.67	18.30	-36.19	453 (8)	14722 (8)	21137 (8)
23-26-S	100	100	22.62	31.67	10.96	-14.24	134 (8)	6611 (8)	6237 (8)
24-1-S	100	100	22.62	31.67	14.27	-6.94	114 (8)	6890 (8)	2431 (8)
24-2-S	100	100	22.62	31.67	24.44	-14.93	273 (8)	16516 (8)	5231 (8)
24-3-S	100	100	22.62	31.67	36.42	-24.71	509 (8)	30766 (8)	8660 (8)
24-4-S	100	100	22.62	31.67	0.03	-125.94	947 (8)	12393 (8)	44135 (8)
24-5-S	100	100	22.62	31.67	1.01	-177.13	1331 (8)	17432 (8)	62077 (8)
24-6-S	100	100	22.62	31.67	0.00	-224.86	1690 (8)	22128 (8)	78803 (8)
24-7-S	100	100	22.62	31.67	0.00	-175.74	1321 (8)	17295 (8)	61589 (8)
24-8-S	100	100	22.62	31.67	0.00	-126.63	952 (8)	12461 (8)	44376 (8)
24-9-S	100	100	22.62	31.67	0.51	-96.01	722 (8)	9449 (8)	33648 (8)
24-10-S	100	100	22.62	31.67	16.63	-81.00	609 (8)	28095 (8)	28386 (8)
24-11-S	100	100	22.62	31.67	0.02	-121.64	914 (8)	11970 (8)	42628 (8)
24-12-S	100	100	22.62	31.67	0.91	-179.77	1351 (8)	17692 (8)	63002 (8)
24-13-S	100	100	22.62	31.67	0.13	-136.89	1029 (8)	13472 (8)	47975 (8)
24-14-S	100	100	22.62	31.67	0.25	-94.91	713 (8)	9340 (8)	33262 (8)
24-15-S	100	100	22.62	31.67	2.25	-51.31	386 (8)	5049 (8)	17980 (8)
24-16-S	100	100	22.62	31.67	138.67	0.00	112 (5)	6777 (5)	3265 (5)
24-17-S	100	100	22.62	31.67	158.95	0.00	468 (5)	28252 (5)	5926 (5)
24-18-S	100	100	22.62	31.67	163.12	0.00	773 (5)	46683 (5)	9792 (5)
24-19-S	100	100	22.62	31.67	156.56	0.00	995 (5)	60084 (5)	12603 (5)
24-20-S	100	100	22.62	31.67	152.21	0.00	1217 (8)	73485 (8)	15414 (8)
24-21-S	100	100	22.62	31.67	117.33	0.00	938 (8)	56645 (8)	11882 (8)
24-22-S	100	100	22.62	31.67	75.64	-0.15	605 (8)	36517 (8)	7660 (8)
24-23-S	100	100	22.62	31.67	43.87	-10.49	438 (8)	26477 (8)	9188 (8)
24-24-S	100	100	22.62	31.67	27.08	-36.59	688 (8)	21786 (8)	32060 (8)
24-25-S	100	100	22.62	31.67	15.91	-33.84	424 (8)	12799 (8)	19765 (8)
24-26-S	100	100	22.62	31.67	7.37	-10.72	134 (8)	5926 (8)	6262 (8)
25-1-S	100	100	22.62	31.67	0.21	-9.76	73 (8)	960 (8)	3420 (8)
25-2-S	100	100	22.62	31.67	0.25	-7.32	55 (8)	720 (8)	2565 (8)
25-3-S	100	100	22.62	31.67	1.45	-2.02	37 (5)	481 (5)	1712 (5)
25-4-S	100	100	22.62	31.67	0.09	-12.65	95 (8)	1245 (8)	4435 (8)
25-5-S	100	100	22.62	31.67	0.19	-20.75	156 (8)	2042 (8)	7271 (8)
25-6-S	100	100	22.62	31.67	0.00	-225.01	1691 (8)	22143 (8)	78855 (8)
25-7-S	100	100	22.62	31.67	0.00	-183.96	1383 (8)	18104 (8)	64469 (8)
25-8-S	100	100	22.62	31.67	0.00	-142.91	1074 (8)	14064 (8)	50084 (8)
25-9-S	100	100	22.62	31.67	0.12	-121.25	911 (8)	11932 (8)	42492 (8)
25-10-S	100	100	22.62	31.67	0.93	-100.26	754 (8)	9867 (8)	35138 (8)
25-11-S	100	100	22.62	31.67	1.35	-85.61	643 (8)	8425 (8)	30002 (8)
25-12-S	100	100	22.62	31.67	2.00	-71.17	535 (8)	7004 (8)	24942 (8)
25-13-S	100	100	22.62	31.67	2.85	-50.74	381 (8)	4994 (8)	17783 (8)
25-14-S	100	100	22.62	31.67	141.85	0.00	235 (5)	3076 (5)	10953 (5)
25-15-S	100	100	22.62	31.67	141.72	0.00	91 (5)	4210 (5)	4252 (5)
25-16-S	100	100	22.62	31.67	143.12	0.00	194 (5)	11699 (5)	2454 (5)
25-17-S	100	100	22.62	31.67	144.51	0.00	415 (5)	25046 (5)	5254 (5)
25-18-S	100	100	22.62	31.67	138.56	0.00	564 (5)	34041 (5)	7140 (5)
25-19-S	100	100	22.62	31.67	127.70	0.00	665 (5)	40135 (5)	8419 (5)
25-20-S	100	100	22.62	31.67	116.85	0.00	765 (5)	46230 (5)	9697 (5)
25-21-S	100	100	22.62	31.67	95.63	0.00	687 (5)	41511 (5)	8707 (5)
25-22-S	100	100	22.62	31.67	73.72	0.00	589 (8)	35590 (8)	7465 (8)
25-23-S	100	100	22.62	31.67	59.26	0.00	474 (8)	28611 (8)	6001 (8)
25-24-S	100	100	22.62	31.67	36.04	0.00	288 (8)	17399 (8)	3650 (8)
25-25-S	100	100	22.62	31.67	19.82	0.00	158 (8)	9568 (8)	2007 (8)
25-26-S	100	100	22.62	31.67	8.27	0.00	66 (8)	3991 (8)	837 (8)
26-1-S	100	100	22.62	27.14	11.54	-7.14	95 (8)	5584 (8)	2903 (8)
26-2-S	100	100	22.62	27.14	17.59	-13.87	241 (8)	14183 (8)	5642 (8)
26-3-S	100	100	22.62	27.14	24.94	-21.99	331 (8)	19499 (8)	8945 (8)
26-4-S	100	100	22.62	27.14	0.04	-147.12	1167 (8)	15120 (8)	59832 (8)
26-5-S	100	100	22.62	27.14	0.74	-238.24	1891 (8)	24485 (8)	96891 (8)
26-6-S	100	100	22.62	27.14	0.00	-146.62	1164 (8)	15069 (8)	59629 (8)
26-7-S	100	100	22.62	27.14	0.00	-109.30	867 (8)	11233 (8)	44450 (8)
26-8-S	100	100	22.62	27.14	0.48	-72.46	575 (8)	7447 (8)	29468 (8)
26-9-S	100	100	22.62	27.14	14.06	-64.83	514 (8)	11907 (8)	26364 (8)
26-10-S	100	100	22.62	27.14	35.50	-65.05	516 (8)	22547 (8)	26457 (8)
26-11-S	100	100	22.62	27.14	3.42	-100.42	797 (8)	10320 (8)	40839 (8)
26-12-S	100	100	22.62	27.14	6.81	-171.26	1359 (8)	17600 (8)	69647 (8)
26-13-S	100	100	22.62	27.14	4.61	-131.25	1042 (8)	13489 (8)	53379 (8)
26-14-S	100	100	22.62	27.14	2.43	-91.27	724 (8)	9380 (8)	37117 (8)
26-15-S	100	100	22.62	27.14	2.05	-48.67	386 (8)	5002 (8)	19792 (8)
26-16-S	100	100	22.62	27.14	139.42	-0.08	120 (5)	7071 (5)	3553 (5)
26-17-S	100	100	22.62	27.14	157.65	0.00	482 (5)	28337 (5)	6126 (5)
26-18-S	100	100	22.62	27.14	160.99	0.00	793 (5)	46630 (5)	10080 (5)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
26-19-S	100	100	22.62	27.14	154.34	0.00	1025 (5)	60315 (5)	13039 (5)
26-20-S	100	100	22.62	27.14	152.92	0.00	1258 (8)	74000 (8)	15997 (8)
26-21-S	100	100	22.62	27.14	118.06	-0.74	971 (8)	57134 (8)	12351 (8)
26-22-S	100	100	22.62	27.14	80.85	-6.21	665 (8)	39128 (8)	8458 (8)
26-23-S	100	100	22.62	27.14	54.70	-22.94	562 (8)	33089 (8)	9328 (8)
26-24-S	100	100	22.62	27.14	32.00	-43.61	439 (8)	25808 (8)	22169 (8)
26-25-S	100	100	22.62	27.14	20.41	-39.86	316 (8)	16459 (8)	16209 (8)
26-26-S	100	100	22.62	27.14	13.27	-16.86	136 (8)	8025 (8)	6858 (8)
27-1-S	100	100	22.62	27.14	8.76	-12.09	180 (8)	10595 (8)	4916 (8)
27-2-S	100	100	22.62	27.14	13.61	-19.30	280 (8)	16463 (8)	7850 (8)
27-3-S	100	100	22.62	27.14	19.86	-25.49	264 (8)	15525 (8)	10366 (8)
27-4-S	100	100	22.62	27.14	0.05	-127.96	1015 (8)	13151 (8)	52039 (8)
27-5-S	100	100	22.62	27.14	0.96	-202.05	1603 (8)	20765 (8)	82171 (8)
27-6-S	100	100	22.62	27.14	0.00	-81.97	651 (8)	8425 (8)	33338 (8)
27-7-S	100	100	22.62	27.14	247.78	0.00	491 (5)	6360 (5)	25169 (5)
27-8-S	100	100	22.62	27.14	236.17	-0.01	334 (5)	4319 (5)	17092 (5)
27-9-S	100	100	22.62	27.14	215.33	-0.01	372 (5)	19295 (5)	19056 (5)
27-10-S	100	100	22.62	27.14	28.49	-57.61	492 (8)	28950 (8)	23430 (8)
27-11-S	100	100	22.62	27.14	0.01	-100.35	796 (8)	10313 (8)	40810 (8)
27-12-S	100	100	22.62	27.14	0.94	-172.49	1369 (8)	17728 (8)	70151 (8)
27-13-S	100	100	22.62	27.14	0.02	-135.98	1079 (8)	13975 (8)	55301 (8)
27-14-S	100	100	22.62	27.14	0.00	-100.36	796 (8)	10314 (8)	40814 (8)
27-15-S	100	100	22.62	27.14	0.00	-58.41	464 (8)	6003 (8)	23757 (8)
27-16-S	100	100	22.62	27.14	134.47	-0.42	53 (5)	3096 (5)	2623 (5)
27-17-S	100	100	22.62	27.14	154.93	-0.13	457 (5)	26874 (5)	5809 (5)
27-18-S	100	100	22.62	27.14	158.25	-0.07	787 (5)	46308 (5)	10011 (5)
27-19-S	100	100	22.62	27.14	150.40	-0.08	1033 (5)	60755 (5)	13134 (5)
27-20-S	100	100	22.62	27.14	155.40	0.00	1278 (8)	75204 (8)	16257 (8)
27-21-S	100	100	22.62	27.14	120.52	-0.13	991 (8)	58325 (8)	12609 (8)
27-22-S	100	100	22.62	27.14	79.33	-1.15	653 (8)	38390 (8)	8299 (8)
27-23-S	100	100	22.62	27.14	48.77	-13.15	527 (8)	30976 (8)	6696 (8)
27-24-S	100	100	22.62	27.14	26.29	-34.63	349 (8)	20551 (8)	14085 (8)
27-25-S	100	100	22.62	27.14	17.31	-31.50	250 (8)	13961 (8)	12809 (8)
27-26-S	100	100	22.62	27.14	9.82	-9.11	135 (8)	7919 (8)	4633 (8)

Pali in c.a.

Ip	Is	Ar [cmq]	σc [kPa]	σf [kPa]	τc [kPa]	σstf [kPa]
1	1	152.05	5432	66276		
1	2	152.05	4346	54187		
1	3	152.05	3363	43080		
1	4	152.05	2551	33701		
1	5	152.05	1945	26530		
1	6	152.05	1439	20523		
1	7	152.05	1183	17481		
1	8	152.05	1527	21582		
1	9	152.05	1791	24734		
1	10	152.05	1982	27005		
1	11	152.05	2105	28480		
1	12	152.05	2170	29262		
1	13	152.05	2186	29456		
1	14	152.05	2161	29174		
1	15	152.05	2106	28524		
1	16	152.05	2028	27607		
1	17	152.05	1936	26514		
1	18	152.05	1835	25326		
1	19	152.05	1732	24111		
1	20	152.05	1631	22923		
1	21	152.05	1537	21805		
1	22	152.05	1450	20786		
1	23	152.05	1374	19886		
1	24	152.05	1308	19116		
1	25	152.05	1254	18477		
1	26	152.05	1210	17965		
1	27	152.05	1176	17573		
1	28	152.05	1159	17380		
1	29	152.05	1182	17651		
1	30	152.05	1197	17842		
1	31	152.05	1207	17968		
1	32	152.05	1212	18042		
1	33	152.05	1215	18078		
1	34	152.05	1215	18087		
1	35	152.05	1213	18077		
1	36	152.05	1211	18057		

RELAZIONE DI CALCOLO

Ip	Is	Ar [cmq]	σ_c [kPa]	σ_f [kPa]	τ_c [kPa]	σ_{stf} [kPa]
1	37	152.05	1208	18032		
1	38	152.05	1205	18009		
1	39	152.05	1203	17989		
1	40	152.05	1201	17975		
1	41	152.05	1200	17968		
1	42	152.05	1199	17969		
1	43	152.05	1199	17977		
1	44	152.05	1200	17993		
1	45	152.05	1201	18015		
1	46	152.05	1204	18061		
1	47	152.05	1208	18109		
1	48	152.05	1211	18153		
1	49	152.05	1213	18194		
1	50	152.05	1216	18234		
1	51	152.05	1218	18272		
1	52	152.05	1221	18309		
1	53	152.05	1223	18346		
1	54	152.05	1226	18383		
1	55	152.05	1228	18420		
1	56	152.05	1231	18457		
1	57	152.05	1233	18495		
1	58	152.05	1236	18533		
1	59	152.05	1238	18572		
1	60	152.05	1241	18610		
1	61	152.05	1243	18649		
1	62	152.05	1246	18690		
1	63	152.05	1249	18730		
1	64	152.05	1251	18770		
1	65	152.05	1254	18810		
1	66	152.05	1257	18850		
1	67	152.05	1259	18889		
1	68	152.05	1262	18929		
1	69	152.05	1265	18969		
1	70	152.05	1267	19008		
1	71	152.05	1270	19048		
1	72	152.05	1273	19088		
1	73	152.05	1275	19128		
1	74	152.05	1278	19168		
1	75	152.05	1280	19207		
1	76	152.05	1283	19247		
1	77	152.05	1286	19287		
1	78	152.05	1288	19327		
1	79	152.05	1291	19367		
1	80	152.05	1294	19407		
1	81	152.05	1296	19446		
1	82	152.05	1299	19486		
1	83	152.05	1302	19526		
1	84	152.05	1304	19566		
1	85	152.05	1307	19606		
1	86	152.05	1310	19646		
1	87	152.05	1312	19686		
1	88	152.05	1315	19725		
1	89	152.05	1318	19765		
1	90	152.05	1320	19805		
1	91	152.05	1323	19845		
1	92	152.05	1326	19885		
1	93	152.05	1328	19925		
1	94	152.05	1331	19965		
1	95	152.05	1334	20004		
1	96	152.05	1336	20044		
1	97	152.05	1339	20084		
1	98	152.05	1342	20124		
1	99	152.05	1344	20164		
1	100	152.05	1347	20204		
1	101	152.05	1350	20243		
2	1	152.05	5491	67756		
2	2	152.05	4414	55693		
2	3	152.05	3457	44789		
2	4	152.05	2689	35831		
2	5	152.05	2097	28804		
2	6	152.05	1590	22791		
2	7	152.05	1333	19744		
2	8	152.05	1677	23840		
2	9	152.05	1941	26987		
2	10	152.05	2131	29252		
2	11	152.05	2255	30722		
2	12	152.05	2319	31498		

RELAZIONE DI CALCOLO

Ip	Is	Ar [cmq]	σ_c [kPa]	σ_f [kPa]	τ_c [kPa]	σ_{stf} [kPa]
2	13	152.05	2334	31687		
2	14	152.05	2310	31400		
2	15	152.05	2254	30744		
2	16	152.05	2176	29822		
2	17	152.05	2083	28723		
2	18	152.05	1982	27530		
2	19	152.05	1879	26310		
2	20	152.05	1778	25116		
2	21	152.05	1682	23993		
2	22	152.05	1596	22969		
2	23	152.05	1519	22063		
2	24	152.05	1453	21288		
2	25	152.05	1398	20643		
2	26	152.05	1354	20126		
2	27	152.05	1320	19729		
2	28	152.05	1303	19531		
2	29	152.05	1325	19796		
2	30	152.05	1340	19981		
2	31	152.05	1349	20102		
2	32	152.05	1354	20171		
2	33	152.05	1356	20202		
2	34	152.05	1356	20205		
2	35	152.05	1354	20190		
2	36	152.05	1351	20164		
2	37	152.05	1348	20134		
2	38	152.05	1345	20105		
2	39	152.05	1342	20080		
2	40	152.05	1340	20060		
2	41	152.05	1339	20048		
2	42	152.05	1338	20044		
2	43	152.05	1337	20047		
2	44	152.05	1338	20057		
2	45	152.05	1338	20074		
2	46	152.05	1341	20114		
2	47	152.05	1344	20157		
2	48	152.05	1347	20196		
2	49	152.05	1349	20232		
2	50	152.05	1351	20266		
2	51	152.05	1354	20299		
2	52	152.05	1356	20331		
2	53	152.05	1358	20362		
2	54	152.05	1360	20394		
2	55	152.05	1362	20425		
2	56	152.05	1364	20457		
2	57	152.05	1366	20490		
2	58	152.05	1368	20522		
2	59	152.05	1370	20555		
2	60	152.05	1373	20589		
2	61	152.05	1375	20623		
2	62	152.05	1377	20657		
2	63	152.05	1379	20692		
2	64	152.05	1382	20727		
2	65	152.05	1384	20761		
2	66	152.05	1386	20796		
2	67	152.05	1389	20830		
2	68	152.05	1391	20865		
2	69	152.05	1393	20899		
2	70	152.05	1396	20933		
2	71	152.05	1398	20968		
2	72	152.05	1400	21002		
2	73	152.05	1402	21036		
2	74	152.05	1405	21071		
2	75	152.05	1407	21105		
2	76	152.05	1409	21140		
2	77	152.05	1412	21174		
2	78	152.05	1414	21209		
2	79	152.05	1416	21243		
2	80	152.05	1419	21278		
2	81	152.05	1421	21312		
2	82	152.05	1423	21347		
2	83	152.05	1425	21381		
2	84	152.05	1428	21416		
2	85	152.05	1430	21450		
2	86	152.05	1432	21485		
2	87	152.05	1435	21519		
2	88	152.05	1437	21554		
2	89	152.05	1439	21588		

RELAZIONE DI CALCOLO

Ip	Is	Ar [cmq]	σ_c [kPa]	σ_f [kPa]	τ_c [kPa]	σ_{stf} [kPa]
2	90	152.05	1442	21623		
2	91	152.05	1444	21657		
2	92	152.05	1446	21692		
2	93	152.05	1448	21726		
2	94	152.05	1451	21761		
2	95	152.05	1453	21795		
2	96	152.05	1455	21830		
2	97	152.05	1458	21864		
2	98	152.05	1460	21899		
2	99	152.05	1462	21933		
2	100	152.05	1464	21967		
2	101	152.05	1467	22002		
3	1	152.05	5553	69236		
3	2	152.05	4491	57259		
3	3	152.05	3566	46633		
3	4	152.05	2837	38066		
3	5	152.05	2248	31078		
3	6	152.05	1742	25060		
3	7	152.05	1484	22007		
3	8	152.05	1828	26097		
3	9	152.05	2092	29239		
3	10	152.05	2281	31499		
3	11	152.05	2404	32964		
3	12	152.05	2468	33734		
3	13	152.05	2483	33918		
3	14	152.05	2458	33625		
3	15	152.05	2402	32964		
3	16	152.05	2323	32036		
3	17	152.05	2230	30933		
3	18	152.05	2129	29734		
3	19	152.05	2025	28508		
3	20	152.05	1924	27310		
3	21	152.05	1828	26180		
3	22	152.05	1741	25151		
3	23	152.05	1664	24241		
3	24	152.05	1598	23459		
3	25	152.05	1543	22809		
3	26	152.05	1498	22287		
3	27	152.05	1464	21884		
3	28	152.05	1446	21681		
3	29	152.05	1468	21941		
3	30	152.05	1482	22121		
3	31	152.05	1491	22236		
3	32	152.05	1496	22300		
3	33	152.05	1498	22325		
3	34	152.05	1497	22323		
3	35	152.05	1495	22302		
3	36	152.05	1492	22271		
3	37	152.05	1488	22236		
3	38	152.05	1485	22202		
3	39	152.05	1482	22171		
3	40	152.05	1479	22146		
3	41	152.05	1477	22129		
3	42	152.05	1476	22119		
3	43	152.05	1475	22117		
3	44	152.05	1475	22122		
3	45	152.05	1476	22133		
3	46	152.05	1478	22168		
3	47	152.05	1481	22205		
3	48	152.05	1483	22239		
3	49	152.05	1485	22269		
3	50	152.05	1487	22298		
3	51	152.05	1489	22325		
3	52	152.05	1490	22352		
3	53	152.05	1492	22378		
3	54	152.05	1494	22405		
3	55	152.05	1496	22431		
3	56	152.05	1497	22457		
3	57	152.05	1499	22484		
3	58	152.05	1501	22512		
3	59	152.05	1503	22539		
3	60	152.05	1505	22567		
3	61	152.05	1506	22596		
3	62	152.05	1508	22625		
3	63	152.05	1510	22655		
3	64	152.05	1512	22684		
3	65	152.05	1514	22713		

RELAZIONE DI CALCOLO

Ip	Is	Ar [cmq]	σ_c [kPa]	σ_f [kPa]	Tc [kPa]	σ_{stf} [kPa]
3	66	152.05	1516	22742		
3	67	152.05	1518	22771		
3	68	152.05	1520	22800		
3	69	152.05	1522	22829		
3	70	152.05	1524	22858		
3	71	152.05	1526	22887		
3	72	152.05	1528	22916		
3	73	152.05	1530	22945		
3	74	152.05	1532	22974		
3	75	152.05	1534	23003		
3	76	152.05	1535	23032		
3	77	152.05	1537	23062		
3	78	152.05	1539	23091		
3	79	152.05	1541	23120		
3	80	152.05	1543	23149		
3	81	152.05	1545	23178		
3	82	152.05	1547	23207		
3	83	152.05	1549	23236		
3	84	152.05	1551	23265		
3	85	152.05	1553	23295		
3	86	152.05	1555	23324		
3	87	152.05	1557	23353		
3	88	152.05	1559	23382		
3	89	152.05	1561	23411		
3	90	152.05	1563	23440		
3	91	152.05	1565	23469		
3	92	152.05	1567	23498		
3	93	152.05	1569	23528		
3	94	152.05	1570	23557		
3	95	152.05	1572	23586		
3	96	152.05	1574	23615		
3	97	152.05	1576	23644		
3	98	152.05	1578	23673		
3	99	152.05	1580	23702		
3	100	152.05	1582	23731		
3	101	152.05	1584	23760		

Combinazioni SLEF

Paramento

Tensione massima di compressione nel calcestruzzo 33200 [kPa]
Tensione massima di trazione dell'acciaio 450000 [kPa]

n°	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	M [kNm]	N [kN]	σ_c [kPa]	σ_{fi} [kPa]	σ_{fs} [kPa]
1	100	30	22.62	22.62	-0.45	3.00	44 (6)	328 (6)	394 (6)
2	100	31	22.62	22.62	-0.39	3.74	34 (6)	323 (6)	128 (6)
3	100	32	22.62	22.62	-0.24	4.52	23 (6)	268 (6)	78 (6)
4	100	33	22.62	22.62	0.01	5.32	14 (6)	194 (6)	202 (6)
5	100	35	22.62	22.62	0.36	6.14	30 (6)	92 (6)	353 (6)
6	100	36	22.62	22.62	0.81	7.00	53 (6)	191 (6)	553 (6)
7	100	37	22.62	22.62	1.37	7.89	85 (6)	786 (6)	782 (6)
8	100	38	22.62	22.62	2.05	8.80	121 (6)	1566 (6)	1026 (6)
9	100	39	22.62	22.62	2.85	9.74	158 (6)	2474 (6)	1286 (6)
10	100	40	22.62	22.62	3.78	10.71	197 (6)	3492 (6)	1565 (6)
11	100	42	22.62	22.62	4.83	11.71	238 (6)	4611 (6)	1864 (6)
12	100	43	22.62	22.62	6.02	12.74	281 (6)	5823 (6)	2182 (6)
13	100	44	22.62	22.62	7.35	13.79	324 (6)	7124 (6)	2519 (6)
14	100	45	22.62	22.62	8.82	14.88	369 (6)	8512 (6)	2874 (6)
15	100	46	22.62	22.62	10.44	15.99	415 (6)	9982 (6)	3247 (6)
16	100	47	22.62	22.62	12.22	17.13	463 (6)	11534 (6)	3636 (6)
17	100	49	22.62	22.62	14.15	18.30	511 (6)	13163 (6)	4042 (6)
18	100	50	22.62	22.62	16.25	19.49	560 (6)	14869 (6)	4464 (6)
19	100	51	22.62	22.62	18.52	20.72	610 (6)	16650 (6)	4901 (6)
20	100	52	22.62	22.62	20.96	21.97	660 (6)	18505 (6)	5352 (6)
21	100	53	22.62	22.62	23.58	23.25	712 (6)	20431 (6)	5818 (6)
22	100	54	22.62	22.62	26.39	24.56	764 (6)	22429 (6)	6297 (6)
23	100	56	22.62	22.62	29.38	25.90	817 (6)	24497 (6)	6790 (6)
24	100	57	22.62	22.62	32.57	27.27	871 (6)	26634 (6)	7295 (6)
25	100	58	22.62	22.62	35.96	28.66	925 (6)	28840 (6)	7813 (6)
26	100	59	22.62	22.62	39.55	30.09	980 (6)	31113 (6)	8343 (6)

RELAZIONE DI CALCOLO

n°	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	M [kNm]	N [kN]	σc [kPa]	ofi [kPa]	ofs [kPa]
27	100	60	22.62	22.62	43.34	31.54	1035 (6)	33453 (6)	8885 (6)
28	100	61	22.62	22.62	47.36	33.02	1091 (6)	35859 (6)	9438 (6)
29	100	63	22.62	22.62	51.58	34.53	1148 (6)	38332 (6)	10003 (6)
30	100	64	22.62	22.62	56.04	36.06	1205 (6)	40869 (6)	10578 (6)
31	100	65	22.62	22.62	60.72	37.63	1263 (6)	43471 (6)	11164 (6)
32	100	66	22.62	22.62	65.63	39.22	1321 (6)	46138 (6)	11761 (6)
33	100	67	22.62	22.62	70.78	40.84	1380 (6)	48869 (6)	12368 (6)
34	100	68	22.62	22.62	76.17	42.49	1440 (6)	51663 (6)	12985 (6)
35	100	70	22.62	22.62	81.81	44.17	1500 (6)	54521 (6)	13612 (6)
36	100	71	22.62	22.62	87.71	45.88	1560 (6)	57441 (6)	14248 (6)
37	100	72	22.62	22.62	93.86	47.61	1621 (6)	60425 (6)	14894 (6)
38	100	73	22.62	45.24	100.27	49.37	1336 (6)	32990 (6)	14248 (6)
39	100	74	22.62	45.24	106.95	51.17	1384 (6)	34595 (6)	14823 (6)
40	100	75	22.62	45.24	113.90	52.99	1433 (6)	36232 (6)	15405 (6)
41	100	77	22.62	45.24	121.13	54.83	1482 (6)	37901 (6)	15992 (6)
42	100	78	22.62	45.24	128.64	56.71	1531 (6)	39601 (6)	16586 (6)
43	100	79	22.62	45.24	136.43	58.61	1581 (6)	41333 (6)	17186 (6)
44	100	80	22.62	45.24	144.52	60.55	1631 (6)	43096 (6)	17792 (6)
45	100	81	22.62	45.24	152.91	62.51	1681 (6)	44890 (6)	18404 (6)
46	100	82	22.62	45.24	161.59	64.50	1732 (6)	46715 (6)	19022 (6)
47	100	84	22.62	45.24	170.59	66.52	1783 (6)	48572 (6)	19646 (6)
48	100	85	22.62	45.24	179.89	68.56	1834 (6)	50459 (6)	20275 (6)
49	100	86	22.62	45.24	189.51	70.64	1886 (6)	52377 (6)	20910 (6)
50	100	87	22.62	45.24	199.45	72.74	1938 (6)	54326 (6)	21550 (6)
51	100	88	22.62	45.24	209.72	74.87	1990 (6)	56306 (6)	22196 (6)
52	100	89	0.00	45.24	220.32	77.03	2291 (6)	59311 (6)	0 (6)
53	100	91	0.00	45.24	231.25	79.22	2348 (6)	61385 (6)	0 (6)
54	100	92	0.00	45.24	242.52	81.44	2406 (6)	63489 (6)	0 (6)
55	100	93	0.00	45.24	254.14	83.68	2465 (6)	65624 (6)	0 (6)
56	100	94	0.00	45.24	266.11	85.95	2523 (6)	67790 (6)	0 (6)
57	100	95	0.00	45.24	278.44	88.26	2582 (6)	69986 (6)	0 (6)
58	100	96	0.00	45.24	291.12	90.59	2641 (6)	72213 (6)	0 (6)
59	100	98	0.00	45.24	304.17	92.94	2700 (6)	74472 (6)	0 (6)
60	100	99	0.00	45.24	317.59	95.33	2760 (6)	76760 (6)	0 (6)
61	100	100	0.00	45.24	331.39	97.74	2826 (6)	79196 (6)	0 (6)

Piastra fondazione

Tensione massima di compressione nel calcestruzzo 19920 [kPa]
Tensione massima di trazione dell'acciaio 360000 [kPa]

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	ofi [kPa]	ofs [kPa]
1-1-P	100	100	27.14	27.14	13.74	-5.59	132 (8)	6964 (8)	2267 (8)
1-2-P	100	100	27.14	27.14	1.53	-12.40	96 (8)	1548 (8)	5029 (8)
1-3-P	100	100	27.14	27.14	0.38	-30.28	234 (8)	3015 (8)	12279 (8)
1-4-P	100	100	27.14	27.14	0.27	-67.42	520 (8)	6714 (8)	27340 (8)
1-5-P	100	100	27.14	27.14	0.00	-112.48	868 (8)	11201 (8)	45615 (8)
1-6-P	100	100	27.14	27.14	0.26	-68.63	529 (8)	6835 (8)	27833 (8)
1-7-P	100	100	27.14	27.14	0.08	-28.87	223 (8)	2875 (8)	11706 (8)
1-8-P	100	100	27.14	27.14	2.32	-7.35	57 (8)	2355 (8)	2979 (8)
1-9-P	100	100	27.14	27.14	11.97	-1.56	92 (8)	4854 (8)	1192 (8)
1-10-P	100	100	27.14	27.14	22.82	-0.08	176 (8)	9255 (8)	2273 (8)
1-11-P	100	100	27.14	27.14	22.62	0.00	174 (8)	9173 (8)	2253 (8)
1-12-P	100	100	27.14	27.14	22.57	-0.06	174 (8)	9151 (8)	2247 (8)
1-13-P	100	100	27.14	27.14	12.50	-1.40	96 (8)	5067 (8)	1244 (8)
1-14-P	100	100	27.14	27.14	2.55	-5.68	44 (8)	1724 (8)	2303 (8)
1-15-P	100	100	27.14	27.14	0.12	-25.34	195 (8)	2524 (8)	10278 (8)
1-16-P	100	100	27.14	27.14	0.27	-62.38	481 (8)	6212 (8)	25296 (8)
1-17-P	100	100	27.14	27.14	0.00	-103.09	795 (8)	10266 (8)	41804 (8)
1-18-P	100	100	27.14	27.14	0.28	-62.38	481 (8)	6212 (8)	25298 (8)
1-19-P	100	100	27.14	27.14	0.13	-25.35	196 (8)	2524 (8)	10279 (8)
1-20-P	100	100	27.14	27.14	2.52	-5.80	45 (8)	1702 (8)	2353 (8)
1-21-P	100	100	27.14	27.14	12.12	-1.45	93 (8)	4913 (8)	1206 (8)
1-22-P	100	100	27.14	27.14	21.86	-0.06	169 (8)	8866 (8)	2177 (8)
1-23-P	100	100	27.14	27.14	21.72	0.00	168 (8)	8807 (8)	2163 (8)
1-24-P	100	100	27.14	27.14	21.73	-0.11	168 (8)	8814 (8)	2164 (8)
1-25-P	100	100	27.14	27.14	9.75	-0.68	75 (8)	3954 (8)	971 (8)
1-26-P	100	100	27.14	27.14	0.66	-7.26	56 (8)	1348 (8)	2945 (8)
1-27-P	100	100	27.14	27.14	0.00	-11.86	152 (8)	1968 (8)	8014 (8)
1-28-P	100	100	27.14	27.14	0.31	-43.78	338 (8)	4359 (8)	17752 (8)
1-29-P	100	100	27.14	27.14	0.10	-87.78	677 (8)	8741 (8)	35596 (8)
1-30-P	100	100	27.14	27.14	0.22	-31.88	307 (8)	3968 (8)	16161 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
1-31-P	100	100	27.14	27.14	0.34	-30.00	231 (8)	2987 (8)	12164 (8)
1-32-P	100	100	27.14	27.14	2.67	-10.35	80 (8)	2707 (8)	4198 (8)
1-33-P	100	100	27.14	27.14	11.90	-1.96	92 (8)	4825 (8)	1185 (8)
1-34-P	100	100	27.14	27.14	24.00	-0.09	185 (8)	9731 (8)	2390 (8)
1-35-P	100	100	27.14	27.14	23.32	0.00	180 (8)	9456 (8)	2322 (8)
1-36-P	100	100	27.14	27.14	22.81	-0.09	176 (8)	9251 (8)	2272 (8)
1-37-P	100	100	27.14	27.14	10.42	-0.63	80 (8)	4226 (8)	1038 (8)
1-38-P	100	100	27.14	27.14	0.64	-6.87	53 (8)	1301 (8)	2787 (8)
1-39-P	100	100	27.14	27.14	0.00	-11.72	151 (8)	1946 (8)	7923 (8)
1-40-P	100	100	27.14	27.14	0.31	-43.72	337 (8)	4354 (8)	17730 (8)
1-41-P	100	100	27.14	27.14	0.10	-87.79	677 (8)	8743 (8)	35602 (8)
1-42-P	100	100	27.14	27.14	0.23	-31.91	308 (8)	3972 (8)	16174 (8)
1-43-P	100	100	27.14	27.14	0.34	-30.05	232 (8)	2992 (8)	12185 (8)
1-44-P	100	100	27.14	27.14	2.65	-10.39	80 (8)	2690 (8)	4212 (8)
1-45-P	100	100	27.14	27.14	11.86	-1.97	91 (8)	4808 (8)	1181 (8)
1-46-P	100	100	27.14	27.14	23.96	-0.09	185 (8)	9717 (8)	2386 (8)
1-47-P	100	100	27.14	27.14	23.29	0.00	180 (8)	9446 (8)	2319 (8)
1-48-P	100	100	27.14	27.14	22.79	-0.09	176 (8)	9244 (8)	2270 (8)
1-49-P	100	100	27.14	27.14	10.41	-0.63	80 (8)	4221 (8)	1036 (8)
1-50-P	100	100	27.14	27.14	0.64	-6.88	53 (8)	1301 (8)	2791 (8)
1-51-P	100	100	27.14	27.14	0.00	-11.73	151 (8)	1946 (8)	7926 (8)
1-52-P	100	100	27.14	27.14	0.31	-43.72	337 (8)	4354 (8)	17732 (8)
1-53-P	100	100	27.14	27.14	0.10	-87.80	677 (8)	8743 (8)	35604 (8)
1-54-P	100	100	27.14	27.14	0.23	-31.91	308 (8)	3972 (8)	16176 (8)
1-55-P	100	100	27.14	27.14	0.34	-30.05	232 (8)	2993 (8)	12187 (8)
1-56-P	100	100	27.14	27.14	2.65	-10.39	80 (8)	2688 (8)	4215 (8)
1-57-P	100	100	27.14	27.14	11.84	-1.97	91 (8)	4803 (8)	1179 (8)
1-58-P	100	100	27.14	27.14	23.94	-0.09	185 (8)	9709 (8)	2384 (8)
1-59-P	100	100	27.14	27.14	23.26	0.00	179 (8)	9432 (8)	2316 (8)
1-60-P	100	100	27.14	27.14	22.75	-0.09	175 (8)	9225 (8)	2265 (8)
1-61-P	100	100	27.14	27.14	10.35	-0.63	80 (8)	4197 (8)	1031 (8)
1-62-P	100	100	27.14	27.14	0.63	-6.94	54 (8)	1277 (8)	2815 (8)
1-63-P	100	100	27.14	27.14	0.00	-11.79	152 (8)	1957 (8)	7968 (8)
1-64-P	100	100	27.14	27.14	0.31	-43.84	338 (8)	4366 (8)	17778 (8)
1-65-P	100	100	27.14	27.14	0.10	-87.91	678 (8)	8754 (8)	35649 (8)
1-66-P	100	100	27.14	27.14	0.22	-31.99	308 (8)	3982 (8)	16216 (8)
1-67-P	100	100	27.14	27.14	0.33	-30.15	233 (8)	3003 (8)	12227 (8)
1-68-P	100	100	27.14	27.14	2.63	-10.30	79 (8)	2669 (8)	4178 (8)
1-69-P	100	100	27.14	27.14	12.16	-1.90	94 (8)	4930 (8)	1211 (8)
1-70-P	100	100	27.14	27.14	24.62	-0.08	190 (8)	9982 (8)	2451 (8)
1-71-P	100	100	27.14	27.14	24.16	0.00	186 (8)	9798 (8)	2406 (8)
1-72-P	100	100	27.14	27.14	23.86	-0.07	184 (8)	9675 (8)	2376 (8)
1-73-P	100	100	27.14	27.14	12.60	-1.50	97 (8)	5108 (8)	1254 (8)
1-74-P	100	100	27.14	27.14	2.38	-7.05	54 (8)	2409 (8)	2858 (8)
1-75-P	100	100	27.14	27.14	0.08	-28.75	222 (8)	2863 (8)	11658 (8)
1-76-P	100	100	27.14	27.14	0.26	-68.58	529 (8)	6830 (8)	27812 (8)
1-77-P	100	100	27.14	27.14	0.00	-112.49	868 (8)	11202 (8)	45620 (8)
1-78-P	100	100	27.14	27.14	0.27	-67.45	520 (8)	6716 (8)	27351 (8)
1-79-P	100	100	27.14	27.14	0.36	-30.30	234 (8)	3017 (8)	12287 (8)
1-80-P	100	100	27.14	27.14	1.51	-12.42	96 (8)	1533 (8)	5035 (8)
1-81-P	100	100	27.14	27.14	13.72	-5.59	132 (8)	6957 (8)	2269 (8)
3-1-P	100	100	22.62	22.62	1.89	-12.84	109 (8)	3849 (8)	6231 (8)
3-2-P	100	100	22.62	22.62	0.00	-19.18	163 (8)	2074 (8)	9307 (8)
3-3-P	100	100	22.62	22.62	0.00	-27.41	232 (8)	2964 (8)	13298 (8)
3-4-P	100	100	22.62	22.62	0.09	-21.47	182 (8)	2322 (8)	10418 (8)
3-5-P	100	100	22.62	22.62	2.70	-18.05	153 (8)	2293 (8)	8759 (8)
3-6-P	100	100	22.62	22.62	4.55	-28.14	238 (8)	4213 (8)	13655 (8)
3-7-P	100	100	22.62	22.62	0.33	-32.17	273 (8)	3479 (8)	15609 (8)
3-8-P	100	100	22.62	22.62	0.00	-31.58	268 (8)	3416 (8)	15325 (8)
3-9-P	100	100	22.62	22.62	2.24	-27.90	236 (8)	3798 (8)	13538 (8)
3-10-P	100	100	22.62	22.62	4.98	-26.41	224 (8)	7251 (8)	12813 (8)
3-11-P	100	100	22.62	22.62	3.35	-27.26	231 (8)	5692 (8)	13226 (8)
3-12-P	100	100	22.62	22.62	2.34	-28.72	243 (8)	4762 (8)	13937 (8)
3-13-P	100	100	22.62	22.62	0.00	-35.45	300 (8)	3833 (8)	17198 (8)
3-14-P	100	100	22.62	22.62	0.00	-46.15	391 (8)	4991 (8)	22392 (8)
3-15-P	100	100	22.62	22.62	0.00	-50.87	431 (8)	5501 (8)	24682 (8)
3-16-P	100	100	22.62	22.62	0.00	-46.61	395 (8)	5041 (8)	22616 (8)
3-17-P	100	100	22.62	22.62	0.28	-42.64	361 (8)	4611 (8)	20688 (8)
3-18-P	100	100	22.62	22.62	0.14	-49.91	423 (8)	5397 (8)	24215 (8)
3-19-P	100	100	22.62	22.62	0.00	-57.18	484 (8)	6184 (8)	27742 (8)
3-20-P	100	100	22.62	22.62	0.00	-55.68	472 (8)	6021 (8)	27014 (8)
3-21-P	100	100	22.62	22.62	0.00	-48.24	409 (8)	5217 (8)	23404 (8)
3-22-P	100	100	22.62	22.62	0.36	-42.83	363 (8)	4632 (8)	20783 (8)
3-23-P	100	100	22.62	22.62	0.16	-43.60	369 (8)	4715 (8)	21153 (8)
3-24-P	100	100	22.62	22.62	0.10	-44.49	377 (8)	4812 (8)	21587 (8)
3-25-P	100	100	22.62	22.62	0.00	-52.09	441 (8)	5634 (8)	25276 (8)
3-26-P	100	100	22.62	22.62	0.00	-61.48	521 (8)	6649 (8)	29832 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
3-27-P	100	100	22.62	22.62	0.00	-64.97	550 (8)	7026 (8)	31523 (8)
3-28-P	100	100	22.62	22.62	0.00	-59.60	505 (8)	6446 (8)	28919 (8)
3-29-P	100	100	22.62	22.62	0.02	-54.26	460 (8)	5868 (8)	26326 (8)
3-30-P	100	100	22.62	22.62	0.00	-60.70	514 (8)	6565 (8)	29452 (8)
3-31-P	100	100	22.62	22.62	0.00	-67.17	569 (8)	7264 (8)	32589 (8)
3-32-P	100	100	22.62	22.62	0.00	-64.80	549 (8)	7008 (8)	31441 (8)
3-33-P	100	100	22.62	22.62	0.00	-56.55	479 (8)	6115 (8)	27436 (8)
3-34-P	100	100	22.62	22.62	0.00	-49.99	424 (8)	5407 (8)	24256 (8)
3-35-P	100	100	22.62	22.62	0.00	-50.24	426 (8)	5433 (8)	24376 (8)
3-36-P	100	100	22.62	22.62	0.00	-50.49	428 (8)	5460 (8)	24496 (8)
3-37-P	100	100	22.62	22.62	0.00	-57.54	488 (8)	6223 (8)	27920 (8)
3-38-P	100	100	22.62	22.62	0.00	-66.30	562 (8)	7170 (8)	32169 (8)
3-39-P	100	100	22.62	22.62	0.00	-69.18	586 (8)	7482 (8)	33566 (8)
3-40-P	100	100	22.62	22.62	0.00	-63.24	536 (8)	6840 (8)	30685 (8)
3-41-P	100	100	22.62	22.62	0.00	-57.30	486 (8)	6197 (8)	27804 (8)
3-42-P	100	100	22.62	22.62	0.00	-63.24	536 (8)	6840 (8)	30685 (8)
3-43-P	100	100	22.62	22.62	0.00	-69.18	586 (8)	7482 (8)	33566 (8)
3-44-P	100	100	22.62	22.62	0.00	-66.30	562 (8)	7170 (8)	32169 (8)
3-45-P	100	100	22.62	22.62	0.00	-57.54	488 (8)	6223 (8)	27920 (8)
3-46-P	100	100	22.62	22.62	0.00	-50.49	428 (8)	5460 (8)	24496 (8)
3-47-P	100	100	22.62	22.62	0.00	-50.24	426 (8)	5433 (8)	24376 (8)
3-48-P	100	100	22.62	22.62	0.00	-49.99	424 (8)	5407 (8)	24256 (8)
3-49-P	100	100	22.62	22.62	0.00	-56.55	479 (8)	6115 (8)	27436 (8)
3-50-P	100	100	22.62	22.62	0.00	-64.80	549 (8)	7008 (8)	31441 (8)
3-51-P	100	100	22.62	22.62	0.00	-67.17	569 (8)	7264 (8)	32589 (8)
3-52-P	100	100	22.62	22.62	0.00	-60.70	514 (8)	6565 (8)	29452 (8)
3-53-P	100	100	22.62	22.62	0.02	-54.26	460 (8)	5868 (8)	26326 (8)
3-54-P	100	100	22.62	22.62	0.00	-59.60	505 (8)	6446 (8)	28919 (8)
3-55-P	100	100	22.62	22.62	0.00	-64.97	550 (8)	7026 (8)	31523 (8)
3-56-P	100	100	22.62	22.62	0.00	-61.48	521 (8)	6649 (8)	29832 (8)
3-57-P	100	100	22.62	22.62	0.00	-52.09	441 (8)	5634 (8)	25276 (8)
3-58-P	100	100	22.62	22.62	0.10	-44.49	377 (8)	4812 (8)	21587 (8)
3-59-P	100	100	22.62	22.62	0.16	-43.60	369 (8)	4715 (8)	21153 (8)
3-60-P	100	100	22.62	22.62	0.36	-42.83	363 (8)	4632 (8)	20783 (8)
3-61-P	100	100	22.62	22.62	0.00	-48.24	409 (8)	5217 (8)	23404 (8)
3-62-P	100	100	22.62	22.62	0.00	-55.68	472 (8)	6021 (8)	27014 (8)
3-63-P	100	100	22.62	22.62	0.00	-57.18	484 (8)	6184 (8)	27742 (8)
3-64-P	100	100	22.62	22.62	0.14	-49.91	423 (8)	5397 (8)	24215 (8)
3-65-P	100	100	22.62	22.62	0.28	-42.64	361 (8)	4611 (8)	20688 (8)
3-66-P	100	100	22.62	22.62	0.00	-46.61	395 (8)	5041 (8)	22616 (8)
3-67-P	100	100	22.62	22.62	0.00	-50.87	431 (8)	5501 (8)	24682 (8)
3-68-P	100	100	22.62	22.62	0.00	-46.15	391 (8)	4991 (8)	22392 (8)
3-69-P	100	100	22.62	22.62	0.00	-35.45	300 (8)	3833 (8)	17198 (8)
3-70-P	100	100	22.62	22.62	2.34	-28.72	243 (8)	4762 (8)	13937 (8)
3-71-P	100	100	22.62	22.62	3.35	-27.26	231 (8)	5692 (8)	13226 (8)
3-72-P	100	100	22.62	22.62	4.98	-26.41	224 (8)	7251 (8)	12813 (8)
3-73-P	100	100	22.62	22.62	2.24	-27.90	236 (8)	3798 (8)	13538 (8)
3-74-P	100	100	22.62	22.62	0.00	-31.58	268 (8)	3416 (8)	15325 (8)
3-75-P	100	100	22.62	22.62	0.33	-32.17	273 (8)	3479 (8)	15609 (8)
3-76-P	100	100	22.62	22.62	4.55	-28.14	238 (8)	4213 (8)	13655 (8)
3-77-P	100	100	22.62	22.62	2.70	-18.05	153 (8)	2293 (8)	8759 (8)
3-78-P	100	100	22.62	22.62	0.09	-21.47	182 (8)	2322 (8)	10418 (8)
3-79-P	100	100	22.62	22.62	0.00	-27.41	232 (8)	2964 (8)	13298 (8)
3-80-P	100	100	22.62	22.62	0.00	-19.18	163 (8)	2074 (8)	9307 (8)
3-81-P	100	100	22.62	22.62	1.89	-12.84	109 (8)	3849 (8)	6231 (8)
4-1-P	100	100	22.62	22.62	11.94	0.00	95 (5)	5467 (5)	1219 (5)
4-2-P	100	100	22.62	22.62	3.23	-7.95	67 (8)	3296 (8)	3859 (8)
4-3-P	100	100	22.62	22.62	7.33	-26.51	225 (8)	7467 (8)	12863 (8)
4-4-P	100	100	22.62	22.62	0.00	-96.10	814 (8)	10393 (8)	46627 (8)
4-5-P	100	100	22.62	22.62	0.38	-173.39	1469 (8)	18752 (8)	84130 (8)
4-6-P	100	100	22.62	22.62	1.17	-100.20	849 (8)	10837 (8)	48618 (8)
4-7-P	100	100	22.62	22.62	10.29	-35.35	300 (8)	5245 (8)	17153 (8)
4-8-P	100	100	22.62	22.62	36.18	-22.86	307 (8)	17554 (8)	11090 (8)
4-9-P	100	100	22.62	22.62	80.66	0.00	324 (5)	18543 (5)	4974 (5)
4-10-P	100	100	22.62	22.62	95.33	0.00	361 (5)	20681 (5)	4610 (5)
4-11-P	100	100	22.62	22.62	96.04	0.00	346 (5)	19811 (5)	4416 (5)
4-12-P	100	100	22.62	22.62	96.76	0.00	332 (5)	19031 (5)	4242 (5)
4-13-P	100	100	22.62	22.62	84.54	0.00	208 (5)	11936 (5)	2660 (5)
4-14-P	100	100	22.62	22.62	69.10	0.00	152 (5)	8691 (5)	3724 (5)
4-15-P	100	100	22.62	22.62	0.00	-34.09	289 (8)	3687 (8)	16541 (8)
4-16-P	100	100	22.62	22.62	0.00	-108.90	923 (8)	11778 (8)	52840 (8)
4-17-P	100	100	22.62	22.62	0.09	-183.81	1557 (8)	19878 (8)	89184 (8)
4-18-P	100	100	22.62	22.62	0.07	-111.49	945 (8)	12057 (8)	54094 (8)
4-19-P	100	100	22.62	22.62	0.04	-39.16	332 (8)	4235 (8)	19000 (8)
4-20-P	100	100	22.62	22.62	18.89	-20.42	198 (8)	11319 (8)	9906 (8)
4-21-P	100	100	22.62	22.62	76.99	0.00	184 (5)	10546 (5)	3274 (5)
4-22-P	100	100	22.62	22.62	87.87	0.00	215 (5)	12295 (5)	2740 (5)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
4-23-P	100	100	22.62	22.62	86.82	0.00	205 (5)	11730 (5)	2614 (5)
4-24-P	100	100	22.62	22.62	85.78	0.00	197 (5)	11273 (5)	2513 (5)
4-25-P	100	100	22.62	22.62	72.84	0.00	136 (5)	7784 (5)	1735 (5)
4-26-P	100	100	22.62	22.62	7.46	-14.42	122 (8)	6336 (8)	6997 (8)
4-27-P	100	100	22.62	22.62	0.00	-46.36	393 (8)	5014 (8)	22495 (8)
4-28-P	100	100	22.62	22.62	0.00	-120.48	1021 (8)	13030 (8)	58459 (8)
4-29-P	100	100	22.62	22.62	0.01	-194.61	1649 (8)	21047 (8)	94427 (8)
4-30-P	100	100	22.62	22.62	0.00	-121.62	1030 (8)	13153 (8)	59011 (8)
4-31-P	100	100	22.62	22.62	0.00	-48.64	412 (8)	5260 (8)	23600 (8)
4-32-P	100	100	22.62	22.62	9.11	-19.50	165 (8)	7143 (8)	9459 (8)
4-33-P	100	100	22.62	22.62	67.17	0.00	119 (5)	6791 (5)	2882 (5)
4-34-P	100	100	22.62	22.62	78.70	0.00	144 (5)	8224 (5)	1833 (5)
4-35-P	100	100	22.62	22.62	78.35	0.00	147 (5)	8439 (5)	1881 (5)
4-36-P	100	100	22.62	22.62	78.00	0.00	146 (5)	8342 (5)	1859 (5)
4-37-P	100	100	22.62	22.62	65.77	0.00	104 (5)	5953 (5)	2490 (5)
4-38-P	100	100	22.62	22.62	6.47	-18.49	157 (8)	5989 (8)	8971 (8)
4-39-P	100	100	22.62	22.62	0.00	-50.83	431 (8)	5498 (8)	24665 (8)
4-40-P	100	100	22.62	22.62	0.00	-124.38	1054 (8)	13451 (8)	60348 (8)
4-41-P	100	100	22.62	22.62	0.00	-197.92	1677 (8)	21405 (8)	96030 (8)
4-42-P	100	100	22.62	22.62	0.00	-124.38	1054 (8)	13451 (8)	60348 (8)
4-43-P	100	100	22.62	22.62	0.00	-50.83	431 (8)	5498 (8)	24665 (8)
4-44-P	100	100	22.62	22.62	6.47	-18.49	157 (8)	5989 (8)	8971 (8)
4-45-P	100	100	22.62	22.62	65.77	0.00	104 (5)	5953 (5)	2490 (5)
4-46-P	100	100	22.62	22.62	78.00	0.00	146 (5)	8342 (5)	1859 (5)
4-47-P	100	100	22.62	22.62	78.35	0.00	147 (5)	8439 (5)	1881 (5)
4-48-P	100	100	22.62	22.62	78.70	0.00	144 (5)	8224 (5)	1833 (5)
4-49-P	100	100	22.62	22.62	67.17	0.00	119 (5)	6791 (5)	2882 (5)
4-50-P	100	100	22.62	22.62	9.11	-19.50	165 (8)	7143 (8)	9459 (8)
4-51-P	100	100	22.62	22.62	0.00	-48.64	412 (8)	5260 (8)	23600 (8)
4-52-P	100	100	22.62	22.62	0.00	-121.62	1030 (8)	13153 (8)	59011 (8)
4-53-P	100	100	22.62	22.62	0.01	-194.61	1649 (8)	21047 (8)	94427 (8)
4-54-P	100	100	22.62	22.62	0.00	-120.48	1021 (8)	13030 (8)	58459 (8)
4-55-P	100	100	22.62	22.62	0.00	-46.36	393 (8)	5014 (8)	22495 (8)
4-56-P	100	100	22.62	22.62	7.46	-14.42	122 (8)	6336 (8)	6997 (8)
4-57-P	100	100	22.62	22.62	72.84	0.00	136 (5)	7784 (5)	1735 (5)
4-58-P	100	100	22.62	22.62	85.78	0.00	197 (5)	11273 (5)	2513 (5)
4-59-P	100	100	22.62	22.62	86.82	0.00	205 (5)	11730 (5)	2614 (5)
4-60-P	100	100	22.62	22.62	87.87	0.00	215 (5)	12295 (5)	2740 (5)
4-61-P	100	100	22.62	22.62	76.99	0.00	184 (5)	10546 (5)	3274 (5)
4-62-P	100	100	22.62	22.62	18.89	-20.42	198 (8)	11319 (8)	9906 (8)
4-63-P	100	100	22.62	22.62	0.04	-39.16	332 (8)	4235 (8)	19000 (8)
4-64-P	100	100	22.62	22.62	0.07	-111.49	945 (8)	12057 (8)	54094 (8)
4-65-P	100	100	22.62	22.62	0.09	-183.81	1557 (8)	19878 (8)	89184 (8)
4-66-P	100	100	22.62	22.62	0.00	-108.90	923 (8)	11778 (8)	52840 (8)
4-67-P	100	100	22.62	22.62	0.00	-34.09	289 (8)	3687 (8)	16541 (8)
4-68-P	100	100	22.62	22.62	69.10	0.00	152 (5)	8691 (5)	3724 (5)
4-69-P	100	100	22.62	22.62	84.54	0.00	208 (5)	11936 (5)	2660 (5)
4-70-P	100	100	22.62	22.62	96.76	0.00	332 (5)	19031 (5)	4242 (5)
4-71-P	100	100	22.62	22.62	96.04	0.00	346 (5)	19811 (5)	4416 (5)
4-72-P	100	100	22.62	22.62	95.33	0.00	361 (5)	20681 (5)	4610 (5)
4-73-P	100	100	22.62	22.62	80.66	0.00	324 (5)	18543 (5)	4974 (5)
4-74-P	100	100	22.62	22.62	36.18	-22.86	307 (8)	17554 (8)	11090 (8)
4-75-P	100	100	22.62	22.62	10.29	-35.35	300 (8)	5245 (8)	17153 (8)
4-76-P	100	100	22.62	22.62	1.17	-100.20	849 (8)	10837 (8)	48618 (8)
4-77-P	100	100	22.62	22.62	0.38	-173.39	1469 (8)	18752 (8)	84130 (8)
4-78-P	100	100	22.62	22.62	0.00	-96.10	814 (8)	10393 (8)	46627 (8)
4-79-P	100	100	22.62	22.62	7.33	-26.51	225 (8)	7467 (8)	12863 (8)
4-80-P	100	100	22.62	22.62	3.23	-7.95	67 (8)	3296 (8)	3859 (8)
4-81-P	100	100	22.62	22.62	11.94	0.00	95 (5)	5467 (5)	1219 (5)
5-1-P	100	100	27.14	27.14	1.79	-8.17	59 (5)	763 (5)	3107 (5)
5-2-P	100	100	27.14	27.14	0.33	-14.33	111 (8)	1427 (8)	5810 (8)
5-3-P	100	100	27.14	27.14	0.55	-21.02	162 (8)	2093 (8)	8523 (8)
5-4-P	100	100	27.14	27.14	1.40	-27.45	247 (8)	3189 (8)	12988 (8)
5-5-P	100	100	27.14	27.14	2.69	-34.26	308 (8)	3980 (8)	16209 (8)
5-6-P	100	100	27.14	27.14	5.55	-21.78	220 (8)	3938 (8)	11591 (8)
5-7-P	100	100	27.14	27.14	9.64	-10.47	135 (8)	4889 (8)	7075 (8)
5-8-P	100	100	27.14	27.14	39.07	0.00	158 (5)	8307 (5)	3348 (5)
5-9-P	100	100	27.14	27.14	59.73	0.00	265 (5)	13941 (5)	3423 (5)
5-10-P	100	100	27.14	27.14	76.72	0.00	363 (5)	19069 (5)	4683 (5)
5-11-P	100	100	27.14	27.14	78.98	0.00	366 (5)	19237 (5)	4724 (5)
5-12-P	100	100	27.14	27.14	81.25	0.00	369 (5)	19406 (5)	4765 (5)
5-13-P	100	100	27.14	27.14	69.22	0.00	276 (5)	14531 (5)	3568 (5)
5-14-P	100	100	27.14	27.14	53.62	0.00	169 (5)	8879 (5)	2667 (5)
5-15-P	100	100	27.14	27.14	13.38	-10.61	136 (8)	6782 (8)	7171 (8)
5-16-P	100	100	27.14	27.14	9.93	-21.00	227 (8)	7047 (8)	11921 (8)
5-17-P	100	100	27.14	27.14	7.63	-32.46	329 (8)	6495 (8)	17277 (8)
5-18-P	100	100	27.14	27.14	9.19	-21.76	235 (8)	6521 (8)	12354 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
5-19-P	100	100	27.14	27.14	11.49	-11.74	151 (8)	7769 (8)	7932 (8)
5-20-P	100	100	27.14	27.14	52.46	0.00	130 (5)	6819 (5)	2165 (5)
5-21-P	100	100	27.14	27.14	68.17	0.00	228 (5)	11984 (5)	2943 (5)
5-22-P	100	100	27.14	27.14	80.58	0.00	314 (5)	16516 (5)	4056 (5)
5-23-P	100	100	27.14	27.14	79.76	0.00	308 (5)	16199 (5)	3978 (5)
5-24-P	100	100	27.14	27.14	78.95	0.00	302 (5)	15882 (5)	3900 (5)
5-25-P	100	100	27.14	27.14	65.00	0.00	201 (5)	10557 (5)	2592 (5)
5-26-P	100	100	27.14	27.14	47.76	0.00	120 (5)	6316 (5)	2488 (5)
5-27-P	100	100	27.14	27.14	7.76	-14.39	185 (8)	5248 (8)	9723 (8)
5-28-P	100	100	27.14	27.14	5.47	-25.89	280 (8)	5175 (8)	14699 (8)
5-29-P	100	100	27.14	27.14	4.05	-38.21	387 (8)	4994 (8)	20335 (8)
5-30-P	100	100	27.14	27.14	5.05	-26.66	288 (8)	4774 (8)	15134 (8)
5-31-P	100	100	27.14	27.14	6.34	-15.34	197 (8)	6424 (8)	10366 (8)
5-32-P	100	100	27.14	27.14	43.71	0.00	129 (5)	6772 (5)	3242 (5)
5-33-P	100	100	27.14	27.14	59.64	0.00	160 (5)	8400 (5)	2063 (5)
5-34-P	100	100	27.14	27.14	72.32	0.00	253 (5)	13315 (5)	3270 (5)
5-35-P	100	100	27.14	27.14	71.95	0.00	251 (5)	13197 (5)	3241 (5)
5-36-P	100	100	27.14	27.14	71.58	0.00	249 (5)	13080 (5)	3212 (5)
5-37-P	100	100	27.14	27.14	58.18	0.00	150 (5)	7878 (5)	1935 (5)
5-38-P	100	100	27.14	27.14	41.52	0.00	113 (5)	5920 (5)	3622 (5)
5-39-P	100	100	27.14	27.14	5.34	-16.77	216 (8)	5411 (8)	11332 (8)
5-40-P	100	100	27.14	27.14	3.86	-28.50	308 (8)	4111 (8)	16182 (8)
5-41-P	100	100	27.14	27.14	2.90	-40.69	412 (8)	5318 (8)	21657 (8)
5-42-P	100	100	27.14	27.14	3.86	-28.50	308 (8)	4111 (8)	16182 (8)
5-43-P	100	100	27.14	27.14	5.34	-16.77	216 (8)	5411 (8)	11332 (8)
5-44-P	100	100	27.14	27.14	41.52	0.00	113 (5)	5920 (5)	3622 (5)
5-45-P	100	100	27.14	27.14	58.18	0.00	150 (5)	7878 (5)	1935 (5)
5-46-P	100	100	27.14	27.14	71.58	0.00	249 (5)	13080 (5)	3212 (5)
5-47-P	100	100	27.14	27.14	71.95	0.00	251 (5)	13197 (5)	3241 (5)
5-48-P	100	100	27.14	27.14	72.32	0.00	253 (5)	13315 (5)	3270 (5)
5-49-P	100	100	27.14	27.14	59.64	0.00	160 (5)	8400 (5)	2063 (5)
5-50-P	100	100	27.14	27.14	43.71	0.00	129 (5)	6772 (5)	3242 (5)
5-51-P	100	100	27.14	27.14	6.34	-15.34	197 (8)	6424 (8)	10366 (8)
5-52-P	100	100	27.14	27.14	5.05	-26.66	288 (8)	4774 (8)	15134 (8)
5-53-P	100	100	27.14	27.14	4.05	-38.21	387 (8)	4994 (8)	20335 (8)
5-54-P	100	100	27.14	27.14	5.47	-25.89	280 (8)	5175 (8)	14699 (8)
5-55-P	100	100	27.14	27.14	7.76	-14.39	185 (8)	5248 (8)	9723 (8)
5-56-P	100	100	27.14	27.14	47.76	0.00	120 (5)	6316 (5)	2488 (5)
5-57-P	100	100	27.14	27.14	65.00	0.00	201 (5)	10557 (5)	2592 (5)
5-58-P	100	100	27.14	27.14	78.95	0.00	302 (5)	15882 (5)	3900 (5)
5-59-P	100	100	27.14	27.14	79.76	0.00	308 (5)	16199 (5)	3978 (5)
5-60-P	100	100	27.14	27.14	80.58	0.00	314 (5)	16516 (5)	4056 (5)
5-61-P	100	100	27.14	27.14	68.17	0.00	228 (5)	11984 (5)	2943 (5)
5-62-P	100	100	27.14	27.14	52.46	0.00	130 (5)	6819 (5)	2165 (5)
5-63-P	100	100	27.14	27.14	11.49	-11.74	151 (8)	7769 (8)	7932 (8)
5-64-P	100	100	27.14	27.14	9.19	-21.76	235 (8)	6521 (8)	12354 (8)
5-65-P	100	100	27.14	27.14	7.63	-32.46	329 (8)	6495 (8)	17277 (8)
5-66-P	100	100	27.14	27.14	9.93	-21.00	227 (8)	7047 (8)	11921 (8)
5-67-P	100	100	27.14	27.14	13.38	-10.61	136 (8)	6782 (8)	7171 (8)
5-68-P	100	100	27.14	27.14	53.62	0.00	169 (5)	8879 (5)	2667 (5)
5-69-P	100	100	27.14	27.14	69.22	0.00	276 (5)	14531 (5)	3568 (5)
5-70-P	100	100	27.14	27.14	81.25	0.00	369 (5)	19406 (5)	4765 (5)
5-71-P	100	100	27.14	27.14	78.98	0.00	366 (5)	19237 (5)	4724 (5)
5-72-P	100	100	27.14	27.14	76.72	0.00	363 (5)	19069 (5)	4683 (5)
5-73-P	100	100	27.14	27.14	59.73	0.00	265 (5)	13941 (5)	3423 (5)
5-74-P	100	100	27.14	27.14	39.07	0.00	158 (5)	8307 (5)	3348 (5)
5-75-P	100	100	27.14	27.14	9.64	-10.47	135 (8)	4889 (8)	7075 (8)
5-76-P	100	100	27.14	27.14	5.55	-21.78	220 (8)	3938 (8)	11591 (8)
5-77-P	100	100	27.14	27.14	2.69	-34.26	308 (8)	3980 (8)	16209 (8)
5-78-P	100	100	27.14	27.14	1.40	-27.45	247 (8)	3189 (8)	12988 (8)
5-79-P	100	100	27.14	27.14	0.55	-21.02	162 (8)	2093 (8)	8523 (8)
5-80-P	100	100	27.14	27.14	0.33	-14.33	111 (8)	1427 (8)	5810 (8)
5-81-P	100	100	27.14	27.14	1.79	-8.17	59 (5)	763 (5)	3107 (5)
6-1-P	100	100	22.62	22.62	3.49	-0.63	30 (8)	1693 (8)	1523 (8)
6-2-P	100	100	22.62	22.62	0.42	-10.48	26 (5)	489 (5)	1474 (5)
6-3-P	100	100	22.62	22.62	0.80	-20.92	87 (5)	1678 (5)	4978 (5)
6-4-P	100	100	22.62	22.62	7.10	-7.10	180 (8)	3444 (8)	10329 (8)
6-5-P	100	100	22.62	22.62	7.40	-39.85	334 (5)	9683 (5)	19145 (5)
6-6-P	100	100	22.62	22.62	22.55	-6.52	193 (8)	10940 (8)	11072 (8)
6-7-P	100	100	22.62	22.62	28.96	-3.65	245 (8)	14050 (8)	4425 (8)
6-8-P	100	100	22.62	22.62	37.67	-0.81	319 (8)	18278 (8)	4074 (8)
6-9-P	100	100	22.62	22.62	58.61	0.00	426 (5)	24385 (5)	5435 (5)
6-10-P	100	100	22.62	22.62	76.82	0.00	519 (5)	29739 (5)	6629 (5)
6-11-P	100	100	22.62	22.62	79.70	0.00	533 (5)	30508 (5)	6800 (5)
6-12-P	100	100	22.62	22.62	82.58	0.00	546 (5)	31276 (5)	6971 (5)
6-13-P	100	100	22.62	22.62	70.62	0.00	486 (5)	27833 (5)	6204 (5)
6-14-P	100	100	22.62	22.62	54.96	0.00	408 (5)	23338 (5)	5202 (5)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
6-15-P	100	100	22.62	22.62	41.76	0.00	354 (8)	20261 (8)	4516 (8)
6-16-P	100	100	22.62	22.62	39.31	-0.04	333 (8)	19074 (8)	4251 (8)
6-17-P	100	100	22.62	22.62	41.74	-4.87	354 (8)	20251 (8)	12400 (8)
6-18-P	100	100	22.62	22.62	40.47	-1.65	343 (8)	19635 (8)	5590 (8)
6-19-P	100	100	22.62	22.62	41.80	-0.72	350 (5)	20045 (5)	4468 (5)
6-20-P	100	100	22.62	22.62	57.47	0.00	398 (5)	22820 (5)	5086 (5)
6-21-P	100	100	22.62	22.62	74.40	0.00	477 (5)	27313 (5)	6088 (5)
6-22-P	100	100	22.62	22.62	87.82	0.00	538 (5)	30839 (5)	6874 (5)
6-23-P	100	100	22.62	22.62	87.23	0.00	532 (5)	30495 (5)	6797 (5)
6-24-P	100	100	22.62	22.62	86.65	0.00	526 (5)	30151 (5)	6720 (5)
6-25-P	100	100	22.62	22.62	72.16	0.00	453 (5)	25969 (5)	5788 (5)
6-26-P	100	100	22.62	22.62	54.20	0.00	364 (5)	20827 (5)	4642 (5)
6-27-P	100	100	22.62	22.62	36.92	0.00	301 (5)	17240 (5)	3843 (5)
6-28-P	100	100	22.62	22.62	32.95	-0.54	279 (8)	15985 (8)	3563 (8)
6-29-P	100	100	22.62	22.62	35.09	-5.72	297 (8)	17028 (8)	14561 (8)
6-30-P	100	100	22.62	22.62	32.76	-1.58	278 (8)	15895 (8)	5378 (8)
6-31-P	100	100	22.62	22.62	34.32	0.00	280 (5)	16045 (5)	3576 (5)
6-32-P	100	100	22.62	22.62	50.36	0.00	333 (5)	19052 (5)	4247 (5)
6-33-P	100	100	22.62	22.62	67.13	0.00	413 (5)	23624 (5)	5266 (5)
6-34-P	100	100	22.62	22.62	80.47	0.00	476 (5)	27250 (5)	6074 (5)
6-35-P	100	100	22.62	22.62	80.08	0.00	473 (5)	27086 (5)	6037 (5)
6-36-P	100	100	22.62	22.62	79.70	0.00	470 (5)	26922 (5)	6001 (5)
6-37-P	100	100	22.62	22.62	65.60	0.00	401 (5)	22973 (5)	5121 (5)
6-38-P	100	100	22.62	22.62	48.08	0.00	316 (5)	18077 (5)	4029 (5)
6-39-P	100	100	22.62	22.62	31.31	0.00	258 (5)	14752 (5)	3288 (5)
6-40-P	100	100	22.62	22.62	29.29	-1.41	248 (8)	14209 (8)	4803 (8)
6-41-P	100	100	22.62	22.62	31.92	-6.49	270 (8)	15487 (8)	13217 (8)
6-42-P	100	100	22.62	22.62	29.29	-1.41	248 (8)	14209 (8)	4803 (8)
6-43-P	100	100	22.62	22.62	31.31	0.00	258 (5)	14752 (5)	3288 (5)
6-44-P	100	100	22.62	22.62	48.08	0.00	316 (5)	18077 (5)	4029 (5)
6-45-P	100	100	22.62	22.62	65.60	0.00	401 (5)	22973 (5)	5121 (5)
6-46-P	100	100	22.62	22.62	79.70	0.00	470 (5)	26922 (5)	6001 (5)
6-47-P	100	100	22.62	22.62	80.08	0.00	473 (5)	27086 (5)	6037 (5)
6-48-P	100	100	22.62	22.62	80.47	0.00	476 (5)	27250 (5)	6074 (5)
6-49-P	100	100	22.62	22.62	67.13	0.00	413 (5)	23624 (5)	5266 (5)
6-50-P	100	100	22.62	22.62	50.36	0.00	333 (5)	19052 (5)	4247 (5)
6-51-P	100	100	22.62	22.62	34.32	0.00	280 (5)	16045 (5)	3576 (5)
6-52-P	100	100	22.62	22.62	32.76	-1.58	278 (8)	15895 (8)	5378 (8)
6-53-P	100	100	22.62	22.62	35.09	-5.72	297 (8)	17028 (8)	14561 (8)
6-54-P	100	100	22.62	22.62	32.95	-0.54	279 (8)	15985 (8)	3563 (8)
6-55-P	100	100	22.62	22.62	36.92	0.00	301 (5)	17240 (5)	3843 (5)
6-56-P	100	100	22.62	22.62	54.20	0.00	364 (5)	20827 (5)	4642 (5)
6-57-P	100	100	22.62	22.62	72.16	0.00	453 (5)	25969 (5)	5788 (5)
6-58-P	100	100	22.62	22.62	86.65	0.00	526 (5)	30151 (5)	6720 (5)
6-59-P	100	100	22.62	22.62	87.23	0.00	532 (5)	30495 (5)	6797 (5)
6-60-P	100	100	22.62	22.62	87.82	0.00	538 (5)	30839 (5)	6874 (5)
6-61-P	100	100	22.62	22.62	74.40	0.00	477 (5)	27313 (5)	6088 (5)
6-62-P	100	100	22.62	22.62	57.47	0.00	398 (5)	22820 (5)	5086 (5)
6-63-P	100	100	22.62	22.62	41.80	-0.72	350 (5)	20045 (5)	4468 (5)
6-64-P	100	100	22.62	22.62	40.47	-1.65	343 (8)	19635 (8)	5590 (8)
6-65-P	100	100	22.62	22.62	41.74	-4.87	354 (8)	20251 (8)	12400 (8)
6-66-P	100	100	22.62	22.62	39.31	-0.04	333 (8)	19074 (8)	4251 (8)
6-67-P	100	100	22.62	22.62	41.76	0.00	354 (8)	20261 (8)	4516 (8)
6-68-P	100	100	22.62	22.62	54.96	0.00	408 (5)	23338 (5)	5202 (5)
6-69-P	100	100	22.62	22.62	70.62	0.00	486 (5)	27833 (5)	6204 (5)
6-70-P	100	100	22.62	22.62	82.58	0.00	546 (5)	31276 (5)	6971 (5)
6-71-P	100	100	22.62	22.62	79.70	0.00	533 (5)	30508 (5)	6800 (5)
6-72-P	100	100	22.62	22.62	76.82	0.00	519 (5)	29739 (5)	6629 (5)
6-73-P	100	100	22.62	22.62	58.61	0.00	426 (5)	24385 (5)	5435 (5)
6-74-P	100	100	22.62	22.62	37.67	-0.81	319 (8)	18278 (8)	4074 (8)
6-75-P	100	100	22.62	22.62	28.96	-3.65	245 (8)	14050 (8)	4425 (8)
6-76-P	100	100	22.62	22.62	22.55	-6.52	193 (8)	10940 (8)	11072 (8)
6-77-P	100	100	22.62	22.62	7.40	-39.85	334 (5)	9683 (5)	19145 (5)
6-78-P	100	100	22.62	22.62	7.10	-7.10	180 (8)	3444 (8)	10329 (8)
6-79-P	100	100	22.62	22.62	0.80	-20.92	87 (5)	1678 (5)	4978 (5)
6-80-P	100	100	22.62	22.62	0.42	-10.48	26 (5)	489 (5)	1474 (5)
6-81-P	100	100	22.62	22.62	3.49	-0.63	30 (8)	1693 (8)	1523 (8)
7-1-P	100	100	22.62	22.62	2.47	-8.21	116 (8)	1479 (8)	6637 (8)
7-2-P	100	100	22.62	22.62	0.51	-18.30	104 (5)	1586 (5)	5971 (5)
7-3-P	100	100	22.62	22.62	11.78	-24.09	204 (8)	5718 (8)	11689 (8)
7-4-P	100	100	22.62	22.62	0.00	-96.77	525 (5)	6699 (5)	30052 (5)
7-5-P	100	100	22.62	22.62	0.00	-162.56	937 (5)	11966 (5)	53683 (5)
7-6-P	100	100	22.62	22.62	0.09	-89.53	489 (5)	6247 (5)	28027 (5)
7-7-P	100	100	22.62	22.62	29.97	-28.60	254 (8)	14544 (8)	13877 (8)
7-8-P	100	100	22.62	22.62	42.41	-8.79	359 (8)	20578 (8)	4587 (8)
7-9-P	100	100	22.62	22.62	54.60	-0.24	424 (5)	24290 (5)	5414 (5)
7-10-P	100	100	22.62	22.62	75.71	0.00	539 (5)	30868 (5)	6881 (5)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
7-11-P	100	100	22.62	22.62	78.86	0.00	558 (5)	31953 (5)	7122 (5)
7-12-P	100	100	22.62	22.62	82.01	0.00	577 (5)	33037 (5)	7364 (5)
7-13-P	100	100	22.62	22.62	66.80	0.00	498 (5)	28543 (5)	6362 (5)
7-14-P	100	100	22.62	22.62	47.01	0.00	396 (5)	22654 (5)	5050 (5)
7-15-P	100	100	22.62	22.62	19.41	-0.29	164 (8)	9418 (8)	2099 (8)
7-16-P	100	100	22.62	22.62	0.00	-58.00	269 (5)	3432 (5)	15397 (5)
7-17-P	100	100	22.62	22.62	0.00	-124.52	698 (5)	8914 (5)	39991 (5)
7-18-P	100	100	22.62	22.62	5.05	-36.42	309 (8)	6438 (8)	17671 (8)
7-19-P	100	100	22.62	22.62	35.01	-15.46	297 (8)	16986 (8)	7500 (8)
7-20-P	100	100	22.62	22.62	51.85	-0.26	408 (5)	23373 (5)	5210 (5)
7-21-P	100	100	22.62	22.62	73.26	0.00	512 (5)	29318 (5)	6535 (5)
7-22-P	100	100	22.62	22.62	90.51	0.00	598 (5)	34230 (5)	7630 (5)
7-23-P	100	100	22.62	22.62	90.07	0.00	592 (5)	33920 (5)	7561 (5)
7-24-P	100	100	22.62	22.62	89.62	0.00	587 (5)	33610 (5)	7492 (5)
7-25-P	100	100	22.62	22.62	71.60	0.00	491 (5)	28122 (5)	6268 (5)
7-26-P	100	100	22.62	22.62	49.19	0.00	373 (5)	21339 (5)	4756 (5)
7-27-P	100	100	22.62	22.62	20.20	-5.31	171 (8)	9802 (8)	2849 (8)
7-28-P	100	100	22.62	22.62	0.00	-59.82	318 (5)	4064 (5)	18232 (5)
7-29-P	100	100	22.62	22.62	0.00	-128.07	751 (5)	9584 (5)	42998 (5)
7-30-P	100	100	22.62	22.62	0.01	-61.11	345 (5)	4408 (5)	19778 (5)
7-31-P	100	100	22.62	22.62	26.69	-14.34	226 (8)	12949 (8)	6958 (8)
7-32-P	100	100	22.62	22.62	45.44	0.00	341 (5)	19522 (5)	4351 (5)
7-33-P	100	100	22.62	22.62	66.72	0.00	449 (5)	25714 (5)	5732 (5)
7-34-P	100	100	22.62	22.62	83.66	0.00	535 (5)	30644 (5)	6830 (5)
7-35-P	100	100	22.62	22.62	83.25	0.00	532 (5)	30466 (5)	6791 (5)
7-36-P	100	100	22.62	22.62	82.85	0.00	529 (5)	30288 (5)	6751 (5)
7-37-P	100	100	22.62	22.62	65.12	0.00	437 (5)	25009 (5)	5574 (5)
7-38-P	100	100	22.62	22.62	43.06	0.00	322 (5)	18453 (5)	4113 (5)
7-39-P	100	100	22.62	22.62	21.58	-12.11	183 (8)	10470 (8)	5874 (8)
7-40-P	100	100	22.62	22.62	0.00	-64.94	365 (5)	4659 (5)	20901 (5)
7-41-P	100	100	22.62	22.62	0.00	-132.62	786 (5)	10039 (5)	45039 (5)
7-42-P	100	100	22.62	22.62	0.00	-64.94	365 (5)	4659 (5)	20901 (5)
7-43-P	100	100	22.62	22.62	21.58	-12.11	183 (8)	10470 (8)	5874 (8)
7-44-P	100	100	22.62	22.62	43.06	0.00	322 (5)	18453 (5)	4113 (5)
7-45-P	100	100	22.62	22.62	65.12	0.00	437 (5)	25009 (5)	5574 (5)
7-46-P	100	100	22.62	22.62	82.85	0.00	529 (5)	30288 (5)	6751 (5)
7-47-P	100	100	22.62	22.62	83.25	0.00	532 (5)	30466 (5)	6791 (5)
7-48-P	100	100	22.62	22.62	83.66	0.00	535 (5)	30644 (5)	6830 (5)
7-49-P	100	100	22.62	22.62	66.72	0.00	449 (5)	25714 (5)	5732 (5)
7-50-P	100	100	22.62	22.62	45.44	0.00	341 (5)	19522 (5)	4351 (5)
7-51-P	100	100	22.62	22.62	26.69	-14.34	226 (8)	12949 (8)	6958 (8)
7-52-P	100	100	22.62	22.62	0.01	-61.11	345 (5)	4408 (5)	19778 (5)
7-53-P	100	100	22.62	22.62	0.00	-128.07	751 (5)	9584 (5)	42998 (5)
7-54-P	100	100	22.62	22.62	0.00	-59.82	318 (5)	4064 (5)	18232 (5)
7-55-P	100	100	22.62	22.62	20.20	-5.31	171 (8)	9802 (8)	2849 (8)
7-56-P	100	100	22.62	22.62	49.19	0.00	373 (5)	21339 (5)	4756 (5)
7-57-P	100	100	22.62	22.62	71.60	0.00	491 (5)	28122 (5)	6268 (5)
7-58-P	100	100	22.62	22.62	89.62	0.00	587 (5)	33610 (5)	7492 (5)
7-59-P	100	100	22.62	22.62	90.07	0.00	592 (5)	33920 (5)	7561 (5)
7-60-P	100	100	22.62	22.62	90.51	0.00	598 (5)	34230 (5)	7630 (5)
7-61-P	100	100	22.62	22.62	73.26	0.00	512 (5)	29318 (5)	6535 (5)
7-62-P	100	100	22.62	22.62	51.85	-0.26	408 (5)	23373 (5)	5210 (5)
7-63-P	100	100	22.62	22.62	35.01	-15.46	297 (8)	16986 (8)	7500 (8)
7-64-P	100	100	22.62	22.62	5.05	-36.42	309 (8)	6438 (8)	17671 (8)
7-65-P	100	100	22.62	22.62	0.00	-124.52	698 (5)	8914 (5)	39991 (5)
7-66-P	100	100	22.62	22.62	0.00	-58.00	269 (5)	3432 (5)	15397 (5)
7-67-P	100	100	22.62	22.62	19.41	-0.29	164 (8)	9418 (8)	2099 (8)
7-68-P	100	100	22.62	22.62	47.01	0.00	396 (5)	22654 (5)	5050 (5)
7-69-P	100	100	22.62	22.62	66.80	0.00	498 (5)	28543 (5)	6362 (5)
7-70-P	100	100	22.62	22.62	82.01	0.00	577 (5)	33037 (5)	7364 (5)
7-71-P	100	100	22.62	22.62	78.86	0.00	558 (5)	31953 (5)	7122 (5)
7-72-P	100	100	22.62	22.62	75.71	0.00	539 (5)	30868 (5)	6881 (5)
7-73-P	100	100	22.62	22.62	54.60	-0.24	424 (5)	24290 (5)	5414 (5)
7-74-P	100	100	22.62	22.62	42.41	-8.79	359 (8)	20578 (8)	4587 (8)
7-75-P	100	100	22.62	22.62	29.97	-28.60	254 (8)	14544 (8)	13877 (8)
7-76-P	100	100	22.62	22.62	0.09	-89.53	489 (5)	6247 (5)	28027 (5)
7-77-P	100	100	22.62	22.62	0.00	-162.56	937 (5)	11966 (5)	53683 (5)
7-78-P	100	100	22.62	22.62	0.00	-96.77	525 (5)	6699 (5)	30052 (5)
7-79-P	100	100	22.62	22.62	11.78	-24.09	204 (8)	5718 (8)	11689 (8)
7-80-P	100	100	22.62	22.62	0.51	-18.30	104 (5)	1586 (5)	5971 (5)
7-81-P	100	100	22.62	22.62	2.47	-8.21	116 (8)	1479 (8)	6637 (8)
8-1-S	100	100	22.62	27.14	8.75	-12.07	180 (8)	10591 (8)	4910 (8)
8-2-S	100	100	22.62	27.14	13.62	-19.27	280 (8)	16478 (8)	7839 (8)
8-3-S	100	100	22.62	27.14	19.89	-25.44	264 (8)	15545 (8)	10347 (8)
8-4-S	100	100	22.62	27.14	0.05	-127.82	1014 (8)	13137 (8)	51985 (8)
8-5-S	100	100	22.62	27.14	0.97	-201.85	1602 (8)	20745 (8)	82092 (8)
8-6-S	100	100	22.62	27.14	0.00	-81.97	651 (8)	8425 (8)	33338 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
8-7-S	100	100	22.62	27.14	247.78	0.00	491 (5)	6360 (5)	25169 (5)
8-8-S	100	100	22.62	27.14	236.17	-0.01	334 (5)	4319 (5)	17092 (5)
8-9-S	100	100	22.62	27.14	215.33	-0.01	372 (5)	19295 (5)	19056 (5)
8-10-S	100	100	22.62	27.14	28.49	-57.61	492 (8)	28950 (8)	23430 (8)
8-11-S	100	100	22.62	27.14	0.01	-100.35	796 (8)	10313 (8)	40810 (8)
8-12-S	100	100	22.62	27.14	0.94	-172.49	1369 (8)	17728 (8)	70151 (8)
8-13-S	100	100	22.62	27.14	0.02	-135.98	1079 (8)	13975 (8)	55301 (8)
8-14-S	100	100	22.62	27.14	0.00	-100.36	796 (8)	10314 (8)	40814 (8)
8-15-S	100	100	22.62	27.14	0.00	-58.41	464 (8)	6003 (8)	23757 (8)
8-16-S	100	100	22.62	27.14	134.47	-0.42	53 (5)	3096 (5)	2623 (5)
8-17-S	100	100	22.62	27.14	154.93	-0.13	457 (5)	26874 (5)	5809 (5)
8-18-S	100	100	22.62	27.14	158.25	-0.07	787 (5)	46308 (5)	10011 (5)
8-19-S	100	100	22.62	27.14	150.40	-0.08	1033 (5)	60755 (5)	13134 (5)
8-20-S	100	100	22.62	27.14	155.40	0.00	1278 (8)	75204 (8)	16257 (8)
8-21-S	100	100	22.62	27.14	120.52	-0.13	991 (8)	58325 (8)	12609 (8)
8-22-S	100	100	22.62	27.14	79.33	-1.15	653 (8)	38390 (8)	8299 (8)
8-23-S	100	100	22.62	27.14	48.77	-13.15	527 (8)	30976 (8)	6696 (8)
8-24-S	100	100	22.62	27.14	26.29	-34.63	349 (8)	20551 (8)	14085 (8)
8-25-S	100	100	22.62	27.14	17.31	-31.50	250 (8)	13961 (8)	12809 (8)
8-26-S	100	100	22.62	27.14	9.82	-9.11	135 (8)	7919 (8)	4633 (8)
9-1-S	100	100	22.62	27.14	11.51	-7.20	95 (8)	5569 (8)	2928 (8)
9-2-S	100	100	22.62	27.14	17.60	-13.89	241 (8)	14196 (8)	5649 (8)
9-3-S	100	100	22.62	27.14	24.98	-21.94	332 (8)	19530 (8)	8924 (8)
9-4-S	100	100	22.62	27.14	0.04	-146.85	1165 (8)	15092 (8)	59723 (8)
9-5-S	100	100	22.62	27.14	0.76	-237.81	1887 (8)	24440 (8)	96714 (8)
9-6-S	100	100	22.62	27.14	0.00	-146.62	1164 (8)	15069 (8)	59629 (8)
9-7-S	100	100	22.62	27.14	0.00	-109.30	867 (8)	11233 (8)	44450 (8)
9-8-S	100	100	22.62	27.14	0.48	-72.46	575 (8)	7447 (8)	29468 (8)
9-9-S	100	100	22.62	27.14	14.06	-64.83	514 (8)	11907 (8)	26364 (8)
9-10-S	100	100	22.62	27.14	35.50	-65.05	516 (8)	22547 (8)	26457 (8)
9-11-S	100	100	22.62	27.14	3.42	-100.42	797 (8)	10320 (8)	40839 (8)
9-12-S	100	100	22.62	27.14	6.81	-171.26	1359 (8)	17600 (8)	69647 (8)
9-13-S	100	100	22.62	27.14	4.61	-131.25	1042 (8)	13489 (8)	53379 (8)
9-14-S	100	100	22.62	27.14	2.43	-91.27	724 (8)	9380 (8)	37117 (8)
9-15-S	100	100	22.62	27.14	2.05	-48.67	386 (8)	5002 (8)	19792 (8)
9-16-S	100	100	22.62	27.14	139.42	-0.08	120 (5)	7071 (5)	3553 (5)
9-17-S	100	100	22.62	27.14	157.65	0.00	482 (5)	28337 (5)	6126 (5)
9-18-S	100	100	22.62	27.14	160.99	0.00	793 (5)	46630 (5)	10080 (5)
9-19-S	100	100	22.62	27.14	154.34	0.00	1025 (5)	60315 (5)	13039 (5)
9-20-S	100	100	22.62	27.14	152.92	0.00	1258 (8)	74000 (8)	15997 (8)
9-21-S	100	100	22.62	27.14	118.06	-0.74	971 (8)	57134 (8)	12351 (8)
9-22-S	100	100	22.62	27.14	80.85	-6.21	665 (8)	39128 (8)	8458 (8)
9-23-S	100	100	22.62	27.14	54.70	-22.94	562 (8)	33089 (8)	9328 (8)
9-24-S	100	100	22.62	27.14	32.00	-43.61	439 (8)	25808 (8)	22169 (8)
9-25-S	100	100	22.62	27.14	20.41	-39.86	316 (8)	16459 (8)	16209 (8)
9-26-S	100	100	22.62	27.14	13.27	-16.86	136 (8)	8025 (8)	6858 (8)
10-1-S	100	100	22.62	31.67	0.20	-8.10	61 (8)	797 (8)	2840 (8)
10-2-S	100	100	22.62	31.67	0.22	-6.08	46 (8)	598 (8)	2130 (8)
10-3-S	100	100	22.62	31.67	0.25	-4.06	38 (8)	500 (8)	1779 (8)
10-4-S	100	100	22.62	31.67	0.09	-11.37	85 (8)	1119 (8)	3984 (8)
10-5-S	100	100	22.62	31.67	0.18	-18.92	142 (8)	1862 (8)	6632 (8)
10-6-S	100	100	22.62	31.67	0.00	-225.01	1691 (8)	22143 (8)	78855 (8)
10-7-S	100	100	22.62	31.67	0.00	-183.96	1383 (8)	18104 (8)	64469 (8)
10-8-S	100	100	22.62	31.67	0.00	-142.91	1074 (8)	14064 (8)	50084 (8)
10-9-S	100	100	22.62	31.67	0.12	-121.25	911 (8)	11932 (8)	42492 (8)
10-10-S	100	100	22.62	31.67	0.93	-100.26	754 (8)	9867 (8)	35138 (8)
10-11-S	100	100	22.62	31.67	1.35	-85.61	643 (8)	8425 (8)	30002 (8)
10-12-S	100	100	22.62	31.67	2.00	-71.17	535 (8)	7004 (8)	24942 (8)
10-13-S	100	100	22.62	31.67	2.85	-50.74	381 (8)	4994 (8)	17783 (8)
10-14-S	100	100	22.62	31.67	141.85	0.00	235 (5)	3076 (5)	10953 (5)
10-15-S	100	100	22.62	31.67	141.72	0.00	91 (5)	4210 (5)	4252 (5)
10-16-S	100	100	22.62	31.67	143.12	0.00	194 (5)	11699 (5)	2454 (5)
10-17-S	100	100	22.62	31.67	144.51	0.00	415 (5)	25046 (5)	5254 (5)
10-18-S	100	100	22.62	31.67	138.56	0.00	564 (5)	34041 (5)	7140 (5)
10-19-S	100	100	22.62	31.67	127.70	0.00	665 (5)	40135 (5)	8419 (5)
10-20-S	100	100	22.62	31.67	116.85	0.00	765 (5)	46230 (5)	9697 (5)
10-21-S	100	100	22.62	31.67	95.63	0.00	687 (5)	41511 (5)	8707 (5)
10-22-S	100	100	22.62	31.67	73.72	0.00	589 (8)	35590 (8)	7465 (8)
10-23-S	100	100	22.62	31.67	59.26	0.00	474 (8)	28611 (8)	6001 (8)
10-24-S	100	100	22.62	31.67	36.04	0.00	288 (8)	17399 (8)	3650 (8)
10-25-S	100	100	22.62	31.67	19.82	0.00	158 (8)	9568 (8)	2007 (8)
10-26-S	100	100	22.62	31.67	8.27	0.00	66 (8)	3991 (8)	837 (8)
11-1-S	100	100	22.62	31.67	11.04	-7.23	88 (8)	5331 (8)	2533 (8)
11-2-S	100	100	22.62	31.67	15.49	-13.50	206 (8)	12460 (8)	4731 (8)
11-3-S	100	100	22.62	31.67	21.15	-21.06	254 (8)	15316 (8)	7381 (8)
11-4-S	100	100	22.62	31.67	0.04	-139.04	1045 (8)	13683 (8)	48727 (8)
11-5-S	100	100	22.62	31.67	0.72	-220.44	1657 (8)	21693 (8)	77253 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
11-6-S	100	100	22.62	31.67	0.00	-224.86	1690 (8)	22128 (8)	78803 (8)
11-7-S	100	100	22.62	31.67	0.00	-175.74	1321 (8)	17295 (8)	61589 (8)
11-8-S	100	100	22.62	31.67	0.00	-126.63	952 (8)	12461 (8)	44376 (8)
11-9-S	100	100	22.62	31.67	0.51	-96.01	722 (8)	9449 (8)	33648 (8)
11-10-S	100	100	22.62	31.67	16.63	-81.00	609 (8)	28095 (8)	28386 (8)
11-11-S	100	100	22.62	31.67	0.02	-121.64	914 (8)	11970 (8)	42628 (8)
11-12-S	100	100	22.62	31.67	0.91	-179.77	1351 (8)	17692 (8)	63002 (8)
11-13-S	100	100	22.62	31.67	0.13	-136.89	1029 (8)	13472 (8)	47975 (8)
11-14-S	100	100	22.62	31.67	0.25	-94.91	713 (8)	9340 (8)	33262 (8)
11-15-S	100	100	22.62	31.67	2.25	-51.31	386 (8)	5049 (8)	17980 (8)
11-16-S	100	100	22.62	31.67	138.67	0.00	112 (5)	6777 (5)	3265 (5)
11-17-S	100	100	22.62	31.67	158.95	0.00	468 (5)	28252 (5)	5926 (5)
11-18-S	100	100	22.62	31.67	163.12	0.00	773 (5)	46683 (5)	9792 (5)
11-19-S	100	100	22.62	31.67	156.56	0.00	995 (5)	60084 (5)	12603 (5)
11-20-S	100	100	22.62	31.67	152.21	0.00	1217 (8)	73485 (8)	15414 (8)
11-21-S	100	100	22.62	31.67	117.33	0.00	938 (8)	56645 (8)	11882 (8)
11-22-S	100	100	22.62	31.67	75.64	-0.15	605 (8)	36517 (8)	7660 (8)
11-23-S	100	100	22.62	31.67	43.87	-10.49	438 (8)	26477 (8)	9188 (8)
11-24-S	100	100	22.62	31.67	27.08	-36.59	688 (8)	21786 (8)	32060 (8)
11-25-S	100	100	22.62	31.67	15.91	-33.84	424 (8)	12799 (8)	19765 (8)
11-26-S	100	100	22.62	31.67	7.37	-10.72	134 (8)	5926 (8)	6262 (8)
12-1-S	100	100	22.62	31.67	11.10	-7.37	89 (8)	5357 (8)	2581 (8)
12-2-S	100	100	22.62	31.67	15.52	-13.50	207 (8)	12489 (8)	4732 (8)
12-3-S	100	100	22.62	31.67	21.20	-20.96	254 (8)	15351 (8)	7344 (8)
12-4-S	100	100	22.62	31.67	0.04	-138.73	1043 (8)	13653 (8)	48620 (8)
12-5-S	100	100	22.62	31.67	0.73	-220.00	1653 (8)	21650 (8)	77099 (8)
12-6-S	100	100	22.62	31.67	0.00	-247.13	1857 (8)	24320 (8)	86608 (8)
12-7-S	100	100	22.62	31.67	0.00	-196.10	1474 (8)	19299 (8)	68725 (8)
12-8-S	100	100	22.62	31.67	0.00	-145.08	1090 (8)	14277 (8)	50842 (8)
12-9-S	100	100	22.62	31.67	0.52	-112.34	844 (8)	11055 (8)	39370 (8)
12-10-S	100	100	22.62	31.67	16.62	-95.20	715 (8)	28090 (8)	33361 (8)
12-11-S	100	100	22.62	31.67	0.41	-134.24	1009 (8)	13210 (8)	47044 (8)
12-12-S	100	100	22.62	31.67	3.03	-192.11	1444 (8)	18906 (8)	67325 (8)
12-13-S	100	100	22.62	31.67	1.72	-147.08	1105 (8)	14474 (8)	51544 (8)
12-14-S	100	100	22.62	31.67	0.53	-102.17	768 (8)	10054 (8)	35805 (8)
12-15-S	100	100	22.62	31.67	0.38	-54.94	413 (8)	5406 (8)	19253 (8)
12-16-S	100	100	22.62	31.67	134.40	0.00	84 (5)	4498 (5)	3928 (5)
12-17-S	100	100	22.62	31.67	155.96	0.00	442 (5)	26684 (5)	5597 (5)
12-18-S	100	100	22.62	31.67	161.05	0.00	754 (5)	45524 (5)	9549 (5)
12-19-S	100	100	22.62	31.67	155.17	0.00	981 (5)	59244 (5)	12427 (5)
12-20-S	100	100	22.62	31.67	151.14	0.00	1208 (8)	72965 (8)	15305 (8)
12-21-S	100	100	22.62	31.67	116.62	0.00	932 (8)	56302 (8)	11810 (8)
12-22-S	100	100	22.62	31.67	78.28	-3.16	626 (8)	37789 (8)	7927 (8)
12-23-S	100	100	22.62	31.67	51.84	-18.55	518 (8)	31284 (8)	8126 (8)
12-24-S	100	100	22.62	31.67	29.69	-39.22	491 (8)	23890 (8)	22907 (8)
12-25-S	100	100	22.62	31.67	18.30	-36.19	453 (8)	14722 (8)	21137 (8)
12-26-S	100	100	22.62	31.67	10.96	-14.24	134 (8)	6611 (8)	6237 (8)
13-1-S	100	100	22.62	31.67	0.23	-5.84	44 (8)	575 (8)	2048 (8)
13-2-S	100	100	22.62	31.67	0.17	-4.38	33 (8)	431 (8)	1534 (8)
13-3-S	100	100	22.62	31.67	0.97	-3.77	71 (8)	927 (8)	3302 (8)
13-4-S	100	100	22.62	31.67	0.13	-7.60	57 (8)	748 (8)	2664 (8)
13-5-S	100	100	22.62	31.67	0.31	-12.45	94 (8)	1225 (8)	4362 (8)
13-6-S	100	100	22.62	31.67	0.00	-294.75	2215 (8)	29007 (8)	103297 (8)
13-7-S	100	100	22.62	31.67	0.00	-247.00	1856 (8)	24307 (8)	86561 (8)
13-8-S	100	100	22.62	31.67	0.00	-199.24	1497 (8)	19607 (8)	69825 (8)
13-9-S	100	100	22.62	31.67	0.00	-170.28	1280 (8)	16757 (8)	59676 (8)
13-10-S	100	100	22.62	31.67	0.04	-141.36	1062 (8)	13911 (8)	49540 (8)
13-11-S	100	100	22.62	31.67	0.15	-119.94	901 (8)	11804 (8)	42034 (8)
13-12-S	100	100	22.62	31.67	0.34	-98.60	741 (8)	9703 (8)	34553 (8)
13-13-S	100	100	22.62	31.67	0.47	-72.49	545 (8)	7134 (8)	25404 (8)
13-14-S	100	100	22.62	31.67	0.89	-46.66	351 (8)	4592 (8)	16353 (8)
13-15-S	100	100	22.62	31.67	126.82	0.00	153 (5)	2005 (5)	7140 (5)
13-16-S	100	100	22.62	31.67	131.77	0.00	101 (5)	6082 (5)	1276 (5)
13-17-S	100	100	22.62	31.67	136.72	0.00	347 (5)	20934 (5)	4391 (5)
13-18-S	100	100	22.62	31.67	133.29	0.00	514 (5)	31026 (5)	6508 (5)
13-19-S	100	100	22.62	31.67	124.29	0.00	628 (5)	37944 (5)	7959 (5)
13-20-S	100	100	22.62	31.67	115.28	0.00	743 (5)	44862 (5)	9410 (5)
13-21-S	100	100	22.62	31.67	94.89	0.00	672 (5)	40603 (5)	8517 (5)
13-22-S	100	100	22.62	31.67	73.23	0.00	581 (5)	35101 (5)	7363 (5)
13-23-S	100	100	22.62	31.67	58.99	0.00	472 (8)	28477 (8)	5973 (8)
13-24-S	100	100	22.62	31.67	35.96	0.00	287 (8)	17361 (8)	3642 (8)
13-25-S	100	100	22.62	31.67	19.84	0.00	159 (8)	9577 (8)	2009 (8)
13-26-S	100	100	22.62	31.67	8.32	0.00	66 (8)	4015 (8)	842 (8)
14-1-S	100	100	22.62	31.67	9.99	-10.09	133 (8)	8036 (8)	3536 (8)
14-2-S	100	100	22.62	31.67	22.98	-16.89	297 (8)	17921 (8)	5920 (8)
14-3-S	100	100	22.62	31.67	36.30	-23.99	508 (8)	30665 (8)	8407 (8)
14-4-S	100	100	22.62	31.67	0.01	-93.68	704 (8)	9220 (8)	32832 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
14-5-S	100	100	22.62	31.67	2.52	-105.37	792 (8)	10369 (8)	36926 (8)
14-6-S	100	100	22.62	31.67	0.00	-273.53	2056 (8)	26918 (8)	95860 (8)
14-7-S	100	100	22.62	31.67	0.00	-220.97	1661 (8)	21746 (8)	77440 (8)
14-8-S	100	100	22.62	31.67	0.00	-168.41	1266 (8)	16573 (8)	59020 (8)
14-9-S	100	100	22.62	31.67	0.00	-133.28	1002 (8)	13116 (8)	46709 (8)
14-10-S	100	100	22.62	31.67	9.55	-107.71	809 (8)	24216 (8)	37746 (8)
14-11-S	100	100	22.62	31.67	0.00	-151.43	1138 (8)	14902 (8)	53069 (8)
14-12-S	100	100	22.62	31.67	0.92	-205.62	1545 (8)	20236 (8)	72062 (8)
14-13-S	100	100	22.62	31.67	0.15	-159.30	1197 (8)	15677 (8)	55829 (8)
14-14-S	100	100	22.62	31.67	0.01	-113.60	854 (8)	11179 (8)	39811 (8)
14-15-S	100	100	22.62	31.67	0.18	-64.94	488 (8)	6391 (8)	22759 (8)
14-16-S	100	100	22.62	31.67	124.75	0.00	92 (5)	3212 (5)	4303 (5)
14-17-S	100	100	22.62	31.67	148.27	0.00	385 (5)	23270 (5)	4881 (5)
14-18-S	100	100	22.62	31.67	154.97	0.00	708 (5)	42759 (5)	8969 (5)
14-19-S	100	100	22.62	31.67	150.44	0.00	945 (5)	57045 (5)	11966 (5)
14-20-S	100	100	22.62	31.67	147.76	0.00	1181 (8)	71335 (8)	14963 (8)
14-21-S	100	100	22.62	31.67	114.07	0.00	912 (8)	55071 (8)	11552 (8)
14-22-S	100	100	22.62	31.67	73.45	-0.10	587 (8)	35461 (8)	7438 (8)
14-23-S	100	100	22.62	31.67	44.95	-12.70	449 (8)	27129 (8)	7417 (8)
14-24-S	100	100	22.62	31.67	27.47	-37.55	470 (8)	22105 (8)	21933 (8)
14-25-S	100	100	22.62	31.67	16.54	-34.67	434 (8)	13308 (8)	20249 (8)
14-26-S	100	100	22.62	31.67	7.99	-11.32	142 (8)	6432 (8)	6610 (8)
15-1-S	100	100	22.62	31.67	14.32	-7.05	114 (8)	6913 (8)	2471 (8)
15-2-S	100	100	22.62	31.67	24.52	-14.89	274 (8)	16569 (8)	5219 (8)
15-3-S	100	100	22.62	31.67	36.53	-24.54	511 (8)	30861 (8)	8599 (8)
15-4-S	100	100	22.62	31.67	0.04	-125.38	942 (8)	12338 (8)	43938 (8)
15-5-S	100	100	22.62	31.67	1.04	-176.28	1325 (8)	17348 (8)	61778 (8)
15-6-S	100	100	22.62	31.67	0.00	-280.69	2110 (8)	27623 (8)	98370 (8)
15-7-S	100	100	22.62	31.67	0.00	-227.87	1713 (8)	22424 (8)	79857 (8)
15-8-S	100	100	22.62	31.67	0.00	-175.04	1316 (8)	17226 (8)	61343 (8)
15-9-S	100	100	22.62	31.67	0.00	-139.53	1049 (8)	13731 (8)	48898 (8)
15-10-S	100	100	22.62	31.67	9.51	-113.53	853 (8)	24107 (8)	39787 (8)
15-11-S	100	100	22.62	31.67	0.00	-156.85	1179 (8)	15435 (8)	54968 (8)
15-12-S	100	100	22.62	31.67	1.47	-211.14	1587 (8)	20779 (8)	73996 (8)
15-13-S	100	100	22.62	31.67	0.48	-164.13	1234 (8)	16153 (8)	57522 (8)
15-14-S	100	100	22.62	31.67	0.02	-117.66	884 (8)	11579 (8)	41235 (8)
15-15-S	100	100	22.62	31.67	0.00	-68.35	514 (8)	6727 (8)	23954 (8)
15-16-S	100	100	22.62	31.67	121.00	0.00	117 (5)	1531 (5)	5451 (5)
15-17-S	100	100	22.62	31.67	145.10	0.00	364 (5)	21973 (5)	4609 (5)
15-18-S	100	100	22.62	31.67	152.34	0.00	690 (5)	41663 (5)	8739 (5)
15-19-S	100	100	22.62	31.67	148.30	0.00	930 (5)	56139 (5)	11776 (5)
15-20-S	100	100	22.62	31.67	146.28	0.00	1169 (8)	70620 (8)	14813 (8)
15-21-S	100	100	22.62	31.67	112.91	0.00	903 (8)	54509 (8)	11434 (8)
15-22-S	100	100	22.62	31.67	74.17	-1.67	593 (8)	35806 (8)	7510 (8)
15-23-S	100	100	22.62	31.67	48.25	-16.55	482 (8)	29118 (8)	7252 (8)
15-24-S	100	100	22.62	31.67	28.53	-38.93	488 (8)	22958 (8)	22737 (8)
15-25-S	100	100	22.62	31.67	17.49	-35.78	448 (8)	14073 (8)	20896 (8)
15-26-S	100	100	22.62	31.67	9.55	-12.92	127 (8)	7684 (8)	5662 (8)
16-1-S	100	100	22.62	31.67	0.23	-7.48	56 (8)	736 (8)	2622 (8)
16-2-S	100	100	22.62	31.67	0.21	-5.60	42 (8)	551 (8)	1962 (8)
16-3-S	100	100	22.62	31.67	0.86	-4.39	55 (8)	720 (8)	2564 (8)
16-4-S	100	100	22.62	31.67	0.12	-8.84	66 (8)	870 (8)	3097 (8)
16-5-S	100	100	22.62	31.67	0.29	-14.19	107 (8)	1396 (8)	4973 (8)
16-6-S	100	100	22.62	31.67	0.00	-317.04	2383 (8)	31200 (8)	111109 (8)
16-7-S	100	100	22.62	31.67	0.00	-268.37	2017 (8)	26410 (8)	94050 (8)
16-8-S	100	100	22.62	31.67	0.00	-219.69	1651 (8)	21620 (8)	76992 (8)
16-9-S	100	100	22.62	31.67	0.00	-189.47	1424 (8)	18646 (8)	66401 (8)
16-10-S	100	100	22.62	31.67	0.00	-159.25	1197 (8)	15672 (8)	55811 (8)
16-11-S	100	100	22.62	31.67	0.02	-136.29	1024 (8)	13412 (8)	47762 (8)
16-12-S	100	100	22.62	31.67	0.08	-113.36	852 (8)	11156 (8)	39729 (8)
16-13-S	100	100	22.62	31.67	0.05	-85.64	644 (8)	8428 (8)	30012 (8)
16-14-S	100	100	22.62	31.67	0.05	-57.94	435 (8)	5702 (8)	20304 (8)
16-15-S	100	100	22.62	31.67	113.98	0.00	218 (5)	2851 (5)	10154 (5)
16-16-S	100	100	22.62	31.67	120.76	0.00	26 (5)	1597 (5)	335 (5)
16-17-S	100	100	22.62	31.67	127.53	0.00	283 (5)	17119 (5)	3591 (5)
16-18-S	100	100	22.62	31.67	125.70	0.00	461 (5)	27822 (5)	5836 (5)
16-19-S	100	100	22.62	31.67	118.15	0.00	585 (5)	35313 (5)	7407 (5)
16-20-S	100	100	22.62	31.67	110.60	0.00	709 (5)	42803 (5)	8978 (5)
16-21-S	100	100	22.62	31.67	91.28	0.00	646 (5)	38993 (5)	8179 (5)
16-22-S	100	100	22.62	31.67	70.65	0.00	562 (5)	33927 (5)	7116 (5)
16-23-S	100	100	22.62	31.67	57.41	0.00	459 (8)	27717 (8)	5814 (8)
16-24-S	100	100	22.62	31.67	35.08	0.00	280 (8)	16934 (8)	3552 (8)
16-25-S	100	100	22.62	31.67	19.41	0.00	155 (8)	9369 (8)	1965 (8)
16-26-S	100	100	22.62	31.67	8.18	0.00	65 (8)	3948 (8)	828 (8)
17-1-S	100	100	27.14	31.67	9.99	-10.00	125 (8)	6734 (8)	3492 (8)
17-2-S	100	100	27.14	31.67	22.96	-16.86	278 (8)	15002 (8)	5891 (8)
17-3-S	100	100	27.14	31.67	36.26	-24.02	476 (8)	25663 (8)	8392 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
17-4-S	100	100	27.14	31.67	0.01	-93.95	687 (8)	8971 (8)	32826 (8)
17-5-S	100	100	27.14	31.67	2.40	-105.73	773 (8)	10095 (8)	36940 (8)
17-6-S	100	100	27.14	31.67	0.00	-287.09	2099 (8)	27412 (8)	100307 (8)
17-7-S	100	100	27.14	31.67	0.00	-234.09	1712 (8)	22351 (8)	81790 (8)
17-8-S	100	100	27.14	31.67	0.00	-181.09	1324 (8)	17291 (8)	63272 (8)
17-9-S	100	100	27.14	31.67	0.00	-145.30	1062 (8)	13873 (8)	50766 (8)
17-10-S	100	100	27.14	31.67	7.95	-117.45	859 (8)	16875 (8)	41037 (8)
17-11-S	100	100	27.14	31.67	0.00	-161.97	1184 (8)	15465 (8)	56590 (8)
17-12-S	100	100	27.14	31.67	1.01	-215.44	1575 (8)	20570 (8)	75272 (8)
17-13-S	100	100	27.14	31.67	0.20	-168.22	1230 (8)	16062 (8)	58774 (8)
17-14-S	100	100	27.14	31.67	0.00	-121.62	889 (8)	11612 (8)	42491 (8)
17-15-S	100	100	27.14	31.67	0.01	-71.93	526 (8)	6868 (8)	25131 (8)
17-16-S	100	100	27.14	31.67	117.09	0.00	108 (5)	1414 (5)	5175 (5)
17-17-S	100	100	27.14	31.67	141.76	0.00	321 (5)	17293 (5)	4128 (5)
17-18-S	100	100	27.14	31.67	149.51	0.00	630 (5)	33949 (5)	8104 (5)
17-19-S	100	100	27.14	31.67	145.95	0.00	858 (5)	46233 (5)	11036 (5)
17-20-S	100	100	27.14	31.67	144.68	0.00	1086 (8)	58520 (8)	13970 (8)
17-21-S	100	100	27.14	31.67	111.64	0.00	838 (8)	45154 (8)	10779 (8)
17-22-S	100	100	27.14	31.67	72.22	-0.67	542 (8)	29209 (8)	6973 (8)
17-23-S	100	100	27.14	31.67	45.90	-14.84	430 (8)	23204 (8)	8643 (8)
17-24-S	100	100	27.14	31.67	27.81	-38.58	470 (8)	18750 (8)	22465 (8)
17-25-S	100	100	27.14	31.67	16.93	-35.40	431 (8)	11413 (8)	20616 (8)
17-26-S	100	100	27.14	31.67	8.85	-12.29	112 (8)	5963 (8)	5367 (8)
18-1-S	100	100	22.62	31.67	14.33	-7.06	115 (8)	6916 (8)	2475 (8)
18-2-S	100	100	22.62	31.67	24.50	-14.91	274 (8)	16559 (8)	5226 (8)
18-3-S	100	100	22.62	31.67	36.50	-24.57	511 (8)	30834 (8)	8610 (8)
18-4-S	100	100	22.62	31.67	0.04	-125.50	943 (8)	12350 (8)	43981 (8)
18-5-S	100	100	22.62	31.67	1.03	-176.48	1326 (8)	17367 (8)	61847 (8)
18-6-S	100	100	22.62	31.67	0.00	-287.09	2158 (8)	28253 (8)	100613 (8)
18-7-S	100	100	22.62	31.67	0.00	-234.09	1759 (8)	23037 (8)	82039 (8)
18-8-S	100	100	22.62	31.67	0.00	-181.09	1361 (8)	17822 (8)	63465 (8)
18-9-S	100	100	22.62	31.67	0.00	-145.30	1092 (8)	14299 (8)	50921 (8)
18-10-S	100	100	22.62	31.67	7.95	-117.45	883 (8)	20142 (8)	41162 (8)
18-11-S	100	100	22.62	31.67	0.00	-161.97	1217 (8)	15940 (8)	56763 (8)
18-12-S	100	100	22.62	31.67	1.01	-215.44	1619 (8)	21202 (8)	75502 (8)
18-13-S	100	100	22.62	31.67	0.20	-168.22	1264 (8)	16555 (8)	58953 (8)
18-14-S	100	100	22.62	31.67	0.00	-121.62	914 (8)	11968 (8)	42621 (8)
18-15-S	100	100	22.62	31.67	0.01	-71.93	541 (8)	7079 (8)	25208 (8)
18-16-S	100	100	22.62	31.67	117.09	0.00	111 (5)	1458 (5)	5191 (5)
18-17-S	100	100	22.62	31.67	141.76	0.00	342 (5)	20641 (5)	4330 (5)
18-18-S	100	100	22.62	31.67	149.51	0.00	671 (5)	40522 (5)	8500 (5)
18-19-S	100	100	22.62	31.67	145.95	0.00	914 (5)	55183 (5)	11575 (5)
18-20-S	100	100	22.62	31.67	144.68	0.00	1157 (8)	69849 (8)	14651 (8)
18-21-S	100	100	22.62	31.67	111.64	0.00	892 (8)	53895 (8)	11305 (8)
18-22-S	100	100	22.62	31.67	72.22	-0.67	577 (8)	34863 (8)	7313 (8)
18-23-S	100	100	22.62	31.67	45.90	-14.84	459 (8)	27696 (8)	8669 (8)
18-24-S	100	100	22.62	31.67	27.81	-38.58	483 (8)	22380 (8)	22533 (8)
18-25-S	100	100	22.62	31.67	16.93	-35.40	443 (8)	13622 (8)	20679 (8)
18-26-S	100	100	22.62	31.67	8.85	-12.29	118 (8)	7117 (8)	5383 (8)
19-1-S	100	100	22.62	31.67	0.23	-7.49	56 (8)	737 (8)	2624 (8)
19-2-S	100	100	22.62	31.67	0.21	-5.61	42 (8)	552 (8)	1967 (8)
19-3-S	100	100	22.62	31.67	0.86	-4.40	55 (8)	722 (8)	2572 (8)
19-4-S	100	100	22.62	31.67	0.12	-8.86	67 (8)	872 (8)	3105 (8)
19-5-S	100	100	22.62	31.67	0.29	-14.22	107 (8)	1399 (8)	4983 (8)
19-6-S	100	100	22.62	31.67	0.00	-317.04	2383 (8)	31200 (8)	111109 (8)
19-7-S	100	100	22.62	31.67	0.00	-268.37	2017 (8)	26410 (8)	94050 (8)
19-8-S	100	100	22.62	31.67	0.00	-219.69	1651 (8)	21620 (8)	76992 (8)
19-9-S	100	100	22.62	31.67	0.00	-189.47	1424 (8)	18646 (8)	66401 (8)
19-10-S	100	100	22.62	31.67	0.00	-159.25	1197 (8)	15672 (8)	55811 (8)
19-11-S	100	100	22.62	31.67	0.02	-136.29	1024 (8)	13412 (8)	47762 (8)
19-12-S	100	100	22.62	31.67	0.08	-113.36	852 (8)	11156 (8)	39729 (8)
19-13-S	100	100	22.62	31.67	0.05	-85.64	644 (8)	8428 (8)	30012 (8)
19-14-S	100	100	22.62	31.67	0.05	-57.94	435 (8)	5702 (8)	20304 (8)
19-15-S	100	100	22.62	31.67	113.98	0.00	218 (5)	2851 (5)	10154 (5)
19-16-S	100	100	22.62	31.67	120.76	0.00	26 (5)	1597 (5)	335 (5)
19-17-S	100	100	22.62	31.67	127.53	0.00	283 (5)	17119 (5)	3591 (5)
19-18-S	100	100	22.62	31.67	125.70	0.00	461 (5)	27822 (5)	5836 (5)
19-19-S	100	100	22.62	31.67	118.15	0.00	585 (5)	35313 (5)	7407 (5)
19-20-S	100	100	22.62	31.67	110.60	0.00	709 (5)	42803 (5)	8978 (5)
19-21-S	100	100	22.62	31.67	91.28	0.00	646 (5)	38993 (5)	8179 (5)
19-22-S	100	100	22.62	31.67	70.65	0.00	562 (5)	33927 (5)	7116 (5)
19-23-S	100	100	22.62	31.67	57.41	0.00	459 (8)	27717 (8)	5814 (8)
19-24-S	100	100	22.62	31.67	35.08	0.00	280 (8)	16934 (8)	3552 (8)
19-25-S	100	100	22.62	31.67	19.41	0.00	155 (8)	9369 (8)	1965 (8)
19-26-S	100	100	22.62	31.67	8.18	0.00	65 (8)	3948 (8)	828 (8)
20-1-S	100	100	22.62	31.67	9.99	-10.00	133 (8)	8037 (8)	3503 (8)
20-2-S	100	100	22.62	31.67	22.96	-16.86	296 (8)	17907 (8)	5909 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
20-3-S	100	100	22.62	31.67	36.26	-24.02	507 (8)	30631 (8)	8419 (8)
20-4-S	100	100	22.62	31.67	0.01	-93.95	706 (8)	9246 (8)	32926 (8)
20-5-S	100	100	22.62	31.67	2.40	-105.73	795 (8)	10405 (8)	37052 (8)
20-6-S	100	100	22.62	31.67	0.00	-280.69	2110 (8)	27623 (8)	98370 (8)
20-7-S	100	100	22.62	31.67	0.00	-227.87	1713 (8)	22424 (8)	79857 (8)
20-8-S	100	100	22.62	31.67	0.00	-175.04	1316 (8)	17226 (8)	61343 (8)
20-9-S	100	100	22.62	31.67	0.00	-139.53	1049 (8)	13731 (8)	48898 (8)
20-10-S	100	100	22.62	31.67	9.51	-113.53	853 (8)	24107 (8)	39787 (8)
20-11-S	100	100	22.62	31.67	0.00	-156.85	1179 (8)	15435 (8)	54968 (8)
20-12-S	100	100	22.62	31.67	1.47	-211.14	1587 (8)	20779 (8)	73996 (8)
20-13-S	100	100	22.62	31.67	0.48	-164.13	1234 (8)	16153 (8)	57522 (8)
20-14-S	100	100	22.62	31.67	0.02	-117.66	884 (8)	11579 (8)	41235 (8)
20-15-S	100	100	22.62	31.67	0.00	-68.35	514 (8)	6727 (8)	23954 (8)
20-16-S	100	100	22.62	31.67	121.00	0.00	117 (5)	1531 (5)	5451 (5)
20-17-S	100	100	22.62	31.67	145.10	0.00	364 (5)	21973 (5)	4609 (5)
20-18-S	100	100	22.62	31.67	152.34	0.00	690 (5)	41663 (5)	8739 (5)
20-19-S	100	100	22.62	31.67	148.30	0.00	930 (5)	56139 (5)	11776 (5)
20-20-S	100	100	22.62	31.67	146.28	0.00	1169 (8)	70620 (8)	14813 (8)
20-21-S	100	100	22.62	31.67	112.91	0.00	903 (8)	54509 (8)	11434 (8)
20-22-S	100	100	22.62	31.67	74.17	-1.67	593 (8)	35806 (8)	7510 (8)
20-23-S	100	100	22.62	31.67	48.25	-16.55	482 (8)	29118 (8)	7252 (8)
20-24-S	100	100	22.62	31.67	28.53	-38.93	488 (8)	22958 (8)	22737 (8)
20-25-S	100	100	22.62	31.67	17.49	-35.78	448 (8)	14073 (8)	20896 (8)
20-26-S	100	100	22.62	31.67	9.55	-12.92	127 (8)	7684 (8)	5662 (8)
21-1-S	100	100	22.62	31.67	14.32	-7.06	115 (8)	6915 (8)	2475 (8)
21-2-S	100	100	22.62	31.67	24.50	-14.91	274 (8)	16559 (8)	5226 (8)
21-3-S	100	100	22.62	31.67	36.50	-24.57	511 (8)	30834 (8)	8610 (8)
21-4-S	100	100	22.62	31.67	0.04	-125.49	943 (8)	12350 (8)	43980 (8)
21-5-S	100	100	22.62	31.67	1.03	-176.47	1326 (8)	17367 (8)	61845 (8)
21-6-S	100	100	22.62	31.67	0.00	-273.53	2056 (8)	26918 (8)	95860 (8)
21-7-S	100	100	22.62	31.67	0.00	-220.97	1661 (8)	21746 (8)	77440 (8)
21-8-S	100	100	22.62	31.67	0.00	-168.41	1266 (8)	16573 (8)	59020 (8)
21-9-S	100	100	22.62	31.67	0.00	-133.28	1002 (8)	13116 (8)	46709 (8)
21-10-S	100	100	22.62	31.67	9.55	-107.71	809 (8)	24216 (8)	37746 (8)
21-11-S	100	100	22.62	31.67	0.00	-151.43	1138 (8)	14902 (8)	53069 (8)
21-12-S	100	100	22.62	31.67	0.92	-205.62	1545 (8)	20236 (8)	72062 (8)
21-13-S	100	100	22.62	31.67	0.15	-159.30	1197 (8)	15677 (8)	55829 (8)
21-14-S	100	100	22.62	31.67	0.01	-113.60	854 (8)	11179 (8)	39811 (8)
21-15-S	100	100	22.62	31.67	0.18	-64.94	488 (8)	6391 (8)	22759 (8)
21-16-S	100	100	22.62	31.67	124.75	0.00	92 (5)	3212 (5)	4303 (5)
21-17-S	100	100	22.62	31.67	148.27	0.00	385 (5)	23270 (5)	4881 (5)
21-18-S	100	100	22.62	31.67	154.97	0.00	708 (5)	42759 (5)	8969 (5)
21-19-S	100	100	22.62	31.67	150.44	0.00	945 (5)	57045 (5)	11966 (5)
21-20-S	100	100	22.62	31.67	147.76	0.00	1181 (8)	71335 (8)	14963 (8)
21-21-S	100	100	22.62	31.67	114.07	0.00	912 (8)	55071 (8)	11552 (8)
21-22-S	100	100	22.62	31.67	73.45	-0.10	587 (8)	35461 (8)	7438 (8)
21-23-S	100	100	22.62	31.67	44.95	-12.70	449 (8)	27129 (8)	7417 (8)
21-24-S	100	100	22.62	31.67	27.47	-37.55	470 (8)	22105 (8)	21933 (8)
21-25-S	100	100	22.62	31.67	16.54	-34.67	434 (8)	13308 (8)	20249 (8)
21-26-S	100	100	22.62	31.67	7.99	-11.32	142 (8)	6432 (8)	6610 (8)
22-1-S	100	100	22.62	31.67	0.23	-7.49	56 (8)	738 (8)	2626 (8)
22-2-S	100	100	22.62	31.67	0.21	-5.62	42 (8)	553 (8)	1971 (8)
22-3-S	100	100	22.62	31.67	0.85	-4.41	55 (8)	724 (8)	2577 (8)
22-4-S	100	100	22.62	31.67	0.12	-8.87	67 (8)	873 (8)	3110 (8)
22-5-S	100	100	22.62	31.67	0.28	-14.23	107 (8)	1400 (8)	4986 (8)
22-6-S	100	100	22.62	31.67	0.00	-294.75	2215 (8)	29007 (8)	103297 (8)
22-7-S	100	100	22.62	31.67	0.00	-247.00	1856 (8)	24307 (8)	86561 (8)
22-8-S	100	100	22.62	31.67	0.00	-199.24	1497 (8)	19607 (8)	69825 (8)
22-9-S	100	100	22.62	31.67	0.00	-170.28	1280 (8)	16757 (8)	59676 (8)
22-10-S	100	100	22.62	31.67	0.04	-141.36	1062 (8)	13911 (8)	49540 (8)
22-11-S	100	100	22.62	31.67	0.15	-119.94	901 (8)	11804 (8)	42034 (8)
22-12-S	100	100	22.62	31.67	0.34	-98.60	741 (8)	9703 (8)	34553 (8)
22-13-S	100	100	22.62	31.67	0.47	-72.49	545 (8)	7134 (8)	25404 (8)
22-14-S	100	100	22.62	31.67	0.89	-46.66	351 (8)	4592 (8)	16353 (8)
22-15-S	100	100	22.62	31.67	126.82	0.00	153 (5)	2005 (5)	7140 (5)
22-16-S	100	100	22.62	31.67	131.77	0.00	101 (5)	6082 (5)	1276 (5)
22-17-S	100	100	22.62	31.67	136.72	0.00	347 (5)	20934 (5)	4391 (5)
22-18-S	100	100	22.62	31.67	133.29	0.00	514 (5)	31026 (5)	6508 (5)
22-19-S	100	100	22.62	31.67	124.29	0.00	628 (5)	37944 (5)	7959 (5)
22-20-S	100	100	22.62	31.67	115.28	0.00	743 (5)	44862 (5)	9410 (5)
22-21-S	100	100	22.62	31.67	94.89	0.00	672 (5)	40603 (5)	8517 (5)
22-22-S	100	100	22.62	31.67	73.23	0.00	581 (5)	35101 (5)	7363 (5)
22-23-S	100	100	22.62	31.67	58.99	0.00	472 (8)	28477 (8)	5973 (8)
22-24-S	100	100	22.62	31.67	35.96	0.00	287 (8)	17361 (8)	3642 (8)
22-25-S	100	100	22.62	31.67	19.84	0.00	159 (8)	9577 (8)	2009 (8)
22-26-S	100	100	22.62	31.67	8.32	0.00	66 (8)	4015 (8)	842 (8)
23-1-S	100	100	22.62	31.67	9.99	-10.01	133 (8)	8041 (8)	3509 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
23-2-S	100	100	22.62	31.67	22.94	-16.89	296 (8)	17892 (8)	5919 (8)
23-3-S	100	100	22.62	31.67	36.22	-24.06	507 (8)	30597 (8)	8432 (8)
23-4-S	100	100	22.62	31.67	0.01	-94.08	707 (8)	9259 (8)	32971 (8)
23-5-S	100	100	22.62	31.67	2.37	-105.88	796 (8)	10420 (8)	37107 (8)
23-6-S	100	100	22.62	31.67	0.00	-247.13	1857 (8)	24320 (8)	86608 (8)
23-7-S	100	100	22.62	31.67	0.00	-196.10	1474 (8)	19299 (8)	68725 (8)
23-8-S	100	100	22.62	31.67	0.00	-145.08	1090 (8)	14277 (8)	50842 (8)
23-9-S	100	100	22.62	31.67	0.52	-112.34	844 (8)	11055 (8)	39370 (8)
23-10-S	100	100	22.62	31.67	16.62	-95.20	715 (8)	28090 (8)	33361 (8)
23-11-S	100	100	22.62	31.67	0.41	-134.24	1009 (8)	13210 (8)	47044 (8)
23-12-S	100	100	22.62	31.67	3.03	-192.11	1444 (8)	18906 (8)	67325 (8)
23-13-S	100	100	22.62	31.67	1.72	-147.08	1105 (8)	14474 (8)	51544 (8)
23-14-S	100	100	22.62	31.67	0.53	-102.17	768 (8)	10054 (8)	35805 (8)
23-15-S	100	100	22.62	31.67	0.38	-54.94	413 (8)	5406 (8)	19253 (8)
23-16-S	100	100	22.62	31.67	134.40	0.00	84 (5)	4498 (5)	3928 (5)
23-17-S	100	100	22.62	31.67	155.96	0.00	442 (5)	26684 (5)	5597 (5)
23-18-S	100	100	22.62	31.67	161.05	0.00	754 (5)	45524 (5)	9549 (5)
23-19-S	100	100	22.62	31.67	155.17	0.00	981 (5)	59244 (5)	12427 (5)
23-20-S	100	100	22.62	31.67	151.14	0.00	1208 (8)	72965 (8)	15305 (8)
23-21-S	100	100	22.62	31.67	116.62	0.00	932 (8)	56302 (8)	11810 (8)
23-22-S	100	100	22.62	31.67	78.28	-3.16	626 (8)	37789 (8)	7927 (8)
23-23-S	100	100	22.62	31.67	51.84	-18.55	518 (8)	31284 (8)	8126 (8)
23-24-S	100	100	22.62	31.67	29.69	-39.22	491 (8)	23890 (8)	22907 (8)
23-25-S	100	100	22.62	31.67	18.30	-36.19	453 (8)	14722 (8)	21137 (8)
23-26-S	100	100	22.62	31.67	10.96	-14.24	134 (8)	6611 (8)	6237 (8)
24-1-S	100	100	22.62	31.67	14.27	-6.94	114 (8)	6890 (8)	2431 (8)
24-2-S	100	100	22.62	31.67	24.44	-14.93	273 (8)	16516 (8)	5231 (8)
24-3-S	100	100	22.62	31.67	36.42	-24.71	509 (8)	30766 (8)	8660 (8)
24-4-S	100	100	22.62	31.67	0.03	-125.94	947 (8)	12393 (8)	44135 (8)
24-5-S	100	100	22.62	31.67	1.01	-177.13	1331 (8)	17432 (8)	62077 (8)
24-6-S	100	100	22.62	31.67	0.00	-224.86	1690 (8)	22128 (8)	78803 (8)
24-7-S	100	100	22.62	31.67	0.00	-175.74	1321 (8)	17295 (8)	61589 (8)
24-8-S	100	100	22.62	31.67	0.00	-126.63	952 (8)	12461 (8)	44376 (8)
24-9-S	100	100	22.62	31.67	0.51	-96.01	722 (8)	9449 (8)	33648 (8)
24-10-S	100	100	22.62	31.67	16.63	-81.00	609 (8)	28095 (8)	28386 (8)
24-11-S	100	100	22.62	31.67	0.02	-121.64	914 (8)	11970 (8)	42628 (8)
24-12-S	100	100	22.62	31.67	0.91	-179.77	1351 (8)	17692 (8)	63002 (8)
24-13-S	100	100	22.62	31.67	0.13	-136.89	1029 (8)	13472 (8)	47975 (8)
24-14-S	100	100	22.62	31.67	0.25	-94.91	713 (8)	9340 (8)	33262 (8)
24-15-S	100	100	22.62	31.67	2.25	-51.31	386 (8)	5049 (8)	17980 (8)
24-16-S	100	100	22.62	31.67	138.67	0.00	112 (5)	6777 (5)	3265 (5)
24-17-S	100	100	22.62	31.67	158.95	0.00	468 (5)	28252 (5)	5926 (5)
24-18-S	100	100	22.62	31.67	163.12	0.00	773 (5)	46683 (5)	9792 (5)
24-19-S	100	100	22.62	31.67	156.56	0.00	995 (5)	60084 (5)	12603 (5)
24-20-S	100	100	22.62	31.67	152.21	0.00	1217 (8)	73485 (8)	15414 (8)
24-21-S	100	100	22.62	31.67	117.33	0.00	938 (8)	56645 (8)	11882 (8)
24-22-S	100	100	22.62	31.67	75.64	-0.15	605 (8)	36517 (8)	7660 (8)
24-23-S	100	100	22.62	31.67	43.87	-10.49	438 (8)	26477 (8)	9188 (8)
24-24-S	100	100	22.62	31.67	27.08	-36.59	688 (8)	21786 (8)	32060 (8)
24-25-S	100	100	22.62	31.67	15.91	-33.84	424 (8)	12799 (8)	19765 (8)
24-26-S	100	100	22.62	31.67	7.37	-10.72	134 (8)	5926 (8)	6262 (8)
25-1-S	100	100	22.62	31.67	0.21	-9.76	73 (8)	960 (8)	3420 (8)
25-2-S	100	100	22.62	31.67	0.25	-7.32	55 (8)	720 (8)	2565 (8)
25-3-S	100	100	22.62	31.67	1.45	-2.02	37 (5)	481 (5)	1712 (5)
25-4-S	100	100	22.62	31.67	0.09	-12.65	95 (8)	1245 (8)	4435 (8)
25-5-S	100	100	22.62	31.67	0.19	-20.75	156 (8)	2042 (8)	7271 (8)
25-6-S	100	100	22.62	31.67	0.00	-225.01	1691 (8)	22143 (8)	78855 (8)
25-7-S	100	100	22.62	31.67	0.00	-183.96	1383 (8)	18104 (8)	64469 (8)
25-8-S	100	100	22.62	31.67	0.00	-142.91	1074 (8)	14064 (8)	50084 (8)
25-9-S	100	100	22.62	31.67	0.12	-121.25	911 (8)	11932 (8)	42492 (8)
25-10-S	100	100	22.62	31.67	0.93	-100.26	754 (8)	9867 (8)	35138 (8)
25-11-S	100	100	22.62	31.67	1.35	-85.61	643 (8)	8425 (8)	30002 (8)
25-12-S	100	100	22.62	31.67	2.00	-71.17	535 (8)	7004 (8)	24942 (8)
25-13-S	100	100	22.62	31.67	2.85	-50.74	381 (8)	4994 (8)	17783 (8)
25-14-S	100	100	22.62	31.67	141.85	0.00	235 (5)	3076 (5)	10953 (5)
25-15-S	100	100	22.62	31.67	141.72	0.00	91 (5)	4210 (5)	4252 (5)
25-16-S	100	100	22.62	31.67	143.12	0.00	194 (5)	11699 (5)	2454 (5)
25-17-S	100	100	22.62	31.67	144.51	0.00	415 (5)	25046 (5)	5254 (5)
25-18-S	100	100	22.62	31.67	138.56	0.00	564 (5)	34041 (5)	7140 (5)
25-19-S	100	100	22.62	31.67	127.70	0.00	665 (5)	40135 (5)	8419 (5)
25-20-S	100	100	22.62	31.67	116.85	0.00	765 (5)	46230 (5)	9697 (5)
25-21-S	100	100	22.62	31.67	95.63	0.00	687 (5)	41511 (5)	8707 (5)
25-22-S	100	100	22.62	31.67	73.72	0.00	589 (8)	35590 (8)	7465 (8)
25-23-S	100	100	22.62	31.67	59.26	0.00	474 (8)	28611 (8)	6001 (8)
25-24-S	100	100	22.62	31.67	36.04	0.00	288 (8)	17399 (8)	3650 (8)
25-25-S	100	100	22.62	31.67	19.82	0.00	158 (8)	9568 (8)	2007 (8)
25-26-S	100	100	22.62	31.67	8.27	0.00	66 (8)	3991 (8)	837 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
26-1-S	100	100	22.62	27.14	11.54	-7.14	95 (8)	5584 (8)	2903 (8)
26-2-S	100	100	22.62	27.14	17.59	-13.87	241 (8)	14183 (8)	5642 (8)
26-3-S	100	100	22.62	27.14	24.94	-21.99	331 (8)	19499 (8)	8945 (8)
26-4-S	100	100	22.62	27.14	0.04	-147.12	1167 (8)	15120 (8)	59832 (8)
26-5-S	100	100	22.62	27.14	0.74	-238.24	1891 (8)	24485 (8)	96891 (8)
26-6-S	100	100	22.62	27.14	0.00	-146.62	1164 (8)	15069 (8)	59629 (8)
26-7-S	100	100	22.62	27.14	0.00	-109.30	867 (8)	11233 (8)	44450 (8)
26-8-S	100	100	22.62	27.14	0.48	-72.46	575 (8)	7447 (8)	29468 (8)
26-9-S	100	100	22.62	27.14	14.06	-64.83	514 (8)	11907 (8)	26364 (8)
26-10-S	100	100	22.62	27.14	35.50	-65.05	516 (8)	22547 (8)	26457 (8)
26-11-S	100	100	22.62	27.14	3.42	-100.42	797 (8)	10320 (8)	40839 (8)
26-12-S	100	100	22.62	27.14	6.81	-171.26	1359 (8)	17600 (8)	69647 (8)
26-13-S	100	100	22.62	27.14	4.61	-131.25	1042 (8)	13489 (8)	53379 (8)
26-14-S	100	100	22.62	27.14	2.43	-91.27	724 (8)	9380 (8)	37117 (8)
26-15-S	100	100	22.62	27.14	2.05	-48.67	386 (8)	5002 (8)	19792 (8)
26-16-S	100	100	22.62	27.14	139.42	-0.08	120 (5)	7071 (5)	3553 (5)
26-17-S	100	100	22.62	27.14	157.65	0.00	482 (5)	28337 (5)	6126 (5)
26-18-S	100	100	22.62	27.14	160.99	0.00	793 (5)	46630 (5)	10080 (5)
26-19-S	100	100	22.62	27.14	154.34	0.00	1025 (5)	60315 (5)	13039 (5)
26-20-S	100	100	22.62	27.14	152.92	0.00	1258 (8)	74000 (8)	15997 (8)
26-21-S	100	100	22.62	27.14	118.06	-0.74	971 (8)	57134 (8)	12351 (8)
26-22-S	100	100	22.62	27.14	80.85	-6.21	665 (8)	39128 (8)	8458 (8)
26-23-S	100	100	22.62	27.14	54.70	-22.94	562 (8)	33089 (8)	9328 (8)
26-24-S	100	100	22.62	27.14	32.00	-43.61	439 (8)	25808 (8)	22169 (8)
26-25-S	100	100	22.62	27.14	20.41	-39.86	316 (8)	16459 (8)	16209 (8)
26-26-S	100	100	22.62	27.14	13.27	-16.86	136 (8)	8025 (8)	6858 (8)
27-1-S	100	100	22.62	27.14	8.76	-12.09	180 (8)	10595 (8)	4916 (8)
27-2-S	100	100	22.62	27.14	13.61	-19.30	280 (8)	16463 (8)	7850 (8)
27-3-S	100	100	22.62	27.14	19.86	-25.49	264 (8)	15525 (8)	10366 (8)
27-4-S	100	100	22.62	27.14	0.05	-127.96	1015 (8)	13151 (8)	52039 (8)
27-5-S	100	100	22.62	27.14	0.96	-202.05	1603 (8)	20765 (8)	82171 (8)
27-6-S	100	100	22.62	27.14	0.00	-81.97	651 (8)	8425 (8)	33338 (8)
27-7-S	100	100	22.62	27.14	247.78	0.00	491 (5)	6360 (5)	25169 (5)
27-8-S	100	100	22.62	27.14	236.17	-0.01	334 (5)	4319 (5)	17092 (5)
27-9-S	100	100	22.62	27.14	215.33	-0.01	372 (5)	19295 (5)	19056 (5)
27-10-S	100	100	22.62	27.14	28.49	-57.61	492 (8)	28950 (8)	23430 (8)
27-11-S	100	100	22.62	27.14	0.01	-100.35	796 (8)	10313 (8)	40810 (8)
27-12-S	100	100	22.62	27.14	0.94	-172.49	1369 (8)	17728 (8)	70151 (8)
27-13-S	100	100	22.62	27.14	0.02	-135.98	1079 (8)	13975 (8)	55301 (8)
27-14-S	100	100	22.62	27.14	0.00	-100.36	796 (8)	10314 (8)	40814 (8)
27-15-S	100	100	22.62	27.14	0.00	-58.41	464 (8)	6003 (8)	23757 (8)
27-16-S	100	100	22.62	27.14	134.47	-0.42	53 (5)	3096 (5)	2623 (5)
27-17-S	100	100	22.62	27.14	154.93	-0.13	457 (5)	26874 (5)	5809 (5)
27-18-S	100	100	22.62	27.14	158.25	-0.07	787 (5)	46308 (5)	10011 (5)
27-19-S	100	100	22.62	27.14	150.40	-0.08	1033 (5)	60755 (5)	13134 (5)
27-20-S	100	100	22.62	27.14	155.40	0.00	1278 (8)	75204 (8)	16257 (8)
27-21-S	100	100	22.62	27.14	120.52	-0.13	991 (8)	58325 (8)	12609 (8)
27-22-S	100	100	22.62	27.14	79.33	-1.15	653 (8)	38390 (8)	8299 (8)
27-23-S	100	100	22.62	27.14	48.77	-13.15	527 (8)	30976 (8)	6696 (8)
27-24-S	100	100	22.62	27.14	26.29	-34.63	349 (8)	20551 (8)	14085 (8)
27-25-S	100	100	22.62	27.14	17.31	-31.50	250 (8)	13961 (8)	12809 (8)
27-26-S	100	100	22.62	27.14	9.82	-9.11	135 (8)	7919 (8)	4633 (8)

Pali in c.a.

Ip	Is	Ar [cmq]	σc [kPa]	σf [kPa]	τc [kPa]	σstr [kPa]
1	1	152.05	5432	66276		
1	2	152.05	4346	54187		
1	3	152.05	3363	43080		
1	4	152.05	2551	33701		
1	5	152.05	1945	26530		
1	6	152.05	1439	20523		
1	7	152.05	1183	17481		
1	8	152.05	1527	21582		
1	9	152.05	1791	24734		
1	10	152.05	1982	27005		
1	11	152.05	2105	28480		
1	12	152.05	2170	29262		
1	13	152.05	2186	29456		
1	14	152.05	2161	29174		
1	15	152.05	2106	28524		
1	16	152.05	2028	27607		
1	17	152.05	1936	26514		
1	18	152.05	1835	25326		

RELAZIONE DI CALCOLO

Ip	Is	Ar [cmq]	σ_c [kPa]	σ_f [kPa]	τ_c [kPa]	σ_{stf} [kPa]
1	19	152.05	1732	24111		
1	20	152.05	1631	22923		
1	21	152.05	1537	21805		
1	22	152.05	1450	20786		
1	23	152.05	1374	19886		
1	24	152.05	1308	19116		
1	25	152.05	1254	18477		
1	26	152.05	1210	17965		
1	27	152.05	1176	17573		
1	28	152.05	1159	17380		
1	29	152.05	1182	17651		
1	30	152.05	1197	17842		
1	31	152.05	1207	17968		
1	32	152.05	1212	18042		
1	33	152.05	1215	18078		
1	34	152.05	1215	18087		
1	35	152.05	1213	18077		
1	36	152.05	1211	18057		
1	37	152.05	1208	18032		
1	38	152.05	1205	18009		
1	39	152.05	1203	17989		
1	40	152.05	1201	17975		
1	41	152.05	1200	17968		
1	42	152.05	1199	17969		
1	43	152.05	1199	17977		
1	44	152.05	1200	17993		
1	45	152.05	1201	18015		
1	46	152.05	1204	18061		
1	47	152.05	1208	18109		
1	48	152.05	1211	18153		
1	49	152.05	1213	18194		
1	50	152.05	1216	18234		
1	51	152.05	1218	18272		
1	52	152.05	1221	18309		
1	53	152.05	1223	18346		
1	54	152.05	1226	18383		
1	55	152.05	1228	18420		
1	56	152.05	1231	18457		
1	57	152.05	1233	18495		
1	58	152.05	1236	18533		
1	59	152.05	1238	18572		
1	60	152.05	1241	18610		
1	61	152.05	1243	18649		
1	62	152.05	1246	18690		
1	63	152.05	1249	18730		
1	64	152.05	1251	18770		
1	65	152.05	1254	18810		
1	66	152.05	1257	18850		
1	67	152.05	1259	18889		
1	68	152.05	1262	18929		
1	69	152.05	1265	18969		
1	70	152.05	1267	19008		
1	71	152.05	1270	19048		
1	72	152.05	1273	19088		
1	73	152.05	1275	19128		
1	74	152.05	1278	19168		
1	75	152.05	1280	19207		
1	76	152.05	1283	19247		
1	77	152.05	1286	19287		
1	78	152.05	1288	19327		
1	79	152.05	1291	19367		
1	80	152.05	1294	19407		
1	81	152.05	1296	19446		
1	82	152.05	1299	19486		
1	83	152.05	1302	19526		
1	84	152.05	1304	19566		
1	85	152.05	1307	19606		
1	86	152.05	1310	19646		
1	87	152.05	1312	19686		
1	88	152.05	1315	19725		
1	89	152.05	1318	19765		
1	90	152.05	1320	19805		
1	91	152.05	1323	19845		
1	92	152.05	1326	19885		
1	93	152.05	1328	19925		
1	94	152.05	1331	19965		
1	95	152.05	1334	20004		

RELAZIONE DI CALCOLO

Ip	Is	Ar [cmq]	σ_c [kPa]	σ_f [kPa]	τ_c [kPa]	σ_{stf} [kPa]
1	96	152.05	1336	20044		
1	97	152.05	1339	20084		
1	98	152.05	1342	20124		
1	99	152.05	1344	20164		
1	100	152.05	1347	20204		
1	101	152.05	1350	20243		
2	1	152.05	5491	67756		
2	2	152.05	4414	55693		
2	3	152.05	3457	44789		
2	4	152.05	2689	35831		
2	5	152.05	2097	28804		
2	6	152.05	1590	22791		
2	7	152.05	1333	19744		
2	8	152.05	1677	23840		
2	9	152.05	1941	26987		
2	10	152.05	2131	29252		
2	11	152.05	2255	30722		
2	12	152.05	2319	31498		
2	13	152.05	2334	31687		
2	14	152.05	2310	31400		
2	15	152.05	2254	30744		
2	16	152.05	2176	29822		
2	17	152.05	2083	28723		
2	18	152.05	1982	27530		
2	19	152.05	1879	26310		
2	20	152.05	1778	25116		
2	21	152.05	1682	23993		
2	22	152.05	1596	22969		
2	23	152.05	1519	22063		
2	24	152.05	1453	21288		
2	25	152.05	1398	20643		
2	26	152.05	1354	20126		
2	27	152.05	1320	19729		
2	28	152.05	1303	19531		
2	29	152.05	1325	19796		
2	30	152.05	1340	19981		
2	31	152.05	1349	20102		
2	32	152.05	1354	20171		
2	33	152.05	1356	20202		
2	34	152.05	1356	20205		
2	35	152.05	1354	20190		
2	36	152.05	1351	20164		
2	37	152.05	1348	20134		
2	38	152.05	1345	20105		
2	39	152.05	1342	20080		
2	40	152.05	1340	20060		
2	41	152.05	1339	20048		
2	42	152.05	1338	20044		
2	43	152.05	1337	20047		
2	44	152.05	1338	20057		
2	45	152.05	1338	20074		
2	46	152.05	1341	20114		
2	47	152.05	1344	20157		
2	48	152.05	1347	20196		
2	49	152.05	1349	20232		
2	50	152.05	1351	20266		
2	51	152.05	1354	20299		
2	52	152.05	1356	20331		
2	53	152.05	1358	20362		
2	54	152.05	1360	20394		
2	55	152.05	1362	20425		
2	56	152.05	1364	20457		
2	57	152.05	1366	20490		
2	58	152.05	1368	20522		
2	59	152.05	1370	20555		
2	60	152.05	1373	20589		
2	61	152.05	1375	20623		
2	62	152.05	1377	20657		
2	63	152.05	1379	20692		
2	64	152.05	1382	20727		
2	65	152.05	1384	20761		
2	66	152.05	1386	20796		
2	67	152.05	1389	20830		
2	68	152.05	1391	20865		
2	69	152.05	1393	20899		
2	70	152.05	1396	20933		
2	71	152.05	1398	20968		

RELAZIONE DI CALCOLO

Ip	Is	Ar [cmq]	σ_c [kPa]	σ_f [kPa]	τ_c [kPa]	σ_{stf} [kPa]
2	72	152.05	1400	21002		
2	73	152.05	1402	21036		
2	74	152.05	1405	21071		
2	75	152.05	1407	21105		
2	76	152.05	1409	21140		
2	77	152.05	1412	21174		
2	78	152.05	1414	21209		
2	79	152.05	1416	21243		
2	80	152.05	1419	21278		
2	81	152.05	1421	21312		
2	82	152.05	1423	21347		
2	83	152.05	1425	21381		
2	84	152.05	1428	21416		
2	85	152.05	1430	21450		
2	86	152.05	1432	21485		
2	87	152.05	1435	21519		
2	88	152.05	1437	21554		
2	89	152.05	1439	21588		
2	90	152.05	1442	21623		
2	91	152.05	1444	21657		
2	92	152.05	1446	21692		
2	93	152.05	1448	21726		
2	94	152.05	1451	21761		
2	95	152.05	1453	21795		
2	96	152.05	1455	21830		
2	97	152.05	1458	21864		
2	98	152.05	1460	21899		
2	99	152.05	1462	21933		
2	100	152.05	1464	21967		
2	101	152.05	1467	22002		
3	1	152.05	5553	69236		
3	2	152.05	4491	57259		
3	3	152.05	3566	46633		
3	4	152.05	2837	38066		
3	5	152.05	2248	31078		
3	6	152.05	1742	25060		
3	7	152.05	1484	22007		
3	8	152.05	1828	26097		
3	9	152.05	2092	29239		
3	10	152.05	2281	31499		
3	11	152.05	2404	32964		
3	12	152.05	2468	33734		
3	13	152.05	2483	33918		
3	14	152.05	2458	33625		
3	15	152.05	2402	32964		
3	16	152.05	2323	32036		
3	17	152.05	2230	30933		
3	18	152.05	2129	29734		
3	19	152.05	2025	28508		
3	20	152.05	1924	27310		
3	21	152.05	1828	26180		
3	22	152.05	1741	25151		
3	23	152.05	1664	24241		
3	24	152.05	1598	23459		
3	25	152.05	1543	22809		
3	26	152.05	1498	22287		
3	27	152.05	1464	21884		
3	28	152.05	1446	21681		
3	29	152.05	1468	21941		
3	30	152.05	1482	22121		
3	31	152.05	1491	22236		
3	32	152.05	1496	22300		
3	33	152.05	1498	22325		
3	34	152.05	1497	22323		
3	35	152.05	1495	22302		
3	36	152.05	1492	22271		
3	37	152.05	1488	22236		
3	38	152.05	1485	22202		
3	39	152.05	1482	22171		
3	40	152.05	1479	22146		
3	41	152.05	1477	22129		
3	42	152.05	1476	22119		
3	43	152.05	1475	22117		
3	44	152.05	1475	22122		
3	45	152.05	1476	22133		
3	46	152.05	1478	22168		
3	47	152.05	1481	22205		

RELAZIONE DI CALCOLO

Ip	Is	Ar [cmq]	σ_c [kPa]	σ_f [kPa]	τ_c [kPa]	σ_{stf} [kPa]
3	48	152.05	1483	22239		
3	49	152.05	1485	22269		
3	50	152.05	1487	22298		
3	51	152.05	1489	22325		
3	52	152.05	1490	22352		
3	53	152.05	1492	22378		
3	54	152.05	1494	22405		
3	55	152.05	1496	22431		
3	56	152.05	1497	22457		
3	57	152.05	1499	22484		
3	58	152.05	1501	22512		
3	59	152.05	1503	22539		
3	60	152.05	1505	22567		
3	61	152.05	1506	22596		
3	62	152.05	1508	22625		
3	63	152.05	1510	22655		
3	64	152.05	1512	22684		
3	65	152.05	1514	22713		
3	66	152.05	1516	22742		
3	67	152.05	1518	22771		
3	68	152.05	1520	22800		
3	69	152.05	1522	22829		
3	70	152.05	1524	22858		
3	71	152.05	1526	22887		
3	72	152.05	1528	22916		
3	73	152.05	1530	22945		
3	74	152.05	1532	22974		
3	75	152.05	1534	23003		
3	76	152.05	1535	23032		
3	77	152.05	1537	23062		
3	78	152.05	1539	23091		
3	79	152.05	1541	23120		
3	80	152.05	1543	23149		
3	81	152.05	1545	23178		
3	82	152.05	1547	23207		
3	83	152.05	1549	23236		
3	84	152.05	1551	23265		
3	85	152.05	1553	23295		
3	86	152.05	1555	23324		
3	87	152.05	1557	23353		
3	88	152.05	1559	23382		
3	89	152.05	1561	23411		
3	90	152.05	1563	23440		
3	91	152.05	1565	23469		
3	92	152.05	1567	23498		
3	93	152.05	1569	23528		
3	94	152.05	1570	23557		
3	95	152.05	1572	23586		
3	96	152.05	1574	23615		
3	97	152.05	1576	23644		
3	98	152.05	1578	23673		
3	99	152.05	1580	23702		
3	100	152.05	1582	23731		
3	101	152.05	1584	23760		

Combinazioni SLEQ

Paramento

Tensione massima di compressione nel calcestruzzo 14940 [kPa]
Tensione massima di trazione dell'acciaio 450000 [kPa]

n°	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	M [kNm]	N [kN]	σ_c [kPa]	σ_{fi} [kPa]	σ_{fs} [kPa]
1	100	30	22.62	22.62	-0.45	3.00	44 (7)	328 (7)	394 (7)
2	100	31	22.62	22.62	-0.39	3.74	34 (7)	323 (7)	128 (7)
3	100	32	22.62	22.62	-0.01	4.52	23 (7)	268 (7)	167 (8)
4	100	33	22.62	22.62	0.45	5.32	35 (8)	194 (7)	379 (8)
5	100	35	22.62	22.62	1.10	6.14	79 (8)	796 (8)	662 (8)
6	100	36	22.62	22.62	1.92	7.00	130 (8)	1955 (8)	963 (8)
7	100	37	22.62	22.62	2.93	7.89	185 (8)	3339 (8)	1297 (8)
8	100	38	22.62	22.62	4.13	8.80	244 (8)	4910 (8)	1667 (8)

RELAZIONE DI CALCOLO

n°	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	M [kNm]	N [kN]	σc [kPa]	σfi [kPa]	σfs [kPa]
9	100	39	22.62	22.62	5.53	9.74	306 (8)	6652 (8)	2074 (8)
10	100	40	22.62	22.62	7.13	10.71	371 (8)	8548 (8)	2514 (8)
11	100	42	22.62	22.62	8.93	11.71	438 (8)	10590 (8)	2986 (8)
12	100	43	22.62	22.62	10.95	12.74	507 (8)	12768 (8)	3489 (8)
13	100	44	22.62	22.62	13.18	13.79	578 (8)	15074 (8)	4020 (8)
14	100	45	22.62	22.62	15.64	14.88	650 (8)	17501 (8)	4578 (8)
15	100	46	22.62	22.62	18.32	15.99	723 (8)	20044 (8)	5160 (8)
16	100	47	22.62	22.62	21.24	17.13	797 (8)	22698 (8)	5766 (8)
17	100	49	22.62	22.62	24.39	18.30	873 (8)	25458 (8)	6394 (8)
18	100	50	22.62	22.62	27.79	19.49	949 (8)	28320 (8)	7043 (8)
19	100	51	22.62	22.62	31.43	20.72	1026 (8)	31280 (8)	7711 (8)
20	100	52	22.62	22.62	35.33	21.97	1104 (8)	34337 (8)	8398 (8)
21	100	53	22.62	22.62	39.49	23.25	1182 (8)	37487 (8)	9103 (8)
22	100	54	22.62	22.62	43.91	24.56	1261 (8)	40727 (8)	9825 (8)
23	100	56	22.62	22.62	48.60	25.90	1340 (8)	44055 (8)	10562 (8)
24	100	57	22.62	22.62	53.57	27.27	1420 (8)	47470 (8)	11315 (8)
25	100	58	22.62	22.62	58.81	28.66	1500 (8)	50970 (8)	12082 (8)
26	100	59	22.62	22.62	64.35	30.09	1581 (8)	54553 (8)	12864 (8)
27	100	60	22.62	22.62	70.17	31.54	1662 (8)	58217 (8)	13658 (8)
28	100	61	22.62	22.62	76.29	33.02	1744 (8)	61962 (8)	14466 (8)
29	100	63	22.62	22.62	82.71	34.53	1826 (8)	65785 (8)	15286 (8)
30	100	64	22.62	22.62	89.43	36.06	1909 (8)	69687 (8)	16118 (8)
31	100	65	22.62	22.62	96.47	37.63	1991 (8)	73666 (8)	16962 (8)
32	100	66	22.62	22.62	103.82	39.22	2075 (8)	77721 (8)	17817 (8)
33	100	67	22.62	22.62	111.50	40.84	2158 (8)	81851 (8)	18683 (8)
34	100	68	22.62	22.62	119.50	42.49	2242 (8)	86055 (8)	19559 (8)
35	100	70	22.62	22.62	127.84	44.17	2326 (8)	90333 (8)	20445 (8)
36	100	71	22.62	22.62	136.51	45.88	2411 (8)	94685 (8)	21342 (8)
37	100	72	22.62	22.62	145.53	47.61	2496 (8)	99108 (8)	22248 (8)
38	100	73	22.62	45.24	154.89	49.37	2036 (8)	53578 (8)	21344 (8)
39	100	74	22.62	45.24	164.61	51.17	2102 (8)	55930 (8)	22140 (8)
40	100	75	22.62	45.24	174.69	52.99	2169 (8)	58318 (8)	22943 (8)
41	100	77	22.62	45.24	185.13	54.83	2235 (8)	60742 (8)	23751 (8)
42	100	78	22.62	45.24	195.94	56.71	2303 (8)	63202 (8)	24565 (8)
43	100	79	22.62	45.24	207.13	58.61	2370 (8)	65697 (8)	25384 (8)
44	100	80	22.62	45.24	218.69	60.55	2437 (8)	68227 (8)	26209 (8)
45	100	81	22.62	45.24	230.64	62.51	2505 (8)	70793 (8)	27039 (8)
46	100	82	22.62	45.24	242.98	64.50	2573 (8)	73393 (8)	27874 (8)
47	100	84	22.62	45.24	255.72	66.52	2641 (8)	76029 (8)	28714 (8)
48	100	85	22.62	45.24	268.86	68.56	2709 (8)	78699 (8)	29559 (8)
49	100	86	22.62	45.24	282.40	70.64	2778 (8)	81403 (8)	30409 (8)
50	100	87	22.62	45.24	296.35	72.74	2846 (8)	84142 (8)	31263 (8)
51	100	88	22.62	45.24	310.73	74.87	2915 (8)	86916 (8)	32123 (8)
52	100	89	0.00	45.24	325.52	77.03	3347 (8)	91070 (8)	0 (7)
53	100	91	0.00	45.24	340.74	79.22	3423 (8)	93954 (8)	0 (7)
54	100	92	0.00	45.24	356.39	81.44	3499 (8)	96872 (8)	0 (7)
55	100	93	0.00	45.24	372.48	83.68	3575 (8)	99823 (8)	0 (7)
56	100	94	0.00	45.24	389.02	85.95	3651 (8)	102809 (8)	0 (7)
57	100	95	0.00	45.24	406.00	88.26	3727 (8)	105830 (8)	0 (7)
58	100	96	0.00	45.24	423.43	90.59	3803 (8)	108883 (8)	0 (7)
59	100	98	0.00	45.24	441.33	92.94	3880 (8)	111970 (8)	0 (7)
60	100	99	0.00	45.24	459.69	95.33	3956 (8)	115090 (8)	0 (7)
61	100	100	0.00	45.24	478.51	97.74	4041 (8)	118413 (8)	0 (7)

Piastra fondazione

Tensione massima di compressione nel calcestruzzo 19920 [kPa]
Tensione massima di trazione dell'acciaio 360000 [kPa]

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
1-1-P	100	100	27.14	27.14	13.74	-5.59	132 (8)	6964 (8)	2267 (8)
1-2-P	100	100	27.14	27.14	1.53	-12.40	96 (8)	1548 (8)	5029 (8)
1-3-P	100	100	27.14	27.14	0.38	-30.28	234 (8)	3015 (8)	12279 (8)
1-4-P	100	100	27.14	27.14	0.27	-67.42	520 (8)	6714 (8)	27340 (8)
1-5-P	100	100	27.14	27.14	0.00	-112.48	868 (8)	11201 (8)	45615 (8)
1-6-P	100	100	27.14	27.14	0.26	-68.63	529 (8)	6835 (8)	27833 (8)
1-7-P	100	100	27.14	27.14	0.08	-28.87	223 (8)	2875 (8)	11706 (8)
1-8-P	100	100	27.14	27.14	2.32	-7.35	57 (8)	2355 (8)	2979 (8)
1-9-P	100	100	27.14	27.14	11.97	-1.56	92 (8)	4854 (8)	1192 (8)
1-10-P	100	100	27.14	27.14	22.82	-0.08	176 (8)	9255 (8)	2273 (8)
1-11-P	100	100	27.14	27.14	22.62	0.00	174 (8)	9173 (8)	2253 (8)
1-12-P	100	100	27.14	27.14	22.57	-0.06	174 (8)	9151 (8)	2247 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
1-13-P	100	100	27.14	27.14	12.50	-1.40	96 (8)	5067 (8)	1244 (8)
1-14-P	100	100	27.14	27.14	2.55	-5.68	44 (8)	1724 (8)	2303 (8)
1-15-P	100	100	27.14	27.14	0.12	-25.34	195 (8)	2524 (8)	10278 (8)
1-16-P	100	100	27.14	27.14	0.27	-62.38	481 (8)	6212 (8)	25296 (8)
1-17-P	100	100	27.14	27.14	0.00	-103.09	795 (8)	10266 (8)	41804 (8)
1-18-P	100	100	27.14	27.14	0.28	-62.38	481 (8)	6212 (8)	25296 (8)
1-19-P	100	100	27.14	27.14	0.13	-25.35	196 (8)	2524 (8)	10279 (8)
1-20-P	100	100	27.14	27.14	2.52	-5.80	45 (8)	1702 (8)	2353 (8)
1-21-P	100	100	27.14	27.14	12.12	-1.45	93 (8)	4913 (8)	1206 (8)
1-22-P	100	100	27.14	27.14	21.86	-0.06	169 (8)	8866 (8)	2177 (8)
1-23-P	100	100	27.14	27.14	21.72	0.00	168 (8)	8807 (8)	2163 (8)
1-24-P	100	100	27.14	27.14	21.73	-0.11	168 (8)	8814 (8)	2164 (8)
1-25-P	100	100	27.14	27.14	9.75	-0.68	75 (8)	3954 (8)	971 (8)
1-26-P	100	100	27.14	27.14	0.66	-7.26	56 (8)	1348 (8)	2945 (8)
1-27-P	100	100	27.14	27.14	0.00	-11.86	152 (8)	1968 (8)	8014 (8)
1-28-P	100	100	27.14	27.14	0.31	-43.78	338 (8)	4359 (8)	17752 (8)
1-29-P	100	100	27.14	27.14	0.10	-87.78	677 (8)	8741 (8)	35596 (8)
1-30-P	100	100	27.14	27.14	0.22	-31.88	307 (8)	3968 (8)	16161 (8)
1-31-P	100	100	27.14	27.14	0.34	-30.00	231 (8)	2987 (8)	12164 (8)
1-32-P	100	100	27.14	27.14	2.67	-10.35	80 (8)	2707 (8)	4198 (8)
1-33-P	100	100	27.14	27.14	11.90	-1.96	92 (8)	4825 (8)	1185 (8)
1-34-P	100	100	27.14	27.14	24.00	-0.09	185 (8)	9731 (8)	2390 (8)
1-35-P	100	100	27.14	27.14	23.32	0.00	180 (8)	9456 (8)	2322 (8)
1-36-P	100	100	27.14	27.14	22.81	-0.09	176 (8)	9251 (8)	2272 (8)
1-37-P	100	100	27.14	27.14	10.42	-0.63	80 (8)	4226 (8)	1038 (8)
1-38-P	100	100	27.14	27.14	0.64	-6.87	53 (8)	1301 (8)	2787 (8)
1-39-P	100	100	27.14	27.14	0.00	-11.72	151 (8)	1946 (8)	7923 (8)
1-40-P	100	100	27.14	27.14	0.31	-43.72	337 (8)	4354 (8)	17730 (8)
1-41-P	100	100	27.14	27.14	0.10	-87.79	677 (8)	8743 (8)	35602 (8)
1-42-P	100	100	27.14	27.14	0.23	-31.91	308 (8)	3972 (8)	16174 (8)
1-43-P	100	100	27.14	27.14	0.34	-30.05	232 (8)	2992 (8)	12185 (8)
1-44-P	100	100	27.14	27.14	2.65	-10.39	80 (8)	2690 (8)	4212 (8)
1-45-P	100	100	27.14	27.14	11.86	-1.97	91 (8)	4808 (8)	1181 (8)
1-46-P	100	100	27.14	27.14	23.96	-0.09	185 (8)	9717 (8)	2386 (8)
1-47-P	100	100	27.14	27.14	23.29	0.00	180 (8)	9446 (8)	2319 (8)
1-48-P	100	100	27.14	27.14	22.79	-0.09	176 (8)	9244 (8)	2270 (8)
1-49-P	100	100	27.14	27.14	10.41	-0.63	80 (8)	4221 (8)	1036 (8)
1-50-P	100	100	27.14	27.14	0.64	-6.88	53 (8)	1301 (8)	2791 (8)
1-51-P	100	100	27.14	27.14	0.00	-11.73	151 (8)	1946 (8)	7926 (8)
1-52-P	100	100	27.14	27.14	0.31	-43.72	337 (8)	4354 (8)	17732 (8)
1-53-P	100	100	27.14	27.14	0.10	-87.80	677 (8)	8743 (8)	35604 (8)
1-54-P	100	100	27.14	27.14	0.23	-31.91	308 (8)	3972 (8)	16176 (8)
1-55-P	100	100	27.14	27.14	0.34	-30.05	232 (8)	2993 (8)	12187 (8)
1-56-P	100	100	27.14	27.14	2.65	-10.39	80 (8)	2688 (8)	4215 (8)
1-57-P	100	100	27.14	27.14	11.84	-1.97	91 (8)	4803 (8)	1179 (8)
1-58-P	100	100	27.14	27.14	23.94	-0.09	185 (8)	9709 (8)	2384 (8)
1-59-P	100	100	27.14	27.14	23.26	0.00	179 (8)	9432 (8)	2316 (8)
1-60-P	100	100	27.14	27.14	22.75	-0.09	175 (8)	9225 (8)	2265 (8)
1-61-P	100	100	27.14	27.14	10.35	-0.63	80 (8)	4197 (8)	1031 (8)
1-62-P	100	100	27.14	27.14	0.63	-6.94	54 (8)	1277 (8)	2815 (8)
1-63-P	100	100	27.14	27.14	0.00	-11.79	152 (8)	1957 (8)	7968 (8)
1-64-P	100	100	27.14	27.14	0.31	-43.84	338 (8)	4366 (8)	17778 (8)
1-65-P	100	100	27.14	27.14	0.10	-87.91	678 (8)	8754 (8)	35649 (8)
1-66-P	100	100	27.14	27.14	0.22	-31.99	308 (8)	3982 (8)	16216 (8)
1-67-P	100	100	27.14	27.14	0.33	-30.15	233 (8)	3003 (8)	12227 (8)
1-68-P	100	100	27.14	27.14	2.63	-10.30	79 (8)	2669 (8)	4178 (8)
1-69-P	100	100	27.14	27.14	12.16	-1.90	94 (8)	4930 (8)	1211 (8)
1-70-P	100	100	27.14	27.14	24.62	-0.08	190 (8)	9982 (8)	2451 (8)
1-71-P	100	100	27.14	27.14	24.16	0.00	186 (8)	9798 (8)	2406 (8)
1-72-P	100	100	27.14	27.14	23.86	-0.07	184 (8)	9675 (8)	2376 (8)
1-73-P	100	100	27.14	27.14	12.60	-1.50	97 (8)	5108 (8)	1254 (8)
1-74-P	100	100	27.14	27.14	2.38	-7.05	54 (8)	2409 (8)	2858 (8)
1-75-P	100	100	27.14	27.14	0.08	-28.75	222 (8)	2863 (8)	11658 (8)
1-76-P	100	100	27.14	27.14	0.26	-68.58	529 (8)	6830 (8)	27812 (8)
1-77-P	100	100	27.14	27.14	0.00	-112.49	868 (8)	11202 (8)	45620 (8)
1-78-P	100	100	27.14	27.14	0.27	-67.45	520 (8)	6716 (8)	27351 (8)
1-79-P	100	100	27.14	27.14	0.36	-30.30	234 (8)	3017 (8)	12287 (8)
1-80-P	100	100	27.14	27.14	1.51	-12.42	96 (8)	1533 (8)	5035 (8)
1-81-P	100	100	27.14	27.14	13.72	-5.59	132 (8)	6957 (8)	2269 (8)
3-1-P	100	100	22.62	22.62	1.89	-12.84	109 (8)	3849 (8)	6231 (8)
3-2-P	100	100	22.62	22.62	0.00	-19.18	163 (8)	2074 (8)	9307 (8)
3-3-P	100	100	22.62	22.62	0.00	-27.41	232 (8)	2964 (8)	13298 (8)
3-4-P	100	100	22.62	22.62	0.09	-21.47	182 (8)	2322 (8)	10418 (8)
3-5-P	100	100	22.62	22.62	2.70	-18.05	153 (8)	2293 (8)	8759 (8)
3-6-P	100	100	22.62	22.62	4.55	-28.14	238 (8)	4213 (8)	13655 (8)
3-7-P	100	100	22.62	22.62	0.33	-32.17	273 (8)	3479 (8)	15609 (8)
3-8-P	100	100	22.62	22.62	0.00	-31.58	268 (8)	3416 (8)	15325 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
3-9-P	100	100	22.62	22.62	2.24	-27.90	236 (8)	3798 (8)	13538 (8)
3-10-P	100	100	22.62	22.62	4.98	-26.41	224 (8)	7251 (8)	12813 (8)
3-11-P	100	100	22.62	22.62	3.35	-27.26	231 (8)	5692 (8)	13226 (8)
3-12-P	100	100	22.62	22.62	2.34	-28.72	243 (8)	4762 (8)	13937 (8)
3-13-P	100	100	22.62	22.62	0.00	-35.45	300 (8)	3833 (8)	17198 (8)
3-14-P	100	100	22.62	22.62	0.00	-46.15	391 (8)	4991 (8)	22392 (8)
3-15-P	100	100	22.62	22.62	0.00	-50.87	431 (8)	5501 (8)	24682 (8)
3-16-P	100	100	22.62	22.62	0.00	-46.61	395 (8)	5041 (8)	22616 (8)
3-17-P	100	100	22.62	22.62	0.28	-42.64	361 (8)	4611 (8)	20688 (8)
3-18-P	100	100	22.62	22.62	0.14	-49.91	423 (8)	5397 (8)	24215 (8)
3-19-P	100	100	22.62	22.62	0.00	-57.18	484 (8)	6184 (8)	27742 (8)
3-20-P	100	100	22.62	22.62	0.00	-55.68	472 (8)	6021 (8)	27014 (8)
3-21-P	100	100	22.62	22.62	0.00	-48.24	409 (8)	5217 (8)	23404 (8)
3-22-P	100	100	22.62	22.62	0.36	-42.83	363 (8)	4632 (8)	20783 (8)
3-23-P	100	100	22.62	22.62	0.16	-43.60	369 (8)	4715 (8)	21153 (8)
3-24-P	100	100	22.62	22.62	0.10	-44.49	377 (8)	4812 (8)	21587 (8)
3-25-P	100	100	22.62	22.62	0.00	-52.09	441 (8)	5634 (8)	25276 (8)
3-26-P	100	100	22.62	22.62	0.00	-61.48	521 (8)	6649 (8)	29832 (8)
3-27-P	100	100	22.62	22.62	0.00	-64.97	550 (8)	7026 (8)	31523 (8)
3-28-P	100	100	22.62	22.62	0.00	-59.60	505 (8)	6446 (8)	28919 (8)
3-29-P	100	100	22.62	22.62	0.02	-54.26	460 (8)	5868 (8)	26326 (8)
3-30-P	100	100	22.62	22.62	0.00	-60.70	514 (8)	6565 (8)	29452 (8)
3-31-P	100	100	22.62	22.62	0.00	-67.17	569 (8)	7264 (8)	32589 (8)
3-32-P	100	100	22.62	22.62	0.00	-64.80	549 (8)	7008 (8)	31441 (8)
3-33-P	100	100	22.62	22.62	0.00	-56.55	479 (8)	6115 (8)	27436 (8)
3-34-P	100	100	22.62	22.62	0.00	-49.99	424 (8)	5407 (8)	24256 (8)
3-35-P	100	100	22.62	22.62	0.00	-50.24	426 (8)	5433 (8)	24376 (8)
3-36-P	100	100	22.62	22.62	0.00	-50.49	428 (8)	5460 (8)	24496 (8)
3-37-P	100	100	22.62	22.62	0.00	-57.54	488 (8)	6223 (8)	27920 (8)
3-38-P	100	100	22.62	22.62	0.00	-66.30	562 (8)	7170 (8)	32169 (8)
3-39-P	100	100	22.62	22.62	0.00	-69.18	586 (8)	7482 (8)	33566 (8)
3-40-P	100	100	22.62	22.62	0.00	-63.24	536 (8)	6840 (8)	30685 (8)
3-41-P	100	100	22.62	22.62	0.00	-57.30	486 (8)	6197 (8)	27804 (8)
3-42-P	100	100	22.62	22.62	0.00	-63.24	536 (8)	6840 (8)	30685 (8)
3-43-P	100	100	22.62	22.62	0.00	-69.18	586 (8)	7482 (8)	33566 (8)
3-44-P	100	100	22.62	22.62	0.00	-66.30	562 (8)	7170 (8)	32169 (8)
3-45-P	100	100	22.62	22.62	0.00	-57.54	488 (8)	6223 (8)	27920 (8)
3-46-P	100	100	22.62	22.62	0.00	-50.49	428 (8)	5460 (8)	24496 (8)
3-47-P	100	100	22.62	22.62	0.00	-50.24	426 (8)	5433 (8)	24376 (8)
3-48-P	100	100	22.62	22.62	0.00	-49.99	424 (8)	5407 (8)	24256 (8)
3-49-P	100	100	22.62	22.62	0.00	-56.55	479 (8)	6115 (8)	27436 (8)
3-50-P	100	100	22.62	22.62	0.00	-64.80	549 (8)	7008 (8)	31441 (8)
3-51-P	100	100	22.62	22.62	0.00	-67.17	569 (8)	7264 (8)	32589 (8)
3-52-P	100	100	22.62	22.62	0.00	-60.70	514 (8)	6565 (8)	29452 (8)
3-53-P	100	100	22.62	22.62	0.02	-54.26	460 (8)	5868 (8)	26326 (8)
3-54-P	100	100	22.62	22.62	0.00	-59.60	505 (8)	6446 (8)	28919 (8)
3-55-P	100	100	22.62	22.62	0.00	-64.97	550 (8)	7026 (8)	31523 (8)
3-56-P	100	100	22.62	22.62	0.00	-61.48	521 (8)	6649 (8)	29832 (8)
3-57-P	100	100	22.62	22.62	0.00	-52.09	441 (8)	5634 (8)	25276 (8)
3-58-P	100	100	22.62	22.62	0.10	-44.49	377 (8)	4812 (8)	21587 (8)
3-59-P	100	100	22.62	22.62	0.16	-43.60	369 (8)	4715 (8)	21153 (8)
3-60-P	100	100	22.62	22.62	0.36	-42.83	363 (8)	4632 (8)	20783 (8)
3-61-P	100	100	22.62	22.62	0.00	-48.24	409 (8)	5217 (8)	23404 (8)
3-62-P	100	100	22.62	22.62	0.00	-55.68	472 (8)	6021 (8)	27014 (8)
3-63-P	100	100	22.62	22.62	0.00	-57.18	484 (8)	6184 (8)	27742 (8)
3-64-P	100	100	22.62	22.62	0.14	-49.91	423 (8)	5397 (8)	24215 (8)
3-65-P	100	100	22.62	22.62	0.28	-42.64	361 (8)	4611 (8)	20688 (8)
3-66-P	100	100	22.62	22.62	0.00	-46.61	395 (8)	5041 (8)	22616 (8)
3-67-P	100	100	22.62	22.62	0.00	-50.87	431 (8)	5501 (8)	24682 (8)
3-68-P	100	100	22.62	22.62	0.00	-46.15	391 (8)	4991 (8)	22392 (8)
3-69-P	100	100	22.62	22.62	0.00	-35.45	300 (8)	3833 (8)	17198 (8)
3-70-P	100	100	22.62	22.62	2.34	-28.72	243 (8)	4762 (8)	13937 (8)
3-71-P	100	100	22.62	22.62	3.35	-27.26	231 (8)	5692 (8)	13226 (8)
3-72-P	100	100	22.62	22.62	4.98	-26.41	224 (8)	7251 (8)	12813 (8)
3-73-P	100	100	22.62	22.62	2.24	-27.90	236 (8)	3798 (8)	13538 (8)
3-74-P	100	100	22.62	22.62	0.00	-31.58	268 (8)	3416 (8)	15325 (8)
3-75-P	100	100	22.62	22.62	0.33	-32.17	273 (8)	3479 (8)	15609 (8)
3-76-P	100	100	22.62	22.62	4.55	-28.14	238 (8)	4213 (8)	13655 (8)
3-77-P	100	100	22.62	22.62	2.70	-18.05	153 (8)	2293 (8)	8759 (8)
3-78-P	100	100	22.62	22.62	0.09	-21.47	182 (8)	2322 (8)	10418 (8)
3-79-P	100	100	22.62	22.62	0.00	-27.41	232 (8)	2964 (8)	13298 (8)
3-80-P	100	100	22.62	22.62	0.00	-19.18	163 (8)	2074 (8)	9307 (8)
3-81-P	100	100	22.62	22.62	1.89	-12.84	109 (8)	3849 (8)	6231 (8)
4-1-P	100	100	22.62	22.62	11.94	0.00	95 (5)	5467 (5)	1219 (5)
4-2-P	100	100	22.62	22.62	3.23	-7.95	67 (8)	3296 (8)	3859 (8)
4-3-P	100	100	22.62	22.62	7.33	-26.51	225 (8)	7467 (8)	12863 (8)
4-4-P	100	100	22.62	22.62	0.00	-96.10	814 (8)	10393 (8)	46627 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
4-5-P	100	100	22.62	22.62	0.38	-173.39	1469 (8)	18752 (8)	84130 (8)
4-6-P	100	100	22.62	22.62	1.17	-100.20	849 (8)	10837 (8)	48618 (8)
4-7-P	100	100	22.62	22.62	10.29	-35.35	300 (8)	5245 (8)	17153 (8)
4-8-P	100	100	22.62	22.62	36.18	-22.86	307 (8)	17554 (8)	11090 (8)
4-9-P	100	100	22.62	22.62	80.66	0.00	324 (5)	18543 (5)	4974 (5)
4-10-P	100	100	22.62	22.62	95.33	0.00	361 (5)	20681 (5)	4610 (5)
4-11-P	100	100	22.62	22.62	96.04	0.00	346 (5)	19811 (5)	4416 (5)
4-12-P	100	100	22.62	22.62	96.76	0.00	332 (5)	19031 (5)	4242 (5)
4-13-P	100	100	22.62	22.62	84.54	0.00	208 (5)	11936 (5)	2660 (5)
4-14-P	100	100	22.62	22.62	69.10	0.00	152 (5)	8691 (5)	3724 (5)
4-15-P	100	100	22.62	22.62	0.00	-34.09	289 (8)	3687 (8)	16541 (8)
4-16-P	100	100	22.62	22.62	0.00	-108.90	923 (8)	11778 (8)	52840 (8)
4-17-P	100	100	22.62	22.62	0.09	-183.81	1557 (8)	19878 (8)	89184 (8)
4-18-P	100	100	22.62	22.62	0.07	-111.49	945 (8)	12057 (8)	54094 (8)
4-19-P	100	100	22.62	22.62	0.04	-39.16	332 (8)	4235 (8)	19000 (8)
4-20-P	100	100	22.62	22.62	18.89	-20.42	198 (8)	11319 (8)	9906 (8)
4-21-P	100	100	22.62	22.62	76.99	0.00	184 (5)	10546 (5)	3274 (5)
4-22-P	100	100	22.62	22.62	87.87	0.00	215 (5)	12295 (5)	2740 (5)
4-23-P	100	100	22.62	22.62	86.82	0.00	205 (5)	11730 (5)	2614 (5)
4-24-P	100	100	22.62	22.62	85.78	0.00	197 (5)	11273 (5)	2513 (5)
4-25-P	100	100	22.62	22.62	72.84	0.00	136 (5)	7784 (5)	1735 (5)
4-26-P	100	100	22.62	22.62	7.46	-14.42	122 (8)	6336 (8)	6997 (8)
4-27-P	100	100	22.62	22.62	0.00	-46.36	393 (8)	5014 (8)	22495 (8)
4-28-P	100	100	22.62	22.62	0.00	-120.48	1021 (8)	13030 (8)	58459 (8)
4-29-P	100	100	22.62	22.62	0.01	-194.61	1649 (8)	21047 (8)	94427 (8)
4-30-P	100	100	22.62	22.62	0.00	-121.62	1030 (8)	13153 (8)	59011 (8)
4-31-P	100	100	22.62	22.62	0.00	-48.64	412 (8)	5260 (8)	23600 (8)
4-32-P	100	100	22.62	22.62	9.11	-19.50	165 (8)	7143 (8)	9459 (8)
4-33-P	100	100	22.62	22.62	67.17	0.00	119 (5)	6791 (5)	2882 (5)
4-34-P	100	100	22.62	22.62	78.70	0.00	144 (5)	8224 (5)	1833 (5)
4-35-P	100	100	22.62	22.62	78.35	0.00	147 (5)	8439 (5)	1881 (5)
4-36-P	100	100	22.62	22.62	78.00	0.00	146 (5)	8342 (5)	1859 (5)
4-37-P	100	100	22.62	22.62	65.77	0.00	104 (5)	5953 (5)	2490 (5)
4-38-P	100	100	22.62	22.62	6.47	-18.49	157 (8)	5989 (8)	8971 (8)
4-39-P	100	100	22.62	22.62	0.00	-50.83	431 (8)	5498 (8)	24665 (8)
4-40-P	100	100	22.62	22.62	0.00	-124.38	1054 (8)	13451 (8)	60348 (8)
4-41-P	100	100	22.62	22.62	0.00	-197.92	1677 (8)	21405 (8)	96030 (8)
4-42-P	100	100	22.62	22.62	0.00	-124.38	1054 (8)	13451 (8)	60348 (8)
4-43-P	100	100	22.62	22.62	0.00	-50.83	431 (8)	5498 (8)	24665 (8)
4-44-P	100	100	22.62	22.62	6.47	-18.49	157 (8)	5989 (8)	8971 (8)
4-45-P	100	100	22.62	22.62	65.77	0.00	104 (5)	5953 (5)	2490 (5)
4-46-P	100	100	22.62	22.62	78.00	0.00	146 (5)	8342 (5)	1859 (5)
4-47-P	100	100	22.62	22.62	78.35	0.00	147 (5)	8439 (5)	1881 (5)
4-48-P	100	100	22.62	22.62	78.70	0.00	144 (5)	8224 (5)	1833 (5)
4-49-P	100	100	22.62	22.62	67.17	0.00	119 (5)	6791 (5)	2882 (5)
4-50-P	100	100	22.62	22.62	9.11	-19.50	165 (8)	7143 (8)	9459 (8)
4-51-P	100	100	22.62	22.62	0.00	-48.64	412 (8)	5260 (8)	23600 (8)
4-52-P	100	100	22.62	22.62	0.00	-121.62	1030 (8)	13153 (8)	59011 (8)
4-53-P	100	100	22.62	22.62	0.01	-194.61	1649 (8)	21047 (8)	94427 (8)
4-54-P	100	100	22.62	22.62	0.00	-120.48	1021 (8)	13030 (8)	58459 (8)
4-55-P	100	100	22.62	22.62	0.00	-46.36	393 (8)	5014 (8)	22495 (8)
4-56-P	100	100	22.62	22.62	7.46	-14.42	122 (8)	6336 (8)	6997 (8)
4-57-P	100	100	22.62	22.62	72.84	0.00	136 (5)	7784 (5)	1735 (5)
4-58-P	100	100	22.62	22.62	85.78	0.00	197 (5)	11273 (5)	2513 (5)
4-59-P	100	100	22.62	22.62	86.82	0.00	205 (5)	11730 (5)	2614 (5)
4-60-P	100	100	22.62	22.62	87.87	0.00	215 (5)	12295 (5)	2740 (5)
4-61-P	100	100	22.62	22.62	76.99	0.00	184 (5)	10546 (5)	3274 (5)
4-62-P	100	100	22.62	22.62	18.89	-20.42	198 (8)	11319 (8)	9906 (8)
4-63-P	100	100	22.62	22.62	0.04	-39.16	332 (8)	4235 (8)	19000 (8)
4-64-P	100	100	22.62	22.62	0.07	-111.49	945 (8)	12057 (8)	54094 (8)
4-65-P	100	100	22.62	22.62	0.09	-183.81	1557 (8)	19878 (8)	89184 (8)
4-66-P	100	100	22.62	22.62	0.00	-108.90	923 (8)	11778 (8)	52840 (8)
4-67-P	100	100	22.62	22.62	0.00	-34.09	289 (8)	3687 (8)	16541 (8)
4-68-P	100	100	22.62	22.62	69.10	0.00	152 (5)	8691 (5)	3724 (5)
4-69-P	100	100	22.62	22.62	84.54	0.00	208 (5)	11936 (5)	2660 (5)
4-70-P	100	100	22.62	22.62	96.76	0.00	332 (5)	19031 (5)	4242 (5)
4-71-P	100	100	22.62	22.62	96.04	0.00	346 (5)	19811 (5)	4416 (5)
4-72-P	100	100	22.62	22.62	95.33	0.00	361 (5)	20681 (5)	4610 (5)
4-73-P	100	100	22.62	22.62	80.66	0.00	324 (5)	18543 (5)	4974 (5)
4-74-P	100	100	22.62	22.62	36.18	-22.86	307 (8)	17554 (8)	11090 (8)
4-75-P	100	100	22.62	22.62	10.29	-35.35	300 (8)	5245 (8)	17153 (8)
4-76-P	100	100	22.62	22.62	1.17	-100.20	849 (8)	10837 (8)	48618 (8)
4-77-P	100	100	22.62	22.62	0.38	-173.39	1469 (8)	18752 (8)	84130 (8)
4-78-P	100	100	22.62	22.62	0.00	-96.10	814 (8)	10393 (8)	46627 (8)
4-79-P	100	100	22.62	22.62	7.33	-26.51	225 (8)	7467 (8)	12863 (8)
4-80-P	100	100	22.62	22.62	3.23	-7.95	67 (8)	3296 (8)	3859 (8)
4-81-P	100	100	22.62	22.62	11.94	0.00	95 (5)	5467 (5)	1219 (5)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
5-1-P	100	100	27.14	27.14	1.79	-8.17	59 (5)	763 (5)	3107 (5)
5-2-P	100	100	27.14	27.14	0.33	-14.33	111 (8)	1427 (8)	5810 (8)
5-3-P	100	100	27.14	27.14	0.55	-21.02	162 (8)	2093 (8)	8523 (8)
5-4-P	100	100	27.14	27.14	1.40	-27.45	247 (8)	3189 (8)	12988 (8)
5-5-P	100	100	27.14	27.14	2.69	-34.26	308 (8)	3980 (8)	16209 (8)
5-6-P	100	100	27.14	27.14	5.55	-21.78	220 (8)	3938 (8)	11591 (8)
5-7-P	100	100	27.14	27.14	9.64	-10.47	135 (8)	4889 (8)	7075 (8)
5-8-P	100	100	27.14	27.14	39.07	0.00	158 (5)	8307 (5)	3348 (5)
5-9-P	100	100	27.14	27.14	59.73	0.00	265 (5)	13941 (5)	3423 (5)
5-10-P	100	100	27.14	27.14	76.72	0.00	363 (5)	19069 (5)	4683 (5)
5-11-P	100	100	27.14	27.14	78.98	0.00	366 (5)	19237 (5)	4724 (5)
5-12-P	100	100	27.14	27.14	81.25	0.00	369 (5)	19406 (5)	4765 (5)
5-13-P	100	100	27.14	27.14	69.22	0.00	276 (5)	14531 (5)	3568 (5)
5-14-P	100	100	27.14	27.14	53.62	0.00	169 (5)	8879 (5)	2667 (5)
5-15-P	100	100	27.14	27.14	13.38	-10.61	136 (8)	6782 (8)	7171 (8)
5-16-P	100	100	27.14	27.14	9.93	-21.00	227 (8)	7047 (8)	11921 (8)
5-17-P	100	100	27.14	27.14	7.63	-32.46	329 (8)	6495 (8)	17277 (8)
5-18-P	100	100	27.14	27.14	9.19	-21.76	235 (8)	6521 (8)	12354 (8)
5-19-P	100	100	27.14	27.14	11.49	-11.74	151 (8)	7769 (8)	7932 (8)
5-20-P	100	100	27.14	27.14	52.46	0.00	130 (5)	6819 (5)	2165 (5)
5-21-P	100	100	27.14	27.14	68.17	0.00	228 (5)	11984 (5)	2943 (5)
5-22-P	100	100	27.14	27.14	80.58	0.00	314 (5)	16516 (5)	4056 (5)
5-23-P	100	100	27.14	27.14	79.76	0.00	308 (5)	16199 (5)	3978 (5)
5-24-P	100	100	27.14	27.14	78.95	0.00	302 (5)	15882 (5)	3900 (5)
5-25-P	100	100	27.14	27.14	65.00	0.00	201 (5)	10557 (5)	2592 (5)
5-26-P	100	100	27.14	27.14	47.76	0.00	120 (5)	6316 (5)	2488 (5)
5-27-P	100	100	27.14	27.14	7.76	-14.39	185 (8)	5248 (8)	9723 (8)
5-28-P	100	100	27.14	27.14	5.47	-25.89	280 (8)	5175 (8)	14699 (8)
5-29-P	100	100	27.14	27.14	4.05	-38.21	387 (8)	4994 (8)	20335 (8)
5-30-P	100	100	27.14	27.14	5.05	-26.66	288 (8)	4774 (8)	15134 (8)
5-31-P	100	100	27.14	27.14	6.34	-15.34	197 (8)	6424 (8)	10366 (8)
5-32-P	100	100	27.14	27.14	43.71	0.00	129 (5)	6772 (5)	3242 (5)
5-33-P	100	100	27.14	27.14	59.64	0.00	160 (5)	8400 (5)	2063 (5)
5-34-P	100	100	27.14	27.14	72.32	0.00	253 (5)	13315 (5)	3270 (5)
5-35-P	100	100	27.14	27.14	71.95	0.00	251 (5)	13197 (5)	3241 (5)
5-36-P	100	100	27.14	27.14	71.58	0.00	249 (5)	13080 (5)	3212 (5)
5-37-P	100	100	27.14	27.14	58.18	0.00	150 (5)	7878 (5)	1935 (5)
5-38-P	100	100	27.14	27.14	41.52	0.00	113 (5)	5920 (5)	3622 (5)
5-39-P	100	100	27.14	27.14	5.34	-16.77	216 (8)	5411 (8)	11332 (8)
5-40-P	100	100	27.14	27.14	3.86	-28.50	308 (8)	4111 (8)	16182 (8)
5-41-P	100	100	27.14	27.14	2.90	-40.69	412 (8)	5318 (8)	21657 (8)
5-42-P	100	100	27.14	27.14	3.86	-28.50	308 (8)	4111 (8)	16182 (8)
5-43-P	100	100	27.14	27.14	5.34	-16.77	216 (8)	5411 (8)	11332 (8)
5-44-P	100	100	27.14	27.14	41.52	0.00	113 (5)	5920 (5)	3622 (5)
5-45-P	100	100	27.14	27.14	58.18	0.00	150 (5)	7878 (5)	1935 (5)
5-46-P	100	100	27.14	27.14	71.58	0.00	249 (5)	13080 (5)	3212 (5)
5-47-P	100	100	27.14	27.14	71.95	0.00	251 (5)	13197 (5)	3241 (5)
5-48-P	100	100	27.14	27.14	72.32	0.00	253 (5)	13315 (5)	3270 (5)
5-49-P	100	100	27.14	27.14	59.64	0.00	160 (5)	8400 (5)	2063 (5)
5-50-P	100	100	27.14	27.14	43.71	0.00	129 (5)	6772 (5)	3242 (5)
5-51-P	100	100	27.14	27.14	6.34	-15.34	197 (8)	6424 (8)	10366 (8)
5-52-P	100	100	27.14	27.14	5.05	-26.66	288 (8)	4774 (8)	15134 (8)
5-53-P	100	100	27.14	27.14	4.05	-38.21	387 (8)	4994 (8)	20335 (8)
5-54-P	100	100	27.14	27.14	5.47	-25.89	280 (8)	5175 (8)	14699 (8)
5-55-P	100	100	27.14	27.14	7.76	-14.39	185 (8)	5248 (8)	9723 (8)
5-56-P	100	100	27.14	27.14	47.76	0.00	120 (5)	6316 (5)	2488 (5)
5-57-P	100	100	27.14	27.14	65.00	0.00	201 (5)	10557 (5)	2592 (5)
5-58-P	100	100	27.14	27.14	78.95	0.00	302 (5)	15882 (5)	3900 (5)
5-59-P	100	100	27.14	27.14	79.76	0.00	308 (5)	16199 (5)	3978 (5)
5-60-P	100	100	27.14	27.14	80.58	0.00	314 (5)	16516 (5)	4056 (5)
5-61-P	100	100	27.14	27.14	68.17	0.00	228 (5)	11984 (5)	2943 (5)
5-62-P	100	100	27.14	27.14	52.46	0.00	130 (5)	6819 (5)	2165 (5)
5-63-P	100	100	27.14	27.14	11.49	-11.74	151 (8)	7769 (8)	7932 (8)
5-64-P	100	100	27.14	27.14	9.19	-21.76	235 (8)	6521 (8)	12354 (8)
5-65-P	100	100	27.14	27.14	7.63	-32.46	329 (8)	6495 (8)	17277 (8)
5-66-P	100	100	27.14	27.14	9.93	-21.00	227 (8)	7047 (8)	11921 (8)
5-67-P	100	100	27.14	27.14	13.38	-10.61	136 (8)	6782 (8)	7171 (8)
5-68-P	100	100	27.14	27.14	53.62	0.00	169 (5)	8879 (5)	2667 (5)
5-69-P	100	100	27.14	27.14	69.22	0.00	276 (5)	14531 (5)	3568 (5)
5-70-P	100	100	27.14	27.14	81.25	0.00	369 (5)	19406 (5)	4765 (5)
5-71-P	100	100	27.14	27.14	78.98	0.00	366 (5)	19237 (5)	4724 (5)
5-72-P	100	100	27.14	27.14	76.72	0.00	363 (5)	19069 (5)	4683 (5)
5-73-P	100	100	27.14	27.14	59.73	0.00	265 (5)	13941 (5)	3423 (5)
5-74-P	100	100	27.14	27.14	39.07	0.00	158 (5)	8307 (5)	3348 (5)
5-75-P	100	100	27.14	27.14	9.64	-10.47	135 (8)	4889 (8)	7075 (8)
5-76-P	100	100	27.14	27.14	5.55	-21.78	220 (8)	3938 (8)	11591 (8)
5-77-P	100	100	27.14	27.14	2.69	-34.26	308 (8)	3980 (8)	16209 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
5-78-P	100	100	27.14	27.14	1.40	-27.45	247 (8)	3189 (8)	12988 (8)
5-79-P	100	100	27.14	27.14	0.55	-21.02	162 (8)	2093 (8)	8523 (8)
5-80-P	100	100	27.14	27.14	0.33	-14.33	111 (8)	1427 (8)	5810 (8)
5-81-P	100	100	27.14	27.14	1.79	-8.17	59 (5)	763 (5)	3107 (5)
6-1-P	100	100	22.62	22.62	3.49	-0.63	30 (8)	1693 (8)	1523 (8)
6-2-P	100	100	22.62	22.62	0.42	-10.48	26 (5)	489 (5)	1474 (5)
6-3-P	100	100	22.62	22.62	0.80	-20.92	87 (5)	1678 (5)	4978 (5)
6-4-P	100	100	22.62	22.62	7.10	-7.10	180 (8)	3444 (8)	10329 (8)
6-5-P	100	100	22.62	22.62	7.40	-39.85	334 (5)	9683 (5)	19145 (5)
6-6-P	100	100	22.62	22.62	22.55	-6.52	193 (8)	10940 (8)	11072 (8)
6-7-P	100	100	22.62	22.62	28.96	-3.65	245 (8)	14050 (8)	4425 (8)
6-8-P	100	100	22.62	22.62	37.67	-0.81	319 (8)	18278 (8)	4074 (8)
6-9-P	100	100	22.62	22.62	58.61	0.00	426 (5)	24385 (5)	5435 (5)
6-10-P	100	100	22.62	22.62	76.82	0.00	519 (5)	29739 (5)	6629 (5)
6-11-P	100	100	22.62	22.62	79.70	0.00	533 (5)	30508 (5)	6800 (5)
6-12-P	100	100	22.62	22.62	82.58	0.00	546 (5)	31276 (5)	6971 (5)
6-13-P	100	100	22.62	22.62	70.62	0.00	486 (5)	27833 (5)	6204 (5)
6-14-P	100	100	22.62	22.62	54.96	0.00	408 (5)	23338 (5)	5202 (5)
6-15-P	100	100	22.62	22.62	41.76	0.00	354 (8)	20261 (8)	4516 (8)
6-16-P	100	100	22.62	22.62	39.31	-0.04	333 (8)	19074 (8)	4251 (8)
6-17-P	100	100	22.62	22.62	41.74	-4.87	354 (8)	20251 (8)	12400 (8)
6-18-P	100	100	22.62	22.62	40.47	-1.65	343 (8)	19635 (8)	5590 (8)
6-19-P	100	100	22.62	22.62	41.80	-0.72	350 (5)	20045 (5)	4468 (5)
6-20-P	100	100	22.62	22.62	57.47	0.00	398 (5)	22820 (5)	5086 (5)
6-21-P	100	100	22.62	22.62	74.40	0.00	477 (5)	27313 (5)	6088 (5)
6-22-P	100	100	22.62	22.62	87.82	0.00	538 (5)	30839 (5)	6874 (5)
6-23-P	100	100	22.62	22.62	87.23	0.00	532 (5)	30495 (5)	6797 (5)
6-24-P	100	100	22.62	22.62	86.65	0.00	526 (5)	30151 (5)	6720 (5)
6-25-P	100	100	22.62	22.62	72.16	0.00	453 (5)	25969 (5)	5788 (5)
6-26-P	100	100	22.62	22.62	54.20	0.00	364 (5)	20827 (5)	4642 (5)
6-27-P	100	100	22.62	22.62	36.92	0.00	301 (5)	17240 (5)	3843 (5)
6-28-P	100	100	22.62	22.62	32.95	-0.54	279 (8)	15985 (8)	3563 (8)
6-29-P	100	100	22.62	22.62	35.09	-5.72	297 (8)	17028 (8)	14561 (8)
6-30-P	100	100	22.62	22.62	32.76	-1.58	278 (8)	15895 (8)	5378 (8)
6-31-P	100	100	22.62	22.62	34.32	0.00	280 (5)	16045 (5)	3576 (5)
6-32-P	100	100	22.62	22.62	50.36	0.00	333 (5)	19052 (5)	4247 (5)
6-33-P	100	100	22.62	22.62	67.13	0.00	413 (5)	23624 (5)	5266 (5)
6-34-P	100	100	22.62	22.62	80.47	0.00	476 (5)	27250 (5)	6074 (5)
6-35-P	100	100	22.62	22.62	80.08	0.00	473 (5)	27086 (5)	6037 (5)
6-36-P	100	100	22.62	22.62	79.70	0.00	470 (5)	26922 (5)	6001 (5)
6-37-P	100	100	22.62	22.62	65.60	0.00	401 (5)	22973 (5)	5121 (5)
6-38-P	100	100	22.62	22.62	48.08	0.00	316 (5)	18077 (5)	4029 (5)
6-39-P	100	100	22.62	22.62	31.31	0.00	258 (5)	14752 (5)	3288 (5)
6-40-P	100	100	22.62	22.62	29.29	-1.41	248 (8)	14209 (8)	4803 (8)
6-41-P	100	100	22.62	22.62	31.92	-6.49	270 (8)	15487 (8)	13217 (8)
6-42-P	100	100	22.62	22.62	29.29	-1.41	248 (8)	14209 (8)	4803 (8)
6-43-P	100	100	22.62	22.62	31.31	0.00	258 (5)	14752 (5)	3288 (5)
6-44-P	100	100	22.62	22.62	48.08	0.00	316 (5)	18077 (5)	4029 (5)
6-45-P	100	100	22.62	22.62	65.60	0.00	401 (5)	22973 (5)	5121 (5)
6-46-P	100	100	22.62	22.62	79.70	0.00	470 (5)	26922 (5)	6001 (5)
6-47-P	100	100	22.62	22.62	80.08	0.00	473 (5)	27086 (5)	6037 (5)
6-48-P	100	100	22.62	22.62	80.47	0.00	476 (5)	27250 (5)	6074 (5)
6-49-P	100	100	22.62	22.62	67.13	0.00	413 (5)	23624 (5)	5266 (5)
6-50-P	100	100	22.62	22.62	50.36	0.00	333 (5)	19052 (5)	4247 (5)
6-51-P	100	100	22.62	22.62	34.32	0.00	280 (5)	16045 (5)	3576 (5)
6-52-P	100	100	22.62	22.62	32.76	-1.58	278 (8)	15895 (8)	5378 (8)
6-53-P	100	100	22.62	22.62	35.09	-5.72	297 (8)	17028 (8)	14561 (8)
6-54-P	100	100	22.62	22.62	32.95	-0.54	279 (8)	15985 (8)	3563 (8)
6-55-P	100	100	22.62	22.62	36.92	0.00	301 (5)	17240 (5)	3843 (5)
6-56-P	100	100	22.62	22.62	54.20	0.00	364 (5)	20827 (5)	4642 (5)
6-57-P	100	100	22.62	22.62	72.16	0.00	453 (5)	25969 (5)	5788 (5)
6-58-P	100	100	22.62	22.62	86.65	0.00	526 (5)	30151 (5)	6720 (5)
6-59-P	100	100	22.62	22.62	87.23	0.00	532 (5)	30495 (5)	6797 (5)
6-60-P	100	100	22.62	22.62	87.82	0.00	538 (5)	30839 (5)	6874 (5)
6-61-P	100	100	22.62	22.62	74.40	0.00	477 (5)	27313 (5)	6088 (5)
6-62-P	100	100	22.62	22.62	57.47	0.00	398 (5)	22820 (5)	5086 (5)
6-63-P	100	100	22.62	22.62	41.80	-0.72	350 (5)	20045 (5)	4468 (5)
6-64-P	100	100	22.62	22.62	40.47	-1.65	343 (8)	19635 (8)	5590 (8)
6-65-P	100	100	22.62	22.62	41.74	-4.87	354 (8)	20251 (8)	12400 (8)
6-66-P	100	100	22.62	22.62	39.31	-0.04	333 (8)	19074 (8)	4251 (8)
6-67-P	100	100	22.62	22.62	41.76	0.00	354 (8)	20261 (8)	4516 (8)
6-68-P	100	100	22.62	22.62	54.96	0.00	408 (5)	23338 (5)	5202 (5)
6-69-P	100	100	22.62	22.62	70.62	0.00	486 (5)	27833 (5)	6204 (5)
6-70-P	100	100	22.62	22.62	82.58	0.00	546 (5)	31276 (5)	6971 (5)
6-71-P	100	100	22.62	22.62	79.70	0.00	533 (5)	30508 (5)	6800 (5)
6-72-P	100	100	22.62	22.62	76.82	0.00	519 (5)	29739 (5)	6629 (5)
6-73-P	100	100	22.62	22.62	58.61	0.00	426 (5)	24385 (5)	5435 (5)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
6-74-P	100	100	22.62	22.62	37.67	-0.81	319 (8)	18278 (8)	4074 (8)
6-75-P	100	100	22.62	22.62	28.96	-3.65	245 (8)	14050 (8)	4425 (8)
6-76-P	100	100	22.62	22.62	22.55	-6.52	193 (8)	10940 (8)	11072 (8)
6-77-P	100	100	22.62	22.62	7.40	-39.85	334 (5)	9683 (5)	19145 (5)
6-78-P	100	100	22.62	22.62	7.10	-7.10	180 (8)	3444 (8)	10329 (8)
6-79-P	100	100	22.62	22.62	0.80	-20.92	87 (5)	1678 (5)	4978 (5)
6-80-P	100	100	22.62	22.62	0.42	-10.48	26 (5)	489 (5)	1474 (5)
6-81-P	100	100	22.62	22.62	3.49	-0.63	30 (8)	1693 (8)	1523 (8)
7-1-P	100	100	22.62	22.62	2.47	-8.21	116 (8)	1479 (8)	6637 (8)
7-2-P	100	100	22.62	22.62	0.51	-18.30	104 (5)	1586 (5)	5971 (5)
7-3-P	100	100	22.62	22.62	11.78	-24.09	204 (8)	5718 (8)	11689 (8)
7-4-P	100	100	22.62	22.62	0.00	-96.77	525 (5)	6699 (5)	30052 (5)
7-5-P	100	100	22.62	22.62	0.00	-162.56	937 (5)	11966 (5)	53683 (5)
7-6-P	100	100	22.62	22.62	0.09	-89.53	489 (5)	6247 (5)	28027 (5)
7-7-P	100	100	22.62	22.62	29.97	-28.60	254 (8)	14544 (8)	13877 (8)
7-8-P	100	100	22.62	22.62	42.41	-8.79	359 (8)	20578 (8)	4587 (8)
7-9-P	100	100	22.62	22.62	54.60	-0.24	424 (5)	24290 (5)	5414 (5)
7-10-P	100	100	22.62	22.62	75.71	0.00	539 (5)	30868 (5)	6881 (5)
7-11-P	100	100	22.62	22.62	78.86	0.00	558 (5)	31953 (5)	7122 (5)
7-12-P	100	100	22.62	22.62	82.01	0.00	577 (5)	33037 (5)	7364 (5)
7-13-P	100	100	22.62	22.62	66.80	0.00	498 (5)	28543 (5)	6362 (5)
7-14-P	100	100	22.62	22.62	47.01	0.00	396 (5)	22654 (5)	5050 (5)
7-15-P	100	100	22.62	22.62	19.41	-0.29	164 (8)	9418 (8)	2099 (8)
7-16-P	100	100	22.62	22.62	0.00	-58.00	269 (5)	3432 (5)	15397 (5)
7-17-P	100	100	22.62	22.62	0.00	-124.52	698 (5)	8914 (5)	39991 (5)
7-18-P	100	100	22.62	22.62	5.05	-36.42	309 (8)	6438 (8)	17671 (8)
7-19-P	100	100	22.62	22.62	35.01	-15.46	297 (8)	16986 (8)	7500 (8)
7-20-P	100	100	22.62	22.62	51.85	-0.26	408 (5)	23373 (5)	5210 (5)
7-21-P	100	100	22.62	22.62	73.26	0.00	512 (5)	29318 (5)	6535 (5)
7-22-P	100	100	22.62	22.62	90.51	0.00	598 (5)	34230 (5)	7630 (5)
7-23-P	100	100	22.62	22.62	90.07	0.00	592 (5)	33920 (5)	7561 (5)
7-24-P	100	100	22.62	22.62	89.62	0.00	587 (5)	33610 (5)	7492 (5)
7-25-P	100	100	22.62	22.62	71.60	0.00	491 (5)	28122 (5)	6268 (5)
7-26-P	100	100	22.62	22.62	49.19	0.00	373 (5)	21339 (5)	4756 (5)
7-27-P	100	100	22.62	22.62	20.20	-5.31	171 (8)	9802 (8)	2849 (8)
7-28-P	100	100	22.62	22.62	0.00	-59.82	318 (5)	4064 (5)	18232 (5)
7-29-P	100	100	22.62	22.62	0.00	-128.07	751 (5)	9584 (5)	42998 (5)
7-30-P	100	100	22.62	22.62	0.01	-61.11	345 (5)	4408 (5)	19778 (5)
7-31-P	100	100	22.62	22.62	26.69	-14.34	226 (8)	12949 (8)	6958 (8)
7-32-P	100	100	22.62	22.62	45.44	0.00	341 (5)	19522 (5)	4351 (5)
7-33-P	100	100	22.62	22.62	66.72	0.00	449 (5)	25714 (5)	5732 (5)
7-34-P	100	100	22.62	22.62	83.66	0.00	535 (5)	30644 (5)	6830 (5)
7-35-P	100	100	22.62	22.62	83.25	0.00	532 (5)	30466 (5)	6791 (5)
7-36-P	100	100	22.62	22.62	82.85	0.00	529 (5)	30288 (5)	6751 (5)
7-37-P	100	100	22.62	22.62	65.12	0.00	437 (5)	25009 (5)	5574 (5)
7-38-P	100	100	22.62	22.62	43.06	0.00	322 (5)	18453 (5)	4113 (5)
7-39-P	100	100	22.62	22.62	21.58	-12.11	183 (8)	10470 (8)	5874 (8)
7-40-P	100	100	22.62	22.62	0.00	-64.94	365 (5)	4659 (5)	20901 (5)
7-41-P	100	100	22.62	22.62	0.00	-132.62	786 (5)	10039 (5)	45039 (5)
7-42-P	100	100	22.62	22.62	0.00	-64.94	365 (5)	4659 (5)	20901 (5)
7-43-P	100	100	22.62	22.62	21.58	-12.11	183 (8)	10470 (8)	5874 (8)
7-44-P	100	100	22.62	22.62	43.06	0.00	322 (5)	18453 (5)	4113 (5)
7-45-P	100	100	22.62	22.62	65.12	0.00	437 (5)	25009 (5)	5574 (5)
7-46-P	100	100	22.62	22.62	82.85	0.00	529 (5)	30288 (5)	6751 (5)
7-47-P	100	100	22.62	22.62	83.25	0.00	532 (5)	30466 (5)	6791 (5)
7-48-P	100	100	22.62	22.62	83.66	0.00	535 (5)	30644 (5)	6830 (5)
7-49-P	100	100	22.62	22.62	66.72	0.00	449 (5)	25714 (5)	5732 (5)
7-50-P	100	100	22.62	22.62	45.44	0.00	341 (5)	19522 (5)	4351 (5)
7-51-P	100	100	22.62	22.62	26.69	-14.34	226 (8)	12949 (8)	6958 (8)
7-52-P	100	100	22.62	22.62	0.01	-61.11	345 (5)	4408 (5)	19778 (5)
7-53-P	100	100	22.62	22.62	0.00	-128.07	751 (5)	9584 (5)	42998 (5)
7-54-P	100	100	22.62	22.62	0.00	-59.82	318 (5)	4064 (5)	18232 (5)
7-55-P	100	100	22.62	22.62	20.20	-5.31	171 (8)	9802 (8)	2849 (8)
7-56-P	100	100	22.62	22.62	49.19	0.00	373 (5)	21339 (5)	4756 (5)
7-57-P	100	100	22.62	22.62	71.60	0.00	491 (5)	28122 (5)	6268 (5)
7-58-P	100	100	22.62	22.62	89.62	0.00	587 (5)	33610 (5)	7492 (5)
7-59-P	100	100	22.62	22.62	90.07	0.00	592 (5)	33920 (5)	7561 (5)
7-60-P	100	100	22.62	22.62	90.51	0.00	598 (5)	34230 (5)	7630 (5)
7-61-P	100	100	22.62	22.62	73.26	0.00	512 (5)	29318 (5)	6535 (5)
7-62-P	100	100	22.62	22.62	51.85	-0.26	408 (5)	23373 (5)	5210 (5)
7-63-P	100	100	22.62	22.62	35.01	-15.46	297 (8)	16986 (8)	7500 (8)
7-64-P	100	100	22.62	22.62	5.05	-36.42	309 (8)	6438 (8)	17671 (8)
7-65-P	100	100	22.62	22.62	0.00	-124.52	698 (5)	8914 (5)	39991 (5)
7-66-P	100	100	22.62	22.62	0.00	-58.00	269 (5)	3432 (5)	15397 (5)
7-67-P	100	100	22.62	22.62	19.41	-0.29	164 (8)	9418 (8)	2099 (8)
7-68-P	100	100	22.62	22.62	47.01	0.00	396 (5)	22654 (5)	5050 (5)
7-69-P	100	100	22.62	22.62	66.80	0.00	498 (5)	28543 (5)	6362 (5)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
7-70-P	100	100	22.62	22.62	82.01	0.00	577 (5)	33037 (5)	7364 (5)
7-71-P	100	100	22.62	22.62	78.86	0.00	558 (5)	31953 (5)	7122 (5)
7-72-P	100	100	22.62	22.62	75.71	0.00	539 (5)	30868 (5)	6881 (5)
7-73-P	100	100	22.62	22.62	54.60	-0.24	424 (5)	24290 (5)	5414 (5)
7-74-P	100	100	22.62	22.62	42.41	-8.79	359 (8)	20578 (8)	4587 (8)
7-75-P	100	100	22.62	22.62	29.97	-28.60	254 (8)	14544 (8)	13877 (8)
7-76-P	100	100	22.62	22.62	0.09	-89.53	489 (5)	6247 (5)	28027 (5)
7-77-P	100	100	22.62	22.62	0.00	-162.56	937 (5)	11966 (5)	53683 (5)
7-78-P	100	100	22.62	22.62	0.00	-96.77	525 (5)	6699 (5)	30052 (5)
7-79-P	100	100	22.62	22.62	11.78	-24.09	204 (8)	5718 (8)	11689 (8)
7-80-P	100	100	22.62	22.62	0.51	-18.30	104 (5)	1586 (5)	5971 (5)
7-81-P	100	100	22.62	22.62	2.47	-8.21	116 (8)	1479 (8)	6637 (8)
8-1-S	100	100	22.62	27.14	8.75	-12.07	180 (8)	10591 (8)	4910 (8)
8-2-S	100	100	22.62	27.14	13.62	-19.27	280 (8)	16478 (8)	7839 (8)
8-3-S	100	100	22.62	27.14	19.89	-25.44	264 (8)	15545 (8)	10347 (8)
8-4-S	100	100	22.62	27.14	0.05	-127.82	1014 (8)	13137 (8)	51985 (8)
8-5-S	100	100	22.62	27.14	0.97	-201.85	1602 (8)	20745 (8)	82092 (8)
8-6-S	100	100	22.62	27.14	0.00	-81.97	651 (8)	8425 (8)	33338 (8)
8-7-S	100	100	22.62	27.14	247.78	0.00	491 (5)	6360 (5)	25169 (5)
8-8-S	100	100	22.62	27.14	236.17	-0.01	334 (5)	4319 (5)	17092 (5)
8-9-S	100	100	22.62	27.14	215.33	-0.01	372 (5)	19295 (5)	19056 (5)
8-10-S	100	100	22.62	27.14	28.49	-57.61	492 (8)	28950 (8)	23430 (8)
8-11-S	100	100	22.62	27.14	0.01	-100.35	796 (8)	10313 (8)	40810 (8)
8-12-S	100	100	22.62	27.14	0.94	-172.49	1369 (8)	17728 (8)	70151 (8)
8-13-S	100	100	22.62	27.14	0.02	-135.98	1079 (8)	13975 (8)	55301 (8)
8-14-S	100	100	22.62	27.14	0.00	-100.36	796 (8)	10314 (8)	40814 (8)
8-15-S	100	100	22.62	27.14	0.00	-58.41	464 (8)	6003 (8)	23757 (8)
8-16-S	100	100	22.62	27.14	134.47	-0.42	53 (5)	3096 (5)	2623 (5)
8-17-S	100	100	22.62	27.14	154.93	-0.13	457 (5)	26874 (5)	5809 (5)
8-18-S	100	100	22.62	27.14	158.25	-0.07	787 (5)	46308 (5)	10011 (5)
8-19-S	100	100	22.62	27.14	150.40	-0.08	1033 (5)	60755 (5)	13134 (5)
8-20-S	100	100	22.62	27.14	155.40	0.00	1278 (8)	75204 (8)	16257 (8)
8-21-S	100	100	22.62	27.14	120.52	-0.13	991 (8)	58325 (8)	12609 (8)
8-22-S	100	100	22.62	27.14	79.33	-1.15	653 (8)	38390 (8)	8299 (8)
8-23-S	100	100	22.62	27.14	48.77	-13.15	527 (8)	30976 (8)	6696 (8)
8-24-S	100	100	22.62	27.14	26.29	-34.63	349 (8)	20551 (8)	14085 (8)
8-25-S	100	100	22.62	27.14	17.31	-31.50	250 (8)	13961 (8)	12809 (8)
8-26-S	100	100	22.62	27.14	9.82	-9.11	135 (8)	7919 (8)	4633 (8)
9-1-S	100	100	22.62	27.14	11.51	-7.20	95 (8)	5569 (8)	2928 (8)
9-2-S	100	100	22.62	27.14	17.60	-13.89	241 (8)	14196 (8)	5649 (8)
9-3-S	100	100	22.62	27.14	24.98	-21.94	332 (8)	19530 (8)	8924 (8)
9-4-S	100	100	22.62	27.14	0.04	-146.85	1165 (8)	15092 (8)	59723 (8)
9-5-S	100	100	22.62	27.14	0.76	-237.81	1887 (8)	24440 (8)	96714 (8)
9-6-S	100	100	22.62	27.14	0.00	-146.62	1164 (8)	15069 (8)	59629 (8)
9-7-S	100	100	22.62	27.14	0.00	-109.30	867 (8)	11233 (8)	44450 (8)
9-8-S	100	100	22.62	27.14	0.48	-72.46	575 (8)	7447 (8)	29468 (8)
9-9-S	100	100	22.62	27.14	14.06	-64.83	514 (8)	11907 (8)	26364 (8)
9-10-S	100	100	22.62	27.14	35.50	-65.05	516 (8)	22547 (8)	26457 (8)
9-11-S	100	100	22.62	27.14	3.42	-100.42	797 (8)	10320 (8)	40839 (8)
9-12-S	100	100	22.62	27.14	6.81	-171.26	1359 (8)	17600 (8)	69647 (8)
9-13-S	100	100	22.62	27.14	4.61	-131.25	1042 (8)	13489 (8)	53379 (8)
9-14-S	100	100	22.62	27.14	2.43	-91.27	724 (8)	9380 (8)	37117 (8)
9-15-S	100	100	22.62	27.14	2.05	-48.67	386 (8)	5002 (8)	19792 (8)
9-16-S	100	100	22.62	27.14	139.42	-0.08	120 (5)	7071 (5)	3553 (5)
9-17-S	100	100	22.62	27.14	157.65	0.00	482 (5)	28337 (5)	6126 (5)
9-18-S	100	100	22.62	27.14	160.99	0.00	793 (5)	46630 (5)	10080 (5)
9-19-S	100	100	22.62	27.14	154.34	0.00	1025 (5)	60315 (5)	13039 (5)
9-20-S	100	100	22.62	27.14	152.92	0.00	1258 (8)	74000 (8)	15997 (8)
9-21-S	100	100	22.62	27.14	118.06	-0.74	971 (8)	57134 (8)	12351 (8)
9-22-S	100	100	22.62	27.14	80.85	-6.21	665 (8)	39128 (8)	8458 (8)
9-23-S	100	100	22.62	27.14	54.70	-22.94	562 (8)	33089 (8)	9328 (8)
9-24-S	100	100	22.62	27.14	32.00	-43.61	439 (8)	25808 (8)	22169 (8)
9-25-S	100	100	22.62	27.14	20.41	-39.86	316 (8)	16459 (8)	16209 (8)
9-26-S	100	100	22.62	27.14	13.27	-16.86	136 (8)	8025 (8)	6858 (8)
10-1-S	100	100	22.62	31.67	0.20	-8.10	61 (8)	797 (8)	2840 (8)
10-2-S	100	100	22.62	31.67	0.22	-6.08	46 (8)	598 (8)	2130 (8)
10-3-S	100	100	22.62	31.67	0.25	-4.06	38 (8)	500 (8)	1779 (8)
10-4-S	100	100	22.62	31.67	0.09	-11.37	85 (8)	1119 (8)	3984 (8)
10-5-S	100	100	22.62	31.67	0.18	-18.92	142 (8)	1862 (8)	6632 (8)
10-6-S	100	100	22.62	31.67	0.00	-225.01	1691 (8)	22143 (8)	78855 (8)
10-7-S	100	100	22.62	31.67	0.00	-183.96	1383 (8)	18104 (8)	64469 (8)
10-8-S	100	100	22.62	31.67	0.00	-142.91	1074 (8)	14064 (8)	50084 (8)
10-9-S	100	100	22.62	31.67	0.12	-121.25	911 (8)	11932 (8)	42492 (8)
10-10-S	100	100	22.62	31.67	0.93	-100.26	754 (8)	9867 (8)	35138 (8)
10-11-S	100	100	22.62	31.67	1.35	-85.61	643 (8)	8425 (8)	30002 (8)
10-12-S	100	100	22.62	31.67	2.00	-71.17	535 (8)	7004 (8)	24942 (8)
10-13-S	100	100	22.62	31.67	2.85	-50.74	381 (8)	4994 (8)	17783 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
10-14-S	100	100	22.62	31.67	141.85	0.00	235 (5)	3076 (5)	10953 (5)
10-15-S	100	100	22.62	31.67	141.72	0.00	91 (5)	4210 (5)	4252 (5)
10-16-S	100	100	22.62	31.67	143.12	0.00	194 (5)	11699 (5)	2454 (5)
10-17-S	100	100	22.62	31.67	144.51	0.00	415 (5)	25046 (5)	5254 (5)
10-18-S	100	100	22.62	31.67	138.56	0.00	564 (5)	34041 (5)	7140 (5)
10-19-S	100	100	22.62	31.67	127.70	0.00	665 (5)	40135 (5)	8419 (5)
10-20-S	100	100	22.62	31.67	116.85	0.00	765 (5)	46230 (5)	9697 (5)
10-21-S	100	100	22.62	31.67	95.63	0.00	687 (5)	41511 (5)	8707 (5)
10-22-S	100	100	22.62	31.67	73.72	0.00	589 (8)	35590 (8)	7465 (8)
10-23-S	100	100	22.62	31.67	59.26	0.00	474 (8)	28611 (8)	6001 (8)
10-24-S	100	100	22.62	31.67	36.04	0.00	288 (8)	17399 (8)	3650 (8)
10-25-S	100	100	22.62	31.67	19.82	0.00	158 (8)	9568 (8)	2007 (8)
10-26-S	100	100	22.62	31.67	8.27	0.00	66 (8)	3991 (8)	837 (8)
11-1-S	100	100	22.62	31.67	11.04	-7.23	88 (8)	5331 (8)	2533 (8)
11-2-S	100	100	22.62	31.67	15.49	-13.50	206 (8)	12460 (8)	4731 (8)
11-3-S	100	100	22.62	31.67	21.15	-21.06	254 (8)	15316 (8)	7381 (8)
11-4-S	100	100	22.62	31.67	0.04	-139.04	1045 (8)	13683 (8)	48727 (8)
11-5-S	100	100	22.62	31.67	0.72	-220.44	1657 (8)	21693 (8)	77253 (8)
11-6-S	100	100	22.62	31.67	0.00	-224.86	1690 (8)	22128 (8)	78803 (8)
11-7-S	100	100	22.62	31.67	0.00	-175.74	1321 (8)	17295 (8)	61589 (8)
11-8-S	100	100	22.62	31.67	0.00	-126.63	952 (8)	12461 (8)	44376 (8)
11-9-S	100	100	22.62	31.67	0.51	-96.01	722 (8)	9449 (8)	33648 (8)
11-10-S	100	100	22.62	31.67	16.63	-81.00	609 (8)	28095 (8)	28386 (8)
11-11-S	100	100	22.62	31.67	0.02	-121.64	914 (8)	11970 (8)	42628 (8)
11-12-S	100	100	22.62	31.67	0.91	-179.77	1351 (8)	17692 (8)	63002 (8)
11-13-S	100	100	22.62	31.67	0.13	-136.89	1029 (8)	13472 (8)	47975 (8)
11-14-S	100	100	22.62	31.67	0.25	-94.91	713 (8)	9340 (8)	33262 (8)
11-15-S	100	100	22.62	31.67	2.25	-51.31	386 (8)	5049 (8)	17980 (8)
11-16-S	100	100	22.62	31.67	138.67	0.00	112 (5)	6777 (5)	3265 (5)
11-17-S	100	100	22.62	31.67	158.95	0.00	468 (5)	28252 (5)	5926 (5)
11-18-S	100	100	22.62	31.67	163.12	0.00	773 (5)	46683 (5)	9792 (5)
11-19-S	100	100	22.62	31.67	156.56	0.00	995 (5)	60084 (5)	12603 (5)
11-20-S	100	100	22.62	31.67	152.21	0.00	1217 (8)	73485 (8)	15414 (8)
11-21-S	100	100	22.62	31.67	117.33	0.00	938 (8)	56645 (8)	11882 (8)
11-22-S	100	100	22.62	31.67	75.64	-0.15	605 (8)	36517 (8)	7660 (8)
11-23-S	100	100	22.62	31.67	43.87	-10.49	438 (8)	26477 (8)	9188 (8)
11-24-S	100	100	22.62	31.67	27.08	-36.59	688 (8)	21786 (8)	32060 (8)
11-25-S	100	100	22.62	31.67	15.91	-33.84	424 (8)	12799 (8)	19765 (8)
11-26-S	100	100	22.62	31.67	7.37	-10.72	134 (8)	5926 (8)	6262 (8)
12-1-S	100	100	22.62	31.67	11.10	-7.37	89 (8)	5357 (8)	2581 (8)
12-2-S	100	100	22.62	31.67	15.52	-13.50	207 (8)	12489 (8)	4732 (8)
12-3-S	100	100	22.62	31.67	21.20	-20.96	254 (8)	15351 (8)	7344 (8)
12-4-S	100	100	22.62	31.67	0.04	-138.73	1043 (8)	13653 (8)	48620 (8)
12-5-S	100	100	22.62	31.67	0.73	-220.00	1653 (8)	21650 (8)	77099 (8)
12-6-S	100	100	22.62	31.67	0.00	-247.13	1857 (8)	24320 (8)	86608 (8)
12-7-S	100	100	22.62	31.67	0.00	-196.10	1474 (8)	19299 (8)	68725 (8)
12-8-S	100	100	22.62	31.67	0.00	-145.08	1090 (8)	14277 (8)	50842 (8)
12-9-S	100	100	22.62	31.67	0.52	-112.34	844 (8)	11055 (8)	39370 (8)
12-10-S	100	100	22.62	31.67	16.62	-95.20	715 (8)	28090 (8)	33361 (8)
12-11-S	100	100	22.62	31.67	0.41	-134.24	1009 (8)	13210 (8)	47044 (8)
12-12-S	100	100	22.62	31.67	3.03	-192.11	1444 (8)	18906 (8)	67325 (8)
12-13-S	100	100	22.62	31.67	1.72	-147.08	1105 (8)	14474 (8)	51544 (8)
12-14-S	100	100	22.62	31.67	0.53	-102.17	768 (8)	10054 (8)	35805 (8)
12-15-S	100	100	22.62	31.67	0.38	-54.94	413 (8)	5406 (8)	19253 (8)
12-16-S	100	100	22.62	31.67	134.40	0.00	84 (5)	4498 (5)	3928 (5)
12-17-S	100	100	22.62	31.67	155.96	0.00	442 (5)	26684 (5)	5597 (5)
12-18-S	100	100	22.62	31.67	161.05	0.00	754 (5)	45524 (5)	9549 (5)
12-19-S	100	100	22.62	31.67	155.17	0.00	981 (5)	59244 (5)	12427 (5)
12-20-S	100	100	22.62	31.67	151.14	0.00	1208 (8)	72965 (8)	15305 (8)
12-21-S	100	100	22.62	31.67	116.62	0.00	932 (8)	56302 (8)	11810 (8)
12-22-S	100	100	22.62	31.67	78.28	-3.16	626 (8)	37789 (8)	7927 (8)
12-23-S	100	100	22.62	31.67	51.84	-18.55	518 (8)	31284 (8)	8126 (8)
12-24-S	100	100	22.62	31.67	29.69	-39.22	491 (8)	23890 (8)	22907 (8)
12-25-S	100	100	22.62	31.67	18.30	-36.19	453 (8)	14722 (8)	21137 (8)
12-26-S	100	100	22.62	31.67	10.96	-14.24	134 (8)	6611 (8)	6237 (8)
13-1-S	100	100	22.62	31.67	0.23	-5.84	44 (8)	575 (8)	2048 (8)
13-2-S	100	100	22.62	31.67	0.17	-4.38	33 (8)	431 (8)	1534 (8)
13-3-S	100	100	22.62	31.67	0.97	-3.77	71 (8)	927 (8)	3302 (8)
13-4-S	100	100	22.62	31.67	0.13	-7.60	57 (8)	748 (8)	2664 (8)
13-5-S	100	100	22.62	31.67	0.31	-12.45	94 (8)	1225 (8)	4362 (8)
13-6-S	100	100	22.62	31.67	0.00	-294.75	2215 (8)	29007 (8)	103297 (8)
13-7-S	100	100	22.62	31.67	0.00	-247.00	1856 (8)	24307 (8)	86561 (8)
13-8-S	100	100	22.62	31.67	0.00	-199.24	1497 (8)	19607 (8)	69825 (8)
13-9-S	100	100	22.62	31.67	0.00	-170.28	1280 (8)	16757 (8)	59676 (8)
13-10-S	100	100	22.62	31.67	0.04	-141.36	1062 (8)	13911 (8)	49540 (8)
13-11-S	100	100	22.62	31.67	0.15	-119.94	901 (8)	11804 (8)	42034 (8)
13-12-S	100	100	22.62	31.67	0.34	-98.60	741 (8)	9703 (8)	34553 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
13-13-S	100	100	22.62	31.67	0.47	-72.49	545 (8)	7134 (8)	25404 (8)
13-14-S	100	100	22.62	31.67	0.89	-46.66	351 (8)	4592 (8)	16353 (8)
13-15-S	100	100	22.62	31.67	126.82	0.00	153 (5)	2005 (5)	7140 (5)
13-16-S	100	100	22.62	31.67	131.77	0.00	101 (5)	6082 (5)	1276 (5)
13-17-S	100	100	22.62	31.67	136.72	0.00	347 (5)	20934 (5)	4391 (5)
13-18-S	100	100	22.62	31.67	133.29	0.00	514 (5)	31026 (5)	6508 (5)
13-19-S	100	100	22.62	31.67	124.29	0.00	628 (5)	37944 (5)	7959 (5)
13-20-S	100	100	22.62	31.67	115.28	0.00	743 (5)	44862 (5)	9410 (5)
13-21-S	100	100	22.62	31.67	94.89	0.00	672 (5)	40603 (5)	8517 (5)
13-22-S	100	100	22.62	31.67	73.23	0.00	581 (5)	35101 (5)	7363 (5)
13-23-S	100	100	22.62	31.67	58.99	0.00	472 (8)	28477 (8)	5973 (8)
13-24-S	100	100	22.62	31.67	35.96	0.00	287 (8)	17361 (8)	3642 (8)
13-25-S	100	100	22.62	31.67	19.84	0.00	159 (8)	9577 (8)	2009 (8)
13-26-S	100	100	22.62	31.67	8.32	0.00	66 (8)	4015 (8)	842 (8)
14-1-S	100	100	22.62	31.67	9.99	-10.09	133 (8)	8036 (8)	3536 (8)
14-2-S	100	100	22.62	31.67	22.98	-16.89	297 (8)	17921 (8)	5920 (8)
14-3-S	100	100	22.62	31.67	36.30	-23.99	508 (8)	30665 (8)	8407 (8)
14-4-S	100	100	22.62	31.67	0.01	-93.68	704 (8)	9220 (8)	32832 (8)
14-5-S	100	100	22.62	31.67	2.52	-105.37	792 (8)	10369 (8)	36926 (8)
14-6-S	100	100	22.62	31.67	0.00	-273.53	2056 (8)	26918 (8)	95860 (8)
14-7-S	100	100	22.62	31.67	0.00	-220.97	1661 (8)	21746 (8)	77440 (8)
14-8-S	100	100	22.62	31.67	0.00	-168.41	1266 (8)	16573 (8)	59020 (8)
14-9-S	100	100	22.62	31.67	0.00	-133.28	1002 (8)	13116 (8)	46709 (8)
14-10-S	100	100	22.62	31.67	9.55	-107.71	809 (8)	24216 (8)	37746 (8)
14-11-S	100	100	22.62	31.67	0.00	-151.43	1138 (8)	14902 (8)	53069 (8)
14-12-S	100	100	22.62	31.67	0.92	-205.62	1545 (8)	20236 (8)	72062 (8)
14-13-S	100	100	22.62	31.67	0.15	-159.30	1197 (8)	15677 (8)	55829 (8)
14-14-S	100	100	22.62	31.67	0.01	-113.60	854 (8)	11179 (8)	39811 (8)
14-15-S	100	100	22.62	31.67	0.18	-64.94	488 (8)	6391 (8)	22759 (8)
14-16-S	100	100	22.62	31.67	124.75	0.00	92 (5)	3212 (5)	4303 (5)
14-17-S	100	100	22.62	31.67	148.27	0.00	385 (5)	23270 (5)	4881 (5)
14-18-S	100	100	22.62	31.67	154.97	0.00	708 (5)	42759 (5)	8969 (5)
14-19-S	100	100	22.62	31.67	150.44	0.00	945 (5)	57045 (5)	11966 (5)
14-20-S	100	100	22.62	31.67	147.76	0.00	1181 (8)	71335 (8)	14963 (8)
14-21-S	100	100	22.62	31.67	114.07	0.00	912 (8)	55071 (8)	11552 (8)
14-22-S	100	100	22.62	31.67	73.45	-0.10	587 (8)	35461 (8)	7438 (8)
14-23-S	100	100	22.62	31.67	44.95	-12.70	449 (8)	27129 (8)	7417 (8)
14-24-S	100	100	22.62	31.67	27.47	-37.55	470 (8)	22105 (8)	21933 (8)
14-25-S	100	100	22.62	31.67	16.54	-34.67	434 (8)	13308 (8)	20249 (8)
14-26-S	100	100	22.62	31.67	7.99	-11.32	142 (8)	6432 (8)	6610 (8)
15-1-S	100	100	22.62	31.67	14.32	-7.05	114 (8)	6913 (8)	2471 (8)
15-2-S	100	100	22.62	31.67	24.52	-14.89	274 (8)	16569 (8)	5219 (8)
15-3-S	100	100	22.62	31.67	36.53	-24.54	511 (8)	30861 (8)	8599 (8)
15-4-S	100	100	22.62	31.67	0.04	-125.38	942 (8)	12338 (8)	43938 (8)
15-5-S	100	100	22.62	31.67	1.04	-176.28	1325 (8)	17348 (8)	61778 (8)
15-6-S	100	100	22.62	31.67	0.00	-280.69	2110 (8)	27623 (8)	98370 (8)
15-7-S	100	100	22.62	31.67	0.00	-227.87	1713 (8)	22424 (8)	79857 (8)
15-8-S	100	100	22.62	31.67	0.00	-175.04	1316 (8)	17226 (8)	61343 (8)
15-9-S	100	100	22.62	31.67	0.00	-139.53	1049 (8)	13731 (8)	48898 (8)
15-10-S	100	100	22.62	31.67	9.51	-113.53	853 (8)	24107 (8)	39787 (8)
15-11-S	100	100	22.62	31.67	0.00	-156.85	1179 (8)	15435 (8)	54968 (8)
15-12-S	100	100	22.62	31.67	1.47	-211.14	1587 (8)	20779 (8)	73996 (8)
15-13-S	100	100	22.62	31.67	0.48	-164.13	1234 (8)	16153 (8)	57522 (8)
15-14-S	100	100	22.62	31.67	0.02	-117.66	884 (8)	11579 (8)	41235 (8)
15-15-S	100	100	22.62	31.67	0.00	-68.35	514 (8)	6727 (8)	23954 (8)
15-16-S	100	100	22.62	31.67	121.00	0.00	117 (5)	1531 (5)	5451 (5)
15-17-S	100	100	22.62	31.67	145.10	0.00	364 (5)	21973 (5)	4609 (5)
15-18-S	100	100	22.62	31.67	152.34	0.00	690 (5)	41663 (5)	8739 (5)
15-19-S	100	100	22.62	31.67	148.30	0.00	930 (5)	56139 (5)	11776 (5)
15-20-S	100	100	22.62	31.67	146.28	0.00	1169 (8)	70620 (8)	14813 (8)
15-21-S	100	100	22.62	31.67	112.91	0.00	903 (8)	54509 (8)	11434 (8)
15-22-S	100	100	22.62	31.67	74.17	-1.67	593 (8)	35806 (8)	7510 (8)
15-23-S	100	100	22.62	31.67	48.25	-16.55	482 (8)	29118 (8)	7252 (8)
15-24-S	100	100	22.62	31.67	28.53	-38.93	488 (8)	22958 (8)	22737 (8)
15-25-S	100	100	22.62	31.67	17.49	-35.78	448 (8)	14073 (8)	20896 (8)
15-26-S	100	100	22.62	31.67	9.55	-12.92	127 (8)	7684 (8)	5662 (8)
16-1-S	100	100	22.62	31.67	0.23	-7.48	56 (8)	736 (8)	2622 (8)
16-2-S	100	100	22.62	31.67	0.21	-5.60	42 (8)	551 (8)	1962 (8)
16-3-S	100	100	22.62	31.67	0.86	-4.39	55 (8)	720 (8)	2564 (8)
16-4-S	100	100	22.62	31.67	0.12	-8.84	66 (8)	870 (8)	3097 (8)
16-5-S	100	100	22.62	31.67	0.29	-14.19	107 (8)	1396 (8)	4973 (8)
16-6-S	100	100	22.62	31.67	0.00	-317.04	2383 (8)	31200 (8)	111109 (8)
16-7-S	100	100	22.62	31.67	0.00	-268.37	2017 (8)	26410 (8)	94050 (8)
16-8-S	100	100	22.62	31.67	0.00	-219.69	1651 (8)	21620 (8)	76992 (8)
16-9-S	100	100	22.62	31.67	0.00	-189.47	1424 (8)	18646 (8)	66401 (8)
16-10-S	100	100	22.62	31.67	0.00	-159.25	1197 (8)	15672 (8)	55811 (8)
16-11-S	100	100	22.62	31.67	0.02	-136.29	1024 (8)	13412 (8)	47762 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
16-12-S	100	100	22.62	31.67	0.08	-113.36	852 (8)	11156 (8)	39729 (8)
16-13-S	100	100	22.62	31.67	0.05	-85.64	644 (8)	8428 (8)	30012 (8)
16-14-S	100	100	22.62	31.67	0.05	-57.94	435 (8)	5702 (8)	20304 (8)
16-15-S	100	100	22.62	31.67	113.98	0.00	218 (5)	2851 (5)	10154 (5)
16-16-S	100	100	22.62	31.67	120.76	0.00	26 (5)	1597 (5)	335 (5)
16-17-S	100	100	22.62	31.67	127.53	0.00	283 (5)	17119 (5)	3591 (5)
16-18-S	100	100	22.62	31.67	125.70	0.00	461 (5)	27822 (5)	5836 (5)
16-19-S	100	100	22.62	31.67	118.15	0.00	585 (5)	35313 (5)	7407 (5)
16-20-S	100	100	22.62	31.67	110.60	0.00	709 (5)	42803 (5)	8978 (5)
16-21-S	100	100	22.62	31.67	91.28	0.00	646 (5)	38993 (5)	8179 (5)
16-22-S	100	100	22.62	31.67	70.65	0.00	562 (5)	33927 (5)	7116 (5)
16-23-S	100	100	22.62	31.67	57.41	0.00	459 (8)	27717 (8)	5814 (8)
16-24-S	100	100	22.62	31.67	35.08	0.00	280 (8)	16934 (8)	3552 (8)
16-25-S	100	100	22.62	31.67	19.41	0.00	155 (8)	9369 (8)	1965 (8)
16-26-S	100	100	22.62	31.67	8.18	0.00	65 (8)	3948 (8)	828 (8)
17-1-S	100	100	27.14	31.67	9.99	-10.00	125 (8)	6734 (8)	3492 (8)
17-2-S	100	100	27.14	31.67	22.96	-16.86	278 (8)	15002 (8)	5891 (8)
17-3-S	100	100	27.14	31.67	36.26	-24.02	476 (8)	25663 (8)	8392 (8)
17-4-S	100	100	27.14	31.67	0.01	-93.95	687 (8)	8971 (8)	32826 (8)
17-5-S	100	100	27.14	31.67	2.40	-105.73	773 (8)	10095 (8)	36940 (8)
17-6-S	100	100	27.14	31.67	0.00	-287.09	2099 (8)	27412 (8)	100307 (8)
17-7-S	100	100	27.14	31.67	0.00	-234.09	1712 (8)	22351 (8)	81790 (8)
17-8-S	100	100	27.14	31.67	0.00	-181.09	1324 (8)	17291 (8)	63272 (8)
17-9-S	100	100	27.14	31.67	0.00	-145.30	1062 (8)	13873 (8)	50766 (8)
17-10-S	100	100	27.14	31.67	7.95	-117.45	859 (8)	16875 (8)	41037 (8)
17-11-S	100	100	27.14	31.67	0.00	-161.97	1184 (8)	15465 (8)	56590 (8)
17-12-S	100	100	27.14	31.67	1.01	-215.44	1575 (8)	20570 (8)	75272 (8)
17-13-S	100	100	27.14	31.67	0.20	-168.22	1230 (8)	16062 (8)	58774 (8)
17-14-S	100	100	27.14	31.67	0.00	-121.62	889 (8)	11612 (8)	42491 (8)
17-15-S	100	100	27.14	31.67	0.01	-71.93	526 (8)	6868 (8)	25131 (8)
17-16-S	100	100	27.14	31.67	117.09	0.00	108 (5)	1414 (5)	5175 (5)
17-17-S	100	100	27.14	31.67	141.76	0.00	321 (5)	17293 (5)	4128 (5)
17-18-S	100	100	27.14	31.67	149.51	0.00	630 (5)	33949 (5)	8104 (5)
17-19-S	100	100	27.14	31.67	145.95	0.00	858 (5)	46233 (5)	11036 (5)
17-20-S	100	100	27.14	31.67	144.68	0.00	1086 (8)	58520 (8)	13970 (8)
17-21-S	100	100	27.14	31.67	111.64	0.00	838 (8)	45154 (8)	10779 (8)
17-22-S	100	100	27.14	31.67	72.22	-0.67	542 (8)	29209 (8)	6973 (8)
17-23-S	100	100	27.14	31.67	45.90	-14.84	430 (8)	23204 (8)	8643 (8)
17-24-S	100	100	27.14	31.67	27.81	-38.58	470 (8)	18750 (8)	22465 (8)
17-25-S	100	100	27.14	31.67	16.93	-35.40	431 (8)	11413 (8)	20616 (8)
17-26-S	100	100	27.14	31.67	8.85	-12.29	112 (8)	5963 (8)	5367 (8)
18-1-S	100	100	22.62	31.67	14.33	-7.06	115 (8)	6916 (8)	2475 (8)
18-2-S	100	100	22.62	31.67	24.50	-14.91	274 (8)	16559 (8)	5226 (8)
18-3-S	100	100	22.62	31.67	36.50	-24.57	511 (8)	30834 (8)	8610 (8)
18-4-S	100	100	22.62	31.67	0.04	-125.50	943 (8)	12350 (8)	43981 (8)
18-5-S	100	100	22.62	31.67	1.03	-176.48	1326 (8)	17367 (8)	61847 (8)
18-6-S	100	100	22.62	31.67	0.00	-287.09	2158 (8)	28253 (8)	100613 (8)
18-7-S	100	100	22.62	31.67	0.00	-234.09	1759 (8)	23037 (8)	82039 (8)
18-8-S	100	100	22.62	31.67	0.00	-181.09	1361 (8)	17822 (8)	63465 (8)
18-9-S	100	100	22.62	31.67	0.00	-145.30	1092 (8)	14299 (8)	50921 (8)
18-10-S	100	100	22.62	31.67	7.95	-117.45	883 (8)	20142 (8)	41162 (8)
18-11-S	100	100	22.62	31.67	0.00	-161.97	1217 (8)	15940 (8)	56763 (8)
18-12-S	100	100	22.62	31.67	1.01	-215.44	1619 (8)	21202 (8)	75502 (8)
18-13-S	100	100	22.62	31.67	0.20	-168.22	1264 (8)	16555 (8)	58953 (8)
18-14-S	100	100	22.62	31.67	0.00	-121.62	914 (8)	11968 (8)	42621 (8)
18-15-S	100	100	22.62	31.67	0.01	-71.93	541 (8)	7079 (8)	25208 (8)
18-16-S	100	100	22.62	31.67	117.09	0.00	111 (5)	1458 (5)	5191 (5)
18-17-S	100	100	22.62	31.67	141.76	0.00	342 (5)	20641 (5)	4330 (5)
18-18-S	100	100	22.62	31.67	149.51	0.00	671 (5)	40522 (5)	8500 (5)
18-19-S	100	100	22.62	31.67	145.95	0.00	914 (5)	55183 (5)	11575 (5)
18-20-S	100	100	22.62	31.67	144.68	0.00	1157 (8)	69849 (8)	14651 (8)
18-21-S	100	100	22.62	31.67	111.64	0.00	892 (8)	53895 (8)	11305 (8)
18-22-S	100	100	22.62	31.67	72.22	-0.67	577 (8)	34863 (8)	7313 (8)
18-23-S	100	100	22.62	31.67	45.90	-14.84	459 (8)	27696 (8)	8669 (8)
18-24-S	100	100	22.62	31.67	27.81	-38.58	483 (8)	22380 (8)	22533 (8)
18-25-S	100	100	22.62	31.67	16.93	-35.40	443 (8)	13622 (8)	20679 (8)
18-26-S	100	100	22.62	31.67	8.85	-12.29	118 (8)	7117 (8)	5383 (8)
19-1-S	100	100	22.62	31.67	0.23	-7.49	56 (8)	737 (8)	2624 (8)
19-2-S	100	100	22.62	31.67	0.21	-5.61	42 (8)	552 (8)	1967 (8)
19-3-S	100	100	22.62	31.67	0.86	-4.40	55 (8)	722 (8)	2572 (8)
19-4-S	100	100	22.62	31.67	0.12	-8.86	67 (8)	872 (8)	3105 (8)
19-5-S	100	100	22.62	31.67	0.29	-14.22	107 (8)	1399 (8)	4983 (8)
19-6-S	100	100	22.62	31.67	0.00	-317.04	2383 (8)	31200 (8)	111109 (8)
19-7-S	100	100	22.62	31.67	0.00	-268.37	2017 (8)	26410 (8)	94050 (8)
19-8-S	100	100	22.62	31.67	0.00	-219.69	1651 (8)	21620 (8)	76992 (8)
19-9-S	100	100	22.62	31.67	0.00	-189.47	1424 (8)	18646 (8)	66401 (8)
19-10-S	100	100	22.62	31.67	0.00	-159.25	1197 (8)	15672 (8)	55811 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
19-11-S	100	100	22.62	31.67	0.02	-136.29	1024 (8)	13412 (8)	47762 (8)
19-12-S	100	100	22.62	31.67	0.08	-113.36	852 (8)	11156 (8)	39729 (8)
19-13-S	100	100	22.62	31.67	0.05	-85.64	644 (8)	8428 (8)	30012 (8)
19-14-S	100	100	22.62	31.67	0.05	-57.94	435 (8)	5702 (8)	20304 (8)
19-15-S	100	100	22.62	31.67	113.98	0.00	218 (5)	2851 (5)	10154 (5)
19-16-S	100	100	22.62	31.67	120.76	0.00	26 (5)	1597 (5)	335 (5)
19-17-S	100	100	22.62	31.67	127.53	0.00	283 (5)	17119 (5)	3591 (5)
19-18-S	100	100	22.62	31.67	125.70	0.00	461 (5)	27822 (5)	5836 (5)
19-19-S	100	100	22.62	31.67	118.15	0.00	585 (5)	35313 (5)	7407 (5)
19-20-S	100	100	22.62	31.67	110.60	0.00	709 (5)	42803 (5)	8978 (5)
19-21-S	100	100	22.62	31.67	91.28	0.00	646 (5)	38993 (5)	8179 (5)
19-22-S	100	100	22.62	31.67	70.65	0.00	562 (5)	33927 (5)	7116 (5)
19-23-S	100	100	22.62	31.67	57.41	0.00	459 (8)	27717 (8)	5814 (8)
19-24-S	100	100	22.62	31.67	35.08	0.00	280 (8)	16934 (8)	3552 (8)
19-25-S	100	100	22.62	31.67	19.41	0.00	155 (8)	9369 (8)	1965 (8)
19-26-S	100	100	22.62	31.67	8.18	0.00	65 (8)	3948 (8)	828 (8)
20-1-S	100	100	22.62	31.67	9.99	-10.00	133 (8)	8037 (8)	3503 (8)
20-2-S	100	100	22.62	31.67	22.96	-16.86	296 (8)	17907 (8)	5909 (8)
20-3-S	100	100	22.62	31.67	36.26	-24.02	507 (8)	30631 (8)	8419 (8)
20-4-S	100	100	22.62	31.67	0.01	-93.95	706 (8)	9246 (8)	32926 (8)
20-5-S	100	100	22.62	31.67	2.40	-105.73	795 (8)	10405 (8)	37052 (8)
20-6-S	100	100	22.62	31.67	0.00	-280.69	2110 (8)	27623 (8)	98370 (8)
20-7-S	100	100	22.62	31.67	0.00	-227.87	1713 (8)	22424 (8)	79857 (8)
20-8-S	100	100	22.62	31.67	0.00	-175.04	1316 (8)	17226 (8)	61343 (8)
20-9-S	100	100	22.62	31.67	0.00	-139.53	1049 (8)	13731 (8)	48898 (8)
20-10-S	100	100	22.62	31.67	9.51	-113.53	853 (8)	24107 (8)	39787 (8)
20-11-S	100	100	22.62	31.67	0.00	-156.85	1179 (8)	15435 (8)	54968 (8)
20-12-S	100	100	22.62	31.67	1.47	-211.14	1587 (8)	20779 (8)	73996 (8)
20-13-S	100	100	22.62	31.67	0.48	-164.13	1234 (8)	16153 (8)	57522 (8)
20-14-S	100	100	22.62	31.67	0.02	-117.66	884 (8)	11579 (8)	41235 (8)
20-15-S	100	100	22.62	31.67	0.00	-68.35	514 (8)	6727 (8)	23954 (8)
20-16-S	100	100	22.62	31.67	121.00	0.00	117 (5)	1531 (5)	5451 (5)
20-17-S	100	100	22.62	31.67	145.10	0.00	364 (5)	21973 (5)	4609 (5)
20-18-S	100	100	22.62	31.67	152.34	0.00	690 (5)	41663 (5)	8739 (5)
20-19-S	100	100	22.62	31.67	148.30	0.00	930 (5)	56139 (5)	11776 (5)
20-20-S	100	100	22.62	31.67	146.28	0.00	1169 (8)	70620 (8)	14813 (8)
20-21-S	100	100	22.62	31.67	112.91	0.00	903 (8)	54509 (8)	11434 (8)
20-22-S	100	100	22.62	31.67	74.17	-1.67	593 (8)	35806 (8)	7510 (8)
20-23-S	100	100	22.62	31.67	48.25	-16.55	482 (8)	29118 (8)	7252 (8)
20-24-S	100	100	22.62	31.67	28.53	-38.93	488 (8)	22958 (8)	22737 (8)
20-25-S	100	100	22.62	31.67	17.49	-35.78	448 (8)	14073 (8)	20896 (8)
20-26-S	100	100	22.62	31.67	9.55	-12.92	127 (8)	7684 (8)	5662 (8)
21-1-S	100	100	22.62	31.67	14.32	-7.06	115 (8)	6915 (8)	2475 (8)
21-2-S	100	100	22.62	31.67	24.50	-14.91	274 (8)	16559 (8)	5226 (8)
21-3-S	100	100	22.62	31.67	36.50	-24.57	511 (8)	30834 (8)	8610 (8)
21-4-S	100	100	22.62	31.67	0.04	-125.49	943 (8)	12350 (8)	43980 (8)
21-5-S	100	100	22.62	31.67	1.03	-176.47	1326 (8)	17367 (8)	61845 (8)
21-6-S	100	100	22.62	31.67	0.00	-273.53	2056 (8)	26918 (8)	95860 (8)
21-7-S	100	100	22.62	31.67	0.00	-220.97	1661 (8)	21746 (8)	77440 (8)
21-8-S	100	100	22.62	31.67	0.00	-168.41	1266 (8)	16573 (8)	59020 (8)
21-9-S	100	100	22.62	31.67	0.00	-133.28	1002 (8)	13116 (8)	46709 (8)
21-10-S	100	100	22.62	31.67	9.55	-107.71	809 (8)	24216 (8)	37746 (8)
21-11-S	100	100	22.62	31.67	0.00	-151.43	1138 (8)	14902 (8)	53069 (8)
21-12-S	100	100	22.62	31.67	0.92	-205.62	1545 (8)	20236 (8)	72062 (8)
21-13-S	100	100	22.62	31.67	0.15	-159.30	1197 (8)	15677 (8)	55829 (8)
21-14-S	100	100	22.62	31.67	0.01	-113.60	854 (8)	11179 (8)	39811 (8)
21-15-S	100	100	22.62	31.67	0.18	-64.94	488 (8)	6391 (8)	22759 (8)
21-16-S	100	100	22.62	31.67	124.75	0.00	92 (5)	3212 (5)	4303 (5)
21-17-S	100	100	22.62	31.67	148.27	0.00	385 (5)	23270 (5)	4881 (5)
21-18-S	100	100	22.62	31.67	154.97	0.00	708 (5)	42759 (5)	8969 (5)
21-19-S	100	100	22.62	31.67	150.44	0.00	945 (5)	57045 (5)	11966 (5)
21-20-S	100	100	22.62	31.67	147.76	0.00	1181 (8)	71335 (8)	14963 (8)
21-21-S	100	100	22.62	31.67	114.07	0.00	912 (8)	55071 (8)	11552 (8)
21-22-S	100	100	22.62	31.67	73.45	-0.10	587 (8)	35461 (8)	7438 (8)
21-23-S	100	100	22.62	31.67	44.95	-12.70	449 (8)	27129 (8)	7417 (8)
21-24-S	100	100	22.62	31.67	27.47	-37.55	470 (8)	22105 (8)	21933 (8)
21-25-S	100	100	22.62	31.67	16.54	-34.67	434 (8)	13308 (8)	20249 (8)
21-26-S	100	100	22.62	31.67	7.99	-11.32	142 (8)	6432 (8)	6610 (8)
22-1-S	100	100	22.62	31.67	0.23	-7.49	56 (8)	738 (8)	2626 (8)
22-2-S	100	100	22.62	31.67	0.21	-5.62	42 (8)	553 (8)	1971 (8)
22-3-S	100	100	22.62	31.67	0.85	-4.41	55 (8)	724 (8)	2577 (8)
22-4-S	100	100	22.62	31.67	0.12	-8.87	67 (8)	873 (8)	3110 (8)
22-5-S	100	100	22.62	31.67	0.28	-14.23	107 (8)	1400 (8)	4986 (8)
22-6-S	100	100	22.62	31.67	0.00	-294.75	2215 (8)	29007 (8)	103297 (8)
22-7-S	100	100	22.62	31.67	0.00	-247.00	1856 (8)	24307 (8)	86561 (8)
22-8-S	100	100	22.62	31.67	0.00	-199.24	1497 (8)	19607 (8)	69825 (8)
22-9-S	100	100	22.62	31.67	0.00	-170.28	1280 (8)	16757 (8)	59676 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
22-10-S	100	100	22.62	31.67	0.04	-141.36	1062 (8)	13911 (8)	49540 (8)
22-11-S	100	100	22.62	31.67	0.15	-119.94	901 (8)	11804 (8)	42034 (8)
22-12-S	100	100	22.62	31.67	0.34	-98.60	741 (8)	9703 (8)	34553 (8)
22-13-S	100	100	22.62	31.67	0.47	-72.49	545 (8)	7134 (8)	25404 (8)
22-14-S	100	100	22.62	31.67	0.89	-46.66	351 (8)	4592 (8)	16353 (8)
22-15-S	100	100	22.62	31.67	126.82	0.00	153 (5)	2005 (5)	7140 (5)
22-16-S	100	100	22.62	31.67	131.77	0.00	101 (5)	6082 (5)	1276 (5)
22-17-S	100	100	22.62	31.67	136.72	0.00	347 (5)	20934 (5)	4391 (5)
22-18-S	100	100	22.62	31.67	133.29	0.00	514 (5)	31026 (5)	6508 (5)
22-19-S	100	100	22.62	31.67	124.29	0.00	628 (5)	37944 (5)	7959 (5)
22-20-S	100	100	22.62	31.67	115.28	0.00	743 (5)	44862 (5)	9410 (5)
22-21-S	100	100	22.62	31.67	94.89	0.00	672 (5)	40603 (5)	8517 (5)
22-22-S	100	100	22.62	31.67	73.23	0.00	581 (5)	35101 (5)	7363 (5)
22-23-S	100	100	22.62	31.67	58.99	0.00	472 (8)	28477 (8)	5973 (8)
22-24-S	100	100	22.62	31.67	35.96	0.00	287 (8)	17361 (8)	3642 (8)
22-25-S	100	100	22.62	31.67	19.84	0.00	159 (8)	9577 (8)	2009 (8)
22-26-S	100	100	22.62	31.67	8.32	0.00	66 (8)	4015 (8)	842 (8)
23-1-S	100	100	22.62	31.67	9.99	-10.01	133 (8)	8041 (8)	3509 (8)
23-2-S	100	100	22.62	31.67	22.94	-16.89	296 (8)	17892 (8)	5919 (8)
23-3-S	100	100	22.62	31.67	36.22	-24.06	507 (8)	30597 (8)	8432 (8)
23-4-S	100	100	22.62	31.67	0.01	-94.08	707 (8)	9259 (8)	32971 (8)
23-5-S	100	100	22.62	31.67	2.37	-105.88	796 (8)	10420 (8)	37107 (8)
23-6-S	100	100	22.62	31.67	0.00	-247.13	1857 (8)	24320 (8)	86608 (8)
23-7-S	100	100	22.62	31.67	0.00	-196.10	1474 (8)	19299 (8)	68725 (8)
23-8-S	100	100	22.62	31.67	0.00	-145.08	1090 (8)	14277 (8)	50842 (8)
23-9-S	100	100	22.62	31.67	0.52	-112.34	844 (8)	11055 (8)	39370 (8)
23-10-S	100	100	22.62	31.67	16.62	-95.20	715 (8)	28090 (8)	33361 (8)
23-11-S	100	100	22.62	31.67	0.41	-134.24	1009 (8)	13210 (8)	47044 (8)
23-12-S	100	100	22.62	31.67	3.03	-192.11	1444 (8)	18906 (8)	67325 (8)
23-13-S	100	100	22.62	31.67	1.72	-147.08	1105 (8)	14474 (8)	51544 (8)
23-14-S	100	100	22.62	31.67	0.53	-102.17	768 (8)	10054 (8)	35805 (8)
23-15-S	100	100	22.62	31.67	0.38	-54.94	413 (8)	5406 (8)	19253 (8)
23-16-S	100	100	22.62	31.67	134.40	0.00	84 (5)	4498 (5)	3928 (5)
23-17-S	100	100	22.62	31.67	155.96	0.00	442 (5)	26684 (5)	5597 (5)
23-18-S	100	100	22.62	31.67	161.05	0.00	754 (5)	45524 (5)	9549 (5)
23-19-S	100	100	22.62	31.67	155.17	0.00	981 (5)	59244 (5)	12427 (5)
23-20-S	100	100	22.62	31.67	151.14	0.00	1208 (8)	72965 (8)	15305 (8)
23-21-S	100	100	22.62	31.67	116.62	0.00	932 (8)	56302 (8)	11810 (8)
23-22-S	100	100	22.62	31.67	78.28	-3.16	626 (8)	37789 (8)	7927 (8)
23-23-S	100	100	22.62	31.67	51.84	-18.55	518 (8)	31284 (8)	8126 (8)
23-24-S	100	100	22.62	31.67	29.69	-39.22	491 (8)	23890 (8)	22907 (8)
23-25-S	100	100	22.62	31.67	18.30	-36.19	453 (8)	14722 (8)	21137 (8)
23-26-S	100	100	22.62	31.67	10.96	-14.24	134 (8)	6611 (8)	6237 (8)
24-1-S	100	100	22.62	31.67	14.27	-6.94	114 (8)	6890 (8)	2431 (8)
24-2-S	100	100	22.62	31.67	24.44	-14.93	273 (8)	16516 (8)	5231 (8)
24-3-S	100	100	22.62	31.67	36.42	-24.71	509 (8)	30766 (8)	8660 (8)
24-4-S	100	100	22.62	31.67	0.03	-125.94	947 (8)	12393 (8)	44135 (8)
24-5-S	100	100	22.62	31.67	1.01	-177.13	1331 (8)	17432 (8)	62077 (8)
24-6-S	100	100	22.62	31.67	0.00	-224.86	1690 (8)	22128 (8)	78803 (8)
24-7-S	100	100	22.62	31.67	0.00	-175.74	1321 (8)	17295 (8)	61589 (8)
24-8-S	100	100	22.62	31.67	0.00	-126.63	952 (8)	12461 (8)	44376 (8)
24-9-S	100	100	22.62	31.67	0.51	-96.01	722 (8)	9449 (8)	33648 (8)
24-10-S	100	100	22.62	31.67	16.63	-81.00	609 (8)	28095 (8)	28386 (8)
24-11-S	100	100	22.62	31.67	0.02	-121.64	914 (8)	11970 (8)	42628 (8)
24-12-S	100	100	22.62	31.67	0.91	-179.77	1351 (8)	17692 (8)	63002 (8)
24-13-S	100	100	22.62	31.67	0.13	-136.89	1029 (8)	13472 (8)	47975 (8)
24-14-S	100	100	22.62	31.67	0.25	-94.91	713 (8)	9340 (8)	33262 (8)
24-15-S	100	100	22.62	31.67	2.25	-51.31	386 (8)	5049 (8)	17980 (8)
24-16-S	100	100	22.62	31.67	138.67	0.00	112 (5)	6777 (5)	3265 (5)
24-17-S	100	100	22.62	31.67	158.95	0.00	468 (5)	28252 (5)	5926 (5)
24-18-S	100	100	22.62	31.67	163.12	0.00	773 (5)	46683 (5)	9792 (5)
24-19-S	100	100	22.62	31.67	156.56	0.00	995 (5)	60084 (5)	12603 (5)
24-20-S	100	100	22.62	31.67	152.21	0.00	1217 (8)	73485 (8)	15414 (8)
24-21-S	100	100	22.62	31.67	117.33	0.00	938 (8)	56645 (8)	11882 (8)
24-22-S	100	100	22.62	31.67	75.64	-0.15	605 (8)	36517 (8)	7660 (8)
24-23-S	100	100	22.62	31.67	43.87	-10.49	438 (8)	26477 (8)	9188 (8)
24-24-S	100	100	22.62	31.67	27.08	-36.59	688 (8)	21786 (8)	32060 (8)
24-25-S	100	100	22.62	31.67	15.91	-33.84	424 (8)	12799 (8)	19765 (8)
24-26-S	100	100	22.62	31.67	7.37	-10.72	134 (8)	5926 (8)	6262 (8)
25-1-S	100	100	22.62	31.67	0.21	-9.76	73 (8)	960 (8)	3420 (8)
25-2-S	100	100	22.62	31.67	0.25	-7.32	55 (8)	720 (8)	2565 (8)
25-3-S	100	100	22.62	31.67	1.45	-2.02	37 (5)	481 (5)	1712 (5)
25-4-S	100	100	22.62	31.67	0.09	-12.65	95 (8)	1245 (8)	4435 (8)
25-5-S	100	100	22.62	31.67	0.19	-20.75	156 (8)	2042 (8)	7271 (8)
25-6-S	100	100	22.62	31.67	0.00	-225.01	1691 (8)	22143 (8)	78855 (8)
25-7-S	100	100	22.62	31.67	0.00	-183.96	1383 (8)	18104 (8)	64469 (8)
25-8-S	100	100	22.62	31.67	0.00	-142.91	1074 (8)	14064 (8)	50084 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
25-9-S	100	100	22.62	31.67	0.12	-121.25	911 (8)	11932 (8)	42492 (8)
25-10-S	100	100	22.62	31.67	0.93	-100.26	754 (8)	9867 (8)	35138 (8)
25-11-S	100	100	22.62	31.67	1.35	-85.61	643 (8)	8425 (8)	30002 (8)
25-12-S	100	100	22.62	31.67	2.00	-71.17	535 (8)	7004 (8)	24942 (8)
25-13-S	100	100	22.62	31.67	2.85	-50.74	381 (8)	4994 (8)	17783 (8)
25-14-S	100	100	22.62	31.67	141.85	0.00	235 (5)	3076 (5)	10953 (5)
25-15-S	100	100	22.62	31.67	141.72	0.00	91 (5)	4210 (5)	4252 (5)
25-16-S	100	100	22.62	31.67	143.12	0.00	194 (5)	11699 (5)	2454 (5)
25-17-S	100	100	22.62	31.67	144.51	0.00	415 (5)	25046 (5)	5254 (5)
25-18-S	100	100	22.62	31.67	138.56	0.00	564 (5)	34041 (5)	7140 (5)
25-19-S	100	100	22.62	31.67	127.70	0.00	665 (5)	40135 (5)	8419 (5)
25-20-S	100	100	22.62	31.67	116.85	0.00	765 (5)	46230 (5)	9697 (5)
25-21-S	100	100	22.62	31.67	95.63	0.00	687 (5)	41511 (5)	8707 (5)
25-22-S	100	100	22.62	31.67	73.72	0.00	589 (8)	35590 (8)	7465 (8)
25-23-S	100	100	22.62	31.67	59.26	0.00	474 (8)	28611 (8)	6001 (8)
25-24-S	100	100	22.62	31.67	36.04	0.00	288 (8)	17399 (8)	3650 (8)
25-25-S	100	100	22.62	31.67	19.82	0.00	158 (8)	9568 (8)	2007 (8)
25-26-S	100	100	22.62	31.67	8.27	0.00	66 (8)	3991 (8)	837 (8)
26-1-S	100	100	22.62	27.14	11.54	-7.14	95 (8)	5584 (8)	2903 (8)
26-2-S	100	100	22.62	27.14	17.59	-13.87	241 (8)	14183 (8)	5642 (8)
26-3-S	100	100	22.62	27.14	24.94	-21.99	331 (8)	19499 (8)	8945 (8)
26-4-S	100	100	22.62	27.14	0.04	-147.12	1167 (8)	15120 (8)	59832 (8)
26-5-S	100	100	22.62	27.14	0.74	-238.24	1891 (8)	24485 (8)	96891 (8)
26-6-S	100	100	22.62	27.14	0.00	-146.62	1164 (8)	15069 (8)	59629 (8)
26-7-S	100	100	22.62	27.14	0.00	-109.30	867 (8)	11233 (8)	44450 (8)
26-8-S	100	100	22.62	27.14	0.48	-72.46	575 (8)	7447 (8)	29468 (8)
26-9-S	100	100	22.62	27.14	14.06	-64.83	514 (8)	11907 (8)	26364 (8)
26-10-S	100	100	22.62	27.14	35.50	-65.05	516 (8)	22547 (8)	26457 (8)
26-11-S	100	100	22.62	27.14	3.42	-100.42	797 (8)	10320 (8)	40839 (8)
26-12-S	100	100	22.62	27.14	6.81	-171.26	1359 (8)	17600 (8)	69647 (8)
26-13-S	100	100	22.62	27.14	4.61	-131.25	1042 (8)	13489 (8)	53379 (8)
26-14-S	100	100	22.62	27.14	2.43	-91.27	724 (8)	9380 (8)	37117 (8)
26-15-S	100	100	22.62	27.14	2.05	-48.67	386 (8)	5002 (8)	19792 (8)
26-16-S	100	100	22.62	27.14	139.42	-0.08	120 (5)	7071 (5)	3553 (5)
26-17-S	100	100	22.62	27.14	157.65	0.00	482 (5)	28337 (5)	6126 (5)
26-18-S	100	100	22.62	27.14	160.99	0.00	793 (5)	46630 (5)	10080 (5)
26-19-S	100	100	22.62	27.14	154.34	0.00	1025 (5)	60315 (5)	13039 (5)
26-20-S	100	100	22.62	27.14	152.92	0.00	1258 (8)	74000 (8)	15997 (8)
26-21-S	100	100	22.62	27.14	118.06	-0.74	971 (8)	57134 (8)	12351 (8)
26-22-S	100	100	22.62	27.14	80.85	-6.21	665 (8)	39128 (8)	8458 (8)
26-23-S	100	100	22.62	27.14	54.70	-22.94	562 (8)	33089 (8)	9328 (8)
26-24-S	100	100	22.62	27.14	32.00	-43.61	439 (8)	25808 (8)	22169 (8)
26-25-S	100	100	22.62	27.14	20.41	-39.86	316 (8)	16459 (8)	16209 (8)
26-26-S	100	100	22.62	27.14	13.27	-16.86	136 (8)	8025 (8)	6858 (8)
27-1-S	100	100	22.62	27.14	8.76	-12.09	180 (8)	10595 (8)	4916 (8)
27-2-S	100	100	22.62	27.14	13.61	-19.30	280 (8)	16463 (8)	7850 (8)
27-3-S	100	100	22.62	27.14	19.86	-25.49	264 (8)	15525 (8)	10366 (8)
27-4-S	100	100	22.62	27.14	0.05	-127.96	1015 (8)	13151 (8)	52039 (8)
27-5-S	100	100	22.62	27.14	0.96	-202.05	1603 (8)	20765 (8)	82171 (8)
27-6-S	100	100	22.62	27.14	0.00	-81.97	651 (8)	8425 (8)	33338 (8)
27-7-S	100	100	22.62	27.14	247.78	0.00	491 (5)	6360 (5)	25169 (5)
27-8-S	100	100	22.62	27.14	236.17	-0.01	334 (5)	4319 (5)	17092 (5)
27-9-S	100	100	22.62	27.14	215.33	-0.01	372 (5)	19295 (5)	19056 (5)
27-10-S	100	100	22.62	27.14	28.49	-57.61	492 (8)	28950 (8)	23430 (8)
27-11-S	100	100	22.62	27.14	0.01	-100.35	796 (8)	10313 (8)	40810 (8)
27-12-S	100	100	22.62	27.14	0.94	-172.49	1369 (8)	17728 (8)	70151 (8)
27-13-S	100	100	22.62	27.14	0.02	-135.98	1079 (8)	13975 (8)	55301 (8)
27-14-S	100	100	22.62	27.14	0.00	-100.36	796 (8)	10314 (8)	40814 (8)
27-15-S	100	100	22.62	27.14	0.00	-58.41	464 (8)	6003 (8)	23757 (8)
27-16-S	100	100	22.62	27.14	134.47	-0.42	53 (5)	3096 (5)	2623 (5)
27-17-S	100	100	22.62	27.14	154.93	-0.13	457 (5)	26874 (5)	5809 (5)
27-18-S	100	100	22.62	27.14	158.25	-0.07	787 (5)	46308 (5)	10011 (5)
27-19-S	100	100	22.62	27.14	150.40	-0.08	1033 (5)	60755 (5)	13134 (5)
27-20-S	100	100	22.62	27.14	155.40	0.00	1278 (8)	75204 (8)	16257 (8)
27-21-S	100	100	22.62	27.14	120.52	-0.13	991 (8)	58325 (8)	12609 (8)
27-22-S	100	100	22.62	27.14	79.33	-1.15	653 (8)	38390 (8)	8299 (8)
27-23-S	100	100	22.62	27.14	48.77	-13.15	527 (8)	30976 (8)	6696 (8)
27-24-S	100	100	22.62	27.14	26.29	-34.63	349 (8)	20551 (8)	14085 (8)
27-25-S	100	100	22.62	27.14	17.31	-31.50	250 (8)	13961 (8)	12809 (8)
27-26-S	100	100	22.62	27.14	9.82	-9.11	135 (8)	7919 (8)	4633 (8)

Pali in c.a.

Ip	Is	Af [cmq]	σc [kPa]	σf [kPa]	τc [kPa]	σstr [kPa]
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RELAZIONE DI CALCOLO

Ip	Is	Ar [cmq]	σ_c [kPa]	σ_f [kPa]	τ_c [kPa]	σ_{stf} [kPa]
1	1	152.05	5432	66276		
1	2	152.05	4346	54187		
1	3	152.05	3363	43080		
1	4	152.05	2551	33701		
1	5	152.05	1945	26530		
1	6	152.05	1439	20523		
1	7	152.05	1183	17481		
1	8	152.05	1527	21582		
1	9	152.05	1791	24734		
1	10	152.05	1982	27005		
1	11	152.05	2105	28480		
1	12	152.05	2170	29262		
1	13	152.05	2186	29456		
1	14	152.05	2161	29174		
1	15	152.05	2106	28524		
1	16	152.05	2028	27607		
1	17	152.05	1936	26514		
1	18	152.05	1835	25326		
1	19	152.05	1732	24111		
1	20	152.05	1631	22923		
1	21	152.05	1537	21805		
1	22	152.05	1450	20786		
1	23	152.05	1374	19886		
1	24	152.05	1308	19116		
1	25	152.05	1254	18477		
1	26	152.05	1210	17965		
1	27	152.05	1176	17573		
1	28	152.05	1159	17380		
1	29	152.05	1182	17651		
1	30	152.05	1197	17842		
1	31	152.05	1207	17968		
1	32	152.05	1212	18042		
1	33	152.05	1215	18078		
1	34	152.05	1215	18087		
1	35	152.05	1213	18077		
1	36	152.05	1211	18057		
1	37	152.05	1208	18032		
1	38	152.05	1205	18009		
1	39	152.05	1203	17989		
1	40	152.05	1201	17975		
1	41	152.05	1200	17968		
1	42	152.05	1199	17969		
1	43	152.05	1199	17977		
1	44	152.05	1200	17993		
1	45	152.05	1201	18015		
1	46	152.05	1204	18061		
1	47	152.05	1208	18109		
1	48	152.05	1211	18153		
1	49	152.05	1213	18194		
1	50	152.05	1216	18234		
1	51	152.05	1218	18272		
1	52	152.05	1221	18309		
1	53	152.05	1223	18346		
1	54	152.05	1226	18383		
1	55	152.05	1228	18420		
1	56	152.05	1231	18457		
1	57	152.05	1233	18495		
1	58	152.05	1236	18533		
1	59	152.05	1238	18572		
1	60	152.05	1241	18610		
1	61	152.05	1243	18649		
1	62	152.05	1246	18690		
1	63	152.05	1249	18730		
1	64	152.05	1251	18770		
1	65	152.05	1254	18810		
1	66	152.05	1257	18850		
1	67	152.05	1259	18889		
1	68	152.05	1262	18929		
1	69	152.05	1265	18969		
1	70	152.05	1267	19008		
1	71	152.05	1270	19048		
1	72	152.05	1273	19088		
1	73	152.05	1275	19128		
1	74	152.05	1278	19168		
1	75	152.05	1280	19207		
1	76	152.05	1283	19247		
1	77	152.05	1286	19287		

RELAZIONE DI CALCOLO

Ip	Is	Ar [cmq]	σ_c [kPa]	σ_f [kPa]	τ_c [kPa]	σ_{stf} [kPa]
1	78	152.05	1288	19327		
1	79	152.05	1291	19367		
1	80	152.05	1294	19407		
1	81	152.05	1296	19446		
1	82	152.05	1299	19486		
1	83	152.05	1302	19526		
1	84	152.05	1304	19566		
1	85	152.05	1307	19606		
1	86	152.05	1310	19646		
1	87	152.05	1312	19686		
1	88	152.05	1315	19725		
1	89	152.05	1318	19765		
1	90	152.05	1320	19805		
1	91	152.05	1323	19845		
1	92	152.05	1326	19885		
1	93	152.05	1328	19925		
1	94	152.05	1331	19965		
1	95	152.05	1334	20004		
1	96	152.05	1336	20044		
1	97	152.05	1339	20084		
1	98	152.05	1342	20124		
1	99	152.05	1344	20164		
1	100	152.05	1347	20204		
1	101	152.05	1350	20243		
2	1	152.05	5491	67756		
2	2	152.05	4414	55693		
2	3	152.05	3457	44789		
2	4	152.05	2689	35831		
2	5	152.05	2097	28804		
2	6	152.05	1590	22791		
2	7	152.05	1333	19744		
2	8	152.05	1677	23840		
2	9	152.05	1941	26987		
2	10	152.05	2131	29252		
2	11	152.05	2255	30722		
2	12	152.05	2319	31498		
2	13	152.05	2334	31687		
2	14	152.05	2310	31400		
2	15	152.05	2254	30744		
2	16	152.05	2176	29822		
2	17	152.05	2083	28723		
2	18	152.05	1982	27530		
2	19	152.05	1879	26310		
2	20	152.05	1778	25116		
2	21	152.05	1682	23993		
2	22	152.05	1596	22969		
2	23	152.05	1519	22063		
2	24	152.05	1453	21288		
2	25	152.05	1398	20643		
2	26	152.05	1354	20126		
2	27	152.05	1320	19729		
2	28	152.05	1303	19531		
2	29	152.05	1325	19796		
2	30	152.05	1340	19981		
2	31	152.05	1349	20102		
2	32	152.05	1354	20171		
2	33	152.05	1356	20202		
2	34	152.05	1356	20205		
2	35	152.05	1354	20190		
2	36	152.05	1351	20164		
2	37	152.05	1348	20134		
2	38	152.05	1345	20105		
2	39	152.05	1342	20080		
2	40	152.05	1340	20060		
2	41	152.05	1339	20048		
2	42	152.05	1338	20044		
2	43	152.05	1337	20047		
2	44	152.05	1338	20057		
2	45	152.05	1338	20074		
2	46	152.05	1341	20114		
2	47	152.05	1344	20157		
2	48	152.05	1347	20196		
2	49	152.05	1349	20232		
2	50	152.05	1351	20266		
2	51	152.05	1354	20299		
2	52	152.05	1356	20331		
2	53	152.05	1358	20362		

RELAZIONE DI CALCOLO

Ip	Is	Ar [cmq]	σ_c [kPa]	σ_f [kPa]	τ_c [kPa]	σ_{stf} [kPa]
2	54	152.05	1360	20394		
2	55	152.05	1362	20425		
2	56	152.05	1364	20457		
2	57	152.05	1366	20490		
2	58	152.05	1368	20522		
2	59	152.05	1370	20555		
2	60	152.05	1373	20589		
2	61	152.05	1375	20623		
2	62	152.05	1377	20657		
2	63	152.05	1379	20692		
2	64	152.05	1382	20727		
2	65	152.05	1384	20761		
2	66	152.05	1386	20796		
2	67	152.05	1389	20830		
2	68	152.05	1391	20865		
2	69	152.05	1393	20899		
2	70	152.05	1396	20933		
2	71	152.05	1398	20968		
2	72	152.05	1400	21002		
2	73	152.05	1402	21036		
2	74	152.05	1405	21071		
2	75	152.05	1407	21105		
2	76	152.05	1409	21140		
2	77	152.05	1412	21174		
2	78	152.05	1414	21209		
2	79	152.05	1416	21243		
2	80	152.05	1419	21278		
2	81	152.05	1421	21312		
2	82	152.05	1423	21347		
2	83	152.05	1425	21381		
2	84	152.05	1428	21416		
2	85	152.05	1430	21450		
2	86	152.05	1432	21485		
2	87	152.05	1435	21519		
2	88	152.05	1437	21554		
2	89	152.05	1439	21588		
2	90	152.05	1442	21623		
2	91	152.05	1444	21657		
2	92	152.05	1446	21692		
2	93	152.05	1448	21726		
2	94	152.05	1451	21761		
2	95	152.05	1453	21795		
2	96	152.05	1455	21830		
2	97	152.05	1458	21864		
2	98	152.05	1460	21899		
2	99	152.05	1462	21933		
2	100	152.05	1464	21967		
2	101	152.05	1467	22002		
3	1	152.05	5553	69236		
3	2	152.05	4491	57259		
3	3	152.05	3566	46633		
3	4	152.05	2837	38066		
3	5	152.05	2248	31078		
3	6	152.05	1742	25060		
3	7	152.05	1484	22007		
3	8	152.05	1828	26097		
3	9	152.05	2092	29239		
3	10	152.05	2281	31499		
3	11	152.05	2404	32964		
3	12	152.05	2468	33734		
3	13	152.05	2483	33918		
3	14	152.05	2458	33625		
3	15	152.05	2402	32964		
3	16	152.05	2323	32036		
3	17	152.05	2230	30933		
3	18	152.05	2129	29734		
3	19	152.05	2025	28508		
3	20	152.05	1924	27310		
3	21	152.05	1828	26180		
3	22	152.05	1741	25151		
3	23	152.05	1664	24241		
3	24	152.05	1598	23459		
3	25	152.05	1543	22809		
3	26	152.05	1498	22287		
3	27	152.05	1464	21884		
3	28	152.05	1446	21681		
3	29	152.05	1468	21941		

RELAZIONE DI CALCOLO

Ip	Is	Ar [cmq]	σ_c [kPa]	σ_f [kPa]	τ_c [kPa]	σ_{stf} [kPa]
3	30	152.05	1482	22121		
3	31	152.05	1491	22236		
3	32	152.05	1496	22300		
3	33	152.05	1498	22325		
3	34	152.05	1497	22323		
3	35	152.05	1495	22302		
3	36	152.05	1492	22271		
3	37	152.05	1488	22236		
3	38	152.05	1485	22202		
3	39	152.05	1482	22171		
3	40	152.05	1479	22146		
3	41	152.05	1477	22129		
3	42	152.05	1476	22119		
3	43	152.05	1475	22117		
3	44	152.05	1475	22122		
3	45	152.05	1476	22133		
3	46	152.05	1478	22168		
3	47	152.05	1481	22205		
3	48	152.05	1483	22239		
3	49	152.05	1485	22269		
3	50	152.05	1487	22298		
3	51	152.05	1489	22325		
3	52	152.05	1490	22352		
3	53	152.05	1492	22378		
3	54	152.05	1494	22405		
3	55	152.05	1496	22431		
3	56	152.05	1497	22457		
3	57	152.05	1499	22484		
3	58	152.05	1501	22512		
3	59	152.05	1503	22539		
3	60	152.05	1505	22567		
3	61	152.05	1506	22596		
3	62	152.05	1508	22625		
3	63	152.05	1510	22655		
3	64	152.05	1512	22684		
3	65	152.05	1514	22713		
3	66	152.05	1516	22742		
3	67	152.05	1518	22771		
3	68	152.05	1520	22800		
3	69	152.05	1522	22829		
3	70	152.05	1524	22858		
3	71	152.05	1526	22887		
3	72	152.05	1528	22916		
3	73	152.05	1530	22945		
3	74	152.05	1532	22974		
3	75	152.05	1534	23003		
3	76	152.05	1535	23032		
3	77	152.05	1537	23062		
3	78	152.05	1539	23091		
3	79	152.05	1541	23120		
3	80	152.05	1543	23149		
3	81	152.05	1545	23178		
3	82	152.05	1547	23207		
3	83	152.05	1549	23236		
3	84	152.05	1551	23265		
3	85	152.05	1553	23295		
3	86	152.05	1555	23324		
3	87	152.05	1557	23353		
3	88	152.05	1559	23382		
3	89	152.05	1561	23411		
3	90	152.05	1563	23440		
3	91	152.05	1565	23469		
3	92	152.05	1567	23498		
3	93	152.05	1569	23528		
3	94	152.05	1570	23557		
3	95	152.05	1572	23586		
3	96	152.05	1574	23615		
3	97	152.05	1576	23644		
3	98	152.05	1578	23673		
3	99	152.05	1580	23702		
3	100	152.05	1582	23731		
3	101	152.05	1584	23760		

Verifica a fessurazione

Simbologia adottata

n°	indice sezione
Y	ordinata sezione espressa in [m]
B	larghezza sezione espresso in [cm]
H	altezza sezione espressa in [cm]
Af	area ferri zona tesa espresso in [cmq]
Aeff	area efficace espressa in [cmq]
M	momento agente espressa in [kNm]
Mpf	momento di formazione/apertura fessure espressa in [kNm]
ε	deformazione espresso in %
Sm	spaziatura tra le fessure espressa in [mm]
w	apertura delle fessure espressa in [mm]

10.1.5 Combinazioni SLER

Paramento

Apertura limite fessure $w_{lim}=0.20$

n°	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
1	100	30	22.62	1048.02	-0.45	-66.16	0.000000	0.00	0.000 (5)
2	100	31	22.62	1093.50	-0.39	-71.77	0.000000	0.00	0.000 (5)
3	100	32	22.62	1139.15	-0.24	-77.57	0.000000	0.00	0.000 (5)
4	100	33	22.62	1184.95	0.01	83.56	0.000000	0.00	0.000 (5)
5	100	35	22.62	1230.91	0.36	89.75	0.000000	0.00	0.000 (5)
6	100	36	22.62	1277.01	0.81	96.13	0.000000	0.00	0.000 (5)
7	100	37	22.62	1323.24	1.37	102.70	0.000000	0.00	0.000 (5)
8	100	38	22.62	1369.61	2.05	109.46	0.000000	0.00	0.000 (5)
9	100	39	22.62	1416.10	2.85	116.41	0.000000	0.00	0.000 (5)
10	100	40	22.62	1462.71	3.78	123.54	0.000000	0.00	0.000 (5)
11	100	42	22.62	1509.44	4.83	130.85	0.000000	0.00	0.000 (5)
12	100	43	22.62	1556.29	6.02	138.35	0.000000	0.00	0.000 (5)
13	100	44	22.62	1603.24	7.35	146.04	0.000000	0.00	0.000 (5)
14	100	45	22.62	1650.29	8.82	153.91	0.000000	0.00	0.000 (5)
15	100	46	22.62	1697.44	10.44	161.96	0.000000	0.00	0.000 (5)
16	100	47	22.62	1744.69	12.22	170.19	0.000000	0.00	0.000 (5)
17	100	49	22.62	1792.03	14.15	178.61	0.000000	0.00	0.000 (5)
18	100	50	22.62	1839.46	16.25	187.21	0.000000	0.00	0.000 (5)
19	100	51	22.62	1886.98	18.52	195.98	0.000000	0.00	0.000 (5)
20	100	52	22.62	1934.58	20.96	204.95	0.000000	0.00	0.000 (5)
21	100	53	22.62	1982.26	23.58	214.09	0.000000	0.00	0.000 (5)
22	100	54	22.62	2030.01	26.39	223.42	0.000000	0.00	0.000 (5)
23	100	56	22.62	2077.85	29.38	232.91	0.000000	0.00	0.000 (5)
24	100	57	22.62	2125.75	32.57	242.60	0.000000	0.00	0.000 (5)
25	100	58	22.62	2173.73	35.96	252.47	0.000000	0.00	0.000 (5)
26	100	59	22.62	2221.78	39.55	262.52	0.000000	0.00	0.000 (5)
27	100	60	22.62	2269.89	43.34	272.75	0.000000	0.00	0.000 (5)
28	100	61	22.62	2318.06	47.36	283.16	0.000000	0.00	0.000 (5)
29	100	63	22.62	2366.30	51.58	293.75	0.000000	0.00	0.000 (5)
30	100	64	22.62	2414.61	56.04	304.52	0.000000	0.00	0.000 (5)
31	100	65	22.62	2462.97	60.72	315.46	0.000000	0.00	0.000 (5)
32	100	66	22.62	2511.38	65.63	326.60	0.000000	0.00	0.000 (5)
33	100	67	22.62	2520.00	70.78	337.91	0.000000	0.00	0.000 (5)
34	100	68	22.62	2520.00	76.17	349.40	0.000000	0.00	0.000 (5)
35	100	70	22.62	2520.00	81.81	361.08	0.000000	0.00	0.000 (5)
36	100	71	22.62	2520.00	87.71	372.93	0.000000	0.00	0.000 (5)
37	100	72	22.62	2520.00	93.86	384.96	0.000000	0.00	0.000 (5)
38	100	73	45.24	2515.95	100.27	439.71	0.000000	0.00	0.000 (5)
39	100	74	45.24	2520.00	106.95	453.08	0.000000	0.00	0.000 (5)
40	100	75	45.24	2520.00	113.90	466.64	0.000000	0.00	0.000 (5)
41	100	77	45.24	2520.00	121.13	480.36	0.000000	0.00	0.000 (5)
42	100	78	45.24	2520.00	128.64	494.29	0.000000	0.00	0.000 (5)
43	100	79	45.24	2520.00	136.43	508.36	0.000000	0.00	0.000 (5)
44	100	80	45.24	2520.00	144.52	522.66	0.000000	0.00	0.000 (5)
45	100	81	45.24	2520.00	152.91	537.10	0.000000	0.00	0.000 (5)
46	100	82	45.24	2520.00	161.59	551.76	0.000000	0.00	0.000 (5)
47	100	84	45.24	2520.00	170.59	566.57	0.000000	0.00	0.000 (5)
48	100	85	45.24	2520.00	179.89	581.59	0.000000	0.00	0.000 (5)
49	100	86	45.24	2520.00	189.51	596.76	0.000000	0.00	0.000 (5)
50	100	87	45.24	2520.00	199.45	612.14	0.000000	0.00	0.000 (5)
51	100	88	45.24	2520.00	209.72	627.69	0.000000	0.00	0.000 (5)
52	100	89	45.24	2520.00	220.32	643.42	0.000000	0.00	0.000 (5)
53	100	91	45.24	2520.00	231.25	661.49	0.000000	0.00	0.000 (5)

RELAZIONE DI CALCOLO

n°	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
54	100	92	45.24	2520.00	242.52	647.05	0.000000	0.00	0.000 (5)
55	100	93	45.24	2520.00	254.14	662.85	0.000000	0.00	0.000 (5)
56	100	94	45.24	2520.00	266.11	678.76	0.000000	0.00	0.000 (5)
57	100	95	45.24	2520.00	278.44	694.92	0.000000	0.00	0.000 (5)
58	100	96	45.24	2520.00	291.12	711.21	0.000000	0.00	0.000 (5)
59	100	98	45.24	2520.00	304.17	727.70	0.000000	0.00	0.000 (5)
60	100	99	45.24	2520.00	317.59	744.38	0.000000	0.00	0.000 (5)
61	100	100	45.24	2520.00	331.39	759.59	0.000000	0.00	0.000 (5)

Piastra fondazione

Apertura limite fessure $w_{lim}=0.20$

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
1-1-P	100	100	27.14	2520.00	9.41	-730.72	0.000000	0.00	0.000
1-2-P	100	100	27.14	2520.00	-8.47	-730.72	0.000000	0.00	0.000
1-3-P	100	100	27.14	2520.00	-20.03	-730.72	0.000000	0.00	0.000
1-4-P	100	100	27.14	2520.00	-44.27	-730.72	0.000000	0.00	0.000
1-5-P	100	100	27.14	2520.00	-75.80	-730.72	0.000000	0.00	0.000
1-6-P	100	100	27.14	2520.00	-45.15	-730.72	0.000000	0.00	0.000
1-7-P	100	100	27.14	2520.00	-16.58	-730.72	0.000000	0.00	0.000
1-8-P	100	100	27.14	2520.00	4.76	-730.72	0.000000	0.00	0.000
1-9-P	100	100	27.14	2520.00	10.92	-730.72	0.000000	0.00	0.000
1-10-P	100	100	27.14	2520.00	17.58	-730.72	0.000000	0.00	0.000
1-11-P	100	100	27.14	2520.00	17.41	730.72	0.000000	0.00	0.000
1-12-P	100	100	27.14	2520.00	17.32	-730.72	0.000000	0.00	0.000
1-13-P	100	100	27.14	2520.00	11.01	-730.72	0.000000	0.00	0.000
1-14-P	100	100	27.14	2520.00	4.69	-730.72	0.000000	0.00	0.000
1-15-P	100	100	27.14	2520.00	-14.72	-730.72	0.000000	0.00	0.000
1-16-P	100	100	27.14	2520.00	-41.45	-730.72	0.000000	0.00	0.000
1-17-P	100	100	27.14	2520.00	-69.99	-730.72	0.000000	0.00	0.000
1-18-P	100	100	27.14	2520.00	-41.47	-730.72	0.000000	0.00	0.000
1-19-P	100	100	27.14	2520.00	-14.76	-730.72	0.000000	0.00	0.000
1-20-P	100	100	27.14	2520.00	4.62	-730.72	0.000000	0.00	0.000
1-21-P	100	100	27.14	2520.00	10.67	-730.72	0.000000	0.00	0.000
1-22-P	100	100	27.14	2520.00	16.78	-730.72	0.000000	0.00	0.000
1-23-P	100	100	27.14	2520.00	16.75	-730.72	0.000000	0.00	0.000
1-24-P	100	100	27.14	2520.00	16.82	-730.72	0.000000	0.00	0.000
1-25-P	100	100	27.14	2520.00	8.26	-730.72	0.000000	0.00	0.000
1-26-P	100	100	27.14	2520.00	-4.07	-730.72	0.000000	0.00	0.000
1-27-P	100	100	27.14	2520.00	-8.60	-730.72	0.000000	0.00	0.000
1-28-P	100	100	27.14	2520.00	-29.88	-730.72	0.000000	0.00	0.000
1-29-P	100	100	27.14	2520.00	-64.33	-730.72	0.000000	0.00	0.000
1-30-P	100	100	27.14	2520.00	-24.48	-730.72	0.000000	0.00	0.000
1-31-P	100	100	27.14	2520.00	-17.87	-730.72	0.000000	0.00	0.000
1-32-P	100	100	27.14	2520.00	-6.69	-730.72	0.000000	0.00	0.000
1-33-P	100	100	27.14	2520.00	10.80	-730.72	0.000000	0.00	0.000
1-34-P	100	100	27.14	2520.00	18.26	-730.72	0.000000	0.00	0.000
1-35-P	100	100	27.14	2520.00	17.88	730.72	0.000000	0.00	0.000
1-36-P	100	100	27.14	2520.00	17.61	-730.72	0.000000	0.00	0.000
1-37-P	100	100	27.14	2520.00	8.78	-730.72	0.000000	0.00	0.000
1-38-P	100	100	27.14	2520.00	-3.76	-730.72	0.000000	0.00	0.000
1-39-P	100	100	27.14	2520.00	-8.48	-730.72	0.000000	0.00	0.000
1-40-P	100	100	27.14	2520.00	-29.81	-730.72	0.000000	0.00	0.000
1-41-P	100	100	27.14	2520.00	-64.32	-730.72	0.000000	0.00	0.000
1-42-P	100	100	27.14	2520.00	-24.48	-730.72	0.000000	0.00	0.000
1-43-P	100	100	27.14	2520.00	-17.89	-730.72	0.000000	0.00	0.000
1-44-P	100	100	27.14	2520.00	-6.70	-730.72	0.000000	0.00	0.000
1-45-P	100	100	27.14	2520.00	10.77	-730.72	0.000000	0.00	0.000
1-46-P	100	100	27.14	2520.00	18.24	-730.72	0.000000	0.00	0.000
1-47-P	100	100	27.14	2520.00	17.87	730.72	0.000000	0.00	0.000
1-48-P	100	100	27.14	2520.00	17.60	-730.72	0.000000	0.00	0.000
1-49-P	100	100	27.14	2520.00	8.77	-730.72	0.000000	0.00	0.000
1-50-P	100	100	27.14	2520.00	-3.77	-730.72	0.000000	0.00	0.000
1-51-P	100	100	27.14	2520.00	-8.48	-730.72	0.000000	0.00	0.000
1-52-P	100	100	27.14	2520.00	-29.81	-730.72	0.000000	0.00	0.000
1-53-P	100	100	27.14	2520.00	-64.32	-730.72	0.000000	0.00	0.000
1-54-P	100	100	27.14	2520.00	-24.48	-730.72	0.000000	0.00	0.000
1-55-P	100	100	27.14	2520.00	-17.89	-730.72	0.000000	0.00	0.000
1-56-P	100	100	27.14	2520.00	-6.70	-730.72	0.000000	0.00	0.000
1-57-P	100	100	27.14	2520.00	10.77	-730.72	0.000000	0.00	0.000
1-58-P	100	100	27.14	2520.00	18.23	-730.72	0.000000	0.00	0.000
1-59-P	100	100	27.14	2520.00	17.85	730.72	0.000000	0.00	0.000
1-60-P	100	100	27.14	2520.00	17.57	-730.72	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
1-61-P	100	100	27.14	2520.00	8.74	-730.72	0.000000	0.00	0.000
1-62-P	100	100	27.14	2520.00	-3.80	-730.72	0.000000	0.00	0.000
1-63-P	100	100	27.14	2520.00	-8.51	-730.72	0.000000	0.00	0.000
1-64-P	100	100	27.14	2520.00	-29.86	-730.72	0.000000	0.00	0.000
1-65-P	100	100	27.14	2520.00	-64.36	-730.72	0.000000	0.00	0.000
1-66-P	100	100	27.14	2520.00	-24.49	-730.72	0.000000	0.00	0.000
1-67-P	100	100	27.14	2520.00	-17.89	-730.72	0.000000	0.00	0.000
1-68-P	100	100	27.14	2520.00	-6.58	-730.72	0.000000	0.00	0.000
1-69-P	100	100	27.14	2520.00	11.07	-730.72	0.000000	0.00	0.000
1-70-P	100	100	27.14	2520.00	18.76	-730.72	0.000000	0.00	0.000
1-71-P	100	100	27.14	2520.00	18.51	730.72	0.000000	0.00	0.000
1-72-P	100	100	27.14	2520.00	18.35	-730.72	0.000000	0.00	0.000
1-73-P	100	100	27.14	2520.00	11.41	-730.72	0.000000	0.00	0.000
1-74-P	100	100	27.14	2520.00	4.84	-730.72	0.000000	0.00	0.000
1-75-P	100	100	27.14	2520.00	-16.45	-730.72	0.000000	0.00	0.000
1-76-P	100	100	27.14	2520.00	-45.09	-730.72	0.000000	0.00	0.000
1-77-P	100	100	27.14	2520.00	-75.79	-730.72	0.000000	0.00	0.000
1-78-P	100	100	27.14	2520.00	-44.28	-730.72	0.000000	0.00	0.000
1-79-P	100	100	27.14	2520.00	-20.04	-730.72	0.000000	0.00	0.000
1-80-P	100	100	27.14	2520.00	-8.47	-730.72	0.000000	0.00	0.000
1-81-P	100	100	27.14	2520.00	9.41	-730.72	0.000000	0.00	0.000
3-1-P	100	100	22.62	2520.00	18.12	-712.23	0.000000	0.00	0.000
3-2-P	100	100	22.62	2520.00	19.69	-712.23	0.000000	0.00	0.000
3-3-P	100	100	22.62	2520.00	24.46	-712.23	0.000000	0.00	0.000
3-4-P	100	100	22.62	2520.00	32.24	-712.23	0.000000	0.00	0.000
3-5-P	100	100	22.62	2520.00	44.55	712.23	0.000000	0.00	0.000
3-6-P	100	100	22.62	2520.00	46.23	712.23	0.000000	0.00	0.000
3-7-P	100	100	22.62	2520.00	47.90	712.23	0.000000	0.00	0.000
3-8-P	100	100	22.62	2520.00	53.66	712.23	0.000000	0.00	0.000
3-9-P	100	100	22.62	2520.00	62.14	712.23	0.000000	0.00	0.000
3-10-P	100	100	22.62	2520.00	68.57	712.23	0.000000	0.00	0.000
3-11-P	100	100	22.62	2520.00	66.84	712.23	0.000000	0.00	0.000
3-12-P	100	100	22.62	2520.00	65.10	712.23	0.000000	0.00	0.000
3-13-P	100	100	22.62	2520.00	55.96	712.23	0.000000	0.00	0.000
3-14-P	100	100	22.62	2520.00	44.98	712.23	0.000000	0.00	0.000
3-15-P	100	100	22.62	2520.00	38.12	712.23	0.000000	0.00	0.000
3-16-P	100	100	22.62	2520.00	37.47	712.23	0.000000	0.00	0.000
3-17-P	100	100	22.62	2520.00	36.82	712.23	0.000000	0.00	0.000
3-18-P	100	100	22.62	2520.00	33.80	712.23	0.000000	0.00	0.000
3-19-P	100	100	22.62	2520.00	30.77	712.23	0.000000	0.00	0.000
3-20-P	100	100	22.62	2520.00	34.04	712.23	0.000000	0.00	0.000
3-21-P	100	100	22.62	2520.00	41.51	712.23	0.000000	0.00	0.000
3-22-P	100	100	22.62	2520.00	47.24	712.23	0.000000	0.00	0.000
3-23-P	100	100	22.62	2520.00	45.99	712.23	0.000000	0.00	0.000
3-24-P	100	100	22.62	2520.00	44.74	712.23	0.000000	0.00	0.000
3-25-P	100	100	22.62	2520.00	36.51	712.23	0.000000	0.00	0.000
3-26-P	100	100	22.62	2520.00	26.52	712.23	0.000000	0.00	0.000
3-27-P	100	100	22.62	2520.00	20.72	712.23	0.000000	0.00	0.000
3-28-P	100	100	22.62	2520.00	21.19	712.23	0.000000	0.00	0.000
3-29-P	100	100	22.62	2520.00	21.65	712.23	0.000000	0.00	0.000
3-30-P	100	100	22.62	2520.00	19.71	712.23	0.000000	0.00	0.000
3-31-P	100	100	22.62	2520.00	17.86	-712.23	0.000000	0.00	0.000
3-32-P	100	100	22.62	2520.00	22.08	712.23	0.000000	0.00	0.000
3-33-P	100	100	22.62	2520.00	30.55	712.23	0.000000	0.00	0.000
3-34-P	100	100	22.62	2520.00	37.26	712.23	0.000000	0.00	0.000
3-35-P	100	100	22.62	2520.00	36.92	712.23	0.000000	0.00	0.000
3-36-P	100	100	22.62	2520.00	36.58	712.23	0.000000	0.00	0.000
3-37-P	100	100	22.62	2520.00	29.19	712.23	0.000000	0.00	0.000
3-38-P	100	100	22.62	2520.00	20.04	712.23	0.000000	0.00	0.000
3-39-P	100	100	22.62	2520.00	15.12	-712.23	0.000000	0.00	0.000
3-40-P	100	100	22.62	2520.00	16.27	712.23	0.000000	0.00	0.000
3-41-P	100	100	22.62	2520.00	17.50	712.23	0.000000	0.00	0.000
3-42-P	100	100	22.62	2520.00	16.27	712.23	0.000000	0.00	0.000
3-43-P	100	100	22.62	2520.00	15.12	-712.23	0.000000	0.00	0.000
3-44-P	100	100	22.62	2520.00	20.04	712.23	0.000000	0.00	0.000
3-45-P	100	100	22.62	2520.00	29.19	712.23	0.000000	0.00	0.000
3-46-P	100	100	22.62	2520.00	36.58	712.23	0.000000	0.00	0.000
3-47-P	100	100	22.62	2520.00	36.92	712.23	0.000000	0.00	0.000
3-48-P	100	100	22.62	2520.00	37.26	712.23	0.000000	0.00	0.000
3-49-P	100	100	22.62	2520.00	30.55	712.23	0.000000	0.00	0.000
3-50-P	100	100	22.62	2520.00	22.08	712.23	0.000000	0.00	0.000
3-51-P	100	100	22.62	2520.00	17.86	-712.23	0.000000	0.00	0.000
3-52-P	100	100	22.62	2520.00	19.71	712.23	0.000000	0.00	0.000
3-53-P	100	100	22.62	2520.00	21.65	712.23	0.000000	0.00	0.000
3-54-P	100	100	22.62	2520.00	21.19	712.23	0.000000	0.00	0.000
3-55-P	100	100	22.62	2520.00	20.72	712.23	0.000000	0.00	0.000
3-56-P	100	100	22.62	2520.00	26.52	712.23	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
3-57-P	100	100	22.62	2520.00	36.51	712.23	0.000000	0.00	0.000
3-58-P	100	100	22.62	2520.00	44.74	712.23	0.000000	0.00	0.000
3-59-P	100	100	22.62	2520.00	45.99	712.23	0.000000	0.00	0.000
3-60-P	100	100	22.62	2520.00	47.24	712.23	0.000000	0.00	0.000
3-61-P	100	100	22.62	2520.00	41.51	712.23	0.000000	0.00	0.000
3-62-P	100	100	22.62	2520.00	34.04	712.23	0.000000	0.00	0.000
3-63-P	100	100	22.62	2520.00	30.77	712.23	0.000000	0.00	0.000
3-64-P	100	100	22.62	2520.00	33.80	712.23	0.000000	0.00	0.000
3-65-P	100	100	22.62	2520.00	36.82	712.23	0.000000	0.00	0.000
3-66-P	100	100	22.62	2520.00	37.47	712.23	0.000000	0.00	0.000
3-67-P	100	100	22.62	2520.00	38.12	712.23	0.000000	0.00	0.000
3-68-P	100	100	22.62	2520.00	44.98	712.23	0.000000	0.00	0.000
3-69-P	100	100	22.62	2520.00	55.96	712.23	0.000000	0.00	0.000
3-70-P	100	100	22.62	2520.00	65.10	712.23	0.000000	0.00	0.000
3-71-P	100	100	22.62	2520.00	66.84	712.23	0.000000	0.00	0.000
3-72-P	100	100	22.62	2520.00	68.57	712.23	0.000000	0.00	0.000
3-73-P	100	100	22.62	2520.00	62.14	712.23	0.000000	0.00	0.000
3-74-P	100	100	22.62	2520.00	53.66	712.23	0.000000	0.00	0.000
3-75-P	100	100	22.62	2520.00	47.90	712.23	0.000000	0.00	0.000
3-76-P	100	100	22.62	2520.00	46.23	712.23	0.000000	0.00	0.000
3-77-P	100	100	22.62	2520.00	44.55	712.23	0.000000	0.00	0.000
3-78-P	100	100	22.62	2520.00	32.24	-712.23	0.000000	0.00	0.000
3-79-P	100	100	22.62	2520.00	24.46	-712.23	0.000000	0.00	0.000
3-80-P	100	100	22.62	2520.00	19.69	-712.23	0.000000	0.00	0.000
3-81-P	100	100	22.62	2520.00	18.12	-712.23	0.000000	0.00	0.000
4-1-P	100	100	22.62	2520.00	11.94	712.23	0.000000	0.00	0.000
4-2-P	100	100	22.62	2520.00	5.31	-712.23	0.000000	0.00	0.000
4-3-P	100	100	22.62	2520.00	-9.13	-712.23	0.000000	0.00	0.000
4-4-P	100	100	22.62	2520.00	-74.69	-712.23	0.000000	0.00	0.000
4-5-P	100	100	22.62	2520.00	-144.46	-712.23	0.000000	0.00	0.000
4-6-P	100	100	22.62	2520.00	-66.61	-712.23	0.000000	0.00	0.000
4-7-P	100	100	22.62	2520.00	23.88	-712.23	0.000000	0.00	0.000
4-8-P	100	100	22.62	2520.00	62.50	712.23	0.000000	0.00	0.000
4-9-P	100	100	22.62	2520.00	80.66	712.23	0.000000	0.00	0.000
4-10-P	100	100	22.62	2520.00	95.33	712.23	0.000000	0.00	0.000
4-11-P	100	100	22.62	2520.00	96.04	712.23	0.000000	0.00	0.000
4-12-P	100	100	22.62	2520.00	96.76	712.23	0.000000	0.00	0.000
4-13-P	100	100	22.62	2520.00	84.54	712.23	0.000000	0.00	0.000
4-14-P	100	100	22.62	2520.00	69.10	712.23	0.000000	0.00	0.000
4-15-P	100	100	22.62	2520.00	29.80	712.23	0.000000	0.00	0.000
4-16-P	100	100	22.62	2520.00	-47.33	-712.23	0.000000	0.00	0.000
4-17-P	100	100	22.62	2520.00	-121.55	-712.23	0.000000	0.00	0.000
4-18-P	100	100	22.62	2520.00	-51.43	-712.23	0.000000	0.00	0.000
4-19-P	100	100	22.62	2520.00	27.55	-712.23	0.000000	0.00	0.000
4-20-P	100	100	22.62	2520.00	63.12	712.23	0.000000	0.00	0.000
4-21-P	100	100	22.62	2520.00	76.99	712.23	0.000000	0.00	0.000
4-22-P	100	100	22.62	2520.00	87.87	712.23	0.000000	0.00	0.000
4-23-P	100	100	22.62	2520.00	86.82	712.23	0.000000	0.00	0.000
4-24-P	100	100	22.62	2520.00	85.78	712.23	0.000000	0.00	0.000
4-25-P	100	100	22.62	2520.00	72.84	712.23	0.000000	0.00	0.000
4-26-P	100	100	22.62	2520.00	56.92	712.23	0.000000	0.00	0.000
4-27-P	100	100	22.62	2520.00	17.41	712.23	0.000000	0.00	0.000
4-28-P	100	100	22.62	2520.00	-57.90	-712.23	0.000000	0.00	0.000
4-29-P	100	100	22.62	2520.00	-132.57	-712.23	0.000000	0.00	0.000
4-30-P	100	100	22.62	2520.00	-59.98	-712.23	0.000000	0.00	0.000
4-31-P	100	100	22.62	2520.00	18.89	-712.23	0.000000	0.00	0.000
4-32-P	100	100	22.62	2520.00	52.67	712.23	0.000000	0.00	0.000
4-33-P	100	100	22.62	2520.00	67.17	712.23	0.000000	0.00	0.000
4-34-P	100	100	22.62	2520.00	78.70	712.23	0.000000	0.00	0.000
4-35-P	100	100	22.62	2520.00	78.35	712.23	0.000000	0.00	0.000
4-36-P	100	100	22.62	2520.00	78.00	712.23	0.000000	0.00	0.000
4-37-P	100	100	22.62	2520.00	65.77	712.23	0.000000	0.00	0.000
4-38-P	100	100	22.62	2520.00	50.57	712.23	0.000000	0.00	0.000
4-39-P	100	100	22.62	2520.00	14.83	-712.23	0.000000	0.00	0.000
4-40-P	100	100	22.62	2520.00	-62.76	-712.23	0.000000	0.00	0.000
4-41-P	100	100	22.62	2520.00	-136.61	-712.23	0.000000	0.00	0.000
4-42-P	100	100	22.62	2520.00	-62.76	-712.23	0.000000	0.00	0.000
4-43-P	100	100	22.62	2520.00	14.83	-712.23	0.000000	0.00	0.000
4-44-P	100	100	22.62	2520.00	50.57	712.23	0.000000	0.00	0.000
4-45-P	100	100	22.62	2520.00	65.77	712.23	0.000000	0.00	0.000
4-46-P	100	100	22.62	2520.00	78.00	712.23	0.000000	0.00	0.000
4-47-P	100	100	22.62	2520.00	78.35	712.23	0.000000	0.00	0.000
4-48-P	100	100	22.62	2520.00	78.70	712.23	0.000000	0.00	0.000
4-49-P	100	100	22.62	2520.00	67.17	712.23	0.000000	0.00	0.000
4-50-P	100	100	22.62	2520.00	52.67	712.23	0.000000	0.00	0.000
4-51-P	100	100	22.62	2520.00	18.89	-712.23	0.000000	0.00	0.000
4-52-P	100	100	22.62	2520.00	-59.98	-712.23	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
4-53-P	100	100	22.62	2520.00	-132.57	-712.23	0.000000	0.00	0.000
4-54-P	100	100	22.62	2520.00	-57.90	-712.23	0.000000	0.00	0.000
4-55-P	100	100	22.62	2520.00	17.41	712.23	0.000000	0.00	0.000
4-56-P	100	100	22.62	2520.00	56.92	712.23	0.000000	0.00	0.000
4-57-P	100	100	22.62	2520.00	72.84	712.23	0.000000	0.00	0.000
4-58-P	100	100	22.62	2520.00	85.78	712.23	0.000000	0.00	0.000
4-59-P	100	100	22.62	2520.00	86.82	712.23	0.000000	0.00	0.000
4-60-P	100	100	22.62	2520.00	87.87	712.23	0.000000	0.00	0.000
4-61-P	100	100	22.62	2520.00	76.99	712.23	0.000000	0.00	0.000
4-62-P	100	100	22.62	2520.00	63.12	712.23	0.000000	0.00	0.000
4-63-P	100	100	22.62	2520.00	27.55	-712.23	0.000000	0.00	0.000
4-64-P	100	100	22.62	2520.00	-51.43	-712.23	0.000000	0.00	0.000
4-65-P	100	100	22.62	2520.00	-121.55	-712.23	0.000000	0.00	0.000
4-66-P	100	100	22.62	2520.00	-47.33	-712.23	0.000000	0.00	0.000
4-67-P	100	100	22.62	2520.00	29.80	712.23	0.000000	0.00	0.000
4-68-P	100	100	22.62	2520.00	69.10	712.23	0.000000	0.00	0.000
4-69-P	100	100	22.62	2520.00	84.54	712.23	0.000000	0.00	0.000
4-70-P	100	100	22.62	2520.00	96.76	712.23	0.000000	0.00	0.000
4-71-P	100	100	22.62	2520.00	96.04	712.23	0.000000	0.00	0.000
4-72-P	100	100	22.62	2520.00	95.33	712.23	0.000000	0.00	0.000
4-73-P	100	100	22.62	2520.00	80.66	712.23	0.000000	0.00	0.000
4-74-P	100	100	22.62	2520.00	62.50	712.23	0.000000	0.00	0.000
4-75-P	100	100	22.62	2520.00	23.88	-712.23	0.000000	0.00	0.000
4-76-P	100	100	22.62	2520.00	-66.61	-712.23	0.000000	0.00	0.000
4-77-P	100	100	22.62	2520.00	-144.46	-712.23	0.000000	0.00	0.000
4-78-P	100	100	22.62	2520.00	-74.69	-712.23	0.000000	0.00	0.000
4-79-P	100	100	22.62	2520.00	-9.13	-712.23	0.000000	0.00	0.000
4-80-P	100	100	22.62	2520.00	5.31	-712.23	0.000000	0.00	0.000
4-81-P	100	100	22.62	2520.00	11.94	712.23	0.000000	0.00	0.000
5-1-P	100	100	27.14	2520.00	-8.17	-730.72	0.000000	0.00	0.000
5-2-P	100	100	27.14	2520.00	-13.79	-730.72	0.000000	0.00	0.000
5-3-P	100	100	27.14	2520.00	-19.43	-730.72	0.000000	0.00	0.000
5-4-P	100	100	27.14	2520.00	-18.97	-730.72	0.000000	0.00	0.000
5-5-P	100	100	27.14	2520.00	-18.90	-730.72	0.000000	0.00	0.000
5-6-P	100	100	27.14	2520.00	10.45	-730.72	0.000000	0.00	0.000
5-7-P	100	100	27.14	2520.00	20.04	730.72	0.000000	0.00	0.000
5-8-P	100	100	27.14	2520.00	39.07	730.72	0.000000	0.00	0.000
5-9-P	100	100	27.14	2520.00	59.73	730.72	0.000000	0.00	0.000
5-10-P	100	100	27.14	2520.00	76.72	730.72	0.000000	0.00	0.000
5-11-P	100	100	27.14	2520.00	78.98	730.72	0.000000	0.00	0.000
5-12-P	100	100	27.14	2520.00	81.25	730.72	0.000000	0.00	0.000
5-13-P	100	100	27.14	2520.00	69.22	730.72	0.000000	0.00	0.000
5-14-P	100	100	27.14	2520.00	53.62	730.72	0.000000	0.00	0.000
5-15-P	100	100	27.14	2520.00	40.22	730.72	0.000000	0.00	0.000
5-16-P	100	100	27.14	2520.00	31.24	-730.72	0.000000	0.00	0.000
5-17-P	100	100	27.14	2520.00	24.99	-730.72	0.000000	0.00	0.000
5-18-P	100	100	27.14	2520.00	30.77	-730.72	0.000000	0.00	0.000
5-19-P	100	100	27.14	2520.00	39.20	730.72	0.000000	0.00	0.000
5-20-P	100	100	27.14	2520.00	52.46	730.72	0.000000	0.00	0.000
5-21-P	100	100	27.14	2520.00	68.17	730.72	0.000000	0.00	0.000
5-22-P	100	100	27.14	2520.00	80.58	730.72	0.000000	0.00	0.000
5-23-P	100	100	27.14	2520.00	79.76	730.72	0.000000	0.00	0.000
5-24-P	100	100	27.14	2520.00	78.95	730.72	0.000000	0.00	0.000
5-25-P	100	100	27.14	2520.00	65.00	730.72	0.000000	0.00	0.000
5-26-P	100	100	27.14	2520.00	47.76	730.72	0.000000	0.00	0.000
5-27-P	100	100	27.14	2520.00	33.09	730.72	0.000000	0.00	0.000
5-28-P	100	100	27.14	2520.00	24.09	-730.72	0.000000	0.00	0.000
5-29-P	100	100	27.14	2520.00	17.84	-730.72	0.000000	0.00	0.000
5-30-P	100	100	27.14	2520.00	22.87	-730.72	0.000000	0.00	0.000
5-31-P	100	100	27.14	2520.00	30.37	730.72	0.000000	0.00	0.000
5-32-P	100	100	27.14	2520.00	43.71	730.72	0.000000	0.00	0.000
5-33-P	100	100	27.14	2520.00	59.64	730.72	0.000000	0.00	0.000
5-34-P	100	100	27.14	2520.00	72.32	730.72	0.000000	0.00	0.000
5-35-P	100	100	27.14	2520.00	71.95	730.72	0.000000	0.00	0.000
5-36-P	100	100	27.14	2520.00	71.58	730.72	0.000000	0.00	0.000
5-37-P	100	100	27.14	2520.00	58.18	730.72	0.000000	0.00	0.000
5-38-P	100	100	27.14	2520.00	41.52	730.72	0.000000	0.00	0.000
5-39-P	100	100	27.14	2520.00	27.46	730.72	0.000000	0.00	0.000
5-40-P	100	100	27.14	2520.00	19.68	-730.72	0.000000	0.00	0.000
5-41-P	100	100	27.14	2520.00	14.48	-730.72	0.000000	0.00	0.000
5-42-P	100	100	27.14	2520.00	19.68	-730.72	0.000000	0.00	0.000
5-43-P	100	100	27.14	2520.00	27.46	730.72	0.000000	0.00	0.000
5-44-P	100	100	27.14	2520.00	41.52	730.72	0.000000	0.00	0.000
5-45-P	100	100	27.14	2520.00	58.18	730.72	0.000000	0.00	0.000
5-46-P	100	100	27.14	2520.00	71.58	730.72	0.000000	0.00	0.000
5-47-P	100	100	27.14	2520.00	71.95	730.72	0.000000	0.00	0.000
5-48-P	100	100	27.14	2520.00	72.32	730.72	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
5-49-P	100	100	27.14	2520.00	59.64	730.72	0.000000	0.00	0.000
5-50-P	100	100	27.14	2520.00	43.71	730.72	0.000000	0.00	0.000
5-51-P	100	100	27.14	2520.00	30.37	730.72	0.000000	0.00	0.000
5-52-P	100	100	27.14	2520.00	22.87	-730.72	0.000000	0.00	0.000
5-53-P	100	100	27.14	2520.00	17.84	-730.72	0.000000	0.00	0.000
5-54-P	100	100	27.14	2520.00	24.09	-730.72	0.000000	0.00	0.000
5-55-P	100	100	27.14	2520.00	33.09	730.72	0.000000	0.00	0.000
5-56-P	100	100	27.14	2520.00	47.76	730.72	0.000000	0.00	0.000
5-57-P	100	100	27.14	2520.00	65.00	730.72	0.000000	0.00	0.000
5-58-P	100	100	27.14	2520.00	78.95	730.72	0.000000	0.00	0.000
5-59-P	100	100	27.14	2520.00	79.76	730.72	0.000000	0.00	0.000
5-60-P	100	100	27.14	2520.00	80.58	730.72	0.000000	0.00	0.000
5-61-P	100	100	27.14	2520.00	68.17	730.72	0.000000	0.00	0.000
5-62-P	100	100	27.14	2520.00	52.46	730.72	0.000000	0.00	0.000
5-63-P	100	100	27.14	2520.00	39.20	730.72	0.000000	0.00	0.000
5-64-P	100	100	27.14	2520.00	30.77	-730.72	0.000000	0.00	0.000
5-65-P	100	100	27.14	2520.00	24.99	-730.72	0.000000	0.00	0.000
5-66-P	100	100	27.14	2520.00	31.24	-730.72	0.000000	0.00	0.000
5-67-P	100	100	27.14	2520.00	40.22	730.72	0.000000	0.00	0.000
5-68-P	100	100	27.14	2520.00	53.62	730.72	0.000000	0.00	0.000
5-69-P	100	100	27.14	2520.00	69.22	730.72	0.000000	0.00	0.000
5-70-P	100	100	27.14	2520.00	81.25	730.72	0.000000	0.00	0.000
5-71-P	100	100	27.14	2520.00	78.98	730.72	0.000000	0.00	0.000
5-72-P	100	100	27.14	2520.00	76.72	730.72	0.000000	0.00	0.000
5-73-P	100	100	27.14	2520.00	59.73	730.72	0.000000	0.00	0.000
5-74-P	100	100	27.14	2520.00	39.07	730.72	0.000000	0.00	0.000
5-75-P	100	100	27.14	2520.00	20.04	730.72	0.000000	0.00	0.000
5-76-P	100	100	27.14	2520.00	10.45	-730.72	0.000000	0.00	0.000
5-77-P	100	100	27.14	2520.00	-18.90	-730.72	0.000000	0.00	0.000
5-78-P	100	100	27.14	2520.00	-18.97	-730.72	0.000000	0.00	0.000
5-79-P	100	100	27.14	2520.00	-19.43	-730.72	0.000000	0.00	0.000
5-80-P	100	100	27.14	2520.00	-13.79	-730.72	0.000000	0.00	0.000
5-81-P	100	100	27.14	2520.00	-8.17	-730.72	0.000000	0.00	0.000
6-1-P	100	100	22.62	2520.00	2.28	-712.23	0.000000	0.00	0.000
6-2-P	100	100	22.62	2520.00	-10.48	-712.23	0.000000	0.00	0.000
6-3-P	100	100	22.62	2520.00	-20.92	-712.23	0.000000	0.00	0.000
6-4-P	100	100	22.62	2520.00	-28.26	-712.23	0.000000	0.00	0.000
6-5-P	100	100	22.62	2520.00	-39.85	-712.23	0.000000	0.00	0.000
6-6-P	100	100	22.62	2520.00	-21.62	-712.23	0.000000	0.00	0.000
6-7-P	100	100	22.62	2520.00	23.41	-712.23	0.000000	0.00	0.000
6-8-P	100	100	22.62	2520.00	36.82	-712.23	0.000000	0.00	0.000
6-9-P	100	100	22.62	2520.00	58.61	712.23	0.000000	0.00	0.000
6-10-P	100	100	22.62	2520.00	76.82	712.23	0.000000	0.00	0.000
6-11-P	100	100	22.62	2520.00	79.70	712.23	0.000000	0.00	0.000
6-12-P	100	100	22.62	2520.00	82.58	712.23	0.000000	0.00	0.000
6-13-P	100	100	22.62	2520.00	70.62	712.23	0.000000	0.00	0.000
6-14-P	100	100	22.62	2520.00	54.96	712.23	0.000000	0.00	0.000
6-15-P	100	100	22.62	2520.00	39.62	712.23	0.000000	0.00	0.000
6-16-P	100	100	22.62	2520.00	30.94	-712.23	0.000000	0.00	0.000
6-17-P	100	100	22.62	2520.00	31.80	-712.23	0.000000	0.00	0.000
6-18-P	100	100	22.62	2520.00	33.82	-712.23	0.000000	0.00	0.000
6-19-P	100	100	22.62	2520.00	41.80	-712.23	0.000000	0.00	0.000
6-20-P	100	100	22.62	2520.00	57.47	712.23	0.000000	0.00	0.000
6-21-P	100	100	22.62	2520.00	74.40	712.23	0.000000	0.00	0.000
6-22-P	100	100	22.62	2520.00	87.82	712.23	0.000000	0.00	0.000
6-23-P	100	100	22.62	2520.00	87.23	712.23	0.000000	0.00	0.000
6-24-P	100	100	22.62	2520.00	86.65	712.23	0.000000	0.00	0.000
6-25-P	100	100	22.62	2520.00	72.16	712.23	0.000000	0.00	0.000
6-26-P	100	100	22.62	2520.00	54.20	712.23	0.000000	0.00	0.000
6-27-P	100	100	22.62	2520.00	36.92	712.23	0.000000	0.00	0.000
6-28-P	100	100	22.62	2520.00	27.27	-712.23	0.000000	0.00	0.000
6-29-P	100	100	22.62	2520.00	27.31	-712.23	0.000000	0.00	0.000
6-30-P	100	100	22.62	2520.00	27.54	-712.23	0.000000	0.00	0.000
6-31-P	100	100	22.62	2520.00	34.32	712.23	0.000000	0.00	0.000
6-32-P	100	100	22.62	2520.00	50.36	712.23	0.000000	0.00	0.000
6-33-P	100	100	22.62	2520.00	67.13	712.23	0.000000	0.00	0.000
6-34-P	100	100	22.62	2520.00	80.47	712.23	0.000000	0.00	0.000
6-35-P	100	100	22.62	2520.00	80.08	712.23	0.000000	0.00	0.000
6-36-P	100	100	22.62	2520.00	79.70	712.23	0.000000	0.00	0.000
6-37-P	100	100	22.62	2520.00	65.60	712.23	0.000000	0.00	0.000
6-38-P	100	100	22.62	2520.00	48.08	712.23	0.000000	0.00	0.000
6-39-P	100	100	22.62	2520.00	31.31	712.23	0.000000	0.00	0.000
6-40-P	100	100	22.62	2520.00	23.99	-712.23	0.000000	0.00	0.000
6-41-P	100	100	22.62	2520.00	-25.39	-712.23	0.000000	0.00	0.000
6-42-P	100	100	22.62	2520.00	23.99	-712.23	0.000000	0.00	0.000
6-43-P	100	100	22.62	2520.00	31.31	712.23	0.000000	0.00	0.000
6-44-P	100	100	22.62	2520.00	48.08	712.23	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
6-45-P	100	100	22.62	2520.00	65.60	712.23	0.000000	0.00	0.000
6-46-P	100	100	22.62	2520.00	79.70	712.23	0.000000	0.00	0.000
6-47-P	100	100	22.62	2520.00	80.08	712.23	0.000000	0.00	0.000
6-48-P	100	100	22.62	2520.00	80.47	712.23	0.000000	0.00	0.000
6-49-P	100	100	22.62	2520.00	67.13	712.23	0.000000	0.00	0.000
6-50-P	100	100	22.62	2520.00	50.36	712.23	0.000000	0.00	0.000
6-51-P	100	100	22.62	2520.00	34.32	712.23	0.000000	0.00	0.000
6-52-P	100	100	22.62	2520.00	27.54	-712.23	0.000000	0.00	0.000
6-53-P	100	100	22.62	2520.00	27.31	-712.23	0.000000	0.00	0.000
6-54-P	100	100	22.62	2520.00	27.27	-712.23	0.000000	0.00	0.000
6-55-P	100	100	22.62	2520.00	36.92	712.23	0.000000	0.00	0.000
6-56-P	100	100	22.62	2520.00	54.20	712.23	0.000000	0.00	0.000
6-57-P	100	100	22.62	2520.00	72.16	712.23	0.000000	0.00	0.000
6-58-P	100	100	22.62	2520.00	86.65	712.23	0.000000	0.00	0.000
6-59-P	100	100	22.62	2520.00	87.23	712.23	0.000000	0.00	0.000
6-60-P	100	100	22.62	2520.00	87.82	712.23	0.000000	0.00	0.000
6-61-P	100	100	22.62	2520.00	74.40	712.23	0.000000	0.00	0.000
6-62-P	100	100	22.62	2520.00	57.47	712.23	0.000000	0.00	0.000
6-63-P	100	100	22.62	2520.00	41.80	-712.23	0.000000	0.00	0.000
6-64-P	100	100	22.62	2520.00	33.82	-712.23	0.000000	0.00	0.000
6-65-P	100	100	22.62	2520.00	31.80	-712.23	0.000000	0.00	0.000
6-66-P	100	100	22.62	2520.00	30.94	-712.23	0.000000	0.00	0.000
6-67-P	100	100	22.62	2520.00	39.62	712.23	0.000000	0.00	0.000
6-68-P	100	100	22.62	2520.00	54.96	712.23	0.000000	0.00	0.000
6-69-P	100	100	22.62	2520.00	70.62	712.23	0.000000	0.00	0.000
6-70-P	100	100	22.62	2520.00	82.58	712.23	0.000000	0.00	0.000
6-71-P	100	100	22.62	2520.00	79.70	712.23	0.000000	0.00	0.000
6-72-P	100	100	22.62	2520.00	76.82	712.23	0.000000	0.00	0.000
6-73-P	100	100	22.62	2520.00	58.61	712.23	0.000000	0.00	0.000
6-74-P	100	100	22.62	2520.00	36.82	-712.23	0.000000	0.00	0.000
6-75-P	100	100	22.62	2520.00	23.41	-712.23	0.000000	0.00	0.000
6-76-P	100	100	22.62	2520.00	-21.62	-712.23	0.000000	0.00	0.000
6-77-P	100	100	22.62	2520.00	-39.85	-712.23	0.000000	0.00	0.000
6-78-P	100	100	22.62	2520.00	-28.26	-712.23	0.000000	0.00	0.000
6-79-P	100	100	22.62	2520.00	-20.92	-712.23	0.000000	0.00	0.000
6-80-P	100	100	22.62	2520.00	-10.48	-712.23	0.000000	0.00	0.000
6-81-P	100	100	22.62	2520.00	2.28	-712.23	0.000000	0.00	0.000
7-1-P	100	100	22.62	2519.91	-7.97	-712.21	0.000000	0.00	0.000
7-2-P	100	100	22.62	2519.91	-18.30	-712.21	0.000000	0.00	0.000
7-3-P	100	100	22.62	2519.91	-33.23	-712.21	0.000000	0.00	0.000
7-4-P	100	100	22.62	2519.91	-96.77	-712.21	0.000000	0.00	0.000
7-5-P	100	100	22.62	2519.91	-162.56	-712.21	0.000000	0.00	0.000
7-6-P	100	100	22.62	2519.91	-89.53	-712.21	0.000000	0.00	0.000
7-7-P	100	100	22.62	2519.91	-33.15	-712.21	0.000000	0.00	0.000
7-8-P	100	100	22.62	2519.91	36.28	-712.21	0.000000	0.00	0.000
7-9-P	100	100	22.62	2519.91	54.60	-712.21	0.000000	0.00	0.000
7-10-P	100	100	22.62	2519.91	75.71	712.21	0.000000	0.00	0.000
7-11-P	100	100	22.62	2519.91	78.86	712.21	0.000000	0.00	0.000
7-12-P	100	100	22.62	2519.91	82.01	712.21	0.000000	0.00	0.000
7-13-P	100	100	22.62	2519.91	66.80	712.21	0.000000	0.00	0.000
7-14-P	100	100	22.62	2519.91	47.01	712.21	0.000000	0.00	0.000
7-15-P	100	100	22.62	2519.91	11.49	-712.21	0.000000	0.00	0.000
7-16-P	100	100	22.62	2519.91	-58.00	-712.21	0.000000	0.00	0.000
7-17-P	100	100	22.62	2519.91	-124.52	-712.21	0.000000	0.00	0.000
7-18-P	100	100	22.62	2519.91	-56.77	-712.21	0.000000	0.00	0.000
7-19-P	100	100	22.62	2519.91	24.81	-712.21	0.000000	0.00	0.000
7-20-P	100	100	22.62	2519.91	51.85	-712.21	0.000000	0.00	0.000
7-21-P	100	100	22.62	2519.91	73.26	712.21	0.000000	0.00	0.000
7-22-P	100	100	22.62	2519.91	90.51	712.21	0.000000	0.00	0.000
7-23-P	100	100	22.62	2519.91	90.07	712.21	0.000000	0.00	0.000
7-24-P	100	100	22.62	2519.91	89.62	712.21	0.000000	0.00	0.000
7-25-P	100	100	22.62	2519.91	71.60	712.21	0.000000	0.00	0.000
7-26-P	100	100	22.62	2519.91	49.19	712.21	0.000000	0.00	0.000
7-27-P	100	100	22.62	2519.91	10.54	-712.21	0.000000	0.00	0.000
7-28-P	100	100	22.62	2519.91	-59.82	-712.21	0.000000	0.00	0.000
7-29-P	100	100	22.62	2519.91	-128.07	-712.21	0.000000	0.00	0.000
7-30-P	100	100	22.62	2519.91	-61.11	-712.21	0.000000	0.00	0.000
7-31-P	100	100	22.62	2519.91	16.70	-712.21	0.000000	0.00	0.000
7-32-P	100	100	22.62	2519.91	45.44	712.21	0.000000	0.00	0.000
7-33-P	100	100	22.62	2519.91	66.72	712.21	0.000000	0.00	0.000
7-34-P	100	100	22.62	2519.91	83.66	712.21	0.000000	0.00	0.000
7-35-P	100	100	22.62	2519.91	83.25	712.21	0.000000	0.00	0.000
7-36-P	100	100	22.62	2519.91	82.85	712.21	0.000000	0.00	0.000
7-37-P	100	100	22.62	2519.91	65.12	712.21	0.000000	0.00	0.000
7-38-P	100	100	22.62	2519.91	43.06	712.21	0.000000	0.00	0.000
7-39-P	100	100	22.62	2519.91	10.94	-712.21	0.000000	0.00	0.000
7-40-P	100	100	22.62	2519.91	-64.94	-712.21	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
7-41-P	100	100	22.62	2519.91	-132.62	-712.21	0.000000	0.00	0.000
7-42-P	100	100	22.62	2519.91	-64.94	-712.21	0.000000	0.00	0.000
7-43-P	100	100	22.62	2519.91	10.94	-712.21	0.000000	0.00	0.000
7-44-P	100	100	22.62	2519.91	43.06	712.21	0.000000	0.00	0.000
7-45-P	100	100	22.62	2519.91	65.12	712.21	0.000000	0.00	0.000
7-46-P	100	100	22.62	2519.91	82.85	712.21	0.000000	0.00	0.000
7-47-P	100	100	22.62	2519.91	83.25	712.21	0.000000	0.00	0.000
7-48-P	100	100	22.62	2519.91	83.66	712.21	0.000000	0.00	0.000
7-49-P	100	100	22.62	2519.91	66.72	712.21	0.000000	0.00	0.000
7-50-P	100	100	22.62	2519.91	45.44	712.21	0.000000	0.00	0.000
7-51-P	100	100	22.62	2519.91	16.70	-712.21	0.000000	0.00	0.000
7-52-P	100	100	22.62	2519.91	-61.11	-712.21	0.000000	0.00	0.000
7-53-P	100	100	22.62	2519.91	-128.07	-712.21	0.000000	0.00	0.000
7-54-P	100	100	22.62	2519.91	-59.82	-712.21	0.000000	0.00	0.000
7-55-P	100	100	22.62	2519.91	10.54	-712.21	0.000000	0.00	0.000
7-56-P	100	100	22.62	2519.91	49.19	712.21	0.000000	0.00	0.000
7-57-P	100	100	22.62	2519.91	71.60	712.21	0.000000	0.00	0.000
7-58-P	100	100	22.62	2519.91	89.62	712.21	0.000000	0.00	0.000
7-59-P	100	100	22.62	2519.91	90.07	712.21	0.000000	0.00	0.000
7-60-P	100	100	22.62	2519.91	90.51	712.21	0.000000	0.00	0.000
7-61-P	100	100	22.62	2519.91	73.26	712.21	0.000000	0.00	0.000
7-62-P	100	100	22.62	2519.91	51.85	-712.21	0.000000	0.00	0.000
7-63-P	100	100	22.62	2519.91	24.81	-712.21	0.000000	0.00	0.000
7-64-P	100	100	22.62	2519.91	-56.77	-712.21	0.000000	0.00	0.000
7-65-P	100	100	22.62	2519.91	-124.52	-712.21	0.000000	0.00	0.000
7-66-P	100	100	22.62	2519.91	-58.00	-712.21	0.000000	0.00	0.000
7-67-P	100	100	22.62	2519.91	11.49	-712.21	0.000000	0.00	0.000
7-68-P	100	100	22.62	2519.91	47.01	712.21	0.000000	0.00	0.000
7-69-P	100	100	22.62	2519.91	66.80	712.21	0.000000	0.00	0.000
7-70-P	100	100	22.62	2519.91	82.01	712.21	0.000000	0.00	0.000
7-71-P	100	100	22.62	2519.91	78.86	712.21	0.000000	0.00	0.000
7-72-P	100	100	22.62	2519.91	75.71	712.21	0.000000	0.00	0.000
7-73-P	100	100	22.62	2519.91	54.60	-712.21	0.000000	0.00	0.000
7-74-P	100	100	22.62	2519.91	36.28	-712.21	0.000000	0.00	0.000
7-75-P	100	100	22.62	2519.91	-33.15	-712.21	0.000000	0.00	0.000
7-76-P	100	100	22.62	2519.91	-89.53	-712.21	0.000000	0.00	0.000
7-77-P	100	100	22.62	2519.91	-162.56	-712.21	0.000000	0.00	0.000
7-78-P	100	100	22.62	2519.91	-96.77	-712.21	0.000000	0.00	0.000
7-79-P	100	100	22.62	2519.91	-33.23	-712.21	0.000000	0.00	0.000
7-80-P	100	100	22.62	2519.91	-18.30	-712.21	0.000000	0.00	0.000
7-81-P	100	100	22.62	2519.91	-7.97	-712.21	0.000000	0.00	0.000
8-1-S	100	100	27.14	2520.00	-7.37	-725.34	0.000000	0.00	0.000
8-2-S	100	100	27.14	2520.00	-11.47	-725.34	0.000000	0.00	0.000
8-3-S	100	100	27.14	2520.00	-15.27	-725.34	0.000000	0.00	0.000
8-4-S	100	100	27.14	2520.00	-68.51	-725.34	0.000000	0.00	0.000
8-5-S	100	100	27.14	2520.00	-86.87	-725.34	0.000000	0.00	0.000
8-6-S	100	100	22.62	2520.00	259.41	717.54	0.000000	0.00	0.000
8-7-S	100	100	22.62	2520.00	247.78	717.54	0.000000	0.00	0.000
8-8-S	100	100	27.14	2520.00	236.17	-725.34	0.000000	0.00	0.000
8-9-S	100	100	27.14	2520.00	215.33	-725.34	0.000000	0.00	0.000
8-10-S	100	100	27.14	2520.00	194.52	-725.34	0.000000	0.00	0.000
8-11-S	100	100	27.14	2520.00	121.36	-725.34	0.000000	0.00	0.000
8-12-S	100	100	27.14	2520.00	64.55	-725.34	0.000000	0.00	0.000
8-13-S	100	100	27.14	2520.00	72.49	-725.34	0.000000	0.00	0.000
8-14-S	100	100	27.14	2520.00	92.63	-725.34	0.000000	0.00	0.000
8-15-S	100	100	27.14	2520.00	114.20	-725.34	0.000000	0.00	0.000
8-16-S	100	100	27.14	2520.00	134.47	-725.34	0.000000	0.00	0.000
8-17-S	100	100	27.14	2520.00	154.93	-725.34	0.000000	0.00	0.000
8-18-S	100	100	27.14	2520.00	158.25	-725.34	0.000000	0.00	0.000
8-19-S	100	100	27.14	2520.00	150.40	-725.34	0.000000	0.00	0.000
8-20-S	100	100	27.14	2520.00	142.53	-725.34	0.000000	0.00	0.000
8-21-S	100	100	27.14	2520.00	87.73	-725.34	0.000000	0.00	0.000
8-22-S	100	100	27.14	2520.00	34.21	-725.34	0.000000	0.00	0.000
8-23-S	100	100	27.14	2520.00	-38.22	-725.34	0.000000	0.00	0.000
8-24-S	100	100	27.14	2520.00	-31.93	-725.34	0.000000	0.00	0.000
8-25-S	100	100	27.14	2520.00	-19.63	-725.34	0.000000	0.00	0.000
8-26-S	100	100	27.14	2520.00	-3.82	-725.34	0.000000	0.00	0.000
9-1-S	100	100	27.14	2520.00	6.72	-725.34	0.000000	0.00	0.000
9-2-S	100	100	27.14	2520.00	9.22	-725.34	0.000000	0.00	0.000
9-3-S	100	100	27.14	2520.00	-13.63	-725.34	0.000000	0.00	0.000
9-4-S	100	100	27.14	2520.00	-81.39	-725.34	0.000000	0.00	0.000
9-5-S	100	100	27.14	2520.00	-105.51	-725.34	0.000000	0.00	0.000
9-6-S	100	100	22.62	2520.00	219.95	717.54	0.000000	0.00	0.000
9-7-S	100	100	22.62	2520.00	220.10	717.54	0.000000	0.00	0.000
9-8-S	100	100	22.62	2520.00	220.26	717.54	0.000000	0.00	0.000
9-9-S	100	100	22.62	2520.00	207.06	717.54	0.000000	0.00	0.000
9-10-S	100	100	22.62	2520.00	193.87	717.54	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
9-11-S	100	100	27.14	2520.00	123.46	-725.34	0.000000	0.00	0.000
9-12-S	100	100	27.14	2520.00	71.51	-725.34	0.000000	0.00	0.000
9-13-S	100	100	27.14	2520.00	79.88	-725.34	0.000000	0.00	0.000
9-14-S	100	100	27.14	2520.00	100.06	-725.34	0.000000	0.00	0.000
9-15-S	100	100	27.14	2520.00	121.31	-725.34	0.000000	0.00	0.000
9-16-S	100	100	27.14	2520.00	139.42	-725.34	0.000000	0.00	0.000
9-17-S	100	100	22.62	2520.00	157.65	717.54	0.000000	0.00	0.000
9-18-S	100	100	22.62	2520.00	160.99	717.54	0.000000	0.00	0.000
9-19-S	100	100	22.62	2520.00	154.34	717.54	0.000000	0.00	0.000
9-20-S	100	100	27.14	2520.00	148.05	-725.34	0.000000	0.00	0.000
9-21-S	100	100	27.14	2520.00	95.15	-725.34	0.000000	0.00	0.000
9-22-S	100	100	27.14	2520.00	46.23	-725.34	0.000000	0.00	0.000
9-23-S	100	100	27.14	2520.00	-47.79	-725.34	0.000000	0.00	0.000
9-24-S	100	100	27.14	2520.00	-39.30	-725.34	0.000000	0.00	0.000
9-25-S	100	100	27.14	2520.00	-25.54	-725.34	0.000000	0.00	0.000
9-26-S	100	100	27.14	2520.00	-9.26	-725.34	0.000000	0.00	0.000
10-1-S	100	100	31.67	2520.00	-4.72	-738.42	0.000000	0.00	0.000
10-2-S	100	100	31.67	2520.00	-2.49	-738.42	0.000000	0.00	0.000
10-3-S	100	100	31.67	2520.00	-1.67	-738.42	0.000000	0.00	0.000
10-4-S	100	100	31.67	2520.00	-3.70	-738.42	0.000000	0.00	0.000
10-5-S	100	100	31.67	2520.00	-7.55	-738.42	0.000000	0.00	0.000
10-6-S	100	100	22.62	2520.00	141.49	722.73	0.000000	0.00	0.000
10-7-S	100	100	22.62	2520.00	153.18	722.73	0.000000	0.00	0.000
10-8-S	100	100	22.62	2520.00	164.88	722.73	0.000000	0.00	0.000
10-9-S	100	100	22.62	2520.00	160.82	722.73	0.000000	0.00	0.000
10-10-S	100	100	22.62	2520.00	156.76	722.73	0.000000	0.00	0.000
10-11-S	100	100	22.62	2520.00	150.09	722.73	0.000000	0.00	0.000
10-12-S	100	100	22.62	2520.00	143.42	722.73	0.000000	0.00	0.000
10-13-S	100	100	22.62	2520.00	142.64	722.73	0.000000	0.00	0.000
10-14-S	100	100	22.62	2520.00	141.85	722.73	0.000000	0.00	0.000
10-15-S	100	100	22.62	2520.00	141.72	722.73	0.000000	0.00	0.000
10-16-S	100	100	22.62	2520.00	143.12	722.73	0.000000	0.00	0.000
10-17-S	100	100	22.62	2520.00	144.51	722.73	0.000000	0.00	0.000
10-18-S	100	100	22.62	2520.00	138.56	722.73	0.000000	0.00	0.000
10-19-S	100	100	22.62	2520.00	127.70	722.73	0.000000	0.00	0.000
10-20-S	100	100	22.62	2520.00	116.85	722.73	0.000000	0.00	0.000
10-21-S	100	100	22.62	2520.00	95.63	722.73	0.000000	0.00	0.000
10-22-S	100	100	22.62	2520.00	73.26	722.73	0.000000	0.00	0.000
10-23-S	100	100	22.62	2520.00	50.85	722.73	0.000000	0.00	0.000
10-24-S	100	100	22.62	2520.00	28.28	722.73	0.000000	0.00	0.000
10-25-S	100	100	22.62	2520.00	13.09	722.73	0.000000	0.00	0.000
10-26-S	100	100	31.67	2520.00	3.75	-738.42	0.000000	0.00	0.000
11-1-S	100	100	31.67	2520.00	6.48	-738.42	0.000000	0.00	0.000
11-2-S	100	100	31.67	2520.00	-8.40	-738.42	0.000000	0.00	0.000
11-3-S	100	100	31.67	2520.00	-13.23	-738.42	0.000000	0.00	0.000
11-4-S	100	100	31.67	2520.00	-77.58	-738.42	0.000000	0.00	0.000
11-5-S	100	100	31.67	2520.00	-98.14	-738.42	0.000000	0.00	0.000
11-6-S	100	100	22.62	2520.00	132.51	722.73	0.000000	0.00	0.000
11-7-S	100	100	22.62	2520.00	148.92	722.73	0.000000	0.00	0.000
11-8-S	100	100	22.62	2520.00	165.32	722.73	0.000000	0.00	0.000
11-9-S	100	100	22.62	2520.00	162.91	722.73	0.000000	0.00	0.000
11-10-S	100	100	22.62	2520.00	160.50	722.73	0.000000	0.00	0.000
11-11-S	100	100	31.67	2520.00	98.75	-738.42	0.000000	0.00	0.000
11-12-S	100	100	31.67	2520.00	59.85	-738.42	0.000000	0.00	0.000
11-13-S	100	100	31.67	2520.00	69.79	-738.42	0.000000	0.00	0.000
11-14-S	100	100	31.67	2520.00	93.39	-738.42	0.000000	0.00	0.000
11-15-S	100	100	22.62	2520.00	118.39	722.73	0.000000	0.00	0.000
11-16-S	100	100	22.62	2520.00	138.67	722.73	0.000000	0.00	0.000
11-17-S	100	100	22.62	2520.00	158.95	722.73	0.000000	0.00	0.000
11-18-S	100	100	22.62	2520.00	163.12	722.73	0.000000	0.00	0.000
11-19-S	100	100	22.62	2520.00	156.56	722.73	0.000000	0.00	0.000
11-20-S	100	100	22.62	2520.00	149.99	722.73	0.000000	0.00	0.000
11-21-S	100	100	31.67	2520.00	95.44	-738.42	0.000000	0.00	0.000
11-22-S	100	100	31.67	2520.00	41.24	-738.42	0.000000	0.00	0.000
11-23-S	100	100	31.67	2520.00	-37.29	-738.42	0.000000	0.00	0.000
11-24-S	100	100	31.67	2520.00	-31.09	-738.42	0.000000	0.00	0.000
11-25-S	100	100	31.67	2520.00	-19.74	-738.42	0.000000	0.00	0.000
11-26-S	100	100	31.67	2520.00	-3.63	-738.42	0.000000	0.00	0.000
12-1-S	100	100	31.67	2520.00	6.50	-738.42	0.000000	0.00	0.000
12-2-S	100	100	31.67	2520.00	-8.42	-738.42	0.000000	0.00	0.000
12-3-S	100	100	31.67	2520.00	-13.19	-738.42	0.000000	0.00	0.000
12-4-S	100	100	31.67	2520.00	-77.44	-738.42	0.000000	0.00	0.000
12-5-S	100	100	31.67	2520.00	-97.95	-738.42	0.000000	0.00	0.000
12-6-S	100	100	22.62	2520.00	103.08	722.73	0.000000	0.00	0.000
12-7-S	100	100	22.62	2520.00	122.74	722.73	0.000000	0.00	0.000
12-8-S	100	100	22.62	2520.00	142.39	722.73	0.000000	0.00	0.000
12-9-S	100	100	22.62	2520.00	143.10	722.73	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
12-10-S	100	100	31.67	2520.00	143.84	-738.42	0.000000	0.00	0.000
12-11-S	100	100	31.67	2520.00	85.73	-738.42	0.000000	0.00	0.000
12-12-S	100	100	31.67	2520.00	52.49	-738.42	0.000000	0.00	0.000
12-13-S	100	100	31.67	2520.00	62.42	-738.42	0.000000	0.00	0.000
12-14-S	100	100	31.67	2520.00	86.19	-738.42	0.000000	0.00	0.000
12-15-S	100	100	22.62	2520.00	112.84	722.73	0.000000	0.00	0.000
12-16-S	100	100	22.62	2520.00	134.40	722.73	0.000000	0.00	0.000
12-17-S	100	100	22.62	2520.00	155.96	722.73	0.000000	0.00	0.000
12-18-S	100	100	22.62	2520.00	161.05	722.73	0.000000	0.00	0.000
12-19-S	100	100	22.62	2520.00	155.17	722.73	0.000000	0.00	0.000
12-20-S	100	100	22.62	2520.00	149.28	722.73	0.000000	0.00	0.000
12-21-S	100	100	31.67	2520.00	95.35	-738.42	0.000000	0.00	0.000
12-22-S	100	100	31.67	2520.00	45.47	-738.42	0.000000	0.00	0.000
12-23-S	100	100	31.67	2520.00	-41.41	-738.42	0.000000	0.00	0.000
12-24-S	100	100	31.67	2520.00	-34.10	-738.42	0.000000	0.00	0.000
12-25-S	100	100	31.67	2520.00	-21.73	-738.42	0.000000	0.00	0.000
12-26-S	100	100	31.67	2520.00	-6.66	-738.42	0.000000	0.00	0.000
13-1-S	100	100	31.67	2520.00	-3.33	-738.42	0.000000	0.00	0.000
13-2-S	100	100	31.67	2520.00	-1.81	-738.42	0.000000	0.00	0.000
13-3-S	100	100	31.67	2520.00	1.90	-738.42	0.000000	0.00	0.000
13-4-S	100	100	31.67	2520.00	-2.21	-738.42	0.000000	0.00	0.000
13-5-S	100	100	31.67	2520.00	-4.84	-738.42	0.000000	0.00	0.000
13-6-S	100	100	22.62	2520.00	51.40	722.73	0.000000	0.00	0.000
13-7-S	100	100	22.62	2520.00	74.07	722.73	0.000000	0.00	0.000
13-8-S	100	100	22.62	2520.00	96.74	722.73	0.000000	0.00	0.000
13-9-S	100	100	22.62	2520.00	102.62	722.73	0.000000	0.00	0.000
13-10-S	100	100	22.62	2520.00	108.51	722.73	0.000000	0.00	0.000
13-11-S	100	100	22.62	2520.00	110.00	722.73	0.000000	0.00	0.000
13-12-S	100	100	22.62	2520.00	111.48	722.73	0.000000	0.00	0.000
13-13-S	100	100	22.62	2520.00	116.61	722.73	0.000000	0.00	0.000
13-14-S	100	100	22.62	2520.00	121.74	722.73	0.000000	0.00	0.000
13-15-S	100	100	22.62	2520.00	126.82	722.73	0.000000	0.00	0.000
13-16-S	100	100	22.62	2520.00	131.77	722.73	0.000000	0.00	0.000
13-17-S	100	100	22.62	2520.00	136.72	722.73	0.000000	0.00	0.000
13-18-S	100	100	22.62	2520.00	133.29	722.73	0.000000	0.00	0.000
13-19-S	100	100	22.62	2520.00	124.29	722.73	0.000000	0.00	0.000
13-20-S	100	100	22.62	2520.00	115.28	722.73	0.000000	0.00	0.000
13-21-S	100	100	22.62	2520.00	94.89	722.73	0.000000	0.00	0.000
13-22-S	100	100	22.62	2520.00	73.23	722.73	0.000000	0.00	0.000
13-23-S	100	100	22.62	2520.00	51.37	722.73	0.000000	0.00	0.000
13-24-S	100	100	22.62	2520.00	28.71	722.73	0.000000	0.00	0.000
13-25-S	100	100	22.62	2520.00	13.42	722.73	0.000000	0.00	0.000
13-26-S	100	100	22.62	2520.00	3.03	722.73	0.000000	0.00	0.000
14-1-S	100	100	31.67	2520.00	-6.18	-738.42	0.000000	0.00	0.000
14-2-S	100	100	31.67	2520.00	12.23	-738.42	0.000000	0.00	0.000
14-3-S	100	100	31.67	2520.00	18.66	-738.42	0.000000	0.00	0.000
14-4-S	100	100	31.67	2520.00	-51.81	-738.42	0.000000	0.00	0.000
14-5-S	100	100	31.67	2520.00	-43.55	-738.42	0.000000	0.00	0.000
14-6-S	100	100	22.62	2520.00	67.06	722.73	0.000000	0.00	0.000
14-7-S	100	100	22.62	2520.00	89.42	722.73	0.000000	0.00	0.000
14-8-S	100	100	22.62	2520.00	111.79	722.73	0.000000	0.00	0.000
14-9-S	100	100	22.62	2520.00	115.46	722.73	0.000000	0.00	0.000
14-10-S	100	100	22.62	2520.00	119.14	722.73	0.000000	0.00	0.000
14-11-S	100	100	31.67	2520.00	62.91	-738.42	0.000000	0.00	0.000
14-12-S	100	100	31.67	2520.00	40.98	-738.42	0.000000	0.00	0.000
14-13-S	100	100	31.67	2520.00	49.67	-738.42	0.000000	0.00	0.000
14-14-S	100	100	31.67	2520.00	71.65	-738.42	0.000000	0.00	0.000
14-15-S	100	100	31.67	2520.00	101.24	-738.42	0.000000	0.00	0.000
14-16-S	100	100	22.62	2520.00	124.75	722.73	0.000000	0.00	0.000
14-17-S	100	100	22.62	2520.00	148.27	722.73	0.000000	0.00	0.000
14-18-S	100	100	22.62	2520.00	154.97	722.73	0.000000	0.00	0.000
14-19-S	100	100	22.62	2520.00	150.44	722.73	0.000000	0.00	0.000
14-20-S	100	100	22.62	2520.00	145.91	722.73	0.000000	0.00	0.000
14-21-S	100	100	31.67	2520.00	92.44	-738.42	0.000000	0.00	0.000
14-22-S	100	100	31.67	2520.00	39.97	-738.42	0.000000	0.00	0.000
14-23-S	100	100	31.67	2520.00	-38.08	-738.42	0.000000	0.00	0.000
14-24-S	100	100	31.67	2520.00	-31.24	-738.42	0.000000	0.00	0.000
14-25-S	100	100	31.67	2520.00	-19.28	-738.42	0.000000	0.00	0.000
14-26-S	100	100	31.67	2520.00	-3.40	-738.42	0.000000	0.00	0.000
15-1-S	100	100	31.67	2520.00	8.60	-738.42	0.000000	0.00	0.000
15-2-S	100	100	31.67	2520.00	13.02	-738.42	0.000000	0.00	0.000
15-3-S	100	100	31.67	2520.00	18.65	-738.42	0.000000	0.00	0.000
15-4-S	100	100	31.67	2520.00	-71.63	-738.42	0.000000	0.00	0.000
15-5-S	100	100	31.67	2520.00	-77.69	-738.42	0.000000	0.00	0.000
15-6-S	100	100	22.62	2520.00	57.12	722.73	0.000000	0.00	0.000
15-7-S	100	100	22.62	2520.00	79.99	722.73	0.000000	0.00	0.000
15-8-S	100	100	22.62	2520.00	102.85	722.73	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
15-9-S	100	100	22.62	2520.00	107.16	722.73	0.000000	0.00	0.000
15-10-S	100	100	31.67	2520.00	111.71	-738.42	0.000000	0.00	0.000
15-11-S	100	100	31.67	2520.00	56.88	-738.42	0.000000	0.00	0.000
15-12-S	100	100	31.67	2520.00	37.07	-738.42	0.000000	0.00	0.000
15-13-S	100	100	31.67	2520.00	45.38	-738.42	0.000000	0.00	0.000
15-14-S	100	100	31.67	2520.00	66.74	-738.42	0.000000	0.00	0.000
15-15-S	100	100	31.67	2520.00	96.88	-738.42	0.000000	0.00	0.000
15-16-S	100	100	22.62	2520.00	121.00	722.73	0.000000	0.00	0.000
15-17-S	100	100	22.62	2520.00	145.10	722.73	0.000000	0.00	0.000
15-18-S	100	100	22.62	2520.00	152.34	722.73	0.000000	0.00	0.000
15-19-S	100	100	22.62	2520.00	148.30	722.73	0.000000	0.00	0.000
15-20-S	100	100	22.62	2520.00	144.26	722.73	0.000000	0.00	0.000
15-21-S	100	100	31.67	2520.00	91.28	-738.42	0.000000	0.00	0.000
15-22-S	100	100	31.67	2520.00	41.26	-738.42	0.000000	0.00	0.000
15-23-S	100	100	31.67	2520.00	-40.82	-738.42	0.000000	0.00	0.000
15-24-S	100	100	31.67	2520.00	-33.21	-738.42	0.000000	0.00	0.000
15-25-S	100	100	31.67	2520.00	-20.38	-738.42	0.000000	0.00	0.000
15-26-S	100	100	31.67	2520.00	-4.63	-738.42	0.000000	0.00	0.000
16-1-S	100	100	31.67	2520.00	-4.42	-738.42	0.000000	0.00	0.000
16-2-S	100	100	31.67	2520.00	-2.51	-738.42	0.000000	0.00	0.000
16-3-S	100	100	31.67	2520.00	-1.90	-738.42	0.000000	0.00	0.000
16-4-S	100	100	31.67	2520.00	-2.71	-738.42	0.000000	0.00	0.000
16-5-S	100	100	31.67	2520.00	-5.56	-738.42	0.000000	0.00	0.000
16-6-S	100	100	22.62	2520.00	20.57	722.73	0.000000	0.00	0.000
16-7-S	100	100	22.62	2520.00	44.93	722.73	0.000000	0.00	0.000
16-8-S	100	100	22.62	2520.00	69.30	722.73	0.000000	0.00	0.000
16-9-S	100	100	22.62	2520.00	77.24	722.73	0.000000	0.00	0.000
16-10-S	100	100	22.62	2520.00	85.19	722.73	0.000000	0.00	0.000
16-11-S	100	100	22.62	2520.00	88.86	722.73	0.000000	0.00	0.000
16-12-S	100	100	22.62	2520.00	92.53	722.73	0.000000	0.00	0.000
16-13-S	100	100	22.62	2520.00	99.72	722.73	0.000000	0.00	0.000
16-14-S	100	100	22.62	2520.00	106.92	722.73	0.000000	0.00	0.000
16-15-S	100	100	22.62	2520.00	113.98	722.73	0.000000	0.00	0.000
16-16-S	100	100	22.62	2520.00	120.76	722.73	0.000000	0.00	0.000
16-17-S	100	100	22.62	2520.00	127.53	722.73	0.000000	0.00	0.000
16-18-S	100	100	22.62	2520.00	125.70	722.73	0.000000	0.00	0.000
16-19-S	100	100	22.62	2520.00	118.15	722.73	0.000000	0.00	0.000
16-20-S	100	100	22.62	2520.00	110.60	722.73	0.000000	0.00	0.000
16-21-S	100	100	22.62	2520.00	91.28	722.73	0.000000	0.00	0.000
16-22-S	100	100	22.62	2520.00	70.65	722.73	0.000000	0.00	0.000
16-23-S	100	100	22.62	2520.00	49.76	722.73	0.000000	0.00	0.000
16-24-S	100	100	22.62	2520.00	27.83	722.73	0.000000	0.00	0.000
16-25-S	100	100	22.62	2520.00	13.00	722.73	0.000000	0.00	0.000
16-26-S	100	100	22.62	2520.00	2.92	722.73	0.000000	0.00	0.000
17-1-S	100	100	31.67	2520.00	-6.12	-743.88	0.000000	0.00	0.000
17-2-S	100	100	31.67	2520.00	12.23	-743.88	0.000000	0.00	0.000
17-3-S	100	100	31.67	2520.00	18.64	-743.88	0.000000	0.00	0.000
17-4-S	100	100	31.67	2520.00	-51.94	-743.88	0.000000	0.00	0.000
17-5-S	100	100	31.67	2520.00	-43.71	-743.88	0.000000	0.00	0.000
17-6-S	100	100	27.14	2520.00	48.17	735.98	0.000000	0.00	0.000
17-7-S	100	100	27.14	2520.00	71.38	735.98	0.000000	0.00	0.000
17-8-S	100	100	27.14	2520.00	94.60	735.98	0.000000	0.00	0.000
17-9-S	100	100	27.14	2520.00	99.38	735.98	0.000000	0.00	0.000
17-10-S	100	100	31.67	2520.00	104.35	-743.88	0.000000	0.00	0.000
17-11-S	100	100	31.67	2520.00	49.69	-743.88	0.000000	0.00	0.000
17-12-S	100	100	31.67	2520.00	-39.77	-743.88	0.000000	0.00	0.000
17-13-S	100	100	31.67	2520.00	41.57	-743.88	0.000000	0.00	0.000
17-14-S	100	100	31.67	2520.00	61.42	-743.88	0.000000	0.00	0.000
17-15-S	100	100	27.14	2520.00	92.43	735.98	0.000000	0.00	0.000
17-16-S	100	100	27.14	2520.00	117.09	735.98	0.000000	0.00	0.000
17-17-S	100	100	27.14	2520.00	141.76	735.98	0.000000	0.00	0.000
17-18-S	100	100	27.14	2520.00	149.51	735.98	0.000000	0.00	0.000
17-19-S	100	100	27.14	2520.00	145.95	735.98	0.000000	0.00	0.000
17-20-S	100	100	27.14	2520.00	142.41	735.98	0.000000	0.00	0.000
17-21-S	100	100	31.67	2520.00	89.70	-743.88	0.000000	0.00	0.000
17-22-S	100	100	31.67	2520.00	39.22	-743.88	0.000000	0.00	0.000
17-23-S	100	100	31.67	2520.00	-40.13	-743.88	0.000000	0.00	0.000
17-24-S	100	100	31.67	2520.00	-32.52	-743.88	0.000000	0.00	0.000
17-25-S	100	100	31.67	2520.00	-19.64	-743.88	0.000000	0.00	0.000
17-26-S	100	100	31.67	2520.00	-3.86	-743.88	0.000000	0.00	0.000
18-1-S	100	100	31.67	2520.00	8.60	-738.42	0.000000	0.00	0.000
18-2-S	100	100	31.67	2520.00	13.01	-738.42	0.000000	0.00	0.000
18-3-S	100	100	31.67	2520.00	18.63	-738.42	0.000000	0.00	0.000
18-4-S	100	100	31.67	2520.00	-71.70	-738.42	0.000000	0.00	0.000
18-5-S	100	100	31.67	2520.00	-77.81	-738.42	0.000000	0.00	0.000
18-6-S	100	100	22.62	2520.00	48.17	722.73	0.000000	0.00	0.000
18-7-S	100	100	22.62	2520.00	71.38	722.73	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
18-8-S	100	100	22.62	2520.00	94.60	722.73	0.000000	0.00	0.000
18-9-S	100	100	22.62	2520.00	99.38	722.73	0.000000	0.00	0.000
18-10-S	100	100	31.67	2520.00	104.35	-738.42	0.000000	0.00	0.000
18-11-S	100	100	31.67	2520.00	49.69	-738.42	0.000000	0.00	0.000
18-12-S	100	100	31.67	2520.00	-39.77	-738.42	0.000000	0.00	0.000
18-13-S	100	100	31.67	2520.00	41.57	-738.42	0.000000	0.00	0.000
18-14-S	100	100	31.67	2520.00	61.42	-738.42	0.000000	0.00	0.000
18-15-S	100	100	22.62	2520.00	92.43	722.73	0.000000	0.00	0.000
18-16-S	100	100	22.62	2520.00	117.09	722.73	0.000000	0.00	0.000
18-17-S	100	100	22.62	2520.00	141.76	722.73	0.000000	0.00	0.000
18-18-S	100	100	22.62	2520.00	149.51	722.73	0.000000	0.00	0.000
18-19-S	100	100	22.62	2520.00	145.95	722.73	0.000000	0.00	0.000
18-20-S	100	100	22.62	2520.00	142.41	722.73	0.000000	0.00	0.000
18-21-S	100	100	31.67	2520.00	89.70	-738.42	0.000000	0.00	0.000
18-22-S	100	100	31.67	2520.00	39.22	-738.42	0.000000	0.00	0.000
18-23-S	100	100	31.67	2520.00	-40.13	-738.42	0.000000	0.00	0.000
18-24-S	100	100	31.67	2520.00	-32.52	-738.42	0.000000	0.00	0.000
18-25-S	100	100	31.67	2520.00	-19.64	-738.42	0.000000	0.00	0.000
18-26-S	100	100	31.67	2520.00	-3.86	-738.42	0.000000	0.00	0.000
19-1-S	100	100	31.67	2520.00	-4.43	-738.42	0.000000	0.00	0.000
19-2-S	100	100	31.67	2520.00	-2.52	-738.42	0.000000	0.00	0.000
19-3-S	100	100	31.67	2520.00	-1.91	-738.42	0.000000	0.00	0.000
19-4-S	100	100	31.67	2520.00	-2.71	-738.42	0.000000	0.00	0.000
19-5-S	100	100	31.67	2520.00	-5.57	-738.42	0.000000	0.00	0.000
19-6-S	100	100	22.62	2520.00	20.57	722.73	0.000000	0.00	0.000
19-7-S	100	100	22.62	2520.00	44.93	722.73	0.000000	0.00	0.000
19-8-S	100	100	22.62	2520.00	69.30	722.73	0.000000	0.00	0.000
19-9-S	100	100	22.62	2520.00	77.24	722.73	0.000000	0.00	0.000
19-10-S	100	100	22.62	2520.00	85.19	722.73	0.000000	0.00	0.000
19-11-S	100	100	22.62	2520.00	88.86	722.73	0.000000	0.00	0.000
19-12-S	100	100	22.62	2520.00	92.53	722.73	0.000000	0.00	0.000
19-13-S	100	100	22.62	2520.00	99.72	722.73	0.000000	0.00	0.000
19-14-S	100	100	22.62	2520.00	106.92	722.73	0.000000	0.00	0.000
19-15-S	100	100	22.62	2520.00	113.98	722.73	0.000000	0.00	0.000
19-16-S	100	100	22.62	2520.00	120.76	722.73	0.000000	0.00	0.000
19-17-S	100	100	22.62	2520.00	127.53	722.73	0.000000	0.00	0.000
19-18-S	100	100	22.62	2520.00	125.70	722.73	0.000000	0.00	0.000
19-19-S	100	100	22.62	2520.00	118.15	722.73	0.000000	0.00	0.000
19-20-S	100	100	22.62	2520.00	110.60	722.73	0.000000	0.00	0.000
19-21-S	100	100	22.62	2520.00	91.28	722.73	0.000000	0.00	0.000
19-22-S	100	100	22.62	2520.00	70.65	722.73	0.000000	0.00	0.000
19-23-S	100	100	22.62	2520.00	49.76	722.73	0.000000	0.00	0.000
19-24-S	100	100	22.62	2520.00	27.83	722.73	0.000000	0.00	0.000
19-25-S	100	100	22.62	2520.00	13.00	722.73	0.000000	0.00	0.000
19-26-S	100	100	22.62	2520.00	2.92	722.73	0.000000	0.00	0.000
20-1-S	100	100	31.67	2520.00	-6.12	-738.42	0.000000	0.00	0.000
20-2-S	100	100	31.67	2520.00	12.23	-738.42	0.000000	0.00	0.000
20-3-S	100	100	31.67	2520.00	18.64	-738.42	0.000000	0.00	0.000
20-4-S	100	100	31.67	2520.00	-51.94	-738.42	0.000000	0.00	0.000
20-5-S	100	100	31.67	2520.00	-43.71	-738.42	0.000000	0.00	0.000
20-6-S	100	100	22.62	2520.00	57.12	722.73	0.000000	0.00	0.000
20-7-S	100	100	22.62	2520.00	79.99	722.73	0.000000	0.00	0.000
20-8-S	100	100	22.62	2520.00	102.85	722.73	0.000000	0.00	0.000
20-9-S	100	100	22.62	2520.00	107.16	722.73	0.000000	0.00	0.000
20-10-S	100	100	31.67	2520.00	111.71	-738.42	0.000000	0.00	0.000
20-11-S	100	100	31.67	2520.00	56.88	-738.42	0.000000	0.00	0.000
20-12-S	100	100	31.67	2520.00	37.07	-738.42	0.000000	0.00	0.000
20-13-S	100	100	31.67	2520.00	45.38	-738.42	0.000000	0.00	0.000
20-14-S	100	100	31.67	2520.00	66.74	-738.42	0.000000	0.00	0.000
20-15-S	100	100	31.67	2520.00	96.88	-738.42	0.000000	0.00	0.000
20-16-S	100	100	22.62	2520.00	121.00	722.73	0.000000	0.00	0.000
20-17-S	100	100	22.62	2520.00	145.10	722.73	0.000000	0.00	0.000
20-18-S	100	100	22.62	2520.00	152.34	722.73	0.000000	0.00	0.000
20-19-S	100	100	22.62	2520.00	148.30	722.73	0.000000	0.00	0.000
20-20-S	100	100	22.62	2520.00	144.26	722.73	0.000000	0.00	0.000
20-21-S	100	100	31.67	2520.00	91.28	-738.42	0.000000	0.00	0.000
20-22-S	100	100	31.67	2520.00	41.26	-738.42	0.000000	0.00	0.000
20-23-S	100	100	31.67	2520.00	-40.82	-738.42	0.000000	0.00	0.000
20-24-S	100	100	31.67	2520.00	-33.21	-738.42	0.000000	0.00	0.000
20-25-S	100	100	31.67	2520.00	-20.38	-738.42	0.000000	0.00	0.000
20-26-S	100	100	31.67	2520.00	-4.63	-738.42	0.000000	0.00	0.000
21-1-S	100	100	31.67	2520.00	8.60	-738.42	0.000000	0.00	0.000
21-2-S	100	100	31.67	2520.00	13.01	-738.42	0.000000	0.00	0.000
21-3-S	100	100	31.67	2520.00	18.63	-738.42	0.000000	0.00	0.000
21-4-S	100	100	31.67	2520.00	-71.70	-738.42	0.000000	0.00	0.000
21-5-S	100	100	31.67	2520.00	-77.80	-738.42	0.000000	0.00	0.000
21-6-S	100	100	22.62	2520.00	67.06	722.73	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
21-7-S	100	100	22.62	2520.00	89.42	722.73	0.000000	0.00	0.000
21-8-S	100	100	22.62	2520.00	111.79	722.73	0.000000	0.00	0.000
21-9-S	100	100	22.62	2520.00	115.46	722.73	0.000000	0.00	0.000
21-10-S	100	100	22.62	2520.00	119.14	722.73	0.000000	0.00	0.000
21-11-S	100	100	31.67	2520.00	62.91	-738.42	0.000000	0.00	0.000
21-12-S	100	100	31.67	2520.00	40.98	-738.42	0.000000	0.00	0.000
21-13-S	100	100	31.67	2520.00	49.67	-738.42	0.000000	0.00	0.000
21-14-S	100	100	31.67	2520.00	71.65	-738.42	0.000000	0.00	0.000
21-15-S	100	100	31.67	2520.00	101.24	-738.42	0.000000	0.00	0.000
21-16-S	100	100	22.62	2520.00	124.75	722.73	0.000000	0.00	0.000
21-17-S	100	100	22.62	2520.00	148.27	722.73	0.000000	0.00	0.000
21-18-S	100	100	22.62	2520.00	154.97	722.73	0.000000	0.00	0.000
21-19-S	100	100	22.62	2520.00	150.44	722.73	0.000000	0.00	0.000
21-20-S	100	100	22.62	2520.00	145.91	722.73	0.000000	0.00	0.000
21-21-S	100	100	31.67	2520.00	92.44	-738.42	0.000000	0.00	0.000
21-22-S	100	100	31.67	2520.00	39.97	-738.42	0.000000	0.00	0.000
21-23-S	100	100	31.67	2520.00	-38.08	-738.42	0.000000	0.00	0.000
21-24-S	100	100	31.67	2520.00	-31.24	-738.42	0.000000	0.00	0.000
21-25-S	100	100	31.67	2520.00	-19.28	-738.42	0.000000	0.00	0.000
21-26-S	100	100	31.67	2520.00	-3.40	-738.42	0.000000	0.00	0.000
22-1-S	100	100	31.67	2520.00	-4.43	-738.42	0.000000	0.00	0.000
22-2-S	100	100	31.67	2520.00	-2.52	-738.42	0.000000	0.00	0.000
22-3-S	100	100	31.67	2520.00	-1.91	-738.42	0.000000	0.00	0.000
22-4-S	100	100	31.67	2520.00	-2.72	-738.42	0.000000	0.00	0.000
22-5-S	100	100	31.67	2520.00	-5.58	-738.42	0.000000	0.00	0.000
22-6-S	100	100	22.62	2520.00	51.40	722.73	0.000000	0.00	0.000
22-7-S	100	100	22.62	2520.00	74.07	722.73	0.000000	0.00	0.000
22-8-S	100	100	22.62	2520.00	96.74	722.73	0.000000	0.00	0.000
22-9-S	100	100	22.62	2520.00	102.62	722.73	0.000000	0.00	0.000
22-10-S	100	100	22.62	2520.00	108.51	722.73	0.000000	0.00	0.000
22-11-S	100	100	22.62	2520.00	110.00	722.73	0.000000	0.00	0.000
22-12-S	100	100	22.62	2520.00	111.48	722.73	0.000000	0.00	0.000
22-13-S	100	100	22.62	2520.00	116.61	722.73	0.000000	0.00	0.000
22-14-S	100	100	22.62	2520.00	121.74	722.73	0.000000	0.00	0.000
22-15-S	100	100	22.62	2520.00	126.82	722.73	0.000000	0.00	0.000
22-16-S	100	100	22.62	2520.00	131.77	722.73	0.000000	0.00	0.000
22-17-S	100	100	22.62	2520.00	136.72	722.73	0.000000	0.00	0.000
22-18-S	100	100	22.62	2520.00	133.29	722.73	0.000000	0.00	0.000
22-19-S	100	100	22.62	2520.00	124.29	722.73	0.000000	0.00	0.000
22-20-S	100	100	22.62	2520.00	115.28	722.73	0.000000	0.00	0.000
22-21-S	100	100	22.62	2520.00	94.89	722.73	0.000000	0.00	0.000
22-22-S	100	100	22.62	2520.00	73.23	722.73	0.000000	0.00	0.000
22-23-S	100	100	22.62	2520.00	51.37	722.73	0.000000	0.00	0.000
22-24-S	100	100	22.62	2520.00	28.71	722.73	0.000000	0.00	0.000
22-25-S	100	100	22.62	2520.00	13.42	722.73	0.000000	0.00	0.000
22-26-S	100	100	22.62	2520.00	3.03	722.73	0.000000	0.00	0.000
23-1-S	100	100	31.67	2520.00	-6.12	-738.42	0.000000	0.00	0.000
23-2-S	100	100	31.67	2520.00	12.22	-738.42	0.000000	0.00	0.000
23-3-S	100	100	31.67	2520.00	18.62	-738.42	0.000000	0.00	0.000
23-4-S	100	100	31.67	2520.00	-52.01	-738.42	0.000000	0.00	0.000
23-5-S	100	100	31.67	2520.00	-43.79	-738.42	0.000000	0.00	0.000
23-6-S	100	100	22.62	2520.00	103.08	722.73	0.000000	0.00	0.000
23-7-S	100	100	22.62	2520.00	122.74	722.73	0.000000	0.00	0.000
23-8-S	100	100	22.62	2520.00	142.39	722.73	0.000000	0.00	0.000
23-9-S	100	100	22.62	2520.00	143.10	722.73	0.000000	0.00	0.000
23-10-S	100	100	31.67	2520.00	143.84	-738.42	0.000000	0.00	0.000
23-11-S	100	100	31.67	2520.00	85.73	-738.42	0.000000	0.00	0.000
23-12-S	100	100	31.67	2520.00	52.49	-738.42	0.000000	0.00	0.000
23-13-S	100	100	31.67	2520.00	62.42	-738.42	0.000000	0.00	0.000
23-14-S	100	100	31.67	2520.00	86.19	-738.42	0.000000	0.00	0.000
23-15-S	100	100	22.62	2520.00	112.84	722.73	0.000000	0.00	0.000
23-16-S	100	100	22.62	2520.00	134.40	722.73	0.000000	0.00	0.000
23-17-S	100	100	22.62	2520.00	155.96	722.73	0.000000	0.00	0.000
23-18-S	100	100	22.62	2520.00	161.05	722.73	0.000000	0.00	0.000
23-19-S	100	100	22.62	2520.00	155.17	722.73	0.000000	0.00	0.000
23-20-S	100	100	22.62	2520.00	149.28	722.73	0.000000	0.00	0.000
23-21-S	100	100	31.67	2520.00	95.35	-738.42	0.000000	0.00	0.000
23-22-S	100	100	31.67	2520.00	45.47	-738.42	0.000000	0.00	0.000
23-23-S	100	100	31.67	2520.00	-41.41	-738.42	0.000000	0.00	0.000
23-24-S	100	100	31.67	2520.00	-34.10	-738.42	0.000000	0.00	0.000
23-25-S	100	100	31.67	2520.00	-21.73	-738.42	0.000000	0.00	0.000
23-26-S	100	100	31.67	2520.00	-6.66	-738.42	0.000000	0.00	0.000
24-1-S	100	100	31.67	2520.00	8.59	-738.42	0.000000	0.00	0.000
24-2-S	100	100	31.67	2520.00	12.98	-738.42	0.000000	0.00	0.000
24-3-S	100	100	31.67	2520.00	18.60	-738.42	0.000000	0.00	0.000
24-4-S	100	100	31.67	2520.00	-71.91	-738.42	0.000000	0.00	0.000
24-5-S	100	100	31.67	2520.00	-78.12	-738.42	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
24-6-S	100	100	22.62	2520.00	132.51	722.73	0.000000	0.00	0.000
24-7-S	100	100	22.62	2520.00	148.92	722.73	0.000000	0.00	0.000
24-8-S	100	100	22.62	2520.00	165.32	722.73	0.000000	0.00	0.000
24-9-S	100	100	22.62	2520.00	162.91	722.73	0.000000	0.00	0.000
24-10-S	100	100	22.62	2520.00	160.50	722.73	0.000000	0.00	0.000
24-11-S	100	100	31.67	2520.00	98.75	-738.42	0.000000	0.00	0.000
24-12-S	100	100	31.67	2520.00	59.85	-738.42	0.000000	0.00	0.000
24-13-S	100	100	31.67	2520.00	69.79	-738.42	0.000000	0.00	0.000
24-14-S	100	100	31.67	2520.00	93.39	-738.42	0.000000	0.00	0.000
24-15-S	100	100	22.62	2520.00	118.39	722.73	0.000000	0.00	0.000
24-16-S	100	100	22.62	2520.00	138.67	722.73	0.000000	0.00	0.000
24-17-S	100	100	22.62	2520.00	158.95	722.73	0.000000	0.00	0.000
24-18-S	100	100	22.62	2520.00	163.12	722.73	0.000000	0.00	0.000
24-19-S	100	100	22.62	2520.00	156.56	722.73	0.000000	0.00	0.000
24-20-S	100	100	22.62	2520.00	149.99	722.73	0.000000	0.00	0.000
24-21-S	100	100	31.67	2520.00	95.44	-738.42	0.000000	0.00	0.000
24-22-S	100	100	31.67	2520.00	41.24	-738.42	0.000000	0.00	0.000
24-23-S	100	100	31.67	2520.00	-37.29	-738.42	0.000000	0.00	0.000
24-24-S	100	100	31.67	2520.00	-31.09	-738.42	0.000000	0.00	0.000
24-25-S	100	100	31.67	2520.00	-19.74	-738.42	0.000000	0.00	0.000
24-26-S	100	100	31.67	2520.00	-3.63	-738.42	0.000000	0.00	0.000
25-1-S	100	100	31.67	2520.00	-5.81	-738.42	0.000000	0.00	0.000
25-2-S	100	100	31.67	2520.00	-3.25	-738.42	0.000000	0.00	0.000
25-3-S	100	100	31.67	2520.00	-2.02	-738.42	0.000000	0.00	0.000
25-4-S	100	100	31.67	2520.00	-4.24	-738.42	0.000000	0.00	0.000
25-5-S	100	100	31.67	2520.00	-8.31	-738.42	0.000000	0.00	0.000
25-6-S	100	100	22.62	2520.00	141.49	722.73	0.000000	0.00	0.000
25-7-S	100	100	22.62	2520.00	153.18	722.73	0.000000	0.00	0.000
25-8-S	100	100	22.62	2520.00	164.88	722.73	0.000000	0.00	0.000
25-9-S	100	100	22.62	2520.00	160.82	722.73	0.000000	0.00	0.000
25-10-S	100	100	22.62	2520.00	156.76	722.73	0.000000	0.00	0.000
25-11-S	100	100	22.62	2520.00	150.09	722.73	0.000000	0.00	0.000
25-12-S	100	100	22.62	2520.00	143.42	722.73	0.000000	0.00	0.000
25-13-S	100	100	22.62	2520.00	142.64	722.73	0.000000	0.00	0.000
25-14-S	100	100	22.62	2520.00	141.85	722.73	0.000000	0.00	0.000
25-15-S	100	100	22.62	2520.00	141.72	722.73	0.000000	0.00	0.000
25-16-S	100	100	22.62	2520.00	143.12	722.73	0.000000	0.00	0.000
25-17-S	100	100	22.62	2520.00	144.51	722.73	0.000000	0.00	0.000
25-18-S	100	100	22.62	2520.00	138.56	722.73	0.000000	0.00	0.000
25-19-S	100	100	22.62	2520.00	127.70	722.73	0.000000	0.00	0.000
25-20-S	100	100	22.62	2520.00	116.85	722.73	0.000000	0.00	0.000
25-21-S	100	100	22.62	2520.00	95.63	722.73	0.000000	0.00	0.000
25-22-S	100	100	22.62	2520.00	73.26	722.73	0.000000	0.00	0.000
25-23-S	100	100	22.62	2520.00	50.85	722.73	0.000000	0.00	0.000
25-24-S	100	100	22.62	2520.00	28.28	722.73	0.000000	0.00	0.000
25-25-S	100	100	22.62	2520.00	13.09	722.73	0.000000	0.00	0.000
25-26-S	100	100	31.67	2520.00	3.75	-738.42	0.000000	0.00	0.000
26-1-S	100	100	27.14	2520.00	6.76	-725.34	0.000000	0.00	0.000
26-2-S	100	100	27.14	2520.00	9.22	-725.34	0.000000	0.00	0.000
26-3-S	100	100	27.14	2520.00	-13.64	-725.34	0.000000	0.00	0.000
26-4-S	100	100	27.14	2520.00	-81.53	-725.34	0.000000	0.00	0.000
26-5-S	100	100	27.14	2520.00	-105.73	-725.34	0.000000	0.00	0.000
26-6-S	100	100	22.62	2520.00	219.95	717.54	0.000000	0.00	0.000
26-7-S	100	100	22.62	2520.00	220.10	717.54	0.000000	0.00	0.000
26-8-S	100	100	22.62	2520.00	220.26	717.54	0.000000	0.00	0.000
26-9-S	100	100	22.62	2520.00	207.06	717.54	0.000000	0.00	0.000
26-10-S	100	100	22.62	2520.00	193.87	717.54	0.000000	0.00	0.000
26-11-S	100	100	27.14	2520.00	123.46	-725.34	0.000000	0.00	0.000
26-12-S	100	100	27.14	2520.00	71.51	-725.34	0.000000	0.00	0.000
26-13-S	100	100	27.14	2520.00	79.88	-725.34	0.000000	0.00	0.000
26-14-S	100	100	27.14	2520.00	100.06	-725.34	0.000000	0.00	0.000
26-15-S	100	100	27.14	2520.00	121.31	-725.34	0.000000	0.00	0.000
26-16-S	100	100	27.14	2520.00	139.42	-725.34	0.000000	0.00	0.000
26-17-S	100	100	22.62	2520.00	157.65	717.54	0.000000	0.00	0.000
26-18-S	100	100	22.62	2520.00	160.99	717.54	0.000000	0.00	0.000
26-19-S	100	100	22.62	2520.00	154.34	717.54	0.000000	0.00	0.000
26-20-S	100	100	27.14	2520.00	148.05	-725.34	0.000000	0.00	0.000
26-21-S	100	100	27.14	2520.00	95.15	-725.34	0.000000	0.00	0.000
26-22-S	100	100	27.14	2520.00	46.23	-725.34	0.000000	0.00	0.000
26-23-S	100	100	27.14	2520.00	-47.79	-725.34	0.000000	0.00	0.000
26-24-S	100	100	27.14	2520.00	-39.30	-725.34	0.000000	0.00	0.000
26-25-S	100	100	27.14	2520.00	-25.54	-725.34	0.000000	0.00	0.000
26-26-S	100	100	27.14	2520.00	-9.26	-725.34	0.000000	0.00	0.000
27-1-S	100	100	27.14	2520.00	-7.38	-725.34	0.000000	0.00	0.000
27-2-S	100	100	27.14	2520.00	-11.49	-725.34	0.000000	0.00	0.000
27-3-S	100	100	27.14	2520.00	-15.30	-725.34	0.000000	0.00	0.000
27-4-S	100	100	27.14	2520.00	-68.60	-725.34	0.000000	0.00	0.000

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Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
27-5-S	100	100	27.14	2520.00	-86.98	-725.34	0.000000	0.00	0.000
27-6-S	100	100	22.62	2520.00	259.41	717.54	0.000000	0.00	0.000
27-7-S	100	100	22.62	2520.00	247.78	717.54	0.000000	0.00	0.000
27-8-S	100	100	27.14	2520.00	236.17	-725.34	0.000000	0.00	0.000
27-9-S	100	100	27.14	2520.00	215.33	-725.34	0.000000	0.00	0.000
27-10-S	100	100	27.14	2520.00	194.52	-725.34	0.000000	0.00	0.000
27-11-S	100	100	27.14	2520.00	121.36	-725.34	0.000000	0.00	0.000
27-12-S	100	100	27.14	2520.00	64.55	-725.34	0.000000	0.00	0.000
27-13-S	100	100	27.14	2520.00	72.49	-725.34	0.000000	0.00	0.000
27-14-S	100	100	27.14	2520.00	92.63	-725.34	0.000000	0.00	0.000
27-15-S	100	100	27.14	2520.00	114.20	-725.34	0.000000	0.00	0.000
27-16-S	100	100	27.14	2520.00	134.47	-725.34	0.000000	0.00	0.000
27-17-S	100	100	27.14	2520.00	154.93	-725.34	0.000000	0.00	0.000
27-18-S	100	100	27.14	2520.00	158.25	-725.34	0.000000	0.00	0.000
27-19-S	100	100	27.14	2520.00	150.40	-725.34	0.000000	0.00	0.000
27-20-S	100	100	27.14	2520.00	142.53	-725.34	0.000000	0.00	0.000
27-21-S	100	100	27.14	2520.00	87.73	-725.34	0.000000	0.00	0.000
27-22-S	100	100	27.14	2520.00	34.21	-725.34	0.000000	0.00	0.000
27-23-S	100	100	27.14	2520.00	-38.22	-725.34	0.000000	0.00	0.000
27-24-S	100	100	27.14	2520.00	-31.93	-725.34	0.000000	0.00	0.000
27-25-S	100	100	27.14	2520.00	-19.63	-725.34	0.000000	0.00	0.000
27-26-S	100	100	27.14	2520.00	-3.82	-725.34	0.000000	0.00	0.000

Pali in c.a.

Apertura limite fessure $w_{lim}=100.000$ mm

Ip	Is	Af [cmq]	Aeff [cmq]	Mpf [kNm]	M [kNm]	N [kN]	ε [%]	Sm [mm]	w _m [mm]
1	1	26.61	495.62	327.32	-362.05	732.50	0.000000	0.00	0.00
2	1	26.61	468.96	339.29	-362.05	920.43	0.000000	0.00	0.00
3	1	19.01	443.96	351.26	-362.05	1108.36	0.000000	0.00	0.00

10.1.6 Combinazioni SLEF

Paramento

Apertura limite fessure $w_{lim}=0.30$

n°	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
1	100	30	22.62	1048.02	-0.45	-66.16	0.000000	0.00	0.000 (6)
2	100	31	22.62	1093.50	-0.39	-71.77	0.000000	0.00	0.000 (6)
3	100	32	22.62	1139.15	-0.24	-77.57	0.000000	0.00	0.000 (6)
4	100	33	22.62	1184.95	0.01	83.56	0.000000	0.00	0.000 (6)
5	100	35	22.62	1230.91	0.36	89.75	0.000000	0.00	0.000 (6)
6	100	36	22.62	1277.01	0.81	96.13	0.000000	0.00	0.000 (6)
7	100	37	22.62	1323.24	1.37	102.70	0.000000	0.00	0.000 (6)
8	100	38	22.62	1369.61	2.05	109.46	0.000000	0.00	0.000 (6)
9	100	39	22.62	1416.10	2.85	116.41	0.000000	0.00	0.000 (6)
10	100	40	22.62	1462.71	3.78	123.54	0.000000	0.00	0.000 (6)
11	100	42	22.62	1509.44	4.83	130.85	0.000000	0.00	0.000 (6)
12	100	43	22.62	1556.29	6.02	138.35	0.000000	0.00	0.000 (6)
13	100	44	22.62	1603.24	7.35	146.04	0.000000	0.00	0.000 (6)
14	100	45	22.62	1650.29	8.82	153.91	0.000000	0.00	0.000 (6)
15	100	46	22.62	1697.44	10.44	161.96	0.000000	0.00	0.000 (6)
16	100	47	22.62	1744.69	12.22	170.19	0.000000	0.00	0.000 (6)
17	100	49	22.62	1792.03	14.15	178.61	0.000000	0.00	0.000 (6)
18	100	50	22.62	1839.46	16.25	187.21	0.000000	0.00	0.000 (6)
19	100	51	22.62	1886.98	18.52	195.98	0.000000	0.00	0.000 (6)
20	100	52	22.62	1934.58	20.96	204.95	0.000000	0.00	0.000 (6)
21	100	53	22.62	1982.26	23.58	214.09	0.000000	0.00	0.000 (6)
22	100	54	22.62	2030.01	26.39	223.42	0.000000	0.00	0.000 (6)
23	100	56	22.62	2077.85	29.38	232.91	0.000000	0.00	0.000 (6)
24	100	57	22.62	2125.75	32.57	242.60	0.000000	0.00	0.000 (6)
25	100	58	22.62	2173.73	35.96	252.47	0.000000	0.00	0.000 (6)
26	100	59	22.62	2221.78	39.55	262.52	0.000000	0.00	0.000 (6)
27	100	60	22.62	2269.89	43.34	272.75	0.000000	0.00	0.000 (6)
28	100	61	22.62	2318.06	47.36	283.16	0.000000	0.00	0.000 (6)

RELAZIONE DI CALCOLO

n°	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
29	100	63	22.62	2366.30	51.58	293.75	0.000000	0.00	0.000 (6)
30	100	64	22.62	2414.61	56.04	304.52	0.000000	0.00	0.000 (6)
31	100	65	22.62	2462.97	60.72	315.46	0.000000	0.00	0.000 (6)
32	100	66	22.62	2511.38	65.63	326.60	0.000000	0.00	0.000 (6)
33	100	67	22.62	2520.00	70.78	337.91	0.000000	0.00	0.000 (6)
34	100	68	22.62	2520.00	76.17	349.40	0.000000	0.00	0.000 (6)
35	100	70	22.62	2520.00	81.81	361.08	0.000000	0.00	0.000 (6)
36	100	71	22.62	2520.00	87.71	372.93	0.000000	0.00	0.000 (6)
37	100	72	22.62	2520.00	93.86	384.96	0.000000	0.00	0.000 (6)
38	100	73	45.24	2515.95	100.27	439.71	0.000000	0.00	0.000 (6)
39	100	74	45.24	2520.00	106.95	453.08	0.000000	0.00	0.000 (6)
40	100	75	45.24	2520.00	113.90	466.64	0.000000	0.00	0.000 (6)
41	100	77	45.24	2520.00	121.13	480.36	0.000000	0.00	0.000 (6)
42	100	78	45.24	2520.00	128.64	494.29	0.000000	0.00	0.000 (6)
43	100	79	45.24	2520.00	136.43	508.36	0.000000	0.00	0.000 (6)
44	100	80	45.24	2520.00	144.52	522.66	0.000000	0.00	0.000 (6)
45	100	81	45.24	2520.00	152.91	537.10	0.000000	0.00	0.000 (6)
46	100	82	45.24	2520.00	161.59	551.76	0.000000	0.00	0.000 (6)
47	100	84	45.24	2520.00	170.59	566.57	0.000000	0.00	0.000 (6)
48	100	85	45.24	2520.00	179.89	581.59	0.000000	0.00	0.000 (6)
49	100	86	45.24	2520.00	189.51	596.76	0.000000	0.00	0.000 (6)
50	100	87	45.24	2520.00	199.45	612.14	0.000000	0.00	0.000 (6)
51	100	88	45.24	2520.00	209.72	627.69	0.000000	0.00	0.000 (6)
52	100	89	45.24	2520.00	220.32	643.49	0.000000	0.00	0.000 (6)
53	100	91	45.24	2520.00	231.25	631.49	0.000000	0.00	0.000 (6)
54	100	92	45.24	2520.00	242.52	647.05	0.000000	0.00	0.000 (6)
55	100	93	45.24	2520.00	254.14	662.85	0.000000	0.00	0.000 (6)
56	100	94	45.24	2520.00	266.11	678.76	0.000000	0.00	0.000 (6)
57	100	95	45.24	2520.00	278.44	694.92	0.000000	0.00	0.000 (6)
58	100	96	45.24	2520.00	291.12	711.21	0.000000	0.00	0.000 (6)
59	100	98	45.24	2520.00	304.17	727.70	0.000000	0.00	0.000 (6)
60	100	99	45.24	2520.00	317.59	744.38	0.000000	0.00	0.000 (6)
61	100	100	45.24	2520.00	331.39	759.59	0.000000	0.00	0.000 (6)

Piastra fondazione

Apertura limite fessure $w_{lim}=0.30$

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
1-1-P	100	100	27.14	2520.00	9.41	-730.72	0.000000	0.00	0.000
1-2-P	100	100	27.14	2520.00	-8.47	-730.72	0.000000	0.00	0.000
1-3-P	100	100	27.14	2520.00	-20.03	-730.72	0.000000	0.00	0.000
1-4-P	100	100	27.14	2520.00	-44.27	-730.72	0.000000	0.00	0.000
1-5-P	100	100	27.14	2520.00	-75.80	-730.72	0.000000	0.00	0.000
1-6-P	100	100	27.14	2520.00	-45.15	-730.72	0.000000	0.00	0.000
1-7-P	100	100	27.14	2520.00	-16.58	-730.72	0.000000	0.00	0.000
1-8-P	100	100	27.14	2520.00	4.76	-730.72	0.000000	0.00	0.000
1-9-P	100	100	27.14	2520.00	10.92	-730.72	0.000000	0.00	0.000
1-10-P	100	100	27.14	2520.00	17.58	-730.72	0.000000	0.00	0.000
1-11-P	100	100	27.14	2520.00	17.41	730.72	0.000000	0.00	0.000
1-12-P	100	100	27.14	2520.00	17.32	-730.72	0.000000	0.00	0.000
1-13-P	100	100	27.14	2520.00	11.01	-730.72	0.000000	0.00	0.000
1-14-P	100	100	27.14	2520.00	4.69	-730.72	0.000000	0.00	0.000
1-15-P	100	100	27.14	2520.00	-14.72	-730.72	0.000000	0.00	0.000
1-16-P	100	100	27.14	2520.00	-41.45	-730.72	0.000000	0.00	0.000
1-17-P	100	100	27.14	2520.00	-69.99	-730.72	0.000000	0.00	0.000
1-18-P	100	100	27.14	2520.00	-41.47	-730.72	0.000000	0.00	0.000
1-19-P	100	100	27.14	2520.00	-14.76	-730.72	0.000000	0.00	0.000
1-20-P	100	100	27.14	2520.00	4.62	-730.72	0.000000	0.00	0.000
1-21-P	100	100	27.14	2520.00	10.67	-730.72	0.000000	0.00	0.000
1-22-P	100	100	27.14	2520.00	16.78	-730.72	0.000000	0.00	0.000
1-23-P	100	100	27.14	2520.00	16.75	-730.72	0.000000	0.00	0.000
1-24-P	100	100	27.14	2520.00	16.82	-730.72	0.000000	0.00	0.000
1-25-P	100	100	27.14	2520.00	8.26	-730.72	0.000000	0.00	0.000
1-26-P	100	100	27.14	2520.00	-4.07	-730.72	0.000000	0.00	0.000
1-27-P	100	100	27.14	2520.00	-8.60	-730.72	0.000000	0.00	0.000
1-28-P	100	100	27.14	2520.00	-29.88	-730.72	0.000000	0.00	0.000
1-29-P	100	100	27.14	2520.00	-64.33	-730.72	0.000000	0.00	0.000
1-30-P	100	100	27.14	2520.00	-24.48	-730.72	0.000000	0.00	0.000
1-31-P	100	100	27.14	2520.00	-17.87	-730.72	0.000000	0.00	0.000
1-32-P	100	100	27.14	2520.00	-6.69	-730.72	0.000000	0.00	0.000
1-33-P	100	100	27.14	2520.00	10.80	-730.72	0.000000	0.00	0.000
1-34-P	100	100	27.14	2520.00	18.26	-730.72	0.000000	0.00	0.000
1-35-P	100	100	27.14	2520.00	17.88	730.72	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
1-36-P	100	100	27.14	2520.00	17.61	-730.72	0.000000	0.00	0.000
1-37-P	100	100	27.14	2520.00	8.78	-730.72	0.000000	0.00	0.000
1-38-P	100	100	27.14	2520.00	-3.76	-730.72	0.000000	0.00	0.000
1-39-P	100	100	27.14	2520.00	-8.48	-730.72	0.000000	0.00	0.000
1-40-P	100	100	27.14	2520.00	-29.81	-730.72	0.000000	0.00	0.000
1-41-P	100	100	27.14	2520.00	-64.32	-730.72	0.000000	0.00	0.000
1-42-P	100	100	27.14	2520.00	-24.48	-730.72	0.000000	0.00	0.000
1-43-P	100	100	27.14	2520.00	-17.89	-730.72	0.000000	0.00	0.000
1-44-P	100	100	27.14	2520.00	-6.70	-730.72	0.000000	0.00	0.000
1-45-P	100	100	27.14	2520.00	10.77	-730.72	0.000000	0.00	0.000
1-46-P	100	100	27.14	2520.00	18.24	-730.72	0.000000	0.00	0.000
1-47-P	100	100	27.14	2520.00	17.87	730.72	0.000000	0.00	0.000
1-48-P	100	100	27.14	2520.00	17.60	-730.72	0.000000	0.00	0.000
1-49-P	100	100	27.14	2520.00	8.77	-730.72	0.000000	0.00	0.000
1-50-P	100	100	27.14	2520.00	-3.77	-730.72	0.000000	0.00	0.000
1-51-P	100	100	27.14	2520.00	-8.48	-730.72	0.000000	0.00	0.000
1-52-P	100	100	27.14	2520.00	-29.81	-730.72	0.000000	0.00	0.000
1-53-P	100	100	27.14	2520.00	-64.32	-730.72	0.000000	0.00	0.000
1-54-P	100	100	27.14	2520.00	-24.48	-730.72	0.000000	0.00	0.000
1-55-P	100	100	27.14	2520.00	-17.89	-730.72	0.000000	0.00	0.000
1-56-P	100	100	27.14	2520.00	-6.70	-730.72	0.000000	0.00	0.000
1-57-P	100	100	27.14	2520.00	10.77	-730.72	0.000000	0.00	0.000
1-58-P	100	100	27.14	2520.00	18.23	-730.72	0.000000	0.00	0.000
1-59-P	100	100	27.14	2520.00	17.85	730.72	0.000000	0.00	0.000
1-60-P	100	100	27.14	2520.00	17.57	-730.72	0.000000	0.00	0.000
1-61-P	100	100	27.14	2520.00	8.74	-730.72	0.000000	0.00	0.000
1-62-P	100	100	27.14	2520.00	-3.80	-730.72	0.000000	0.00	0.000
1-63-P	100	100	27.14	2520.00	-8.51	-730.72	0.000000	0.00	0.000
1-64-P	100	100	27.14	2520.00	-29.86	-730.72	0.000000	0.00	0.000
1-65-P	100	100	27.14	2520.00	-64.36	-730.72	0.000000	0.00	0.000
1-66-P	100	100	27.14	2520.00	-24.49	-730.72	0.000000	0.00	0.000
1-67-P	100	100	27.14	2520.00	-17.89	-730.72	0.000000	0.00	0.000
1-68-P	100	100	27.14	2520.00	-6.58	-730.72	0.000000	0.00	0.000
1-69-P	100	100	27.14	2520.00	11.07	-730.72	0.000000	0.00	0.000
1-70-P	100	100	27.14	2520.00	18.76	-730.72	0.000000	0.00	0.000
1-71-P	100	100	27.14	2520.00	18.51	730.72	0.000000	0.00	0.000
1-72-P	100	100	27.14	2520.00	18.35	-730.72	0.000000	0.00	0.000
1-73-P	100	100	27.14	2520.00	11.41	-730.72	0.000000	0.00	0.000
1-74-P	100	100	27.14	2520.00	4.84	-730.72	0.000000	0.00	0.000
1-75-P	100	100	27.14	2520.00	-16.45	-730.72	0.000000	0.00	0.000
1-76-P	100	100	27.14	2520.00	-45.09	-730.72	0.000000	0.00	0.000
1-77-P	100	100	27.14	2520.00	-75.79	-730.72	0.000000	0.00	0.000
1-78-P	100	100	27.14	2520.00	-44.28	-730.72	0.000000	0.00	0.000
1-79-P	100	100	27.14	2520.00	-20.04	-730.72	0.000000	0.00	0.000
1-80-P	100	100	27.14	2520.00	-8.47	-730.72	0.000000	0.00	0.000
1-81-P	100	100	27.14	2520.00	9.41	-730.72	0.000000	0.00	0.000
3-1-P	100	100	22.62	2520.00	18.12	-712.23	0.000000	0.00	0.000
3-2-P	100	100	22.62	2520.00	19.69	-712.23	0.000000	0.00	0.000
3-3-P	100	100	22.62	2520.00	24.46	-712.23	0.000000	0.00	0.000
3-4-P	100	100	22.62	2520.00	32.24	-712.23	0.000000	0.00	0.000
3-5-P	100	100	22.62	2520.00	44.55	712.23	0.000000	0.00	0.000
3-6-P	100	100	22.62	2520.00	46.23	712.23	0.000000	0.00	0.000
3-7-P	100	100	22.62	2520.00	47.90	712.23	0.000000	0.00	0.000
3-8-P	100	100	22.62	2520.00	53.66	712.23	0.000000	0.00	0.000
3-9-P	100	100	22.62	2520.00	62.14	712.23	0.000000	0.00	0.000
3-10-P	100	100	22.62	2520.00	68.57	712.23	0.000000	0.00	0.000
3-11-P	100	100	22.62	2520.00	66.84	712.23	0.000000	0.00	0.000
3-12-P	100	100	22.62	2520.00	65.10	712.23	0.000000	0.00	0.000
3-13-P	100	100	22.62	2520.00	55.96	712.23	0.000000	0.00	0.000
3-14-P	100	100	22.62	2520.00	44.98	712.23	0.000000	0.00	0.000
3-15-P	100	100	22.62	2520.00	38.12	712.23	0.000000	0.00	0.000
3-16-P	100	100	22.62	2520.00	37.47	712.23	0.000000	0.00	0.000
3-17-P	100	100	22.62	2520.00	36.82	712.23	0.000000	0.00	0.000
3-18-P	100	100	22.62	2520.00	33.80	712.23	0.000000	0.00	0.000
3-19-P	100	100	22.62	2520.00	30.77	712.23	0.000000	0.00	0.000
3-20-P	100	100	22.62	2520.00	34.04	712.23	0.000000	0.00	0.000
3-21-P	100	100	22.62	2520.00	41.51	712.23	0.000000	0.00	0.000
3-22-P	100	100	22.62	2520.00	47.24	712.23	0.000000	0.00	0.000
3-23-P	100	100	22.62	2520.00	45.99	712.23	0.000000	0.00	0.000
3-24-P	100	100	22.62	2520.00	44.74	712.23	0.000000	0.00	0.000
3-25-P	100	100	22.62	2520.00	36.51	712.23	0.000000	0.00	0.000
3-26-P	100	100	22.62	2520.00	26.52	712.23	0.000000	0.00	0.000
3-27-P	100	100	22.62	2520.00	20.72	712.23	0.000000	0.00	0.000
3-28-P	100	100	22.62	2520.00	21.19	712.23	0.000000	0.00	0.000
3-29-P	100	100	22.62	2520.00	21.65	712.23	0.000000	0.00	0.000
3-30-P	100	100	22.62	2520.00	19.71	712.23	0.000000	0.00	0.000
3-31-P	100	100	22.62	2520.00	17.86	-712.23	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
3-32-P	100	100	22.62	2520.00	22.08	712.23	0.000000	0.00	0.000
3-33-P	100	100	22.62	2520.00	30.55	712.23	0.000000	0.00	0.000
3-34-P	100	100	22.62	2520.00	37.26	712.23	0.000000	0.00	0.000
3-35-P	100	100	22.62	2520.00	36.92	712.23	0.000000	0.00	0.000
3-36-P	100	100	22.62	2520.00	36.58	712.23	0.000000	0.00	0.000
3-37-P	100	100	22.62	2520.00	29.19	712.23	0.000000	0.00	0.000
3-38-P	100	100	22.62	2520.00	20.04	712.23	0.000000	0.00	0.000
3-39-P	100	100	22.62	2520.00	15.12	-712.23	0.000000	0.00	0.000
3-40-P	100	100	22.62	2520.00	16.27	712.23	0.000000	0.00	0.000
3-41-P	100	100	22.62	2520.00	17.50	712.23	0.000000	0.00	0.000
3-42-P	100	100	22.62	2520.00	16.27	712.23	0.000000	0.00	0.000
3-43-P	100	100	22.62	2520.00	15.12	-712.23	0.000000	0.00	0.000
3-44-P	100	100	22.62	2520.00	20.04	712.23	0.000000	0.00	0.000
3-45-P	100	100	22.62	2520.00	29.19	712.23	0.000000	0.00	0.000
3-46-P	100	100	22.62	2520.00	36.58	712.23	0.000000	0.00	0.000
3-47-P	100	100	22.62	2520.00	36.92	712.23	0.000000	0.00	0.000
3-48-P	100	100	22.62	2520.00	37.26	712.23	0.000000	0.00	0.000
3-49-P	100	100	22.62	2520.00	30.55	712.23	0.000000	0.00	0.000
3-50-P	100	100	22.62	2520.00	22.08	712.23	0.000000	0.00	0.000
3-51-P	100	100	22.62	2520.00	17.86	-712.23	0.000000	0.00	0.000
3-52-P	100	100	22.62	2520.00	19.71	712.23	0.000000	0.00	0.000
3-53-P	100	100	22.62	2520.00	21.65	712.23	0.000000	0.00	0.000
3-54-P	100	100	22.62	2520.00	21.19	712.23	0.000000	0.00	0.000
3-55-P	100	100	22.62	2520.00	20.72	712.23	0.000000	0.00	0.000
3-56-P	100	100	22.62	2520.00	26.52	712.23	0.000000	0.00	0.000
3-57-P	100	100	22.62	2520.00	36.51	712.23	0.000000	0.00	0.000
3-58-P	100	100	22.62	2520.00	44.74	712.23	0.000000	0.00	0.000
3-59-P	100	100	22.62	2520.00	45.99	712.23	0.000000	0.00	0.000
3-60-P	100	100	22.62	2520.00	47.24	712.23	0.000000	0.00	0.000
3-61-P	100	100	22.62	2520.00	41.51	712.23	0.000000	0.00	0.000
3-62-P	100	100	22.62	2520.00	34.04	712.23	0.000000	0.00	0.000
3-63-P	100	100	22.62	2520.00	30.77	712.23	0.000000	0.00	0.000
3-64-P	100	100	22.62	2520.00	33.80	712.23	0.000000	0.00	0.000
3-65-P	100	100	22.62	2520.00	36.82	712.23	0.000000	0.00	0.000
3-66-P	100	100	22.62	2520.00	37.47	712.23	0.000000	0.00	0.000
3-67-P	100	100	22.62	2520.00	38.12	712.23	0.000000	0.00	0.000
3-68-P	100	100	22.62	2520.00	44.98	712.23	0.000000	0.00	0.000
3-69-P	100	100	22.62	2520.00	55.96	712.23	0.000000	0.00	0.000
3-70-P	100	100	22.62	2520.00	65.10	712.23	0.000000	0.00	0.000
3-71-P	100	100	22.62	2520.00	66.84	712.23	0.000000	0.00	0.000
3-72-P	100	100	22.62	2520.00	68.57	712.23	0.000000	0.00	0.000
3-73-P	100	100	22.62	2520.00	62.14	712.23	0.000000	0.00	0.000
3-74-P	100	100	22.62	2520.00	53.66	712.23	0.000000	0.00	0.000
3-75-P	100	100	22.62	2520.00	47.90	712.23	0.000000	0.00	0.000
3-76-P	100	100	22.62	2520.00	46.23	712.23	0.000000	0.00	0.000
3-77-P	100	100	22.62	2520.00	44.55	712.23	0.000000	0.00	0.000
3-78-P	100	100	22.62	2520.00	32.24	-712.23	0.000000	0.00	0.000
3-79-P	100	100	22.62	2520.00	24.46	-712.23	0.000000	0.00	0.000
3-80-P	100	100	22.62	2520.00	19.69	-712.23	0.000000	0.00	0.000
3-81-P	100	100	22.62	2520.00	18.12	-712.23	0.000000	0.00	0.000
4-1-P	100	100	22.62	2520.00	11.94	712.23	0.000000	0.00	0.000
4-2-P	100	100	22.62	2520.00	5.31	-712.23	0.000000	0.00	0.000
4-3-P	100	100	22.62	2520.00	-9.13	-712.23	0.000000	0.00	0.000
4-4-P	100	100	22.62	2520.00	-74.69	-712.23	0.000000	0.00	0.000
4-5-P	100	100	22.62	2520.00	-144.46	-712.23	0.000000	0.00	0.000
4-6-P	100	100	22.62	2520.00	-66.61	-712.23	0.000000	0.00	0.000
4-7-P	100	100	22.62	2520.00	23.88	-712.23	0.000000	0.00	0.000
4-8-P	100	100	22.62	2520.00	62.50	712.23	0.000000	0.00	0.000
4-9-P	100	100	22.62	2520.00	80.66	712.23	0.000000	0.00	0.000
4-10-P	100	100	22.62	2520.00	95.33	712.23	0.000000	0.00	0.000
4-11-P	100	100	22.62	2520.00	96.04	712.23	0.000000	0.00	0.000
4-12-P	100	100	22.62	2520.00	96.76	712.23	0.000000	0.00	0.000
4-13-P	100	100	22.62	2520.00	84.54	712.23	0.000000	0.00	0.000
4-14-P	100	100	22.62	2520.00	69.10	712.23	0.000000	0.00	0.000
4-15-P	100	100	22.62	2520.00	29.80	712.23	0.000000	0.00	0.000
4-16-P	100	100	22.62	2520.00	-47.33	-712.23	0.000000	0.00	0.000
4-17-P	100	100	22.62	2520.00	-121.55	-712.23	0.000000	0.00	0.000
4-18-P	100	100	22.62	2520.00	-51.43	-712.23	0.000000	0.00	0.000
4-19-P	100	100	22.62	2520.00	27.55	-712.23	0.000000	0.00	0.000
4-20-P	100	100	22.62	2520.00	63.12	712.23	0.000000	0.00	0.000
4-21-P	100	100	22.62	2520.00	76.99	712.23	0.000000	0.00	0.000
4-22-P	100	100	22.62	2520.00	87.87	712.23	0.000000	0.00	0.000
4-23-P	100	100	22.62	2520.00	86.82	712.23	0.000000	0.00	0.000
4-24-P	100	100	22.62	2520.00	85.78	712.23	0.000000	0.00	0.000
4-25-P	100	100	22.62	2520.00	72.84	712.23	0.000000	0.00	0.000
4-26-P	100	100	22.62	2520.00	56.92	712.23	0.000000	0.00	0.000
4-27-P	100	100	22.62	2520.00	17.41	712.23	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
4-28-P	100	100	22.62	2520.00	-57.90	-712.23	0.000000	0.00	0.000
4-29-P	100	100	22.62	2520.00	-132.57	-712.23	0.000000	0.00	0.000
4-30-P	100	100	22.62	2520.00	-59.98	-712.23	0.000000	0.00	0.000
4-31-P	100	100	22.62	2520.00	18.89	-712.23	0.000000	0.00	0.000
4-32-P	100	100	22.62	2520.00	52.67	712.23	0.000000	0.00	0.000
4-33-P	100	100	22.62	2520.00	67.17	712.23	0.000000	0.00	0.000
4-34-P	100	100	22.62	2520.00	78.70	712.23	0.000000	0.00	0.000
4-35-P	100	100	22.62	2520.00	78.35	712.23	0.000000	0.00	0.000
4-36-P	100	100	22.62	2520.00	78.00	712.23	0.000000	0.00	0.000
4-37-P	100	100	22.62	2520.00	65.77	712.23	0.000000	0.00	0.000
4-38-P	100	100	22.62	2520.00	50.57	712.23	0.000000	0.00	0.000
4-39-P	100	100	22.62	2520.00	14.83	-712.23	0.000000	0.00	0.000
4-40-P	100	100	22.62	2520.00	-62.76	-712.23	0.000000	0.00	0.000
4-41-P	100	100	22.62	2520.00	-136.61	-712.23	0.000000	0.00	0.000
4-42-P	100	100	22.62	2520.00	-62.76	-712.23	0.000000	0.00	0.000
4-43-P	100	100	22.62	2520.00	14.83	-712.23	0.000000	0.00	0.000
4-44-P	100	100	22.62	2520.00	50.57	712.23	0.000000	0.00	0.000
4-45-P	100	100	22.62	2520.00	65.77	712.23	0.000000	0.00	0.000
4-46-P	100	100	22.62	2520.00	78.00	712.23	0.000000	0.00	0.000
4-47-P	100	100	22.62	2520.00	78.35	712.23	0.000000	0.00	0.000
4-48-P	100	100	22.62	2520.00	78.70	712.23	0.000000	0.00	0.000
4-49-P	100	100	22.62	2520.00	67.17	712.23	0.000000	0.00	0.000
4-50-P	100	100	22.62	2520.00	52.67	712.23	0.000000	0.00	0.000
4-51-P	100	100	22.62	2520.00	18.89	-712.23	0.000000	0.00	0.000
4-52-P	100	100	22.62	2520.00	-59.98	-712.23	0.000000	0.00	0.000
4-53-P	100	100	22.62	2520.00	-132.57	-712.23	0.000000	0.00	0.000
4-54-P	100	100	22.62	2520.00	-57.90	-712.23	0.000000	0.00	0.000
4-55-P	100	100	22.62	2520.00	17.41	712.23	0.000000	0.00	0.000
4-56-P	100	100	22.62	2520.00	56.92	712.23	0.000000	0.00	0.000
4-57-P	100	100	22.62	2520.00	72.84	712.23	0.000000	0.00	0.000
4-58-P	100	100	22.62	2520.00	85.78	712.23	0.000000	0.00	0.000
4-59-P	100	100	22.62	2520.00	86.82	712.23	0.000000	0.00	0.000
4-60-P	100	100	22.62	2520.00	87.87	712.23	0.000000	0.00	0.000
4-61-P	100	100	22.62	2520.00	76.99	712.23	0.000000	0.00	0.000
4-62-P	100	100	22.62	2520.00	63.12	712.23	0.000000	0.00	0.000
4-63-P	100	100	22.62	2520.00	27.55	-712.23	0.000000	0.00	0.000
4-64-P	100	100	22.62	2520.00	-51.43	-712.23	0.000000	0.00	0.000
4-65-P	100	100	22.62	2520.00	-121.55	-712.23	0.000000	0.00	0.000
4-66-P	100	100	22.62	2520.00	-47.33	-712.23	0.000000	0.00	0.000
4-67-P	100	100	22.62	2520.00	29.80	712.23	0.000000	0.00	0.000
4-68-P	100	100	22.62	2520.00	69.10	712.23	0.000000	0.00	0.000
4-69-P	100	100	22.62	2520.00	84.54	712.23	0.000000	0.00	0.000
4-70-P	100	100	22.62	2520.00	96.76	712.23	0.000000	0.00	0.000
4-71-P	100	100	22.62	2520.00	96.04	712.23	0.000000	0.00	0.000
4-72-P	100	100	22.62	2520.00	95.33	712.23	0.000000	0.00	0.000
4-73-P	100	100	22.62	2520.00	80.66	712.23	0.000000	0.00	0.000
4-74-P	100	100	22.62	2520.00	62.50	712.23	0.000000	0.00	0.000
4-75-P	100	100	22.62	2520.00	23.88	-712.23	0.000000	0.00	0.000
4-76-P	100	100	22.62	2520.00	-66.61	-712.23	0.000000	0.00	0.000
4-77-P	100	100	22.62	2520.00	-144.46	-712.23	0.000000	0.00	0.000
4-78-P	100	100	22.62	2520.00	-74.69	-712.23	0.000000	0.00	0.000
4-79-P	100	100	22.62	2520.00	-9.13	-712.23	0.000000	0.00	0.000
4-80-P	100	100	22.62	2520.00	5.31	-712.23	0.000000	0.00	0.000
4-81-P	100	100	22.62	2520.00	11.94	712.23	0.000000	0.00	0.000
5-1-P	100	100	27.14	2520.00	-8.17	-730.72	0.000000	0.00	0.000
5-2-P	100	100	27.14	2520.00	-13.79	-730.72	0.000000	0.00	0.000
5-3-P	100	100	27.14	2520.00	-19.43	-730.72	0.000000	0.00	0.000
5-4-P	100	100	27.14	2520.00	-18.97	-730.72	0.000000	0.00	0.000
5-5-P	100	100	27.14	2520.00	-18.90	-730.72	0.000000	0.00	0.000
5-6-P	100	100	27.14	2520.00	10.45	-730.72	0.000000	0.00	0.000
5-7-P	100	100	27.14	2520.00	20.04	730.72	0.000000	0.00	0.000
5-8-P	100	100	27.14	2520.00	39.07	730.72	0.000000	0.00	0.000
5-9-P	100	100	27.14	2520.00	59.73	730.72	0.000000	0.00	0.000
5-10-P	100	100	27.14	2520.00	76.72	730.72	0.000000	0.00	0.000
5-11-P	100	100	27.14	2520.00	78.98	730.72	0.000000	0.00	0.000
5-12-P	100	100	27.14	2520.00	81.25	730.72	0.000000	0.00	0.000
5-13-P	100	100	27.14	2520.00	69.22	730.72	0.000000	0.00	0.000
5-14-P	100	100	27.14	2520.00	53.62	730.72	0.000000	0.00	0.000
5-15-P	100	100	27.14	2520.00	40.22	730.72	0.000000	0.00	0.000
5-16-P	100	100	27.14	2520.00	31.24	-730.72	0.000000	0.00	0.000
5-17-P	100	100	27.14	2520.00	24.99	-730.72	0.000000	0.00	0.000
5-18-P	100	100	27.14	2520.00	30.77	-730.72	0.000000	0.00	0.000
5-19-P	100	100	27.14	2520.00	39.20	730.72	0.000000	0.00	0.000
5-20-P	100	100	27.14	2520.00	52.46	730.72	0.000000	0.00	0.000
5-21-P	100	100	27.14	2520.00	68.17	730.72	0.000000	0.00	0.000
5-22-P	100	100	27.14	2520.00	80.58	730.72	0.000000	0.00	0.000
5-23-P	100	100	27.14	2520.00	79.76	730.72	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
5-24-P	100	100	27.14	2520.00	78.95	730.72	0.000000	0.00	0.000
5-25-P	100	100	27.14	2520.00	65.00	730.72	0.000000	0.00	0.000
5-26-P	100	100	27.14	2520.00	47.76	730.72	0.000000	0.00	0.000
5-27-P	100	100	27.14	2520.00	33.09	730.72	0.000000	0.00	0.000
5-28-P	100	100	27.14	2520.00	24.09	-730.72	0.000000	0.00	0.000
5-29-P	100	100	27.14	2520.00	17.84	-730.72	0.000000	0.00	0.000
5-30-P	100	100	27.14	2520.00	22.87	-730.72	0.000000	0.00	0.000
5-31-P	100	100	27.14	2520.00	30.37	730.72	0.000000	0.00	0.000
5-32-P	100	100	27.14	2520.00	43.71	730.72	0.000000	0.00	0.000
5-33-P	100	100	27.14	2520.00	59.64	730.72	0.000000	0.00	0.000
5-34-P	100	100	27.14	2520.00	72.32	730.72	0.000000	0.00	0.000
5-35-P	100	100	27.14	2520.00	71.95	730.72	0.000000	0.00	0.000
5-36-P	100	100	27.14	2520.00	71.58	730.72	0.000000	0.00	0.000
5-37-P	100	100	27.14	2520.00	58.18	730.72	0.000000	0.00	0.000
5-38-P	100	100	27.14	2520.00	41.52	730.72	0.000000	0.00	0.000
5-39-P	100	100	27.14	2520.00	27.46	730.72	0.000000	0.00	0.000
5-40-P	100	100	27.14	2520.00	19.68	-730.72	0.000000	0.00	0.000
5-41-P	100	100	27.14	2520.00	14.48	-730.72	0.000000	0.00	0.000
5-42-P	100	100	27.14	2520.00	19.68	-730.72	0.000000	0.00	0.000
5-43-P	100	100	27.14	2520.00	27.46	730.72	0.000000	0.00	0.000
5-44-P	100	100	27.14	2520.00	41.52	730.72	0.000000	0.00	0.000
5-45-P	100	100	27.14	2520.00	58.18	730.72	0.000000	0.00	0.000
5-46-P	100	100	27.14	2520.00	71.58	730.72	0.000000	0.00	0.000
5-47-P	100	100	27.14	2520.00	71.95	730.72	0.000000	0.00	0.000
5-48-P	100	100	27.14	2520.00	72.32	730.72	0.000000	0.00	0.000
5-49-P	100	100	27.14	2520.00	59.64	730.72	0.000000	0.00	0.000
5-50-P	100	100	27.14	2520.00	43.71	730.72	0.000000	0.00	0.000
5-51-P	100	100	27.14	2520.00	30.37	730.72	0.000000	0.00	0.000
5-52-P	100	100	27.14	2520.00	22.87	-730.72	0.000000	0.00	0.000
5-53-P	100	100	27.14	2520.00	17.84	-730.72	0.000000	0.00	0.000
5-54-P	100	100	27.14	2520.00	24.09	-730.72	0.000000	0.00	0.000
5-55-P	100	100	27.14	2520.00	33.09	730.72	0.000000	0.00	0.000
5-56-P	100	100	27.14	2520.00	47.76	730.72	0.000000	0.00	0.000
5-57-P	100	100	27.14	2520.00	65.00	730.72	0.000000	0.00	0.000
5-58-P	100	100	27.14	2520.00	78.95	730.72	0.000000	0.00	0.000
5-59-P	100	100	27.14	2520.00	79.76	730.72	0.000000	0.00	0.000
5-60-P	100	100	27.14	2520.00	80.58	730.72	0.000000	0.00	0.000
5-61-P	100	100	27.14	2520.00	68.17	730.72	0.000000	0.00	0.000
5-62-P	100	100	27.14	2520.00	52.46	730.72	0.000000	0.00	0.000
5-63-P	100	100	27.14	2520.00	39.20	730.72	0.000000	0.00	0.000
5-64-P	100	100	27.14	2520.00	30.77	-730.72	0.000000	0.00	0.000
5-65-P	100	100	27.14	2520.00	24.99	-730.72	0.000000	0.00	0.000
5-66-P	100	100	27.14	2520.00	31.24	-730.72	0.000000	0.00	0.000
5-67-P	100	100	27.14	2520.00	40.22	730.72	0.000000	0.00	0.000
5-68-P	100	100	27.14	2520.00	53.62	730.72	0.000000	0.00	0.000
5-69-P	100	100	27.14	2520.00	69.22	730.72	0.000000	0.00	0.000
5-70-P	100	100	27.14	2520.00	81.25	730.72	0.000000	0.00	0.000
5-71-P	100	100	27.14	2520.00	78.98	730.72	0.000000	0.00	0.000
5-72-P	100	100	27.14	2520.00	76.72	730.72	0.000000	0.00	0.000
5-73-P	100	100	27.14	2520.00	59.73	730.72	0.000000	0.00	0.000
5-74-P	100	100	27.14	2520.00	39.07	730.72	0.000000	0.00	0.000
5-75-P	100	100	27.14	2520.00	20.04	730.72	0.000000	0.00	0.000
5-76-P	100	100	27.14	2520.00	10.45	-730.72	0.000000	0.00	0.000
5-77-P	100	100	27.14	2520.00	-18.90	-730.72	0.000000	0.00	0.000
5-78-P	100	100	27.14	2520.00	-18.97	-730.72	0.000000	0.00	0.000
5-79-P	100	100	27.14	2520.00	-19.43	-730.72	0.000000	0.00	0.000
5-80-P	100	100	27.14	2520.00	-13.79	-730.72	0.000000	0.00	0.000
5-81-P	100	100	27.14	2520.00	-8.17	-730.72	0.000000	0.00	0.000
6-1-P	100	100	22.62	2520.00	2.28	-712.23	0.000000	0.00	0.000
6-2-P	100	100	22.62	2520.00	-10.48	-712.23	0.000000	0.00	0.000
6-3-P	100	100	22.62	2520.00	-20.92	-712.23	0.000000	0.00	0.000
6-4-P	100	100	22.62	2520.00	-28.26	-712.23	0.000000	0.00	0.000
6-5-P	100	100	22.62	2520.00	-39.85	-712.23	0.000000	0.00	0.000
6-6-P	100	100	22.62	2520.00	-21.62	-712.23	0.000000	0.00	0.000
6-7-P	100	100	22.62	2520.00	23.41	-712.23	0.000000	0.00	0.000
6-8-P	100	100	22.62	2520.00	36.82	-712.23	0.000000	0.00	0.000
6-9-P	100	100	22.62	2520.00	58.61	712.23	0.000000	0.00	0.000
6-10-P	100	100	22.62	2520.00	76.82	712.23	0.000000	0.00	0.000
6-11-P	100	100	22.62	2520.00	79.70	712.23	0.000000	0.00	0.000
6-12-P	100	100	22.62	2520.00	82.58	712.23	0.000000	0.00	0.000
6-13-P	100	100	22.62	2520.00	70.62	712.23	0.000000	0.00	0.000
6-14-P	100	100	22.62	2520.00	54.96	712.23	0.000000	0.00	0.000
6-15-P	100	100	22.62	2520.00	39.62	712.23	0.000000	0.00	0.000
6-16-P	100	100	22.62	2520.00	30.94	-712.23	0.000000	0.00	0.000
6-17-P	100	100	22.62	2520.00	31.80	-712.23	0.000000	0.00	0.000
6-18-P	100	100	22.62	2520.00	33.82	-712.23	0.000000	0.00	0.000
6-19-P	100	100	22.62	2520.00	41.80	-712.23	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
6-20-P	100	100	22.62	2520.00	57.47	712.23	0.000000	0.00	0.000
6-21-P	100	100	22.62	2520.00	74.40	712.23	0.000000	0.00	0.000
6-22-P	100	100	22.62	2520.00	87.82	712.23	0.000000	0.00	0.000
6-23-P	100	100	22.62	2520.00	87.23	712.23	0.000000	0.00	0.000
6-24-P	100	100	22.62	2520.00	86.65	712.23	0.000000	0.00	0.000
6-25-P	100	100	22.62	2520.00	72.16	712.23	0.000000	0.00	0.000
6-26-P	100	100	22.62	2520.00	54.20	712.23	0.000000	0.00	0.000
6-27-P	100	100	22.62	2520.00	36.92	712.23	0.000000	0.00	0.000
6-28-P	100	100	22.62	2520.00	27.27	-712.23	0.000000	0.00	0.000
6-29-P	100	100	22.62	2520.00	27.31	-712.23	0.000000	0.00	0.000
6-30-P	100	100	22.62	2520.00	27.54	-712.23	0.000000	0.00	0.000
6-31-P	100	100	22.62	2520.00	34.32	712.23	0.000000	0.00	0.000
6-32-P	100	100	22.62	2520.00	50.36	712.23	0.000000	0.00	0.000
6-33-P	100	100	22.62	2520.00	67.13	712.23	0.000000	0.00	0.000
6-34-P	100	100	22.62	2520.00	80.47	712.23	0.000000	0.00	0.000
6-35-P	100	100	22.62	2520.00	80.08	712.23	0.000000	0.00	0.000
6-36-P	100	100	22.62	2520.00	79.70	712.23	0.000000	0.00	0.000
6-37-P	100	100	22.62	2520.00	65.60	712.23	0.000000	0.00	0.000
6-38-P	100	100	22.62	2520.00	48.08	712.23	0.000000	0.00	0.000
6-39-P	100	100	22.62	2520.00	31.31	712.23	0.000000	0.00	0.000
6-40-P	100	100	22.62	2520.00	23.99	-712.23	0.000000	0.00	0.000
6-41-P	100	100	22.62	2520.00	-25.39	-712.23	0.000000	0.00	0.000
6-42-P	100	100	22.62	2520.00	23.99	-712.23	0.000000	0.00	0.000
6-43-P	100	100	22.62	2520.00	31.31	712.23	0.000000	0.00	0.000
6-44-P	100	100	22.62	2520.00	48.08	712.23	0.000000	0.00	0.000
6-45-P	100	100	22.62	2520.00	65.60	712.23	0.000000	0.00	0.000
6-46-P	100	100	22.62	2520.00	79.70	712.23	0.000000	0.00	0.000
6-47-P	100	100	22.62	2520.00	80.08	712.23	0.000000	0.00	0.000
6-48-P	100	100	22.62	2520.00	80.47	712.23	0.000000	0.00	0.000
6-49-P	100	100	22.62	2520.00	67.13	712.23	0.000000	0.00	0.000
6-50-P	100	100	22.62	2520.00	50.36	712.23	0.000000	0.00	0.000
6-51-P	100	100	22.62	2520.00	34.32	712.23	0.000000	0.00	0.000
6-52-P	100	100	22.62	2520.00	27.54	-712.23	0.000000	0.00	0.000
6-53-P	100	100	22.62	2520.00	27.31	-712.23	0.000000	0.00	0.000
6-54-P	100	100	22.62	2520.00	27.27	-712.23	0.000000	0.00	0.000
6-55-P	100	100	22.62	2520.00	36.92	712.23	0.000000	0.00	0.000
6-56-P	100	100	22.62	2520.00	54.20	712.23	0.000000	0.00	0.000
6-57-P	100	100	22.62	2520.00	72.16	712.23	0.000000	0.00	0.000
6-58-P	100	100	22.62	2520.00	86.65	712.23	0.000000	0.00	0.000
6-59-P	100	100	22.62	2520.00	87.23	712.23	0.000000	0.00	0.000
6-60-P	100	100	22.62	2520.00	87.82	712.23	0.000000	0.00	0.000
6-61-P	100	100	22.62	2520.00	74.40	712.23	0.000000	0.00	0.000
6-62-P	100	100	22.62	2520.00	57.47	712.23	0.000000	0.00	0.000
6-63-P	100	100	22.62	2520.00	41.80	-712.23	0.000000	0.00	0.000
6-64-P	100	100	22.62	2520.00	33.82	-712.23	0.000000	0.00	0.000
6-65-P	100	100	22.62	2520.00	31.80	-712.23	0.000000	0.00	0.000
6-66-P	100	100	22.62	2520.00	30.94	-712.23	0.000000	0.00	0.000
6-67-P	100	100	22.62	2520.00	39.62	712.23	0.000000	0.00	0.000
6-68-P	100	100	22.62	2520.00	54.96	712.23	0.000000	0.00	0.000
6-69-P	100	100	22.62	2520.00	70.62	712.23	0.000000	0.00	0.000
6-70-P	100	100	22.62	2520.00	82.58	712.23	0.000000	0.00	0.000
6-71-P	100	100	22.62	2520.00	79.70	712.23	0.000000	0.00	0.000
6-72-P	100	100	22.62	2520.00	76.82	712.23	0.000000	0.00	0.000
6-73-P	100	100	22.62	2520.00	58.61	712.23	0.000000	0.00	0.000
6-74-P	100	100	22.62	2520.00	36.82	-712.23	0.000000	0.00	0.000
6-75-P	100	100	22.62	2520.00	23.41	-712.23	0.000000	0.00	0.000
6-76-P	100	100	22.62	2520.00	-21.62	-712.23	0.000000	0.00	0.000
6-77-P	100	100	22.62	2520.00	-39.85	-712.23	0.000000	0.00	0.000
6-78-P	100	100	22.62	2520.00	-28.26	-712.23	0.000000	0.00	0.000
6-79-P	100	100	22.62	2520.00	-20.92	-712.23	0.000000	0.00	0.000
6-80-P	100	100	22.62	2520.00	-10.48	-712.23	0.000000	0.00	0.000
6-81-P	100	100	22.62	2520.00	2.28	-712.23	0.000000	0.00	0.000
7-1-P	100	100	22.62	2519.91	-7.97	-712.21	0.000000	0.00	0.000
7-2-P	100	100	22.62	2519.91	-18.30	-712.21	0.000000	0.00	0.000
7-3-P	100	100	22.62	2519.91	-33.23	-712.21	0.000000	0.00	0.000
7-4-P	100	100	22.62	2519.91	-96.77	-712.21	0.000000	0.00	0.000
7-5-P	100	100	22.62	2519.91	-162.56	-712.21	0.000000	0.00	0.000
7-6-P	100	100	22.62	2519.91	-89.53	-712.21	0.000000	0.00	0.000
7-7-P	100	100	22.62	2519.91	-33.15	-712.21	0.000000	0.00	0.000
7-8-P	100	100	22.62	2519.91	36.28	-712.21	0.000000	0.00	0.000
7-9-P	100	100	22.62	2519.91	54.60	-712.21	0.000000	0.00	0.000
7-10-P	100	100	22.62	2519.91	75.71	712.21	0.000000	0.00	0.000
7-11-P	100	100	22.62	2519.91	78.86	712.21	0.000000	0.00	0.000
7-12-P	100	100	22.62	2519.91	82.01	712.21	0.000000	0.00	0.000
7-13-P	100	100	22.62	2519.91	66.80	712.21	0.000000	0.00	0.000
7-14-P	100	100	22.62	2519.91	47.01	712.21	0.000000	0.00	0.000
7-15-P	100	100	22.62	2519.91	11.49	-712.21	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
7-16-P	100	100	22.62	2519.91	-58.00	-712.21	0.000000	0.00	0.000
7-17-P	100	100	22.62	2519.91	-124.52	-712.21	0.000000	0.00	0.000
7-18-P	100	100	22.62	2519.91	-56.77	-712.21	0.000000	0.00	0.000
7-19-P	100	100	22.62	2519.91	24.81	-712.21	0.000000	0.00	0.000
7-20-P	100	100	22.62	2519.91	51.85	-712.21	0.000000	0.00	0.000
7-21-P	100	100	22.62	2519.91	73.26	712.21	0.000000	0.00	0.000
7-22-P	100	100	22.62	2519.91	90.51	712.21	0.000000	0.00	0.000
7-23-P	100	100	22.62	2519.91	90.07	712.21	0.000000	0.00	0.000
7-24-P	100	100	22.62	2519.91	89.62	712.21	0.000000	0.00	0.000
7-25-P	100	100	22.62	2519.91	71.60	712.21	0.000000	0.00	0.000
7-26-P	100	100	22.62	2519.91	49.19	712.21	0.000000	0.00	0.000
7-27-P	100	100	22.62	2519.91	10.54	-712.21	0.000000	0.00	0.000
7-28-P	100	100	22.62	2519.91	-59.82	-712.21	0.000000	0.00	0.000
7-29-P	100	100	22.62	2519.91	-128.07	-712.21	0.000000	0.00	0.000
7-30-P	100	100	22.62	2519.91	-61.11	-712.21	0.000000	0.00	0.000
7-31-P	100	100	22.62	2519.91	16.70	-712.21	0.000000	0.00	0.000
7-32-P	100	100	22.62	2519.91	45.44	712.21	0.000000	0.00	0.000
7-33-P	100	100	22.62	2519.91	66.72	712.21	0.000000	0.00	0.000
7-34-P	100	100	22.62	2519.91	83.66	712.21	0.000000	0.00	0.000
7-35-P	100	100	22.62	2519.91	83.25	712.21	0.000000	0.00	0.000
7-36-P	100	100	22.62	2519.91	82.85	712.21	0.000000	0.00	0.000
7-37-P	100	100	22.62	2519.91	65.12	712.21	0.000000	0.00	0.000
7-38-P	100	100	22.62	2519.91	43.06	712.21	0.000000	0.00	0.000
7-39-P	100	100	22.62	2519.91	10.94	-712.21	0.000000	0.00	0.000
7-40-P	100	100	22.62	2519.91	-64.94	-712.21	0.000000	0.00	0.000
7-41-P	100	100	22.62	2519.91	-132.62	-712.21	0.000000	0.00	0.000
7-42-P	100	100	22.62	2519.91	-64.94	-712.21	0.000000	0.00	0.000
7-43-P	100	100	22.62	2519.91	10.94	-712.21	0.000000	0.00	0.000
7-44-P	100	100	22.62	2519.91	43.06	712.21	0.000000	0.00	0.000
7-45-P	100	100	22.62	2519.91	65.12	712.21	0.000000	0.00	0.000
7-46-P	100	100	22.62	2519.91	82.85	712.21	0.000000	0.00	0.000
7-47-P	100	100	22.62	2519.91	83.25	712.21	0.000000	0.00	0.000
7-48-P	100	100	22.62	2519.91	83.66	712.21	0.000000	0.00	0.000
7-49-P	100	100	22.62	2519.91	66.72	712.21	0.000000	0.00	0.000
7-50-P	100	100	22.62	2519.91	45.44	712.21	0.000000	0.00	0.000
7-51-P	100	100	22.62	2519.91	16.70	-712.21	0.000000	0.00	0.000
7-52-P	100	100	22.62	2519.91	-61.11	-712.21	0.000000	0.00	0.000
7-53-P	100	100	22.62	2519.91	-128.07	-712.21	0.000000	0.00	0.000
7-54-P	100	100	22.62	2519.91	-59.82	-712.21	0.000000	0.00	0.000
7-55-P	100	100	22.62	2519.91	10.54	-712.21	0.000000	0.00	0.000
7-56-P	100	100	22.62	2519.91	49.19	712.21	0.000000	0.00	0.000
7-57-P	100	100	22.62	2519.91	71.60	712.21	0.000000	0.00	0.000
7-58-P	100	100	22.62	2519.91	89.62	712.21	0.000000	0.00	0.000
7-59-P	100	100	22.62	2519.91	90.07	712.21	0.000000	0.00	0.000
7-60-P	100	100	22.62	2519.91	90.51	712.21	0.000000	0.00	0.000
7-61-P	100	100	22.62	2519.91	73.26	712.21	0.000000	0.00	0.000
7-62-P	100	100	22.62	2519.91	51.85	-712.21	0.000000	0.00	0.000
7-63-P	100	100	22.62	2519.91	24.81	-712.21	0.000000	0.00	0.000
7-64-P	100	100	22.62	2519.91	-56.77	-712.21	0.000000	0.00	0.000
7-65-P	100	100	22.62	2519.91	-124.52	-712.21	0.000000	0.00	0.000
7-66-P	100	100	22.62	2519.91	-58.00	-712.21	0.000000	0.00	0.000
7-67-P	100	100	22.62	2519.91	11.49	-712.21	0.000000	0.00	0.000
7-68-P	100	100	22.62	2519.91	47.01	712.21	0.000000	0.00	0.000
7-69-P	100	100	22.62	2519.91	66.80	712.21	0.000000	0.00	0.000
7-70-P	100	100	22.62	2519.91	82.01	712.21	0.000000	0.00	0.000
7-71-P	100	100	22.62	2519.91	78.86	712.21	0.000000	0.00	0.000
7-72-P	100	100	22.62	2519.91	75.71	712.21	0.000000	0.00	0.000
7-73-P	100	100	22.62	2519.91	54.60	-712.21	0.000000	0.00	0.000
7-74-P	100	100	22.62	2519.91	36.28	-712.21	0.000000	0.00	0.000
7-75-P	100	100	22.62	2519.91	-33.15	-712.21	0.000000	0.00	0.000
7-76-P	100	100	22.62	2519.91	-89.53	-712.21	0.000000	0.00	0.000
7-77-P	100	100	22.62	2519.91	-162.56	-712.21	0.000000	0.00	0.000
7-78-P	100	100	22.62	2519.91	-96.77	-712.21	0.000000	0.00	0.000
7-79-P	100	100	22.62	2519.91	-33.23	-712.21	0.000000	0.00	0.000
7-80-P	100	100	22.62	2519.91	-18.30	-712.21	0.000000	0.00	0.000
7-81-P	100	100	22.62	2519.91	-7.97	-712.21	0.000000	0.00	0.000
8-1-S	100	100	27.14	2520.00	-7.37	-725.34	0.000000	0.00	0.000
8-2-S	100	100	27.14	2520.00	-11.47	-725.34	0.000000	0.00	0.000
8-3-S	100	100	27.14	2520.00	-15.27	-725.34	0.000000	0.00	0.000
8-4-S	100	100	27.14	2520.00	-68.51	-725.34	0.000000	0.00	0.000
8-5-S	100	100	27.14	2520.00	-86.87	-725.34	0.000000	0.00	0.000
8-6-S	100	100	22.62	2520.00	259.41	717.54	0.000000	0.00	0.000
8-7-S	100	100	22.62	2520.00	247.78	717.54	0.000000	0.00	0.000
8-8-S	100	100	27.14	2520.00	236.17	-725.34	0.000000	0.00	0.000
8-9-S	100	100	27.14	2520.00	215.33	-725.34	0.000000	0.00	0.000
8-10-S	100	100	27.14	2520.00	194.52	-725.34	0.000000	0.00	0.000
8-11-S	100	100	27.14	2520.00	121.36	-725.34	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
8-12-S	100	100	27.14	2520.00	64.55	-725.34	0.000000	0.00	0.000
8-13-S	100	100	27.14	2520.00	72.49	-725.34	0.000000	0.00	0.000
8-14-S	100	100	27.14	2520.00	92.63	-725.34	0.000000	0.00	0.000
8-15-S	100	100	27.14	2520.00	114.20	-725.34	0.000000	0.00	0.000
8-16-S	100	100	27.14	2520.00	134.47	-725.34	0.000000	0.00	0.000
8-17-S	100	100	27.14	2520.00	154.93	-725.34	0.000000	0.00	0.000
8-18-S	100	100	27.14	2520.00	158.25	-725.34	0.000000	0.00	0.000
8-19-S	100	100	27.14	2520.00	150.40	-725.34	0.000000	0.00	0.000
8-20-S	100	100	27.14	2520.00	142.53	-725.34	0.000000	0.00	0.000
8-21-S	100	100	27.14	2520.00	87.73	-725.34	0.000000	0.00	0.000
8-22-S	100	100	27.14	2520.00	34.21	-725.34	0.000000	0.00	0.000
8-23-S	100	100	27.14	2520.00	-38.22	-725.34	0.000000	0.00	0.000
8-24-S	100	100	27.14	2520.00	-31.93	-725.34	0.000000	0.00	0.000
8-25-S	100	100	27.14	2520.00	-19.63	-725.34	0.000000	0.00	0.000
8-26-S	100	100	27.14	2520.00	-3.82	-725.34	0.000000	0.00	0.000
9-1-S	100	100	27.14	2520.00	6.72	-725.34	0.000000	0.00	0.000
9-2-S	100	100	27.14	2520.00	9.22	-725.34	0.000000	0.00	0.000
9-3-S	100	100	27.14	2520.00	-13.63	-725.34	0.000000	0.00	0.000
9-4-S	100	100	27.14	2520.00	-81.39	-725.34	0.000000	0.00	0.000
9-5-S	100	100	27.14	2520.00	-105.51	-725.34	0.000000	0.00	0.000
9-6-S	100	100	22.62	2520.00	219.95	717.54	0.000000	0.00	0.000
9-7-S	100	100	22.62	2520.00	220.10	717.54	0.000000	0.00	0.000
9-8-S	100	100	22.62	2520.00	220.26	717.54	0.000000	0.00	0.000
9-9-S	100	100	22.62	2520.00	207.06	717.54	0.000000	0.00	0.000
9-10-S	100	100	22.62	2520.00	193.87	717.54	0.000000	0.00	0.000
9-11-S	100	100	27.14	2520.00	123.46	-725.34	0.000000	0.00	0.000
9-12-S	100	100	27.14	2520.00	71.51	-725.34	0.000000	0.00	0.000
9-13-S	100	100	27.14	2520.00	79.88	-725.34	0.000000	0.00	0.000
9-14-S	100	100	27.14	2520.00	100.06	-725.34	0.000000	0.00	0.000
9-15-S	100	100	27.14	2520.00	121.31	-725.34	0.000000	0.00	0.000
9-16-S	100	100	27.14	2520.00	139.42	-725.34	0.000000	0.00	0.000
9-17-S	100	100	22.62	2520.00	157.65	717.54	0.000000	0.00	0.000
9-18-S	100	100	22.62	2520.00	160.99	717.54	0.000000	0.00	0.000
9-19-S	100	100	22.62	2520.00	154.34	717.54	0.000000	0.00	0.000
9-20-S	100	100	27.14	2520.00	148.05	-725.34	0.000000	0.00	0.000
9-21-S	100	100	27.14	2520.00	95.15	-725.34	0.000000	0.00	0.000
9-22-S	100	100	27.14	2520.00	46.23	-725.34	0.000000	0.00	0.000
9-23-S	100	100	27.14	2520.00	-47.79	-725.34	0.000000	0.00	0.000
9-24-S	100	100	27.14	2520.00	-39.30	-725.34	0.000000	0.00	0.000
9-25-S	100	100	27.14	2520.00	-25.54	-725.34	0.000000	0.00	0.000
9-26-S	100	100	27.14	2520.00	-9.26	-725.34	0.000000	0.00	0.000
10-1-S	100	100	31.67	2520.00	-4.72	-738.42	0.000000	0.00	0.000
10-2-S	100	100	31.67	2520.00	-2.49	-738.42	0.000000	0.00	0.000
10-3-S	100	100	31.67	2520.00	-1.67	-738.42	0.000000	0.00	0.000
10-4-S	100	100	31.67	2520.00	-3.70	-738.42	0.000000	0.00	0.000
10-5-S	100	100	31.67	2520.00	-7.55	-738.42	0.000000	0.00	0.000
10-6-S	100	100	22.62	2520.00	141.49	722.73	0.000000	0.00	0.000
10-7-S	100	100	22.62	2520.00	153.18	722.73	0.000000	0.00	0.000
10-8-S	100	100	22.62	2520.00	164.88	722.73	0.000000	0.00	0.000
10-9-S	100	100	22.62	2520.00	160.82	722.73	0.000000	0.00	0.000
10-10-S	100	100	22.62	2520.00	156.76	722.73	0.000000	0.00	0.000
10-11-S	100	100	22.62	2520.00	150.09	722.73	0.000000	0.00	0.000
10-12-S	100	100	22.62	2520.00	143.42	722.73	0.000000	0.00	0.000
10-13-S	100	100	22.62	2520.00	142.64	722.73	0.000000	0.00	0.000
10-14-S	100	100	22.62	2520.00	141.85	722.73	0.000000	0.00	0.000
10-15-S	100	100	22.62	2520.00	141.72	722.73	0.000000	0.00	0.000
10-16-S	100	100	22.62	2520.00	143.12	722.73	0.000000	0.00	0.000
10-17-S	100	100	22.62	2520.00	144.51	722.73	0.000000	0.00	0.000
10-18-S	100	100	22.62	2520.00	138.56	722.73	0.000000	0.00	0.000
10-19-S	100	100	22.62	2520.00	127.70	722.73	0.000000	0.00	0.000
10-20-S	100	100	22.62	2520.00	116.85	722.73	0.000000	0.00	0.000
10-21-S	100	100	22.62	2520.00	95.63	722.73	0.000000	0.00	0.000
10-22-S	100	100	22.62	2520.00	73.26	722.73	0.000000	0.00	0.000
10-23-S	100	100	22.62	2520.00	50.85	722.73	0.000000	0.00	0.000
10-24-S	100	100	22.62	2520.00	28.28	722.73	0.000000	0.00	0.000
10-25-S	100	100	22.62	2520.00	13.09	722.73	0.000000	0.00	0.000
10-26-S	100	100	31.67	2520.00	3.75	-738.42	0.000000	0.00	0.000
11-1-S	100	100	31.67	2520.00	6.48	-738.42	0.000000	0.00	0.000
11-2-S	100	100	31.67	2520.00	-8.40	-738.42	0.000000	0.00	0.000
11-3-S	100	100	31.67	2520.00	-13.23	-738.42	0.000000	0.00	0.000
11-4-S	100	100	31.67	2520.00	-77.58	-738.42	0.000000	0.00	0.000
11-5-S	100	100	31.67	2520.00	-98.14	-738.42	0.000000	0.00	0.000
11-6-S	100	100	22.62	2520.00	132.51	722.73	0.000000	0.00	0.000
11-7-S	100	100	22.62	2520.00	148.92	722.73	0.000000	0.00	0.000
11-8-S	100	100	22.62	2520.00	165.32	722.73	0.000000	0.00	0.000
11-9-S	100	100	22.62	2520.00	162.91	722.73	0.000000	0.00	0.000
11-10-S	100	100	22.62	2520.00	160.50	722.73	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
11-11-S	100	100	31.67	2520.00	98.75	-738.42	0.000000	0.00	0.000
11-12-S	100	100	31.67	2520.00	59.85	-738.42	0.000000	0.00	0.000
11-13-S	100	100	31.67	2520.00	69.79	-738.42	0.000000	0.00	0.000
11-14-S	100	100	31.67	2520.00	93.39	-738.42	0.000000	0.00	0.000
11-15-S	100	100	22.62	2520.00	118.39	722.73	0.000000	0.00	0.000
11-16-S	100	100	22.62	2520.00	138.67	722.73	0.000000	0.00	0.000
11-17-S	100	100	22.62	2520.00	158.95	722.73	0.000000	0.00	0.000
11-18-S	100	100	22.62	2520.00	163.12	722.73	0.000000	0.00	0.000
11-19-S	100	100	22.62	2520.00	156.56	722.73	0.000000	0.00	0.000
11-20-S	100	100	22.62	2520.00	149.99	722.73	0.000000	0.00	0.000
11-21-S	100	100	31.67	2520.00	95.44	-738.42	0.000000	0.00	0.000
11-22-S	100	100	31.67	2520.00	41.24	-738.42	0.000000	0.00	0.000
11-23-S	100	100	31.67	2520.00	-37.29	-738.42	0.000000	0.00	0.000
11-24-S	100	100	31.67	2520.00	-31.09	-738.42	0.000000	0.00	0.000
11-25-S	100	100	31.67	2520.00	-19.74	-738.42	0.000000	0.00	0.000
11-26-S	100	100	31.67	2520.00	-3.63	-738.42	0.000000	0.00	0.000
12-1-S	100	100	31.67	2520.00	6.50	-738.42	0.000000	0.00	0.000
12-2-S	100	100	31.67	2520.00	-8.42	-738.42	0.000000	0.00	0.000
12-3-S	100	100	31.67	2520.00	-13.19	-738.42	0.000000	0.00	0.000
12-4-S	100	100	31.67	2520.00	-77.44	-738.42	0.000000	0.00	0.000
12-5-S	100	100	31.67	2520.00	-97.95	-738.42	0.000000	0.00	0.000
12-6-S	100	100	22.62	2520.00	103.08	722.73	0.000000	0.00	0.000
12-7-S	100	100	22.62	2520.00	122.74	722.73	0.000000	0.00	0.000
12-8-S	100	100	22.62	2520.00	142.39	722.73	0.000000	0.00	0.000
12-9-S	100	100	22.62	2520.00	143.10	722.73	0.000000	0.00	0.000
12-10-S	100	100	31.67	2520.00	143.84	-738.42	0.000000	0.00	0.000
12-11-S	100	100	31.67	2520.00	85.73	-738.42	0.000000	0.00	0.000
12-12-S	100	100	31.67	2520.00	52.49	-738.42	0.000000	0.00	0.000
12-13-S	100	100	31.67	2520.00	62.42	-738.42	0.000000	0.00	0.000
12-14-S	100	100	31.67	2520.00	86.19	-738.42	0.000000	0.00	0.000
12-15-S	100	100	22.62	2520.00	112.84	722.73	0.000000	0.00	0.000
12-16-S	100	100	22.62	2520.00	134.40	722.73	0.000000	0.00	0.000
12-17-S	100	100	22.62	2520.00	155.96	722.73	0.000000	0.00	0.000
12-18-S	100	100	22.62	2520.00	161.05	722.73	0.000000	0.00	0.000
12-19-S	100	100	22.62	2520.00	155.17	722.73	0.000000	0.00	0.000
12-20-S	100	100	22.62	2520.00	149.28	722.73	0.000000	0.00	0.000
12-21-S	100	100	31.67	2520.00	95.35	-738.42	0.000000	0.00	0.000
12-22-S	100	100	31.67	2520.00	45.47	-738.42	0.000000	0.00	0.000
12-23-S	100	100	31.67	2520.00	-41.41	-738.42	0.000000	0.00	0.000
12-24-S	100	100	31.67	2520.00	-34.10	-738.42	0.000000	0.00	0.000
12-25-S	100	100	31.67	2520.00	-21.73	-738.42	0.000000	0.00	0.000
12-26-S	100	100	31.67	2520.00	-6.66	-738.42	0.000000	0.00	0.000
13-1-S	100	100	31.67	2520.00	-3.33	-738.42	0.000000	0.00	0.000
13-2-S	100	100	31.67	2520.00	-1.81	-738.42	0.000000	0.00	0.000
13-3-S	100	100	31.67	2520.00	1.90	-738.42	0.000000	0.00	0.000
13-4-S	100	100	31.67	2520.00	-2.21	-738.42	0.000000	0.00	0.000
13-5-S	100	100	31.67	2520.00	-4.84	-738.42	0.000000	0.00	0.000
13-6-S	100	100	22.62	2520.00	51.40	722.73	0.000000	0.00	0.000
13-7-S	100	100	22.62	2520.00	74.07	722.73	0.000000	0.00	0.000
13-8-S	100	100	22.62	2520.00	96.74	722.73	0.000000	0.00	0.000
13-9-S	100	100	22.62	2520.00	102.62	722.73	0.000000	0.00	0.000
13-10-S	100	100	22.62	2520.00	108.51	722.73	0.000000	0.00	0.000
13-11-S	100	100	22.62	2520.00	110.00	722.73	0.000000	0.00	0.000
13-12-S	100	100	22.62	2520.00	111.48	722.73	0.000000	0.00	0.000
13-13-S	100	100	22.62	2520.00	116.61	722.73	0.000000	0.00	0.000
13-14-S	100	100	22.62	2520.00	121.74	722.73	0.000000	0.00	0.000
13-15-S	100	100	22.62	2520.00	126.82	722.73	0.000000	0.00	0.000
13-16-S	100	100	22.62	2520.00	131.77	722.73	0.000000	0.00	0.000
13-17-S	100	100	22.62	2520.00	136.72	722.73	0.000000	0.00	0.000
13-18-S	100	100	22.62	2520.00	133.29	722.73	0.000000	0.00	0.000
13-19-S	100	100	22.62	2520.00	124.29	722.73	0.000000	0.00	0.000
13-20-S	100	100	22.62	2520.00	115.28	722.73	0.000000	0.00	0.000
13-21-S	100	100	22.62	2520.00	94.89	722.73	0.000000	0.00	0.000
13-22-S	100	100	22.62	2520.00	73.23	722.73	0.000000	0.00	0.000
13-23-S	100	100	22.62	2520.00	51.37	722.73	0.000000	0.00	0.000
13-24-S	100	100	22.62	2520.00	28.71	722.73	0.000000	0.00	0.000
13-25-S	100	100	22.62	2520.00	13.42	722.73	0.000000	0.00	0.000
13-26-S	100	100	22.62	2520.00	3.03	722.73	0.000000	0.00	0.000
14-1-S	100	100	31.67	2520.00	-6.18	-738.42	0.000000	0.00	0.000
14-2-S	100	100	31.67	2520.00	12.23	-738.42	0.000000	0.00	0.000
14-3-S	100	100	31.67	2520.00	18.66	-738.42	0.000000	0.00	0.000
14-4-S	100	100	31.67	2520.00	-51.81	-738.42	0.000000	0.00	0.000
14-5-S	100	100	31.67	2520.00	-43.55	-738.42	0.000000	0.00	0.000
14-6-S	100	100	22.62	2520.00	67.06	722.73	0.000000	0.00	0.000
14-7-S	100	100	22.62	2520.00	89.42	722.73	0.000000	0.00	0.000
14-8-S	100	100	22.62	2520.00	111.79	722.73	0.000000	0.00	0.000
14-9-S	100	100	22.62	2520.00	115.46	722.73	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
14-10-S	100	100	22.62	2520.00	119.14	722.73	0.000000	0.00	0.000
14-11-S	100	100	31.67	2520.00	62.91	-738.42	0.000000	0.00	0.000
14-12-S	100	100	31.67	2520.00	40.98	-738.42	0.000000	0.00	0.000
14-13-S	100	100	31.67	2520.00	49.67	-738.42	0.000000	0.00	0.000
14-14-S	100	100	31.67	2520.00	71.65	-738.42	0.000000	0.00	0.000
14-15-S	100	100	31.67	2520.00	101.24	-738.42	0.000000	0.00	0.000
14-16-S	100	100	22.62	2520.00	124.75	722.73	0.000000	0.00	0.000
14-17-S	100	100	22.62	2520.00	148.27	722.73	0.000000	0.00	0.000
14-18-S	100	100	22.62	2520.00	154.97	722.73	0.000000	0.00	0.000
14-19-S	100	100	22.62	2520.00	150.44	722.73	0.000000	0.00	0.000
14-20-S	100	100	22.62	2520.00	145.91	722.73	0.000000	0.00	0.000
14-21-S	100	100	31.67	2520.00	92.44	-738.42	0.000000	0.00	0.000
14-22-S	100	100	31.67	2520.00	39.97	-738.42	0.000000	0.00	0.000
14-23-S	100	100	31.67	2520.00	-38.08	-738.42	0.000000	0.00	0.000
14-24-S	100	100	31.67	2520.00	-31.24	-738.42	0.000000	0.00	0.000
14-25-S	100	100	31.67	2520.00	-19.28	-738.42	0.000000	0.00	0.000
14-26-S	100	100	31.67	2520.00	-3.40	-738.42	0.000000	0.00	0.000
15-1-S	100	100	31.67	2520.00	8.60	-738.42	0.000000	0.00	0.000
15-2-S	100	100	31.67	2520.00	13.02	-738.42	0.000000	0.00	0.000
15-3-S	100	100	31.67	2520.00	18.65	-738.42	0.000000	0.00	0.000
15-4-S	100	100	31.67	2520.00	-71.63	-738.42	0.000000	0.00	0.000
15-5-S	100	100	31.67	2520.00	-77.69	-738.42	0.000000	0.00	0.000
15-6-S	100	100	22.62	2520.00	57.12	722.73	0.000000	0.00	0.000
15-7-S	100	100	22.62	2520.00	79.99	722.73	0.000000	0.00	0.000
15-8-S	100	100	22.62	2520.00	102.85	722.73	0.000000	0.00	0.000
15-9-S	100	100	22.62	2520.00	107.16	722.73	0.000000	0.00	0.000
15-10-S	100	100	31.67	2520.00	111.71	-738.42	0.000000	0.00	0.000
15-11-S	100	100	31.67	2520.00	56.88	-738.42	0.000000	0.00	0.000
15-12-S	100	100	31.67	2520.00	37.07	-738.42	0.000000	0.00	0.000
15-13-S	100	100	31.67	2520.00	45.38	-738.42	0.000000	0.00	0.000
15-14-S	100	100	31.67	2520.00	66.74	-738.42	0.000000	0.00	0.000
15-15-S	100	100	31.67	2520.00	96.88	-738.42	0.000000	0.00	0.000
15-16-S	100	100	22.62	2520.00	121.00	722.73	0.000000	0.00	0.000
15-17-S	100	100	22.62	2520.00	145.10	722.73	0.000000	0.00	0.000
15-18-S	100	100	22.62	2520.00	152.34	722.73	0.000000	0.00	0.000
15-19-S	100	100	22.62	2520.00	148.30	722.73	0.000000	0.00	0.000
15-20-S	100	100	22.62	2520.00	144.26	722.73	0.000000	0.00	0.000
15-21-S	100	100	31.67	2520.00	91.28	-738.42	0.000000	0.00	0.000
15-22-S	100	100	31.67	2520.00	41.26	-738.42	0.000000	0.00	0.000
15-23-S	100	100	31.67	2520.00	-40.82	-738.42	0.000000	0.00	0.000
15-24-S	100	100	31.67	2520.00	-33.21	-738.42	0.000000	0.00	0.000
15-25-S	100	100	31.67	2520.00	-20.38	-738.42	0.000000	0.00	0.000
15-26-S	100	100	31.67	2520.00	-4.63	-738.42	0.000000	0.00	0.000
16-1-S	100	100	31.67	2520.00	-4.42	-738.42	0.000000	0.00	0.000
16-2-S	100	100	31.67	2520.00	-2.51	-738.42	0.000000	0.00	0.000
16-3-S	100	100	31.67	2520.00	-1.90	-738.42	0.000000	0.00	0.000
16-4-S	100	100	31.67	2520.00	-2.71	-738.42	0.000000	0.00	0.000
16-5-S	100	100	31.67	2520.00	-5.56	-738.42	0.000000	0.00	0.000
16-6-S	100	100	22.62	2520.00	20.57	722.73	0.000000	0.00	0.000
16-7-S	100	100	22.62	2520.00	44.93	722.73	0.000000	0.00	0.000
16-8-S	100	100	22.62	2520.00	69.30	722.73	0.000000	0.00	0.000
16-9-S	100	100	22.62	2520.00	77.24	722.73	0.000000	0.00	0.000
16-10-S	100	100	22.62	2520.00	85.19	722.73	0.000000	0.00	0.000
16-11-S	100	100	22.62	2520.00	88.86	722.73	0.000000	0.00	0.000
16-12-S	100	100	22.62	2520.00	92.53	722.73	0.000000	0.00	0.000
16-13-S	100	100	22.62	2520.00	99.72	722.73	0.000000	0.00	0.000
16-14-S	100	100	22.62	2520.00	106.92	722.73	0.000000	0.00	0.000
16-15-S	100	100	22.62	2520.00	113.98	722.73	0.000000	0.00	0.000
16-16-S	100	100	22.62	2520.00	120.76	722.73	0.000000	0.00	0.000
16-17-S	100	100	22.62	2520.00	127.53	722.73	0.000000	0.00	0.000
16-18-S	100	100	22.62	2520.00	125.70	722.73	0.000000	0.00	0.000
16-19-S	100	100	22.62	2520.00	118.15	722.73	0.000000	0.00	0.000
16-20-S	100	100	22.62	2520.00	110.60	722.73	0.000000	0.00	0.000
16-21-S	100	100	22.62	2520.00	91.28	722.73	0.000000	0.00	0.000
16-22-S	100	100	22.62	2520.00	70.65	722.73	0.000000	0.00	0.000
16-23-S	100	100	22.62	2520.00	49.76	722.73	0.000000	0.00	0.000
16-24-S	100	100	22.62	2520.00	27.83	722.73	0.000000	0.00	0.000
16-25-S	100	100	22.62	2520.00	13.00	722.73	0.000000	0.00	0.000
16-26-S	100	100	22.62	2520.00	2.92	722.73	0.000000	0.00	0.000
17-1-S	100	100	31.67	2520.00	-6.12	-743.88	0.000000	0.00	0.000
17-2-S	100	100	31.67	2520.00	12.23	-743.88	0.000000	0.00	0.000
17-3-S	100	100	31.67	2520.00	18.64	-743.88	0.000000	0.00	0.000
17-4-S	100	100	31.67	2520.00	-51.94	-743.88	0.000000	0.00	0.000
17-5-S	100	100	31.67	2520.00	-43.71	-743.88	0.000000	0.00	0.000
17-6-S	100	100	27.14	2520.00	48.17	735.98	0.000000	0.00	0.000
17-7-S	100	100	27.14	2520.00	71.38	735.98	0.000000	0.00	0.000
17-8-S	100	100	27.14	2520.00	94.60	735.98	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
17-9-S	100	100	27.14	2520.00	99.38	735.98	0.000000	0.00	0.000
17-10-S	100	100	31.67	2520.00	104.35	-743.88	0.000000	0.00	0.000
17-11-S	100	100	31.67	2520.00	49.69	-743.88	0.000000	0.00	0.000
17-12-S	100	100	31.67	2520.00	-39.77	-743.88	0.000000	0.00	0.000
17-13-S	100	100	31.67	2520.00	41.57	-743.88	0.000000	0.00	0.000
17-14-S	100	100	31.67	2520.00	61.42	-743.88	0.000000	0.00	0.000
17-15-S	100	100	27.14	2520.00	92.43	735.98	0.000000	0.00	0.000
17-16-S	100	100	27.14	2520.00	117.09	735.98	0.000000	0.00	0.000
17-17-S	100	100	27.14	2520.00	141.76	735.98	0.000000	0.00	0.000
17-18-S	100	100	27.14	2520.00	149.51	735.98	0.000000	0.00	0.000
17-19-S	100	100	27.14	2520.00	145.95	735.98	0.000000	0.00	0.000
17-20-S	100	100	27.14	2520.00	142.41	735.98	0.000000	0.00	0.000
17-21-S	100	100	31.67	2520.00	89.70	-743.88	0.000000	0.00	0.000
17-22-S	100	100	31.67	2520.00	39.22	-743.88	0.000000	0.00	0.000
17-23-S	100	100	31.67	2520.00	-40.13	-743.88	0.000000	0.00	0.000
17-24-S	100	100	31.67	2520.00	-32.52	-743.88	0.000000	0.00	0.000
17-25-S	100	100	31.67	2520.00	-19.64	-743.88	0.000000	0.00	0.000
17-26-S	100	100	31.67	2520.00	-3.86	-743.88	0.000000	0.00	0.000
18-1-S	100	100	31.67	2520.00	8.60	-738.42	0.000000	0.00	0.000
18-2-S	100	100	31.67	2520.00	13.01	-738.42	0.000000	0.00	0.000
18-3-S	100	100	31.67	2520.00	18.63	-738.42	0.000000	0.00	0.000
18-4-S	100	100	31.67	2520.00	-71.70	-738.42	0.000000	0.00	0.000
18-5-S	100	100	31.67	2520.00	-77.81	-738.42	0.000000	0.00	0.000
18-6-S	100	100	22.62	2520.00	48.17	722.73	0.000000	0.00	0.000
18-7-S	100	100	22.62	2520.00	71.38	722.73	0.000000	0.00	0.000
18-8-S	100	100	22.62	2520.00	94.60	722.73	0.000000	0.00	0.000
18-9-S	100	100	22.62	2520.00	99.38	722.73	0.000000	0.00	0.000
18-10-S	100	100	31.67	2520.00	104.35	-738.42	0.000000	0.00	0.000
18-11-S	100	100	31.67	2520.00	49.69	-738.42	0.000000	0.00	0.000
18-12-S	100	100	31.67	2520.00	-39.77	-738.42	0.000000	0.00	0.000
18-13-S	100	100	31.67	2520.00	41.57	-738.42	0.000000	0.00	0.000
18-14-S	100	100	31.67	2520.00	61.42	-738.42	0.000000	0.00	0.000
18-15-S	100	100	22.62	2520.00	92.43	722.73	0.000000	0.00	0.000
18-16-S	100	100	22.62	2520.00	117.09	722.73	0.000000	0.00	0.000
18-17-S	100	100	22.62	2520.00	141.76	722.73	0.000000	0.00	0.000
18-18-S	100	100	22.62	2520.00	149.51	722.73	0.000000	0.00	0.000
18-19-S	100	100	22.62	2520.00	145.95	722.73	0.000000	0.00	0.000
18-20-S	100	100	22.62	2520.00	142.41	722.73	0.000000	0.00	0.000
18-21-S	100	100	31.67	2520.00	89.70	-738.42	0.000000	0.00	0.000
18-22-S	100	100	31.67	2520.00	39.22	-738.42	0.000000	0.00	0.000
18-23-S	100	100	31.67	2520.00	-40.13	-738.42	0.000000	0.00	0.000
18-24-S	100	100	31.67	2520.00	-32.52	-738.42	0.000000	0.00	0.000
18-25-S	100	100	31.67	2520.00	-19.64	-738.42	0.000000	0.00	0.000
18-26-S	100	100	31.67	2520.00	-3.86	-738.42	0.000000	0.00	0.000
19-1-S	100	100	31.67	2520.00	-4.43	-738.42	0.000000	0.00	0.000
19-2-S	100	100	31.67	2520.00	-2.52	-738.42	0.000000	0.00	0.000
19-3-S	100	100	31.67	2520.00	-1.91	-738.42	0.000000	0.00	0.000
19-4-S	100	100	31.67	2520.00	-2.71	-738.42	0.000000	0.00	0.000
19-5-S	100	100	31.67	2520.00	-5.57	-738.42	0.000000	0.00	0.000
19-6-S	100	100	22.62	2520.00	20.57	722.73	0.000000	0.00	0.000
19-7-S	100	100	22.62	2520.00	44.93	722.73	0.000000	0.00	0.000
19-8-S	100	100	22.62	2520.00	69.30	722.73	0.000000	0.00	0.000
19-9-S	100	100	22.62	2520.00	77.24	722.73	0.000000	0.00	0.000
19-10-S	100	100	22.62	2520.00	85.19	722.73	0.000000	0.00	0.000
19-11-S	100	100	22.62	2520.00	88.86	722.73	0.000000	0.00	0.000
19-12-S	100	100	22.62	2520.00	92.53	722.73	0.000000	0.00	0.000
19-13-S	100	100	22.62	2520.00	99.72	722.73	0.000000	0.00	0.000
19-14-S	100	100	22.62	2520.00	106.92	722.73	0.000000	0.00	0.000
19-15-S	100	100	22.62	2520.00	113.98	722.73	0.000000	0.00	0.000
19-16-S	100	100	22.62	2520.00	120.76	722.73	0.000000	0.00	0.000
19-17-S	100	100	22.62	2520.00	127.53	722.73	0.000000	0.00	0.000
19-18-S	100	100	22.62	2520.00	125.70	722.73	0.000000	0.00	0.000
19-19-S	100	100	22.62	2520.00	118.15	722.73	0.000000	0.00	0.000
19-20-S	100	100	22.62	2520.00	110.60	722.73	0.000000	0.00	0.000
19-21-S	100	100	22.62	2520.00	91.28	722.73	0.000000	0.00	0.000
19-22-S	100	100	22.62	2520.00	70.65	722.73	0.000000	0.00	0.000
19-23-S	100	100	22.62	2520.00	49.76	722.73	0.000000	0.00	0.000
19-24-S	100	100	22.62	2520.00	27.83	722.73	0.000000	0.00	0.000
19-25-S	100	100	22.62	2520.00	13.00	722.73	0.000000	0.00	0.000
19-26-S	100	100	22.62	2520.00	2.92	722.73	0.000000	0.00	0.000
20-1-S	100	100	31.67	2520.00	-6.12	-738.42	0.000000	0.00	0.000
20-2-S	100	100	31.67	2520.00	12.23	-738.42	0.000000	0.00	0.000
20-3-S	100	100	31.67	2520.00	18.64	-738.42	0.000000	0.00	0.000
20-4-S	100	100	31.67	2520.00	-51.94	-738.42	0.000000	0.00	0.000
20-5-S	100	100	31.67	2520.00	-43.71	-738.42	0.000000	0.00	0.000
20-6-S	100	100	22.62	2520.00	57.12	722.73	0.000000	0.00	0.000
20-7-S	100	100	22.62	2520.00	79.99	722.73	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
20-8-S	100	100	22.62	2520.00	102.85	722.73	0.000000	0.00	0.000
20-9-S	100	100	22.62	2520.00	107.16	722.73	0.000000	0.00	0.000
20-10-S	100	100	31.67	2520.00	111.71	-738.42	0.000000	0.00	0.000
20-11-S	100	100	31.67	2520.00	56.88	-738.42	0.000000	0.00	0.000
20-12-S	100	100	31.67	2520.00	37.07	-738.42	0.000000	0.00	0.000
20-13-S	100	100	31.67	2520.00	45.38	-738.42	0.000000	0.00	0.000
20-14-S	100	100	31.67	2520.00	66.74	-738.42	0.000000	0.00	0.000
20-15-S	100	100	31.67	2520.00	96.88	-738.42	0.000000	0.00	0.000
20-16-S	100	100	22.62	2520.00	121.00	722.73	0.000000	0.00	0.000
20-17-S	100	100	22.62	2520.00	145.10	722.73	0.000000	0.00	0.000
20-18-S	100	100	22.62	2520.00	152.34	722.73	0.000000	0.00	0.000
20-19-S	100	100	22.62	2520.00	148.30	722.73	0.000000	0.00	0.000
20-20-S	100	100	22.62	2520.00	144.26	722.73	0.000000	0.00	0.000
20-21-S	100	100	31.67	2520.00	91.28	-738.42	0.000000	0.00	0.000
20-22-S	100	100	31.67	2520.00	41.26	-738.42	0.000000	0.00	0.000
20-23-S	100	100	31.67	2520.00	-40.82	-738.42	0.000000	0.00	0.000
20-24-S	100	100	31.67	2520.00	-33.21	-738.42	0.000000	0.00	0.000
20-25-S	100	100	31.67	2520.00	-20.38	-738.42	0.000000	0.00	0.000
20-26-S	100	100	31.67	2520.00	-4.63	-738.42	0.000000	0.00	0.000
21-1-S	100	100	31.67	2520.00	8.60	-738.42	0.000000	0.00	0.000
21-2-S	100	100	31.67	2520.00	13.01	-738.42	0.000000	0.00	0.000
21-3-S	100	100	31.67	2520.00	18.63	-738.42	0.000000	0.00	0.000
21-4-S	100	100	31.67	2520.00	-71.70	-738.42	0.000000	0.00	0.000
21-5-S	100	100	31.67	2520.00	-77.80	-738.42	0.000000	0.00	0.000
21-6-S	100	100	22.62	2520.00	67.06	722.73	0.000000	0.00	0.000
21-7-S	100	100	22.62	2520.00	89.42	722.73	0.000000	0.00	0.000
21-8-S	100	100	22.62	2520.00	111.79	722.73	0.000000	0.00	0.000
21-9-S	100	100	22.62	2520.00	115.46	722.73	0.000000	0.00	0.000
21-10-S	100	100	22.62	2520.00	119.14	722.73	0.000000	0.00	0.000
21-11-S	100	100	31.67	2520.00	62.91	-738.42	0.000000	0.00	0.000
21-12-S	100	100	31.67	2520.00	40.98	-738.42	0.000000	0.00	0.000
21-13-S	100	100	31.67	2520.00	49.67	-738.42	0.000000	0.00	0.000
21-14-S	100	100	31.67	2520.00	71.65	-738.42	0.000000	0.00	0.000
21-15-S	100	100	31.67	2520.00	101.24	-738.42	0.000000	0.00	0.000
21-16-S	100	100	22.62	2520.00	124.75	722.73	0.000000	0.00	0.000
21-17-S	100	100	22.62	2520.00	148.27	722.73	0.000000	0.00	0.000
21-18-S	100	100	22.62	2520.00	154.97	722.73	0.000000	0.00	0.000
21-19-S	100	100	22.62	2520.00	150.44	722.73	0.000000	0.00	0.000
21-20-S	100	100	22.62	2520.00	145.91	722.73	0.000000	0.00	0.000
21-21-S	100	100	31.67	2520.00	92.44	-738.42	0.000000	0.00	0.000
21-22-S	100	100	31.67	2520.00	39.97	-738.42	0.000000	0.00	0.000
21-23-S	100	100	31.67	2520.00	-38.08	-738.42	0.000000	0.00	0.000
21-24-S	100	100	31.67	2520.00	-31.24	-738.42	0.000000	0.00	0.000
21-25-S	100	100	31.67	2520.00	-19.28	-738.42	0.000000	0.00	0.000
21-26-S	100	100	31.67	2520.00	-3.40	-738.42	0.000000	0.00	0.000
22-1-S	100	100	31.67	2520.00	-4.43	-738.42	0.000000	0.00	0.000
22-2-S	100	100	31.67	2520.00	-2.52	-738.42	0.000000	0.00	0.000
22-3-S	100	100	31.67	2520.00	-1.91	-738.42	0.000000	0.00	0.000
22-4-S	100	100	31.67	2520.00	-2.72	-738.42	0.000000	0.00	0.000
22-5-S	100	100	31.67	2520.00	-5.58	-738.42	0.000000	0.00	0.000
22-6-S	100	100	22.62	2520.00	51.40	722.73	0.000000	0.00	0.000
22-7-S	100	100	22.62	2520.00	74.07	722.73	0.000000	0.00	0.000
22-8-S	100	100	22.62	2520.00	96.74	722.73	0.000000	0.00	0.000
22-9-S	100	100	22.62	2520.00	102.62	722.73	0.000000	0.00	0.000
22-10-S	100	100	22.62	2520.00	108.51	722.73	0.000000	0.00	0.000
22-11-S	100	100	22.62	2520.00	110.00	722.73	0.000000	0.00	0.000
22-12-S	100	100	22.62	2520.00	111.48	722.73	0.000000	0.00	0.000
22-13-S	100	100	22.62	2520.00	116.61	722.73	0.000000	0.00	0.000
22-14-S	100	100	22.62	2520.00	121.74	722.73	0.000000	0.00	0.000
22-15-S	100	100	22.62	2520.00	126.82	722.73	0.000000	0.00	0.000
22-16-S	100	100	22.62	2520.00	131.77	722.73	0.000000	0.00	0.000
22-17-S	100	100	22.62	2520.00	136.72	722.73	0.000000	0.00	0.000
22-18-S	100	100	22.62	2520.00	133.29	722.73	0.000000	0.00	0.000
22-19-S	100	100	22.62	2520.00	124.29	722.73	0.000000	0.00	0.000
22-20-S	100	100	22.62	2520.00	115.28	722.73	0.000000	0.00	0.000
22-21-S	100	100	22.62	2520.00	94.89	722.73	0.000000	0.00	0.000
22-22-S	100	100	22.62	2520.00	73.23	722.73	0.000000	0.00	0.000
22-23-S	100	100	22.62	2520.00	51.37	722.73	0.000000	0.00	0.000
22-24-S	100	100	22.62	2520.00	28.71	722.73	0.000000	0.00	0.000
22-25-S	100	100	22.62	2520.00	13.42	722.73	0.000000	0.00	0.000
22-26-S	100	100	22.62	2520.00	3.03	722.73	0.000000	0.00	0.000
23-1-S	100	100	31.67	2520.00	-6.12	-738.42	0.000000	0.00	0.000
23-2-S	100	100	31.67	2520.00	12.22	-738.42	0.000000	0.00	0.000
23-3-S	100	100	31.67	2520.00	18.62	-738.42	0.000000	0.00	0.000
23-4-S	100	100	31.67	2520.00	-52.01	-738.42	0.000000	0.00	0.000
23-5-S	100	100	31.67	2520.00	-43.79	-738.42	0.000000	0.00	0.000
23-6-S	100	100	22.62	2520.00	103.08	722.73	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
23-7-S	100	100	22.62	2520.00	122.74	722.73	0.000000	0.00	0.000
23-8-S	100	100	22.62	2520.00	142.39	722.73	0.000000	0.00	0.000
23-9-S	100	100	22.62	2520.00	143.10	722.73	0.000000	0.00	0.000
23-10-S	100	100	31.67	2520.00	143.84	-738.42	0.000000	0.00	0.000
23-11-S	100	100	31.67	2520.00	85.73	-738.42	0.000000	0.00	0.000
23-12-S	100	100	31.67	2520.00	52.49	-738.42	0.000000	0.00	0.000
23-13-S	100	100	31.67	2520.00	62.42	-738.42	0.000000	0.00	0.000
23-14-S	100	100	31.67	2520.00	86.19	-738.42	0.000000	0.00	0.000
23-15-S	100	100	22.62	2520.00	112.84	722.73	0.000000	0.00	0.000
23-16-S	100	100	22.62	2520.00	134.40	722.73	0.000000	0.00	0.000
23-17-S	100	100	22.62	2520.00	155.96	722.73	0.000000	0.00	0.000
23-18-S	100	100	22.62	2520.00	161.05	722.73	0.000000	0.00	0.000
23-19-S	100	100	22.62	2520.00	155.17	722.73	0.000000	0.00	0.000
23-20-S	100	100	22.62	2520.00	149.28	722.73	0.000000	0.00	0.000
23-21-S	100	100	31.67	2520.00	95.35	-738.42	0.000000	0.00	0.000
23-22-S	100	100	31.67	2520.00	45.47	-738.42	0.000000	0.00	0.000
23-23-S	100	100	31.67	2520.00	-41.41	-738.42	0.000000	0.00	0.000
23-24-S	100	100	31.67	2520.00	-34.10	-738.42	0.000000	0.00	0.000
23-25-S	100	100	31.67	2520.00	-21.73	-738.42	0.000000	0.00	0.000
23-26-S	100	100	31.67	2520.00	-6.66	-738.42	0.000000	0.00	0.000
24-1-S	100	100	31.67	2520.00	8.59	-738.42	0.000000	0.00	0.000
24-2-S	100	100	31.67	2520.00	12.98	-738.42	0.000000	0.00	0.000
24-3-S	100	100	31.67	2520.00	18.60	-738.42	0.000000	0.00	0.000
24-4-S	100	100	31.67	2520.00	-71.91	-738.42	0.000000	0.00	0.000
24-5-S	100	100	31.67	2520.00	-78.12	-738.42	0.000000	0.00	0.000
24-6-S	100	100	22.62	2520.00	132.51	722.73	0.000000	0.00	0.000
24-7-S	100	100	22.62	2520.00	148.92	722.73	0.000000	0.00	0.000
24-8-S	100	100	22.62	2520.00	165.32	722.73	0.000000	0.00	0.000
24-9-S	100	100	22.62	2520.00	162.91	722.73	0.000000	0.00	0.000
24-10-S	100	100	22.62	2520.00	160.50	722.73	0.000000	0.00	0.000
24-11-S	100	100	31.67	2520.00	98.75	-738.42	0.000000	0.00	0.000
24-12-S	100	100	31.67	2520.00	59.85	-738.42	0.000000	0.00	0.000
24-13-S	100	100	31.67	2520.00	69.79	-738.42	0.000000	0.00	0.000
24-14-S	100	100	31.67	2520.00	93.39	-738.42	0.000000	0.00	0.000
24-15-S	100	100	22.62	2520.00	118.39	722.73	0.000000	0.00	0.000
24-16-S	100	100	22.62	2520.00	138.67	722.73	0.000000	0.00	0.000
24-17-S	100	100	22.62	2520.00	158.95	722.73	0.000000	0.00	0.000
24-18-S	100	100	22.62	2520.00	163.12	722.73	0.000000	0.00	0.000
24-19-S	100	100	22.62	2520.00	156.56	722.73	0.000000	0.00	0.000
24-20-S	100	100	22.62	2520.00	149.99	722.73	0.000000	0.00	0.000
24-21-S	100	100	31.67	2520.00	95.44	-738.42	0.000000	0.00	0.000
24-22-S	100	100	31.67	2520.00	41.24	-738.42	0.000000	0.00	0.000
24-23-S	100	100	31.67	2520.00	-37.29	-738.42	0.000000	0.00	0.000
24-24-S	100	100	31.67	2520.00	-31.09	-738.42	0.000000	0.00	0.000
24-25-S	100	100	31.67	2520.00	-19.74	-738.42	0.000000	0.00	0.000
24-26-S	100	100	31.67	2520.00	-3.63	-738.42	0.000000	0.00	0.000
25-1-S	100	100	31.67	2520.00	-5.81	-738.42	0.000000	0.00	0.000
25-2-S	100	100	31.67	2520.00	-3.25	-738.42	0.000000	0.00	0.000
25-3-S	100	100	31.67	2520.00	-2.02	-738.42	0.000000	0.00	0.000
25-4-S	100	100	31.67	2520.00	-4.24	-738.42	0.000000	0.00	0.000
25-5-S	100	100	31.67	2520.00	-8.31	-738.42	0.000000	0.00	0.000
25-6-S	100	100	22.62	2520.00	141.49	722.73	0.000000	0.00	0.000
25-7-S	100	100	22.62	2520.00	153.18	722.73	0.000000	0.00	0.000
25-8-S	100	100	22.62	2520.00	164.88	722.73	0.000000	0.00	0.000
25-9-S	100	100	22.62	2520.00	160.82	722.73	0.000000	0.00	0.000
25-10-S	100	100	22.62	2520.00	156.76	722.73	0.000000	0.00	0.000
25-11-S	100	100	22.62	2520.00	150.09	722.73	0.000000	0.00	0.000
25-12-S	100	100	22.62	2520.00	143.42	722.73	0.000000	0.00	0.000
25-13-S	100	100	22.62	2520.00	142.64	722.73	0.000000	0.00	0.000
25-14-S	100	100	22.62	2520.00	141.85	722.73	0.000000	0.00	0.000
25-15-S	100	100	22.62	2520.00	141.72	722.73	0.000000	0.00	0.000
25-16-S	100	100	22.62	2520.00	143.12	722.73	0.000000	0.00	0.000
25-17-S	100	100	22.62	2520.00	144.51	722.73	0.000000	0.00	0.000
25-18-S	100	100	22.62	2520.00	138.56	722.73	0.000000	0.00	0.000
25-19-S	100	100	22.62	2520.00	127.70	722.73	0.000000	0.00	0.000
25-20-S	100	100	22.62	2520.00	116.85	722.73	0.000000	0.00	0.000
25-21-S	100	100	22.62	2520.00	95.63	722.73	0.000000	0.00	0.000
25-22-S	100	100	22.62	2520.00	73.26	722.73	0.000000	0.00	0.000
25-23-S	100	100	22.62	2520.00	50.85	722.73	0.000000	0.00	0.000
25-24-S	100	100	22.62	2520.00	28.28	722.73	0.000000	0.00	0.000
25-25-S	100	100	22.62	2520.00	13.09	722.73	0.000000	0.00	0.000
25-26-S	100	100	31.67	2520.00	3.75	-738.42	0.000000	0.00	0.000
26-1-S	100	100	27.14	2520.00	6.76	-725.34	0.000000	0.00	0.000
26-2-S	100	100	27.14	2520.00	9.22	-725.34	0.000000	0.00	0.000
26-3-S	100	100	27.14	2520.00	-13.64	-725.34	0.000000	0.00	0.000
26-4-S	100	100	27.14	2520.00	-81.53	-725.34	0.000000	0.00	0.000
26-5-S	100	100	27.14	2520.00	-105.73	-725.34	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
26-6-S	100	100	22.62	2520.00	219.95	717.54	0.000000	0.00	0.000
26-7-S	100	100	22.62	2520.00	220.10	717.54	0.000000	0.00	0.000
26-8-S	100	100	22.62	2520.00	220.26	717.54	0.000000	0.00	0.000
26-9-S	100	100	22.62	2520.00	207.06	717.54	0.000000	0.00	0.000
26-10-S	100	100	22.62	2520.00	193.87	717.54	0.000000	0.00	0.000
26-11-S	100	100	27.14	2520.00	123.46	-725.34	0.000000	0.00	0.000
26-12-S	100	100	27.14	2520.00	71.51	-725.34	0.000000	0.00	0.000
26-13-S	100	100	27.14	2520.00	79.88	-725.34	0.000000	0.00	0.000
26-14-S	100	100	27.14	2520.00	100.06	-725.34	0.000000	0.00	0.000
26-15-S	100	100	27.14	2520.00	121.31	-725.34	0.000000	0.00	0.000
26-16-S	100	100	27.14	2520.00	139.42	-725.34	0.000000	0.00	0.000
26-17-S	100	100	22.62	2520.00	157.65	717.54	0.000000	0.00	0.000
26-18-S	100	100	22.62	2520.00	160.99	717.54	0.000000	0.00	0.000
26-19-S	100	100	22.62	2520.00	154.34	717.54	0.000000	0.00	0.000
26-20-S	100	100	27.14	2520.00	148.05	-725.34	0.000000	0.00	0.000
26-21-S	100	100	27.14	2520.00	95.15	-725.34	0.000000	0.00	0.000
26-22-S	100	100	27.14	2520.00	46.23	-725.34	0.000000	0.00	0.000
26-23-S	100	100	27.14	2520.00	-47.79	-725.34	0.000000	0.00	0.000
26-24-S	100	100	27.14	2520.00	-39.30	-725.34	0.000000	0.00	0.000
26-25-S	100	100	27.14	2520.00	-25.54	-725.34	0.000000	0.00	0.000
26-26-S	100	100	27.14	2520.00	-9.26	-725.34	0.000000	0.00	0.000
27-1-S	100	100	27.14	2520.00	-7.38	-725.34	0.000000	0.00	0.000
27-2-S	100	100	27.14	2520.00	-11.49	-725.34	0.000000	0.00	0.000
27-3-S	100	100	27.14	2520.00	-15.30	-725.34	0.000000	0.00	0.000
27-4-S	100	100	27.14	2520.00	-68.60	-725.34	0.000000	0.00	0.000
27-5-S	100	100	27.14	2520.00	-86.98	-725.34	0.000000	0.00	0.000
27-6-S	100	100	22.62	2520.00	259.41	717.54	0.000000	0.00	0.000
27-7-S	100	100	22.62	2520.00	247.78	717.54	0.000000	0.00	0.000
27-8-S	100	100	27.14	2520.00	236.17	-725.34	0.000000	0.00	0.000
27-9-S	100	100	27.14	2520.00	215.33	-725.34	0.000000	0.00	0.000
27-10-S	100	100	27.14	2520.00	194.52	-725.34	0.000000	0.00	0.000
27-11-S	100	100	27.14	2520.00	121.36	-725.34	0.000000	0.00	0.000
27-12-S	100	100	27.14	2520.00	64.55	-725.34	0.000000	0.00	0.000
27-13-S	100	100	27.14	2520.00	72.49	-725.34	0.000000	0.00	0.000
27-14-S	100	100	27.14	2520.00	92.63	-725.34	0.000000	0.00	0.000
27-15-S	100	100	27.14	2520.00	114.20	-725.34	0.000000	0.00	0.000
27-16-S	100	100	27.14	2520.00	134.47	-725.34	0.000000	0.00	0.000
27-17-S	100	100	27.14	2520.00	154.93	-725.34	0.000000	0.00	0.000
27-18-S	100	100	27.14	2520.00	158.25	-725.34	0.000000	0.00	0.000
27-19-S	100	100	27.14	2520.00	150.40	-725.34	0.000000	0.00	0.000
27-20-S	100	100	27.14	2520.00	142.53	-725.34	0.000000	0.00	0.000
27-21-S	100	100	27.14	2520.00	87.73	-725.34	0.000000	0.00	0.000
27-22-S	100	100	27.14	2520.00	34.21	-725.34	0.000000	0.00	0.000
27-23-S	100	100	27.14	2520.00	-38.22	-725.34	0.000000	0.00	0.000
27-24-S	100	100	27.14	2520.00	-31.93	-725.34	0.000000	0.00	0.000
27-25-S	100	100	27.14	2520.00	-19.63	-725.34	0.000000	0.00	0.000
27-26-S	100	100	27.14	2520.00	-3.82	-725.34	0.000000	0.00	0.000

Pali in c.a.

Apertura limite fessure $w_{lim}=0.400$ mm

Ip	Is	Af [cmq]	Aeff [cmq]	Mpf [kNm]	M [kNm]	N [kN]	ε [%]	Sm [mm]	w _m [mm]
1	1	26.61	495.62	327.32	-362.05	732.50	0.000000	0.00	0.00
2	1	26.61	468.96	339.29	-362.05	920.43	0.000000	0.00	0.00
3	1	19.01	443.96	351.26	-362.05	1108.36	0.000000	0.00	0.00

10.1.7 Combinazioni SLEQ

Paramento

Apertura limite fessure $w_{lim}=0.20$

n°	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
1	100	30	22.62	1048.02	-0.45	-66.16	0.000000	0.00	0.000 (7)
2	100	31	22.62	1093.50	-0.39	-71.77	0.000000	0.00	0.000 (7)
3	100	32	22.62	1139.15	-0.24	-77.57	0.000000	0.00	0.000 (7)

RELAZIONE DI CALCOLO

n°	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
4	100	33	22.62	1184.95	0.01	83.56	0.000000	0.00	0.000 (7)
5	100	35	22.62	1230.91	0.36	89.75	0.000000	0.00	0.000 (7)
6	100	36	22.62	1277.01	0.81	96.13	0.000000	0.00	0.000 (7)
7	100	37	22.62	1323.24	1.37	102.70	0.000000	0.00	0.000 (7)
8	100	38	22.62	1369.61	2.05	109.46	0.000000	0.00	0.000 (7)
9	100	39	22.62	1416.10	2.85	116.41	0.000000	0.00	0.000 (7)
10	100	40	22.62	1462.71	3.78	123.54	0.000000	0.00	0.000 (7)
11	100	42	22.62	1509.44	4.83	130.85	0.000000	0.00	0.000 (7)
12	100	43	22.62	1556.29	6.02	138.35	0.000000	0.00	0.000 (7)
13	100	44	22.62	1603.24	7.35	146.04	0.000000	0.00	0.000 (7)
14	100	45	22.62	1650.29	8.82	153.91	0.000000	0.00	0.000 (7)
15	100	46	22.62	1697.44	10.44	161.96	0.000000	0.00	0.000 (7)
16	100	47	22.62	1744.69	12.22	170.19	0.000000	0.00	0.000 (7)
17	100	49	22.62	1792.03	14.15	178.61	0.000000	0.00	0.000 (7)
18	100	50	22.62	1839.46	16.25	187.21	0.000000	0.00	0.000 (7)
19	100	51	22.62	1886.98	18.52	195.98	0.000000	0.00	0.000 (7)
20	100	52	22.62	1934.58	20.96	204.95	0.000000	0.00	0.000 (7)
21	100	53	22.62	1982.26	23.58	214.09	0.000000	0.00	0.000 (7)
22	100	54	22.62	2030.01	26.39	223.42	0.000000	0.00	0.000 (7)
23	100	56	22.62	2077.85	29.38	232.91	0.000000	0.00	0.000 (7)
24	100	57	22.62	2125.75	32.57	242.60	0.000000	0.00	0.000 (7)
25	100	58	22.62	2173.73	35.96	252.47	0.000000	0.00	0.000 (7)
26	100	59	22.62	2221.78	39.55	262.52	0.000000	0.00	0.000 (7)
27	100	60	22.62	2269.89	43.34	272.75	0.000000	0.00	0.000 (7)
28	100	61	22.62	2318.06	47.36	283.16	0.000000	0.00	0.000 (7)
29	100	63	22.62	2366.30	51.58	293.75	0.000000	0.00	0.000 (7)
30	100	64	22.62	2414.61	56.04	304.52	0.000000	0.00	0.000 (7)
31	100	65	22.62	2462.97	60.72	315.46	0.000000	0.00	0.000 (7)
32	100	66	22.62	2511.38	65.63	326.60	0.000000	0.00	0.000 (7)
33	100	67	22.62	2520.00	70.78	337.91	0.000000	0.00	0.000 (7)
34	100	68	22.62	2520.00	76.17	349.40	0.000000	0.00	0.000 (7)
35	100	70	22.62	2520.00	81.81	361.08	0.000000	0.00	0.000 (7)
36	100	71	22.62	2520.00	87.71	372.93	0.000000	0.00	0.000 (7)
37	100	72	22.62	2520.00	93.86	384.96	0.000000	0.00	0.000 (7)
38	100	73	45.24	2515.95	100.27	439.71	0.000000	0.00	0.000 (7)
39	100	74	45.24	2520.00	106.95	453.08	0.000000	0.00	0.000 (7)
40	100	75	45.24	2520.00	113.90	466.64	0.000000	0.00	0.000 (7)
41	100	77	45.24	2520.00	121.13	480.36	0.000000	0.00	0.000 (7)
42	100	78	45.24	2520.00	128.64	494.29	0.000000	0.00	0.000 (7)
43	100	79	45.24	2520.00	136.43	508.36	0.000000	0.00	0.000 (7)
44	100	80	45.24	2520.00	144.52	522.66	0.000000	0.00	0.000 (7)
45	100	81	45.24	2520.00	152.91	537.10	0.000000	0.00	0.000 (7)
46	100	82	45.24	2520.00	161.59	551.76	0.000000	0.00	0.000 (7)
47	100	84	45.24	2520.00	170.59	566.57	0.000000	0.00	0.000 (7)
48	100	85	45.24	2520.00	179.89	581.59	0.000000	0.00	0.000 (7)
49	100	86	45.24	2520.00	189.51	596.76	0.000000	0.00	0.000 (7)
50	100	87	45.24	2520.00	199.45	612.14	0.000000	0.00	0.000 (7)
51	100	88	45.24	2520.00	209.72	627.69	0.000000	0.00	0.000 (7)
52	100	89	45.24	2520.00	220.32	616.07	0.000000	0.00	0.000 (7)
53	100	91	45.24	2520.00	231.25	631.49	0.000000	0.00	0.000 (7)
54	100	92	45.24	2520.00	242.52	647.05	0.000000	0.00	0.000 (7)
55	100	93	45.24	2520.00	254.14	662.85	0.000000	0.00	0.000 (7)
56	100	94	45.24	2520.00	266.11	678.76	0.000000	0.00	0.000 (7)
57	100	95	45.24	2520.00	278.44	694.92	0.000000	0.00	0.000 (7)
58	100	96	45.24	2520.00	291.12	711.21	0.000000	0.00	0.000 (7)
59	100	98	45.24	2520.00	304.17	727.70	0.000000	0.00	0.000 (7)
60	100	99	45.24	2520.00	317.59	744.38	0.000000	0.00	0.000 (7)
61	100	100	45.24	2520.00	331.39	759.59	0.000000	0.00	0.000 (7)

Piastra fondazione

Apertura limite fessure $w_{lim}=0.20$

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
1-1-P	100	100	27.14	2520.00	9.41	-730.72	0.000000	0.00	0.000
1-2-P	100	100	27.14	2520.00	-8.47	-730.72	0.000000	0.00	0.000
1-3-P	100	100	27.14	2520.00	-20.03	-730.72	0.000000	0.00	0.000
1-4-P	100	100	27.14	2520.00	-44.27	-730.72	0.000000	0.00	0.000
1-5-P	100	100	27.14	2520.00	-75.80	-730.72	0.000000	0.00	0.000
1-6-P	100	100	27.14	2520.00	-45.15	-730.72	0.000000	0.00	0.000
1-7-P	100	100	27.14	2520.00	-16.58	-730.72	0.000000	0.00	0.000
1-8-P	100	100	27.14	2520.00	4.76	-730.72	0.000000	0.00	0.000
1-9-P	100	100	27.14	2520.00	10.92	-730.72	0.000000	0.00	0.000
1-10-P	100	100	27.14	2520.00	17.58	-730.72	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
1-11-P	100	100	27.14	2520.00	17.41	730.72	0.000000	0.00	0.000
1-12-P	100	100	27.14	2520.00	17.32	-730.72	0.000000	0.00	0.000
1-13-P	100	100	27.14	2520.00	11.01	-730.72	0.000000	0.00	0.000
1-14-P	100	100	27.14	2520.00	4.69	-730.72	0.000000	0.00	0.000
1-15-P	100	100	27.14	2520.00	-14.72	-730.72	0.000000	0.00	0.000
1-16-P	100	100	27.14	2520.00	-41.45	-730.72	0.000000	0.00	0.000
1-17-P	100	100	27.14	2520.00	-69.99	-730.72	0.000000	0.00	0.000
1-18-P	100	100	27.14	2520.00	-41.47	-730.72	0.000000	0.00	0.000
1-19-P	100	100	27.14	2520.00	-14.76	-730.72	0.000000	0.00	0.000
1-20-P	100	100	27.14	2520.00	4.62	-730.72	0.000000	0.00	0.000
1-21-P	100	100	27.14	2520.00	10.67	-730.72	0.000000	0.00	0.000
1-22-P	100	100	27.14	2520.00	16.78	-730.72	0.000000	0.00	0.000
1-23-P	100	100	27.14	2520.00	16.75	-730.72	0.000000	0.00	0.000
1-24-P	100	100	27.14	2520.00	16.82	-730.72	0.000000	0.00	0.000
1-25-P	100	100	27.14	2520.00	8.26	-730.72	0.000000	0.00	0.000
1-26-P	100	100	27.14	2520.00	-4.07	-730.72	0.000000	0.00	0.000
1-27-P	100	100	27.14	2520.00	-8.60	-730.72	0.000000	0.00	0.000
1-28-P	100	100	27.14	2520.00	-29.88	-730.72	0.000000	0.00	0.000
1-29-P	100	100	27.14	2520.00	-64.33	-730.72	0.000000	0.00	0.000
1-30-P	100	100	27.14	2520.00	-24.48	-730.72	0.000000	0.00	0.000
1-31-P	100	100	27.14	2520.00	-17.87	-730.72	0.000000	0.00	0.000
1-32-P	100	100	27.14	2520.00	-6.69	-730.72	0.000000	0.00	0.000
1-33-P	100	100	27.14	2520.00	10.80	-730.72	0.000000	0.00	0.000
1-34-P	100	100	27.14	2520.00	18.26	-730.72	0.000000	0.00	0.000
1-35-P	100	100	27.14	2520.00	17.88	-730.72	0.000000	0.00	0.000
1-36-P	100	100	27.14	2520.00	17.61	-730.72	0.000000	0.00	0.000
1-37-P	100	100	27.14	2520.00	8.78	-730.72	0.000000	0.00	0.000
1-38-P	100	100	27.14	2520.00	-3.76	-730.72	0.000000	0.00	0.000
1-39-P	100	100	27.14	2520.00	-8.48	-730.72	0.000000	0.00	0.000
1-40-P	100	100	27.14	2520.00	-29.81	-730.72	0.000000	0.00	0.000
1-41-P	100	100	27.14	2520.00	-64.32	-730.72	0.000000	0.00	0.000
1-42-P	100	100	27.14	2520.00	-24.48	-730.72	0.000000	0.00	0.000
1-43-P	100	100	27.14	2520.00	-17.89	-730.72	0.000000	0.00	0.000
1-44-P	100	100	27.14	2520.00	-6.70	-730.72	0.000000	0.00	0.000
1-45-P	100	100	27.14	2520.00	10.77	-730.72	0.000000	0.00	0.000
1-46-P	100	100	27.14	2520.00	18.24	-730.72	0.000000	0.00	0.000
1-47-P	100	100	27.14	2520.00	17.87	-730.72	0.000000	0.00	0.000
1-48-P	100	100	27.14	2520.00	17.60	-730.72	0.000000	0.00	0.000
1-49-P	100	100	27.14	2520.00	8.77	-730.72	0.000000	0.00	0.000
1-50-P	100	100	27.14	2520.00	-3.77	-730.72	0.000000	0.00	0.000
1-51-P	100	100	27.14	2520.00	-8.48	-730.72	0.000000	0.00	0.000
1-52-P	100	100	27.14	2520.00	-29.81	-730.72	0.000000	0.00	0.000
1-53-P	100	100	27.14	2520.00	-64.32	-730.72	0.000000	0.00	0.000
1-54-P	100	100	27.14	2520.00	-24.48	-730.72	0.000000	0.00	0.000
1-55-P	100	100	27.14	2520.00	-17.89	-730.72	0.000000	0.00	0.000
1-56-P	100	100	27.14	2520.00	-6.70	-730.72	0.000000	0.00	0.000
1-57-P	100	100	27.14	2520.00	10.77	-730.72	0.000000	0.00	0.000
1-58-P	100	100	27.14	2520.00	18.23	-730.72	0.000000	0.00	0.000
1-59-P	100	100	27.14	2520.00	17.85	-730.72	0.000000	0.00	0.000
1-60-P	100	100	27.14	2520.00	17.57	-730.72	0.000000	0.00	0.000
1-61-P	100	100	27.14	2520.00	8.74	-730.72	0.000000	0.00	0.000
1-62-P	100	100	27.14	2520.00	-3.80	-730.72	0.000000	0.00	0.000
1-63-P	100	100	27.14	2520.00	-8.51	-730.72	0.000000	0.00	0.000
1-64-P	100	100	27.14	2520.00	-29.86	-730.72	0.000000	0.00	0.000
1-65-P	100	100	27.14	2520.00	-64.36	-730.72	0.000000	0.00	0.000
1-66-P	100	100	27.14	2520.00	-24.49	-730.72	0.000000	0.00	0.000
1-67-P	100	100	27.14	2520.00	-17.89	-730.72	0.000000	0.00	0.000
1-68-P	100	100	27.14	2520.00	-6.58	-730.72	0.000000	0.00	0.000
1-69-P	100	100	27.14	2520.00	11.07	-730.72	0.000000	0.00	0.000
1-70-P	100	100	27.14	2520.00	18.76	-730.72	0.000000	0.00	0.000
1-71-P	100	100	27.14	2520.00	18.51	730.72	0.000000	0.00	0.000
1-72-P	100	100	27.14	2520.00	18.35	-730.72	0.000000	0.00	0.000
1-73-P	100	100	27.14	2520.00	11.41	-730.72	0.000000	0.00	0.000
1-74-P	100	100	27.14	2520.00	4.84	-730.72	0.000000	0.00	0.000
1-75-P	100	100	27.14	2520.00	-16.45	-730.72	0.000000	0.00	0.000
1-76-P	100	100	27.14	2520.00	-45.09	-730.72	0.000000	0.00	0.000
1-77-P	100	100	27.14	2520.00	-75.79	-730.72	0.000000	0.00	0.000
1-78-P	100	100	27.14	2520.00	-44.28	-730.72	0.000000	0.00	0.000
1-79-P	100	100	27.14	2520.00	-20.04	-730.72	0.000000	0.00	0.000
1-80-P	100	100	27.14	2520.00	-8.47	-730.72	0.000000	0.00	0.000
1-81-P	100	100	27.14	2520.00	9.41	-730.72	0.000000	0.00	0.000
3-1-P	100	100	22.62	2520.00	18.12	-712.23	0.000000	0.00	0.000
3-2-P	100	100	22.62	2520.00	19.69	-712.23	0.000000	0.00	0.000
3-3-P	100	100	22.62	2520.00	24.46	-712.23	0.000000	0.00	0.000
3-4-P	100	100	22.62	2520.00	32.24	-712.23	0.000000	0.00	0.000
3-5-P	100	100	22.62	2520.00	44.55	-712.23	0.000000	0.00	0.000
3-6-P	100	100	22.62	2520.00	46.23	-712.23	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
3-7-P	100	100	22.62	2520.00	47.90	-712.23	0.000000	0.00	0.000
3-8-P	100	100	22.62	2520.00	53.66	-712.23	0.000000	0.00	0.000
3-9-P	100	100	22.62	2520.00	62.14	-712.23	0.000000	0.00	0.000
3-10-P	100	100	22.62	2520.00	68.57	-712.23	0.000000	0.00	0.000
3-11-P	100	100	22.62	2520.00	66.84	-712.23	0.000000	0.00	0.000
3-12-P	100	100	22.62	2520.00	65.10	-712.23	0.000000	0.00	0.000
3-13-P	100	100	22.62	2520.00	55.96	-712.23	0.000000	0.00	0.000
3-14-P	100	100	22.62	2520.00	44.98	-712.23	0.000000	0.00	0.000
3-15-P	100	100	22.62	2520.00	38.12	-712.23	0.000000	0.00	0.000
3-16-P	100	100	22.62	2520.00	37.47	-712.23	0.000000	0.00	0.000
3-17-P	100	100	22.62	2520.00	36.82	-712.23	0.000000	0.00	0.000
3-18-P	100	100	22.62	2520.00	33.80	-712.23	0.000000	0.00	0.000
3-19-P	100	100	22.62	2520.00	30.77	-712.23	0.000000	0.00	0.000
3-20-P	100	100	22.62	2520.00	34.04	-712.23	0.000000	0.00	0.000
3-21-P	100	100	22.62	2520.00	41.51	-712.23	0.000000	0.00	0.000
3-22-P	100	100	22.62	2520.00	47.24	-712.23	0.000000	0.00	0.000
3-23-P	100	100	22.62	2520.00	45.99	-712.23	0.000000	0.00	0.000
3-24-P	100	100	22.62	2520.00	44.74	-712.23	0.000000	0.00	0.000
3-25-P	100	100	22.62	2520.00	36.51	-712.23	0.000000	0.00	0.000
3-26-P	100	100	22.62	2520.00	26.52	-712.23	0.000000	0.00	0.000
3-27-P	100	100	22.62	2520.00	20.72	-712.23	0.000000	0.00	0.000
3-28-P	100	100	22.62	2520.00	21.19	-712.23	0.000000	0.00	0.000
3-29-P	100	100	22.62	2520.00	21.65	-712.23	0.000000	0.00	0.000
3-30-P	100	100	22.62	2520.00	19.71	-712.23	0.000000	0.00	0.000
3-31-P	100	100	22.62	2520.00	17.86	-712.23	0.000000	0.00	0.000
3-32-P	100	100	22.62	2520.00	22.08	-712.23	0.000000	0.00	0.000
3-33-P	100	100	22.62	2520.00	30.55	-712.23	0.000000	0.00	0.000
3-34-P	100	100	22.62	2520.00	37.26	-712.23	0.000000	0.00	0.000
3-35-P	100	100	22.62	2520.00	36.92	-712.23	0.000000	0.00	0.000
3-36-P	100	100	22.62	2520.00	36.58	-712.23	0.000000	0.00	0.000
3-37-P	100	100	22.62	2520.00	29.19	-712.23	0.000000	0.00	0.000
3-38-P	100	100	22.62	2520.00	20.04	-712.23	0.000000	0.00	0.000
3-39-P	100	100	22.62	2520.00	15.12	-712.23	0.000000	0.00	0.000
3-40-P	100	100	22.62	2520.00	16.27	-712.23	0.000000	0.00	0.000
3-41-P	100	100	22.62	2520.00	17.50	-712.23	0.000000	0.00	0.000
3-42-P	100	100	22.62	2520.00	16.27	-712.23	0.000000	0.00	0.000
3-43-P	100	100	22.62	2520.00	15.12	-712.23	0.000000	0.00	0.000
3-44-P	100	100	22.62	2520.00	20.04	-712.23	0.000000	0.00	0.000
3-45-P	100	100	22.62	2520.00	29.19	-712.23	0.000000	0.00	0.000
3-46-P	100	100	22.62	2520.00	36.58	-712.23	0.000000	0.00	0.000
3-47-P	100	100	22.62	2520.00	36.92	-712.23	0.000000	0.00	0.000
3-48-P	100	100	22.62	2520.00	37.26	-712.23	0.000000	0.00	0.000
3-49-P	100	100	22.62	2520.00	30.55	-712.23	0.000000	0.00	0.000
3-50-P	100	100	22.62	2520.00	22.08	-712.23	0.000000	0.00	0.000
3-51-P	100	100	22.62	2520.00	17.86	-712.23	0.000000	0.00	0.000
3-52-P	100	100	22.62	2520.00	19.71	-712.23	0.000000	0.00	0.000
3-53-P	100	100	22.62	2520.00	21.65	-712.23	0.000000	0.00	0.000
3-54-P	100	100	22.62	2520.00	21.19	-712.23	0.000000	0.00	0.000
3-55-P	100	100	22.62	2520.00	20.72	-712.23	0.000000	0.00	0.000
3-56-P	100	100	22.62	2520.00	26.52	-712.23	0.000000	0.00	0.000
3-57-P	100	100	22.62	2520.00	36.51	-712.23	0.000000	0.00	0.000
3-58-P	100	100	22.62	2520.00	44.74	-712.23	0.000000	0.00	0.000
3-59-P	100	100	22.62	2520.00	45.99	-712.23	0.000000	0.00	0.000
3-60-P	100	100	22.62	2520.00	47.24	-712.23	0.000000	0.00	0.000
3-61-P	100	100	22.62	2520.00	41.51	-712.23	0.000000	0.00	0.000
3-62-P	100	100	22.62	2520.00	34.04	-712.23	0.000000	0.00	0.000
3-63-P	100	100	22.62	2520.00	30.77	-712.23	0.000000	0.00	0.000
3-64-P	100	100	22.62	2520.00	33.80	-712.23	0.000000	0.00	0.000
3-65-P	100	100	22.62	2520.00	36.82	-712.23	0.000000	0.00	0.000
3-66-P	100	100	22.62	2520.00	37.47	-712.23	0.000000	0.00	0.000
3-67-P	100	100	22.62	2520.00	38.12	-712.23	0.000000	0.00	0.000
3-68-P	100	100	22.62	2520.00	44.98	-712.23	0.000000	0.00	0.000
3-69-P	100	100	22.62	2520.00	55.96	-712.23	0.000000	0.00	0.000
3-70-P	100	100	22.62	2520.00	65.10	-712.23	0.000000	0.00	0.000
3-71-P	100	100	22.62	2520.00	66.84	-712.23	0.000000	0.00	0.000
3-72-P	100	100	22.62	2520.00	68.57	-712.23	0.000000	0.00	0.000
3-73-P	100	100	22.62	2520.00	62.14	-712.23	0.000000	0.00	0.000
3-74-P	100	100	22.62	2520.00	53.66	-712.23	0.000000	0.00	0.000
3-75-P	100	100	22.62	2520.00	47.90	-712.23	0.000000	0.00	0.000
3-76-P	100	100	22.62	2520.00	46.23	-712.23	0.000000	0.00	0.000
3-77-P	100	100	22.62	2520.00	44.55	-712.23	0.000000	0.00	0.000
3-78-P	100	100	22.62	2520.00	32.24	-712.23	0.000000	0.00	0.000
3-79-P	100	100	22.62	2520.00	24.46	-712.23	0.000000	0.00	0.000
3-80-P	100	100	22.62	2520.00	19.69	-712.23	0.000000	0.00	0.000
3-81-P	100	100	22.62	2520.00	18.12	-712.23	0.000000	0.00	0.000
4-1-P	100	100	22.62	2520.00	11.94	-712.23	0.000000	0.00	0.000
4-2-P	100	100	22.62	2520.00	5.31	-712.23	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
4-3-P	100	100	22.62	2520.00	-9.13	-712.23	0.000000	0.00	0.000
4-4-P	100	100	22.62	2520.00	-74.69	-712.23	0.000000	0.00	0.000
4-5-P	100	100	22.62	2520.00	-144.46	-712.23	0.000000	0.00	0.000
4-6-P	100	100	22.62	2520.00	-66.61	-712.23	0.000000	0.00	0.000
4-7-P	100	100	22.62	2520.00	23.88	-712.23	0.000000	0.00	0.000
4-8-P	100	100	22.62	2520.00	62.50	-712.23	0.000000	0.00	0.000
4-9-P	100	100	22.62	2520.00	80.66	-712.23	0.000000	0.00	0.000
4-10-P	100	100	22.62	2520.00	95.33	-712.23	0.000000	0.00	0.000
4-11-P	100	100	22.62	2520.00	96.04	-712.23	0.000000	0.00	0.000
4-12-P	100	100	22.62	2520.00	96.76	-712.23	0.000000	0.00	0.000
4-13-P	100	100	22.62	2520.00	84.54	-712.23	0.000000	0.00	0.000
4-14-P	100	100	22.62	2520.00	69.10	-712.23	0.000000	0.00	0.000
4-15-P	100	100	22.62	2520.00	29.80	-712.23	0.000000	0.00	0.000
4-16-P	100	100	22.62	2520.00	-47.33	-712.23	0.000000	0.00	0.000
4-17-P	100	100	22.62	2520.00	-121.55	-712.23	0.000000	0.00	0.000
4-18-P	100	100	22.62	2520.00	-51.43	-712.23	0.000000	0.00	0.000
4-19-P	100	100	22.62	2520.00	27.55	-712.23	0.000000	0.00	0.000
4-20-P	100	100	22.62	2520.00	63.12	-712.23	0.000000	0.00	0.000
4-21-P	100	100	22.62	2520.00	76.99	-712.23	0.000000	0.00	0.000
4-22-P	100	100	22.62	2520.00	87.87	-712.23	0.000000	0.00	0.000
4-23-P	100	100	22.62	2520.00	86.82	-712.23	0.000000	0.00	0.000
4-24-P	100	100	22.62	2520.00	85.78	-712.23	0.000000	0.00	0.000
4-25-P	100	100	22.62	2520.00	72.84	-712.23	0.000000	0.00	0.000
4-26-P	100	100	22.62	2520.00	56.92	-712.23	0.000000	0.00	0.000
4-27-P	100	100	22.62	2520.00	17.41	-712.23	0.000000	0.00	0.000
4-28-P	100	100	22.62	2520.00	-57.90	-712.23	0.000000	0.00	0.000
4-29-P	100	100	22.62	2520.00	-132.57	-712.23	0.000000	0.00	0.000
4-30-P	100	100	22.62	2520.00	-59.98	-712.23	0.000000	0.00	0.000
4-31-P	100	100	22.62	2520.00	18.89	-712.23	0.000000	0.00	0.000
4-32-P	100	100	22.62	2520.00	52.67	-712.23	0.000000	0.00	0.000
4-33-P	100	100	22.62	2520.00	67.17	-712.23	0.000000	0.00	0.000
4-34-P	100	100	22.62	2520.00	78.70	-712.23	0.000000	0.00	0.000
4-35-P	100	100	22.62	2520.00	78.35	-712.23	0.000000	0.00	0.000
4-36-P	100	100	22.62	2520.00	78.00	-712.23	0.000000	0.00	0.000
4-37-P	100	100	22.62	2520.00	65.77	-712.23	0.000000	0.00	0.000
4-38-P	100	100	22.62	2520.00	50.57	-712.23	0.000000	0.00	0.000
4-39-P	100	100	22.62	2520.00	14.83	-712.23	0.000000	0.00	0.000
4-40-P	100	100	22.62	2520.00	-62.76	-712.23	0.000000	0.00	0.000
4-41-P	100	100	22.62	2520.00	-136.61	-712.23	0.000000	0.00	0.000
4-42-P	100	100	22.62	2520.00	-62.76	-712.23	0.000000	0.00	0.000
4-43-P	100	100	22.62	2520.00	14.83	-712.23	0.000000	0.00	0.000
4-44-P	100	100	22.62	2520.00	50.57	-712.23	0.000000	0.00	0.000
4-45-P	100	100	22.62	2520.00	65.77	-712.23	0.000000	0.00	0.000
4-46-P	100	100	22.62	2520.00	78.00	-712.23	0.000000	0.00	0.000
4-47-P	100	100	22.62	2520.00	78.35	-712.23	0.000000	0.00	0.000
4-48-P	100	100	22.62	2520.00	78.70	-712.23	0.000000	0.00	0.000
4-49-P	100	100	22.62	2520.00	67.17	-712.23	0.000000	0.00	0.000
4-50-P	100	100	22.62	2520.00	52.67	-712.23	0.000000	0.00	0.000
4-51-P	100	100	22.62	2520.00	18.89	-712.23	0.000000	0.00	0.000
4-52-P	100	100	22.62	2520.00	-59.98	-712.23	0.000000	0.00	0.000
4-53-P	100	100	22.62	2520.00	-132.57	-712.23	0.000000	0.00	0.000
4-54-P	100	100	22.62	2520.00	-57.90	-712.23	0.000000	0.00	0.000
4-55-P	100	100	22.62	2520.00	17.41	-712.23	0.000000	0.00	0.000
4-56-P	100	100	22.62	2520.00	56.92	-712.23	0.000000	0.00	0.000
4-57-P	100	100	22.62	2520.00	72.84	-712.23	0.000000	0.00	0.000
4-58-P	100	100	22.62	2520.00	85.78	-712.23	0.000000	0.00	0.000
4-59-P	100	100	22.62	2520.00	86.82	-712.23	0.000000	0.00	0.000
4-60-P	100	100	22.62	2520.00	87.87	-712.23	0.000000	0.00	0.000
4-61-P	100	100	22.62	2520.00	76.99	-712.23	0.000000	0.00	0.000
4-62-P	100	100	22.62	2520.00	63.12	-712.23	0.000000	0.00	0.000
4-63-P	100	100	22.62	2520.00	27.55	-712.23	0.000000	0.00	0.000
4-64-P	100	100	22.62	2520.00	-51.43	-712.23	0.000000	0.00	0.000
4-65-P	100	100	22.62	2520.00	-121.55	-712.23	0.000000	0.00	0.000
4-66-P	100	100	22.62	2520.00	-47.33	-712.23	0.000000	0.00	0.000
4-67-P	100	100	22.62	2520.00	29.80	-712.23	0.000000	0.00	0.000
4-68-P	100	100	22.62	2520.00	69.10	-712.23	0.000000	0.00	0.000
4-69-P	100	100	22.62	2520.00	84.54	-712.23	0.000000	0.00	0.000
4-70-P	100	100	22.62	2520.00	96.76	-712.23	0.000000	0.00	0.000
4-71-P	100	100	22.62	2520.00	96.04	-712.23	0.000000	0.00	0.000
4-72-P	100	100	22.62	2520.00	95.33	-712.23	0.000000	0.00	0.000
4-73-P	100	100	22.62	2520.00	80.66	-712.23	0.000000	0.00	0.000
4-74-P	100	100	22.62	2520.00	62.50	-712.23	0.000000	0.00	0.000
4-75-P	100	100	22.62	2520.00	23.88	-712.23	0.000000	0.00	0.000
4-76-P	100	100	22.62	2520.00	-66.61	-712.23	0.000000	0.00	0.000
4-77-P	100	100	22.62	2520.00	-144.46	-712.23	0.000000	0.00	0.000
4-78-P	100	100	22.62	2520.00	-74.69	-712.23	0.000000	0.00	0.000
4-79-P	100	100	22.62	2520.00	-9.13	-712.23	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
4-80-P	100	100	22.62	2520.00	5.31	-712.23	0.000000	0.00	0.000
4-81-P	100	100	22.62	2520.00	11.94	-712.23	0.000000	0.00	0.000
5-1-P	100	100	27.14	2520.00	-8.17	-730.72	0.000000	0.00	0.000
5-2-P	100	100	27.14	2520.00	-13.79	-730.72	0.000000	0.00	0.000
5-3-P	100	100	27.14	2520.00	-19.43	-730.72	0.000000	0.00	0.000
5-4-P	100	100	27.14	2520.00	-18.97	-730.72	0.000000	0.00	0.000
5-5-P	100	100	27.14	2520.00	-18.90	-730.72	0.000000	0.00	0.000
5-6-P	100	100	27.14	2520.00	10.45	-730.72	0.000000	0.00	0.000
5-7-P	100	100	27.14	2520.00	20.04	-730.72	0.000000	0.00	0.000
5-8-P	100	100	27.14	2520.00	39.07	-730.72	0.000000	0.00	0.000
5-9-P	100	100	27.14	2520.00	59.73	-730.72	0.000000	0.00	0.000
5-10-P	100	100	27.14	2520.00	76.72	-730.72	0.000000	0.00	0.000
5-11-P	100	100	27.14	2520.00	78.98	-730.72	0.000000	0.00	0.000
5-12-P	100	100	27.14	2520.00	81.25	-730.72	0.000000	0.00	0.000
5-13-P	100	100	27.14	2520.00	69.22	-730.72	0.000000	0.00	0.000
5-14-P	100	100	27.14	2520.00	53.62	-730.72	0.000000	0.00	0.000
5-15-P	100	100	27.14	2520.00	40.22	-730.72	0.000000	0.00	0.000
5-16-P	100	100	27.14	2520.00	31.24	-730.72	0.000000	0.00	0.000
5-17-P	100	100	27.14	2520.00	24.99	-730.72	0.000000	0.00	0.000
5-18-P	100	100	27.14	2520.00	30.77	-730.72	0.000000	0.00	0.000
5-19-P	100	100	27.14	2520.00	39.20	-730.72	0.000000	0.00	0.000
5-20-P	100	100	27.14	2520.00	52.46	-730.72	0.000000	0.00	0.000
5-21-P	100	100	27.14	2520.00	68.17	-730.72	0.000000	0.00	0.000
5-22-P	100	100	27.14	2520.00	80.58	-730.72	0.000000	0.00	0.000
5-23-P	100	100	27.14	2520.00	79.76	-730.72	0.000000	0.00	0.000
5-24-P	100	100	27.14	2520.00	78.95	-730.72	0.000000	0.00	0.000
5-25-P	100	100	27.14	2520.00	65.00	-730.72	0.000000	0.00	0.000
5-26-P	100	100	27.14	2520.00	47.76	-730.72	0.000000	0.00	0.000
5-27-P	100	100	27.14	2520.00	33.09	-730.72	0.000000	0.00	0.000
5-28-P	100	100	27.14	2520.00	24.09	-730.72	0.000000	0.00	0.000
5-29-P	100	100	27.14	2520.00	17.84	-730.72	0.000000	0.00	0.000
5-30-P	100	100	27.14	2520.00	22.87	-730.72	0.000000	0.00	0.000
5-31-P	100	100	27.14	2520.00	30.37	-730.72	0.000000	0.00	0.000
5-32-P	100	100	27.14	2520.00	43.71	-730.72	0.000000	0.00	0.000
5-33-P	100	100	27.14	2520.00	59.64	-730.72	0.000000	0.00	0.000
5-34-P	100	100	27.14	2520.00	72.32	-730.72	0.000000	0.00	0.000
5-35-P	100	100	27.14	2520.00	71.95	-730.72	0.000000	0.00	0.000
5-36-P	100	100	27.14	2520.00	71.58	-730.72	0.000000	0.00	0.000
5-37-P	100	100	27.14	2520.00	58.18	-730.72	0.000000	0.00	0.000
5-38-P	100	100	27.14	2520.00	41.52	-730.72	0.000000	0.00	0.000
5-39-P	100	100	27.14	2520.00	27.46	-730.72	0.000000	0.00	0.000
5-40-P	100	100	27.14	2520.00	19.68	-730.72	0.000000	0.00	0.000
5-41-P	100	100	27.14	2520.00	14.48	-730.72	0.000000	0.00	0.000
5-42-P	100	100	27.14	2520.00	19.68	-730.72	0.000000	0.00	0.000
5-43-P	100	100	27.14	2520.00	27.46	-730.72	0.000000	0.00	0.000
5-44-P	100	100	27.14	2520.00	41.52	-730.72	0.000000	0.00	0.000
5-45-P	100	100	27.14	2520.00	58.18	-730.72	0.000000	0.00	0.000
5-46-P	100	100	27.14	2520.00	71.58	-730.72	0.000000	0.00	0.000
5-47-P	100	100	27.14	2520.00	71.95	-730.72	0.000000	0.00	0.000
5-48-P	100	100	27.14	2520.00	72.32	-730.72	0.000000	0.00	0.000
5-49-P	100	100	27.14	2520.00	59.64	-730.72	0.000000	0.00	0.000
5-50-P	100	100	27.14	2520.00	43.71	-730.72	0.000000	0.00	0.000
5-51-P	100	100	27.14	2520.00	30.37	-730.72	0.000000	0.00	0.000
5-52-P	100	100	27.14	2520.00	22.87	-730.72	0.000000	0.00	0.000
5-53-P	100	100	27.14	2520.00	17.84	-730.72	0.000000	0.00	0.000
5-54-P	100	100	27.14	2520.00	24.09	-730.72	0.000000	0.00	0.000
5-55-P	100	100	27.14	2520.00	33.09	-730.72	0.000000	0.00	0.000
5-56-P	100	100	27.14	2520.00	47.76	-730.72	0.000000	0.00	0.000
5-57-P	100	100	27.14	2520.00	65.00	-730.72	0.000000	0.00	0.000
5-58-P	100	100	27.14	2520.00	78.95	-730.72	0.000000	0.00	0.000
5-59-P	100	100	27.14	2520.00	79.76	-730.72	0.000000	0.00	0.000
5-60-P	100	100	27.14	2520.00	80.58	-730.72	0.000000	0.00	0.000
5-61-P	100	100	27.14	2520.00	68.17	-730.72	0.000000	0.00	0.000
5-62-P	100	100	27.14	2520.00	52.46	-730.72	0.000000	0.00	0.000
5-63-P	100	100	27.14	2520.00	39.20	-730.72	0.000000	0.00	0.000
5-64-P	100	100	27.14	2520.00	30.77	-730.72	0.000000	0.00	0.000
5-65-P	100	100	27.14	2520.00	24.99	-730.72	0.000000	0.00	0.000
5-66-P	100	100	27.14	2520.00	31.24	-730.72	0.000000	0.00	0.000
5-67-P	100	100	27.14	2520.00	40.22	-730.72	0.000000	0.00	0.000
5-68-P	100	100	27.14	2520.00	53.62	-730.72	0.000000	0.00	0.000
5-69-P	100	100	27.14	2520.00	69.22	-730.72	0.000000	0.00	0.000
5-70-P	100	100	27.14	2520.00	81.25	-730.72	0.000000	0.00	0.000
5-71-P	100	100	27.14	2520.00	78.98	-730.72	0.000000	0.00	0.000
5-72-P	100	100	27.14	2520.00	76.72	-730.72	0.000000	0.00	0.000
5-73-P	100	100	27.14	2520.00	59.73	-730.72	0.000000	0.00	0.000
5-74-P	100	100	27.14	2520.00	39.07	-730.72	0.000000	0.00	0.000
5-75-P	100	100	27.14	2520.00	20.04	-730.72	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
5-76-P	100	100	27.14	2520.00	10.45	-730.72	0.000000	0.00	0.000
5-77-P	100	100	27.14	2520.00	-18.90	-730.72	0.000000	0.00	0.000
5-78-P	100	100	27.14	2520.00	-18.97	-730.72	0.000000	0.00	0.000
5-79-P	100	100	27.14	2520.00	-19.43	-730.72	0.000000	0.00	0.000
5-80-P	100	100	27.14	2520.00	-13.79	-730.72	0.000000	0.00	0.000
5-81-P	100	100	27.14	2520.00	-8.17	-730.72	0.000000	0.00	0.000
6-1-P	100	100	22.62	2520.00	2.28	-712.23	0.000000	0.00	0.000
6-2-P	100	100	22.62	2520.00	-10.48	-712.23	0.000000	0.00	0.000
6-3-P	100	100	22.62	2520.00	-20.92	-712.23	0.000000	0.00	0.000
6-4-P	100	100	22.62	2520.00	-28.26	-712.23	0.000000	0.00	0.000
6-5-P	100	100	22.62	2520.00	-39.85	-712.23	0.000000	0.00	0.000
6-6-P	100	100	22.62	2520.00	-21.62	-712.23	0.000000	0.00	0.000
6-7-P	100	100	22.62	2520.00	23.41	-712.23	0.000000	0.00	0.000
6-8-P	100	100	22.62	2520.00	36.82	-712.23	0.000000	0.00	0.000
6-9-P	100	100	22.62	2520.00	58.61	712.23	0.000000	0.00	0.000
6-10-P	100	100	22.62	2520.00	76.82	712.23	0.000000	0.00	0.000
6-11-P	100	100	22.62	2520.00	79.70	712.23	0.000000	0.00	0.000
6-12-P	100	100	22.62	2520.00	82.58	712.23	0.000000	0.00	0.000
6-13-P	100	100	22.62	2520.00	70.62	712.23	0.000000	0.00	0.000
6-14-P	100	100	22.62	2520.00	54.96	712.23	0.000000	0.00	0.000
6-15-P	100	100	22.62	2520.00	39.62	712.23	0.000000	0.00	0.000
6-16-P	100	100	22.62	2520.00	30.94	-712.23	0.000000	0.00	0.000
6-17-P	100	100	22.62	2520.00	31.80	-712.23	0.000000	0.00	0.000
6-18-P	100	100	22.62	2520.00	33.82	-712.23	0.000000	0.00	0.000
6-19-P	100	100	22.62	2520.00	41.80	-712.23	0.000000	0.00	0.000
6-20-P	100	100	22.62	2520.00	57.47	712.23	0.000000	0.00	0.000
6-21-P	100	100	22.62	2520.00	74.40	712.23	0.000000	0.00	0.000
6-22-P	100	100	22.62	2520.00	87.82	712.23	0.000000	0.00	0.000
6-23-P	100	100	22.62	2520.00	87.23	712.23	0.000000	0.00	0.000
6-24-P	100	100	22.62	2520.00	86.65	712.23	0.000000	0.00	0.000
6-25-P	100	100	22.62	2520.00	72.16	712.23	0.000000	0.00	0.000
6-26-P	100	100	22.62	2520.00	54.20	712.23	0.000000	0.00	0.000
6-27-P	100	100	22.62	2520.00	36.92	712.23	0.000000	0.00	0.000
6-28-P	100	100	22.62	2520.00	27.27	-712.23	0.000000	0.00	0.000
6-29-P	100	100	22.62	2520.00	27.31	-712.23	0.000000	0.00	0.000
6-30-P	100	100	22.62	2520.00	27.54	-712.23	0.000000	0.00	0.000
6-31-P	100	100	22.62	2520.00	34.32	712.23	0.000000	0.00	0.000
6-32-P	100	100	22.62	2520.00	50.36	712.23	0.000000	0.00	0.000
6-33-P	100	100	22.62	2520.00	67.13	712.23	0.000000	0.00	0.000
6-34-P	100	100	22.62	2520.00	80.47	712.23	0.000000	0.00	0.000
6-35-P	100	100	22.62	2520.00	80.08	712.23	0.000000	0.00	0.000
6-36-P	100	100	22.62	2520.00	79.70	712.23	0.000000	0.00	0.000
6-37-P	100	100	22.62	2520.00	65.60	712.23	0.000000	0.00	0.000
6-38-P	100	100	22.62	2520.00	48.08	712.23	0.000000	0.00	0.000
6-39-P	100	100	22.62	2520.00	31.31	712.23	0.000000	0.00	0.000
6-40-P	100	100	22.62	2520.00	23.99	-712.23	0.000000	0.00	0.000
6-41-P	100	100	22.62	2520.00	-25.39	-712.23	0.000000	0.00	0.000
6-42-P	100	100	22.62	2520.00	23.99	-712.23	0.000000	0.00	0.000
6-43-P	100	100	22.62	2520.00	31.31	712.23	0.000000	0.00	0.000
6-44-P	100	100	22.62	2520.00	48.08	712.23	0.000000	0.00	0.000
6-45-P	100	100	22.62	2520.00	65.60	712.23	0.000000	0.00	0.000
6-46-P	100	100	22.62	2520.00	79.70	712.23	0.000000	0.00	0.000
6-47-P	100	100	22.62	2520.00	80.08	712.23	0.000000	0.00	0.000
6-48-P	100	100	22.62	2520.00	80.47	712.23	0.000000	0.00	0.000
6-49-P	100	100	22.62	2520.00	67.13	712.23	0.000000	0.00	0.000
6-50-P	100	100	22.62	2520.00	50.36	712.23	0.000000	0.00	0.000
6-51-P	100	100	22.62	2520.00	34.32	712.23	0.000000	0.00	0.000
6-52-P	100	100	22.62	2520.00	27.54	-712.23	0.000000	0.00	0.000
6-53-P	100	100	22.62	2520.00	27.31	-712.23	0.000000	0.00	0.000
6-54-P	100	100	22.62	2520.00	27.27	-712.23	0.000000	0.00	0.000
6-55-P	100	100	22.62	2520.00	36.92	712.23	0.000000	0.00	0.000
6-56-P	100	100	22.62	2520.00	54.20	712.23	0.000000	0.00	0.000
6-57-P	100	100	22.62	2520.00	72.16	712.23	0.000000	0.00	0.000
6-58-P	100	100	22.62	2520.00	86.65	712.23	0.000000	0.00	0.000
6-59-P	100	100	22.62	2520.00	87.23	712.23	0.000000	0.00	0.000
6-60-P	100	100	22.62	2520.00	87.82	712.23	0.000000	0.00	0.000
6-61-P	100	100	22.62	2520.00	74.40	712.23	0.000000	0.00	0.000
6-62-P	100	100	22.62	2520.00	57.47	712.23	0.000000	0.00	0.000
6-63-P	100	100	22.62	2520.00	41.80	-712.23	0.000000	0.00	0.000
6-64-P	100	100	22.62	2520.00	33.82	-712.23	0.000000	0.00	0.000
6-65-P	100	100	22.62	2520.00	31.80	-712.23	0.000000	0.00	0.000
6-66-P	100	100	22.62	2520.00	30.94	-712.23	0.000000	0.00	0.000
6-67-P	100	100	22.62	2520.00	39.62	712.23	0.000000	0.00	0.000
6-68-P	100	100	22.62	2520.00	54.96	712.23	0.000000	0.00	0.000
6-69-P	100	100	22.62	2520.00	70.62	712.23	0.000000	0.00	0.000
6-70-P	100	100	22.62	2520.00	82.58	712.23	0.000000	0.00	0.000
6-71-P	100	100	22.62	2520.00	79.70	712.23	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
6-72-P	100	100	22.62	2520.00	76.82	712.23	0.000000	0.00	0.000
6-73-P	100	100	22.62	2520.00	58.61	712.23	0.000000	0.00	0.000
6-74-P	100	100	22.62	2520.00	36.82	-712.23	0.000000	0.00	0.000
6-75-P	100	100	22.62	2520.00	23.41	-712.23	0.000000	0.00	0.000
6-76-P	100	100	22.62	2520.00	-21.62	-712.23	0.000000	0.00	0.000
6-77-P	100	100	22.62	2520.00	-39.85	-712.23	0.000000	0.00	0.000
6-78-P	100	100	22.62	2520.00	-28.26	-712.23	0.000000	0.00	0.000
6-79-P	100	100	22.62	2520.00	-20.92	-712.23	0.000000	0.00	0.000
6-80-P	100	100	22.62	2520.00	-10.48	-712.23	0.000000	0.00	0.000
6-81-P	100	100	22.62	2520.00	2.28	-712.23	0.000000	0.00	0.000
7-1-P	100	100	22.62	2519.91	-7.97	-712.21	0.000000	0.00	0.000
7-2-P	100	100	22.62	2519.91	-18.30	-712.21	0.000000	0.00	0.000
7-3-P	100	100	22.62	2519.91	-33.23	-712.21	0.000000	0.00	0.000
7-4-P	100	100	22.62	2519.91	-96.77	-712.21	0.000000	0.00	0.000
7-5-P	100	100	22.62	2519.91	-162.56	-712.21	0.000000	0.00	0.000
7-6-P	100	100	22.62	2519.91	-89.53	-712.21	0.000000	0.00	0.000
7-7-P	100	100	22.62	2519.91	-33.15	-712.21	0.000000	0.00	0.000
7-8-P	100	100	22.62	2519.91	36.28	-712.21	0.000000	0.00	0.000
7-9-P	100	100	22.62	2519.91	54.60	-712.21	0.000000	0.00	0.000
7-10-P	100	100	22.62	2519.91	75.71	712.21	0.000000	0.00	0.000
7-11-P	100	100	22.62	2519.91	78.86	712.21	0.000000	0.00	0.000
7-12-P	100	100	22.62	2519.91	82.01	712.21	0.000000	0.00	0.000
7-13-P	100	100	22.62	2519.91	66.80	712.21	0.000000	0.00	0.000
7-14-P	100	100	22.62	2519.91	47.01	712.21	0.000000	0.00	0.000
7-15-P	100	100	22.62	2519.91	11.49	-712.21	0.000000	0.00	0.000
7-16-P	100	100	22.62	2519.91	-58.00	-712.21	0.000000	0.00	0.000
7-17-P	100	100	22.62	2519.91	-124.52	-712.21	0.000000	0.00	0.000
7-18-P	100	100	22.62	2519.91	-56.77	-712.21	0.000000	0.00	0.000
7-19-P	100	100	22.62	2519.91	24.81	-712.21	0.000000	0.00	0.000
7-20-P	100	100	22.62	2519.91	51.85	-712.21	0.000000	0.00	0.000
7-21-P	100	100	22.62	2519.91	73.26	712.21	0.000000	0.00	0.000
7-22-P	100	100	22.62	2519.91	90.51	712.21	0.000000	0.00	0.000
7-23-P	100	100	22.62	2519.91	90.07	712.21	0.000000	0.00	0.000
7-24-P	100	100	22.62	2519.91	89.62	712.21	0.000000	0.00	0.000
7-25-P	100	100	22.62	2519.91	71.60	712.21	0.000000	0.00	0.000
7-26-P	100	100	22.62	2519.91	49.19	712.21	0.000000	0.00	0.000
7-27-P	100	100	22.62	2519.91	10.54	-712.21	0.000000	0.00	0.000
7-28-P	100	100	22.62	2519.91	-59.82	-712.21	0.000000	0.00	0.000
7-29-P	100	100	22.62	2519.91	-128.07	-712.21	0.000000	0.00	0.000
7-30-P	100	100	22.62	2519.91	-61.11	-712.21	0.000000	0.00	0.000
7-31-P	100	100	22.62	2519.91	16.70	-712.21	0.000000	0.00	0.000
7-32-P	100	100	22.62	2519.91	45.44	-712.21	0.000000	0.00	0.000
7-33-P	100	100	22.62	2519.91	66.72	712.21	0.000000	0.00	0.000
7-34-P	100	100	22.62	2519.91	83.66	712.21	0.000000	0.00	0.000
7-35-P	100	100	22.62	2519.91	83.25	712.21	0.000000	0.00	0.000
7-36-P	100	100	22.62	2519.91	82.85	712.21	0.000000	0.00	0.000
7-37-P	100	100	22.62	2519.91	65.12	712.21	0.000000	0.00	0.000
7-38-P	100	100	22.62	2519.91	43.06	712.21	0.000000	0.00	0.000
7-39-P	100	100	22.62	2519.91	10.94	-712.21	0.000000	0.00	0.000
7-40-P	100	100	22.62	2519.91	-64.94	-712.21	0.000000	0.00	0.000
7-41-P	100	100	22.62	2519.91	-132.62	-712.21	0.000000	0.00	0.000
7-42-P	100	100	22.62	2519.91	-64.94	-712.21	0.000000	0.00	0.000
7-43-P	100	100	22.62	2519.91	10.94	-712.21	0.000000	0.00	0.000
7-44-P	100	100	22.62	2519.91	43.06	712.21	0.000000	0.00	0.000
7-45-P	100	100	22.62	2519.91	65.12	712.21	0.000000	0.00	0.000
7-46-P	100	100	22.62	2519.91	82.85	712.21	0.000000	0.00	0.000
7-47-P	100	100	22.62	2519.91	83.25	712.21	0.000000	0.00	0.000
7-48-P	100	100	22.62	2519.91	83.66	712.21	0.000000	0.00	0.000
7-49-P	100	100	22.62	2519.91	66.72	712.21	0.000000	0.00	0.000
7-50-P	100	100	22.62	2519.91	45.44	-712.21	0.000000	0.00	0.000
7-51-P	100	100	22.62	2519.91	16.70	-712.21	0.000000	0.00	0.000
7-52-P	100	100	22.62	2519.91	-61.11	-712.21	0.000000	0.00	0.000
7-53-P	100	100	22.62	2519.91	-128.07	-712.21	0.000000	0.00	0.000
7-54-P	100	100	22.62	2519.91	-59.82	-712.21	0.000000	0.00	0.000
7-55-P	100	100	22.62	2519.91	10.54	-712.21	0.000000	0.00	0.000
7-56-P	100	100	22.62	2519.91	49.19	712.21	0.000000	0.00	0.000
7-57-P	100	100	22.62	2519.91	71.60	712.21	0.000000	0.00	0.000
7-58-P	100	100	22.62	2519.91	89.62	712.21	0.000000	0.00	0.000
7-59-P	100	100	22.62	2519.91	90.07	712.21	0.000000	0.00	0.000
7-60-P	100	100	22.62	2519.91	90.51	712.21	0.000000	0.00	0.000
7-61-P	100	100	22.62	2519.91	73.26	712.21	0.000000	0.00	0.000
7-62-P	100	100	22.62	2519.91	51.85	-712.21	0.000000	0.00	0.000
7-63-P	100	100	22.62	2519.91	24.81	-712.21	0.000000	0.00	0.000
7-64-P	100	100	22.62	2519.91	-56.77	-712.21	0.000000	0.00	0.000
7-65-P	100	100	22.62	2519.91	-124.52	-712.21	0.000000	0.00	0.000
7-66-P	100	100	22.62	2519.91	-58.00	-712.21	0.000000	0.00	0.000
7-67-P	100	100	22.62	2519.91	11.49	-712.21	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
7-68-P	100	100	22.62	2519.91	47.01	712.21	0.000000	0.00	0.000
7-69-P	100	100	22.62	2519.91	66.80	712.21	0.000000	0.00	0.000
7-70-P	100	100	22.62	2519.91	82.01	712.21	0.000000	0.00	0.000
7-71-P	100	100	22.62	2519.91	78.86	712.21	0.000000	0.00	0.000
7-72-P	100	100	22.62	2519.91	75.71	712.21	0.000000	0.00	0.000
7-73-P	100	100	22.62	2519.91	54.60	-712.21	0.000000	0.00	0.000
7-74-P	100	100	22.62	2519.91	36.28	-712.21	0.000000	0.00	0.000
7-75-P	100	100	22.62	2519.91	-33.15	-712.21	0.000000	0.00	0.000
7-76-P	100	100	22.62	2519.91	-89.53	-712.21	0.000000	0.00	0.000
7-77-P	100	100	22.62	2519.91	-162.56	-712.21	0.000000	0.00	0.000
7-78-P	100	100	22.62	2519.91	-96.77	-712.21	0.000000	0.00	0.000
7-79-P	100	100	22.62	2519.91	-33.23	-712.21	0.000000	0.00	0.000
7-80-P	100	100	22.62	2519.91	-18.30	-712.21	0.000000	0.00	0.000
7-81-P	100	100	22.62	2519.91	-7.97	-712.21	0.000000	0.00	0.000
8-1-S	100	100	27.14	2520.00	-7.37	-725.34	0.000000	0.00	0.000
8-2-S	100	100	27.14	2520.00	-11.47	-725.34	0.000000	0.00	0.000
8-3-S	100	100	27.14	2520.00	-15.27	-725.34	0.000000	0.00	0.000
8-4-S	100	100	27.14	2520.00	-68.51	-725.34	0.000000	0.00	0.000
8-5-S	100	100	27.14	2520.00	-86.87	-725.34	0.000000	0.00	0.000
8-6-S	100	100	27.14	2520.00	259.41	-725.34	0.000000	0.00	0.000
8-7-S	100	100	27.14	2520.00	247.78	-725.34	0.000000	0.00	0.000
8-8-S	100	100	27.14	2520.00	236.17	-725.34	0.000000	0.00	0.000
8-9-S	100	100	27.14	2520.00	215.33	-725.34	0.000000	0.00	0.000
8-10-S	100	100	27.14	2520.00	194.52	-725.34	0.000000	0.00	0.000
8-11-S	100	100	27.14	2520.00	121.36	-725.34	0.000000	0.00	0.000
8-12-S	100	100	27.14	2520.00	64.55	-725.34	0.000000	0.00	0.000
8-13-S	100	100	27.14	2520.00	72.49	-725.34	0.000000	0.00	0.000
8-14-S	100	100	27.14	2520.00	92.63	-725.34	0.000000	0.00	0.000
8-15-S	100	100	27.14	2520.00	114.20	-725.34	0.000000	0.00	0.000
8-16-S	100	100	27.14	2520.00	134.47	-725.34	0.000000	0.00	0.000
8-17-S	100	100	27.14	2520.00	154.93	-725.34	0.000000	0.00	0.000
8-18-S	100	100	27.14	2520.00	158.25	-725.34	0.000000	0.00	0.000
8-19-S	100	100	22.62	2520.00	150.40	717.54	0.000000	0.00	0.000
8-20-S	100	100	27.14	2520.00	142.53	-725.34	0.000000	0.00	0.000
8-21-S	100	100	27.14	2520.00	87.73	-725.34	0.000000	0.00	0.000
8-22-S	100	100	27.14	2520.00	34.21	-725.34	0.000000	0.00	0.000
8-23-S	100	100	27.14	2520.00	-38.22	-725.34	0.000000	0.00	0.000
8-24-S	100	100	27.14	2520.00	-31.93	-725.34	0.000000	0.00	0.000
8-25-S	100	100	27.14	2520.00	-19.63	-725.34	0.000000	0.00	0.000
8-26-S	100	100	27.14	2520.00	-3.82	-725.34	0.000000	0.00	0.000
9-1-S	100	100	27.14	2520.00	6.72	-725.34	0.000000	0.00	0.000
9-2-S	100	100	27.14	2520.00	9.22	-725.34	0.000000	0.00	0.000
9-3-S	100	100	27.14	2520.00	-13.63	-725.34	0.000000	0.00	0.000
9-4-S	100	100	27.14	2520.00	-81.39	-725.34	0.000000	0.00	0.000
9-5-S	100	100	27.14	2520.00	-105.51	-725.34	0.000000	0.00	0.000
9-6-S	100	100	27.14	2520.00	219.95	-725.34	0.000000	0.00	0.000
9-7-S	100	100	27.14	2520.00	220.10	-725.34	0.000000	0.00	0.000
9-8-S	100	100	27.14	2520.00	220.26	-725.34	0.000000	0.00	0.000
9-9-S	100	100	27.14	2520.00	207.06	-725.34	0.000000	0.00	0.000
9-10-S	100	100	27.14	2520.00	193.87	-725.34	0.000000	0.00	0.000
9-11-S	100	100	27.14	2520.00	123.46	-725.34	0.000000	0.00	0.000
9-12-S	100	100	27.14	2520.00	71.51	-725.34	0.000000	0.00	0.000
9-13-S	100	100	27.14	2520.00	79.88	-725.34	0.000000	0.00	0.000
9-14-S	100	100	27.14	2520.00	100.06	-725.34	0.000000	0.00	0.000
9-15-S	100	100	27.14	2520.00	121.31	-725.34	0.000000	0.00	0.000
9-16-S	100	100	27.14	2520.00	139.42	-725.34	0.000000	0.00	0.000
9-17-S	100	100	27.14	2520.00	157.65	-725.34	0.000000	0.00	0.000
9-18-S	100	100	22.62	2520.00	160.99	717.54	0.000000	0.00	0.000
9-19-S	100	100	22.62	2520.00	154.34	717.54	0.000000	0.00	0.000
9-20-S	100	100	22.62	2520.00	148.05	717.54	0.000000	0.00	0.000
9-21-S	100	100	27.14	2520.00	95.15	-725.34	0.000000	0.00	0.000
9-22-S	100	100	27.14	2520.00	46.23	-725.34	0.000000	0.00	0.000
9-23-S	100	100	27.14	2520.00	-47.79	-725.34	0.000000	0.00	0.000
9-24-S	100	100	27.14	2520.00	-39.30	-725.34	0.000000	0.00	0.000
9-25-S	100	100	27.14	2520.00	-25.54	-725.34	0.000000	0.00	0.000
9-26-S	100	100	27.14	2520.00	-9.26	-725.34	0.000000	0.00	0.000
10-1-S	100	100	31.67	2520.00	-4.72	-738.42	0.000000	0.00	0.000
10-2-S	100	100	31.67	2520.00	-2.49	-738.42	0.000000	0.00	0.000
10-3-S	100	100	31.67	2520.00	-1.67	-738.42	0.000000	0.00	0.000
10-4-S	100	100	31.67	2520.00	-3.70	-738.42	0.000000	0.00	0.000
10-5-S	100	100	31.67	2520.00	-7.55	-738.42	0.000000	0.00	0.000
10-6-S	100	100	31.67	2520.00	141.49	-738.42	0.000000	0.00	0.000
10-7-S	100	100	31.67	2520.00	153.18	-738.42	0.000000	0.00	0.000
10-8-S	100	100	31.67	2520.00	164.88	-738.42	0.000000	0.00	0.000
10-9-S	100	100	31.67	2520.00	160.82	-738.42	0.000000	0.00	0.000
10-10-S	100	100	31.67	2520.00	156.76	-738.42	0.000000	0.00	0.000
10-11-S	100	100	31.67	2520.00	150.09	-738.42	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
10-12-S	100	100	31.67	2520.00	143.42	-738.42	0.000000	0.00	0.000
10-13-S	100	100	31.67	2520.00	142.64	-738.42	0.000000	0.00	0.000
10-14-S	100	100	31.67	2520.00	141.85	-738.42	0.000000	0.00	0.000
10-15-S	100	100	31.67	2520.00	141.72	-738.42	0.000000	0.00	0.000
10-16-S	100	100	22.62	2520.00	143.12	722.73	0.000000	0.00	0.000
10-17-S	100	100	22.62	2520.00	144.51	722.73	0.000000	0.00	0.000
10-18-S	100	100	22.62	2520.00	138.56	722.73	0.000000	0.00	0.000
10-19-S	100	100	22.62	2520.00	127.70	722.73	0.000000	0.00	0.000
10-20-S	100	100	22.62	2520.00	116.85	722.73	0.000000	0.00	0.000
10-21-S	100	100	22.62	2520.00	95.63	722.73	0.000000	0.00	0.000
10-22-S	100	100	22.62	2520.00	73.26	722.73	0.000000	0.00	0.000
10-23-S	100	100	22.62	2520.00	50.85	722.73	0.000000	0.00	0.000
10-24-S	100	100	22.62	2520.00	28.28	722.73	0.000000	0.00	0.000
10-25-S	100	100	22.62	2520.00	13.09	722.73	0.000000	0.00	0.000
10-26-S	100	100	22.62	2520.00	3.75	722.73	0.000000	0.00	0.000
11-1-S	100	100	31.67	2520.00	6.48	-738.42	0.000000	0.00	0.000
11-2-S	100	100	31.67	2520.00	-8.40	-738.42	0.000000	0.00	0.000
11-3-S	100	100	31.67	2520.00	-13.23	-738.42	0.000000	0.00	0.000
11-4-S	100	100	31.67	2520.00	-77.58	-738.42	0.000000	0.00	0.000
11-5-S	100	100	31.67	2520.00	-98.14	-738.42	0.000000	0.00	0.000
11-6-S	100	100	31.67	2520.00	132.51	-738.42	0.000000	0.00	0.000
11-7-S	100	100	31.67	2520.00	148.92	-738.42	0.000000	0.00	0.000
11-8-S	100	100	31.67	2520.00	165.32	-738.42	0.000000	0.00	0.000
11-9-S	100	100	31.67	2520.00	162.91	-738.42	0.000000	0.00	0.000
11-10-S	100	100	31.67	2520.00	160.50	-738.42	0.000000	0.00	0.000
11-11-S	100	100	31.67	2520.00	98.75	-738.42	0.000000	0.00	0.000
11-12-S	100	100	31.67	2520.00	59.85	-738.42	0.000000	0.00	0.000
11-13-S	100	100	31.67	2520.00	69.79	-738.42	0.000000	0.00	0.000
11-14-S	100	100	31.67	2520.00	93.39	-738.42	0.000000	0.00	0.000
11-15-S	100	100	31.67	2520.00	118.39	-738.42	0.000000	0.00	0.000
11-16-S	100	100	31.67	2520.00	138.67	-738.42	0.000000	0.00	0.000
11-17-S	100	100	22.62	2520.00	158.95	722.73	0.000000	0.00	0.000
11-18-S	100	100	22.62	2520.00	163.12	722.73	0.000000	0.00	0.000
11-19-S	100	100	22.62	2520.00	156.56	722.73	0.000000	0.00	0.000
11-20-S	100	100	22.62	2520.00	149.99	722.73	0.000000	0.00	0.000
11-21-S	100	100	22.62	2520.00	95.44	722.73	0.000000	0.00	0.000
11-22-S	100	100	31.67	2520.00	41.24	-738.42	0.000000	0.00	0.000
11-23-S	100	100	31.67	2520.00	-37.29	-738.42	0.000000	0.00	0.000
11-24-S	100	100	31.67	2520.00	-31.09	-738.42	0.000000	0.00	0.000
11-25-S	100	100	31.67	2520.00	-19.74	-738.42	0.000000	0.00	0.000
11-26-S	100	100	31.67	2520.00	-3.63	-738.42	0.000000	0.00	0.000
12-1-S	100	100	31.67	2520.00	6.50	-738.42	0.000000	0.00	0.000
12-2-S	100	100	31.67	2520.00	-8.42	-738.42	0.000000	0.00	0.000
12-3-S	100	100	31.67	2520.00	-13.19	-738.42	0.000000	0.00	0.000
12-4-S	100	100	31.67	2520.00	-77.44	-738.42	0.000000	0.00	0.000
12-5-S	100	100	31.67	2520.00	-97.95	-738.42	0.000000	0.00	0.000
12-6-S	100	100	31.67	2520.00	103.08	-738.42	0.000000	0.00	0.000
12-7-S	100	100	31.67	2520.00	122.74	-738.42	0.000000	0.00	0.000
12-8-S	100	100	31.67	2520.00	142.39	-738.42	0.000000	0.00	0.000
12-9-S	100	100	31.67	2520.00	143.10	-738.42	0.000000	0.00	0.000
12-10-S	100	100	31.67	2520.00	143.84	-738.42	0.000000	0.00	0.000
12-11-S	100	100	31.67	2520.00	85.73	-738.42	0.000000	0.00	0.000
12-12-S	100	100	31.67	2520.00	52.49	-738.42	0.000000	0.00	0.000
12-13-S	100	100	31.67	2520.00	62.42	-738.42	0.000000	0.00	0.000
12-14-S	100	100	31.67	2520.00	86.19	-738.42	0.000000	0.00	0.000
12-15-S	100	100	31.67	2520.00	112.84	-738.42	0.000000	0.00	0.000
12-16-S	100	100	31.67	2520.00	134.40	-738.42	0.000000	0.00	0.000
12-17-S	100	100	22.62	2520.00	155.96	722.73	0.000000	0.00	0.000
12-18-S	100	100	22.62	2520.00	161.05	722.73	0.000000	0.00	0.000
12-19-S	100	100	22.62	2520.00	155.17	722.73	0.000000	0.00	0.000
12-20-S	100	100	22.62	2520.00	149.28	722.73	0.000000	0.00	0.000
12-21-S	100	100	22.62	2520.00	95.35	722.73	0.000000	0.00	0.000
12-22-S	100	100	31.67	2520.00	45.47	-738.42	0.000000	0.00	0.000
12-23-S	100	100	31.67	2520.00	-41.41	-738.42	0.000000	0.00	0.000
12-24-S	100	100	31.67	2520.00	-34.10	-738.42	0.000000	0.00	0.000
12-25-S	100	100	31.67	2520.00	-21.73	-738.42	0.000000	0.00	0.000
12-26-S	100	100	31.67	2520.00	-6.66	-738.42	0.000000	0.00	0.000
13-1-S	100	100	31.67	2520.00	-3.33	-738.42	0.000000	0.00	0.000
13-2-S	100	100	31.67	2520.00	-1.81	-738.42	0.000000	0.00	0.000
13-3-S	100	100	31.67	2520.00	1.90	-738.42	0.000000	0.00	0.000
13-4-S	100	100	31.67	2520.00	-2.21	-738.42	0.000000	0.00	0.000
13-5-S	100	100	31.67	2520.00	-4.84	-738.42	0.000000	0.00	0.000
13-6-S	100	100	31.67	2520.00	51.40	-738.42	0.000000	0.00	0.000
13-7-S	100	100	31.67	2520.00	74.07	-738.42	0.000000	0.00	0.000
13-8-S	100	100	31.67	2520.00	96.74	-738.42	0.000000	0.00	0.000
13-9-S	100	100	31.67	2520.00	102.62	-738.42	0.000000	0.00	0.000
13-10-S	100	100	31.67	2520.00	108.51	-738.42	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
13-11-S	100	100	31.67	2520.00	110.00	-738.42	0.000000	0.00	0.000
13-12-S	100	100	31.67	2520.00	111.48	-738.42	0.000000	0.00	0.000
13-13-S	100	100	31.67	2520.00	116.61	-738.42	0.000000	0.00	0.000
13-14-S	100	100	31.67	2520.00	121.74	-738.42	0.000000	0.00	0.000
13-15-S	100	100	31.67	2520.00	126.82	-738.42	0.000000	0.00	0.000
13-16-S	100	100	22.62	2520.00	131.77	722.73	0.000000	0.00	0.000
13-17-S	100	100	22.62	2520.00	136.72	722.73	0.000000	0.00	0.000
13-18-S	100	100	22.62	2520.00	133.29	722.73	0.000000	0.00	0.000
13-19-S	100	100	22.62	2520.00	124.29	722.73	0.000000	0.00	0.000
13-20-S	100	100	22.62	2520.00	115.28	722.73	0.000000	0.00	0.000
13-21-S	100	100	22.62	2520.00	94.89	722.73	0.000000	0.00	0.000
13-22-S	100	100	22.62	2520.00	73.23	722.73	0.000000	0.00	0.000
13-23-S	100	100	22.62	2520.00	51.37	722.73	0.000000	0.00	0.000
13-24-S	100	100	22.62	2520.00	28.71	722.73	0.000000	0.00	0.000
13-25-S	100	100	22.62	2520.00	13.42	722.73	0.000000	0.00	0.000
13-26-S	100	100	22.62	2520.00	3.03	722.73	0.000000	0.00	0.000
14-1-S	100	100	31.67	2520.00	-6.18	-738.42	0.000000	0.00	0.000
14-2-S	100	100	31.67	2520.00	12.23	-738.42	0.000000	0.00	0.000
14-3-S	100	100	31.67	2520.00	18.66	-738.42	0.000000	0.00	0.000
14-4-S	100	100	31.67	2520.00	-51.81	-738.42	0.000000	0.00	0.000
14-5-S	100	100	31.67	2520.00	-43.55	-738.42	0.000000	0.00	0.000
14-6-S	100	100	31.67	2520.00	67.06	-738.42	0.000000	0.00	0.000
14-7-S	100	100	31.67	2520.00	89.42	-738.42	0.000000	0.00	0.000
14-8-S	100	100	31.67	2520.00	111.79	-738.42	0.000000	0.00	0.000
14-9-S	100	100	31.67	2520.00	115.46	-738.42	0.000000	0.00	0.000
14-10-S	100	100	31.67	2520.00	119.14	-738.42	0.000000	0.00	0.000
14-11-S	100	100	31.67	2520.00	62.91	-738.42	0.000000	0.00	0.000
14-12-S	100	100	31.67	2520.00	40.98	-738.42	0.000000	0.00	0.000
14-13-S	100	100	31.67	2520.00	49.67	-738.42	0.000000	0.00	0.000
14-14-S	100	100	31.67	2520.00	71.65	-738.42	0.000000	0.00	0.000
14-15-S	100	100	31.67	2520.00	101.24	-738.42	0.000000	0.00	0.000
14-16-S	100	100	31.67	2520.00	124.75	-738.42	0.000000	0.00	0.000
14-17-S	100	100	22.62	2520.00	148.27	722.73	0.000000	0.00	0.000
14-18-S	100	100	22.62	2520.00	154.97	722.73	0.000000	0.00	0.000
14-19-S	100	100	22.62	2520.00	150.44	722.73	0.000000	0.00	0.000
14-20-S	100	100	22.62	2520.00	145.91	722.73	0.000000	0.00	0.000
14-21-S	100	100	22.62	2520.00	92.44	722.73	0.000000	0.00	0.000
14-22-S	100	100	31.67	2520.00	39.97	-738.42	0.000000	0.00	0.000
14-23-S	100	100	31.67	2520.00	-38.08	-738.42	0.000000	0.00	0.000
14-24-S	100	100	31.67	2520.00	-31.24	-738.42	0.000000	0.00	0.000
14-25-S	100	100	31.67	2520.00	-19.28	-738.42	0.000000	0.00	0.000
14-26-S	100	100	31.67	2520.00	-3.40	-738.42	0.000000	0.00	0.000
15-1-S	100	100	31.67	2520.00	8.60	-738.42	0.000000	0.00	0.000
15-2-S	100	100	31.67	2520.00	13.02	-738.42	0.000000	0.00	0.000
15-3-S	100	100	31.67	2520.00	18.65	-738.42	0.000000	0.00	0.000
15-4-S	100	100	31.67	2520.00	-71.63	-738.42	0.000000	0.00	0.000
15-5-S	100	100	31.67	2520.00	-77.69	-738.42	0.000000	0.00	0.000
15-6-S	100	100	31.67	2520.00	57.12	-738.42	0.000000	0.00	0.000
15-7-S	100	100	31.67	2520.00	79.99	-738.42	0.000000	0.00	0.000
15-8-S	100	100	31.67	2520.00	102.85	-738.42	0.000000	0.00	0.000
15-9-S	100	100	31.67	2520.00	107.16	-738.42	0.000000	0.00	0.000
15-10-S	100	100	31.67	2520.00	111.71	-738.42	0.000000	0.00	0.000
15-11-S	100	100	31.67	2520.00	56.88	-738.42	0.000000	0.00	0.000
15-12-S	100	100	31.67	2520.00	37.07	-738.42	0.000000	0.00	0.000
15-13-S	100	100	31.67	2520.00	45.38	-738.42	0.000000	0.00	0.000
15-14-S	100	100	31.67	2520.00	66.74	-738.42	0.000000	0.00	0.000
15-15-S	100	100	31.67	2520.00	96.88	-738.42	0.000000	0.00	0.000
15-16-S	100	100	31.67	2520.00	121.00	-738.42	0.000000	0.00	0.000
15-17-S	100	100	22.62	2520.00	145.10	722.73	0.000000	0.00	0.000
15-18-S	100	100	22.62	2520.00	152.34	722.73	0.000000	0.00	0.000
15-19-S	100	100	22.62	2520.00	148.30	722.73	0.000000	0.00	0.000
15-20-S	100	100	22.62	2520.00	144.26	722.73	0.000000	0.00	0.000
15-21-S	100	100	22.62	2520.00	91.28	722.73	0.000000	0.00	0.000
15-22-S	100	100	31.67	2520.00	41.26	-738.42	0.000000	0.00	0.000
15-23-S	100	100	31.67	2520.00	-40.82	-738.42	0.000000	0.00	0.000
15-24-S	100	100	31.67	2520.00	-33.21	-738.42	0.000000	0.00	0.000
15-25-S	100	100	31.67	2520.00	-20.38	-738.42	0.000000	0.00	0.000
15-26-S	100	100	31.67	2520.00	-4.63	-738.42	0.000000	0.00	0.000
16-1-S	100	100	31.67	2520.00	-4.42	-738.42	0.000000	0.00	0.000
16-2-S	100	100	31.67	2520.00	-2.51	-738.42	0.000000	0.00	0.000
16-3-S	100	100	31.67	2520.00	-1.90	-738.42	0.000000	0.00	0.000
16-4-S	100	100	31.67	2520.00	-2.71	-738.42	0.000000	0.00	0.000
16-5-S	100	100	31.67	2520.00	-5.56	-738.42	0.000000	0.00	0.000
16-6-S	100	100	31.67	2520.00	20.57	-738.42	0.000000	0.00	0.000
16-7-S	100	100	31.67	2520.00	44.93	-738.42	0.000000	0.00	0.000
16-8-S	100	100	31.67	2520.00	69.30	-738.42	0.000000	0.00	0.000
16-9-S	100	100	31.67	2520.00	77.24	-738.42	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
16-10-S	100	100	31.67	2520.00	85.19	-738.42	0.000000	0.00	0.000
16-11-S	100	100	31.67	2520.00	88.86	-738.42	0.000000	0.00	0.000
16-12-S	100	100	31.67	2520.00	92.53	-738.42	0.000000	0.00	0.000
16-13-S	100	100	31.67	2520.00	99.72	-738.42	0.000000	0.00	0.000
16-14-S	100	100	31.67	2520.00	106.92	-738.42	0.000000	0.00	0.000
16-15-S	100	100	31.67	2520.00	113.98	-738.42	0.000000	0.00	0.000
16-16-S	100	100	22.62	2520.00	120.76	722.73	0.000000	0.00	0.000
16-17-S	100	100	22.62	2520.00	127.53	722.73	0.000000	0.00	0.000
16-18-S	100	100	22.62	2520.00	125.70	722.73	0.000000	0.00	0.000
16-19-S	100	100	22.62	2520.00	118.15	722.73	0.000000	0.00	0.000
16-20-S	100	100	22.62	2520.00	110.60	722.73	0.000000	0.00	0.000
16-21-S	100	100	22.62	2520.00	91.28	722.73	0.000000	0.00	0.000
16-22-S	100	100	22.62	2520.00	70.65	722.73	0.000000	0.00	0.000
16-23-S	100	100	22.62	2520.00	49.76	722.73	0.000000	0.00	0.000
16-24-S	100	100	22.62	2520.00	27.83	722.73	0.000000	0.00	0.000
16-25-S	100	100	22.62	2520.00	13.00	722.73	0.000000	0.00	0.000
16-26-S	100	100	22.62	2520.00	2.92	722.73	0.000000	0.00	0.000
17-1-S	100	100	31.67	2520.00	-6.12	-743.88	0.000000	0.00	0.000
17-2-S	100	100	31.67	2520.00	12.23	-743.88	0.000000	0.00	0.000
17-3-S	100	100	31.67	2520.00	18.64	-743.88	0.000000	0.00	0.000
17-4-S	100	100	31.67	2520.00	-51.94	-743.88	0.000000	0.00	0.000
17-5-S	100	100	31.67	2520.00	-43.71	-743.88	0.000000	0.00	0.000
17-6-S	100	100	31.67	2520.00	48.17	-743.88	0.000000	0.00	0.000
17-7-S	100	100	31.67	2520.00	71.38	-743.88	0.000000	0.00	0.000
17-8-S	100	100	31.67	2520.00	94.60	-743.88	0.000000	0.00	0.000
17-9-S	100	100	31.67	2520.00	99.38	-743.88	0.000000	0.00	0.000
17-10-S	100	100	31.67	2520.00	104.35	-743.88	0.000000	0.00	0.000
17-11-S	100	100	31.67	2520.00	49.69	-743.88	0.000000	0.00	0.000
17-12-S	100	100	31.67	2520.00	-39.77	-743.88	0.000000	0.00	0.000
17-13-S	100	100	31.67	2520.00	41.57	-743.88	0.000000	0.00	0.000
17-14-S	100	100	31.67	2520.00	61.42	-743.88	0.000000	0.00	0.000
17-15-S	100	100	31.67	2520.00	92.43	-743.88	0.000000	0.00	0.000
17-16-S	100	100	31.67	2520.00	117.09	-743.88	0.000000	0.00	0.000
17-17-S	100	100	27.14	2520.00	141.76	735.98	0.000000	0.00	0.000
17-18-S	100	100	27.14	2520.00	149.51	735.98	0.000000	0.00	0.000
17-19-S	100	100	27.14	2520.00	145.95	735.98	0.000000	0.00	0.000
17-20-S	100	100	27.14	2520.00	142.41	735.98	0.000000	0.00	0.000
17-21-S	100	100	27.14	2520.00	89.70	735.98	0.000000	0.00	0.000
17-22-S	100	100	31.67	2520.00	39.22	-743.88	0.000000	0.00	0.000
17-23-S	100	100	31.67	2520.00	-40.13	-743.88	0.000000	0.00	0.000
17-24-S	100	100	31.67	2520.00	-32.52	-743.88	0.000000	0.00	0.000
17-25-S	100	100	31.67	2520.00	-19.64	-743.88	0.000000	0.00	0.000
17-26-S	100	100	31.67	2520.00	-3.86	-743.88	0.000000	0.00	0.000
18-1-S	100	100	31.67	2520.00	8.60	-738.42	0.000000	0.00	0.000
18-2-S	100	100	31.67	2520.00	13.01	-738.42	0.000000	0.00	0.000
18-3-S	100	100	31.67	2520.00	18.63	-738.42	0.000000	0.00	0.000
18-4-S	100	100	31.67	2520.00	-71.70	-738.42	0.000000	0.00	0.000
18-5-S	100	100	31.67	2520.00	-77.81	-738.42	0.000000	0.00	0.000
18-6-S	100	100	31.67	2520.00	48.17	-738.42	0.000000	0.00	0.000
18-7-S	100	100	31.67	2520.00	71.38	-738.42	0.000000	0.00	0.000
18-8-S	100	100	31.67	2520.00	94.60	-738.42	0.000000	0.00	0.000
18-9-S	100	100	31.67	2520.00	99.38	-738.42	0.000000	0.00	0.000
18-10-S	100	100	31.67	2520.00	104.35	-738.42	0.000000	0.00	0.000
18-11-S	100	100	31.67	2520.00	49.69	-738.42	0.000000	0.00	0.000
18-12-S	100	100	31.67	2520.00	-39.77	-738.42	0.000000	0.00	0.000
18-13-S	100	100	31.67	2520.00	41.57	-738.42	0.000000	0.00	0.000
18-14-S	100	100	31.67	2520.00	61.42	-738.42	0.000000	0.00	0.000
18-15-S	100	100	31.67	2520.00	92.43	-738.42	0.000000	0.00	0.000
18-16-S	100	100	31.67	2520.00	117.09	-738.42	0.000000	0.00	0.000
18-17-S	100	100	22.62	2520.00	141.76	722.73	0.000000	0.00	0.000
18-18-S	100	100	22.62	2520.00	149.51	722.73	0.000000	0.00	0.000
18-19-S	100	100	22.62	2520.00	145.95	722.73	0.000000	0.00	0.000
18-20-S	100	100	22.62	2520.00	142.41	722.73	0.000000	0.00	0.000
18-21-S	100	100	22.62	2520.00	89.70	722.73	0.000000	0.00	0.000
18-22-S	100	100	31.67	2520.00	39.22	-738.42	0.000000	0.00	0.000
18-23-S	100	100	31.67	2520.00	-40.13	-738.42	0.000000	0.00	0.000
18-24-S	100	100	31.67	2520.00	-32.52	-738.42	0.000000	0.00	0.000
18-25-S	100	100	31.67	2520.00	-19.64	-738.42	0.000000	0.00	0.000
18-26-S	100	100	31.67	2520.00	-3.86	-738.42	0.000000	0.00	0.000
19-1-S	100	100	31.67	2520.00	-4.43	-738.42	0.000000	0.00	0.000
19-2-S	100	100	31.67	2520.00	-2.52	-738.42	0.000000	0.00	0.000
19-3-S	100	100	31.67	2520.00	-1.91	-738.42	0.000000	0.00	0.000
19-4-S	100	100	31.67	2520.00	-2.71	-738.42	0.000000	0.00	0.000
19-5-S	100	100	31.67	2520.00	-5.57	-738.42	0.000000	0.00	0.000
19-6-S	100	100	31.67	2520.00	20.57	-738.42	0.000000	0.00	0.000
19-7-S	100	100	31.67	2520.00	44.93	-738.42	0.000000	0.00	0.000
19-8-S	100	100	31.67	2520.00	69.30	-738.42	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
19-9-S	100	100	31.67	2520.00	77.24	-738.42	0.000000	0.00	0.000
19-10-S	100	100	31.67	2520.00	85.19	-738.42	0.000000	0.00	0.000
19-11-S	100	100	31.67	2520.00	88.86	-738.42	0.000000	0.00	0.000
19-12-S	100	100	31.67	2520.00	92.53	-738.42	0.000000	0.00	0.000
19-13-S	100	100	31.67	2520.00	99.72	-738.42	0.000000	0.00	0.000
19-14-S	100	100	31.67	2520.00	106.92	-738.42	0.000000	0.00	0.000
19-15-S	100	100	31.67	2520.00	113.98	-738.42	0.000000	0.00	0.000
19-16-S	100	100	22.62	2520.00	120.76	722.73	0.000000	0.00	0.000
19-17-S	100	100	22.62	2520.00	127.53	722.73	0.000000	0.00	0.000
19-18-S	100	100	22.62	2520.00	125.70	722.73	0.000000	0.00	0.000
19-19-S	100	100	22.62	2520.00	118.15	722.73	0.000000	0.00	0.000
19-20-S	100	100	22.62	2520.00	110.60	722.73	0.000000	0.00	0.000
19-21-S	100	100	22.62	2520.00	91.28	722.73	0.000000	0.00	0.000
19-22-S	100	100	22.62	2520.00	70.65	722.73	0.000000	0.00	0.000
19-23-S	100	100	22.62	2520.00	49.76	722.73	0.000000	0.00	0.000
19-24-S	100	100	22.62	2520.00	27.83	722.73	0.000000	0.00	0.000
19-25-S	100	100	22.62	2520.00	13.00	722.73	0.000000	0.00	0.000
19-26-S	100	100	22.62	2520.00	2.92	722.73	0.000000	0.00	0.000
20-1-S	100	100	31.67	2520.00	-6.12	-738.42	0.000000	0.00	0.000
20-2-S	100	100	31.67	2520.00	12.23	-738.42	0.000000	0.00	0.000
20-3-S	100	100	31.67	2520.00	18.64	-738.42	0.000000	0.00	0.000
20-4-S	100	100	31.67	2520.00	-51.94	-738.42	0.000000	0.00	0.000
20-5-S	100	100	31.67	2520.00	-43.71	-738.42	0.000000	0.00	0.000
20-6-S	100	100	31.67	2520.00	57.12	-738.42	0.000000	0.00	0.000
20-7-S	100	100	31.67	2520.00	79.99	-738.42	0.000000	0.00	0.000
20-8-S	100	100	31.67	2520.00	102.85	-738.42	0.000000	0.00	0.000
20-9-S	100	100	31.67	2520.00	107.16	-738.42	0.000000	0.00	0.000
20-10-S	100	100	31.67	2520.00	111.71	-738.42	0.000000	0.00	0.000
20-11-S	100	100	31.67	2520.00	56.88	-738.42	0.000000	0.00	0.000
20-12-S	100	100	31.67	2520.00	37.07	-738.42	0.000000	0.00	0.000
20-13-S	100	100	31.67	2520.00	45.38	-738.42	0.000000	0.00	0.000
20-14-S	100	100	31.67	2520.00	66.74	-738.42	0.000000	0.00	0.000
20-15-S	100	100	31.67	2520.00	96.88	-738.42	0.000000	0.00	0.000
20-16-S	100	100	31.67	2520.00	121.00	-738.42	0.000000	0.00	0.000
20-17-S	100	100	22.62	2520.00	145.10	722.73	0.000000	0.00	0.000
20-18-S	100	100	22.62	2520.00	152.34	722.73	0.000000	0.00	0.000
20-19-S	100	100	22.62	2520.00	148.30	722.73	0.000000	0.00	0.000
20-20-S	100	100	22.62	2520.00	144.26	722.73	0.000000	0.00	0.000
20-21-S	100	100	22.62	2520.00	91.28	722.73	0.000000	0.00	0.000
20-22-S	100	100	31.67	2520.00	41.26	-738.42	0.000000	0.00	0.000
20-23-S	100	100	31.67	2520.00	-40.82	-738.42	0.000000	0.00	0.000
20-24-S	100	100	31.67	2520.00	-33.21	-738.42	0.000000	0.00	0.000
20-25-S	100	100	31.67	2520.00	-20.38	-738.42	0.000000	0.00	0.000
20-26-S	100	100	31.67	2520.00	-4.63	-738.42	0.000000	0.00	0.000
21-1-S	100	100	31.67	2520.00	8.60	-738.42	0.000000	0.00	0.000
21-2-S	100	100	31.67	2520.00	13.01	-738.42	0.000000	0.00	0.000
21-3-S	100	100	31.67	2520.00	18.63	-738.42	0.000000	0.00	0.000
21-4-S	100	100	31.67	2520.00	-71.70	-738.42	0.000000	0.00	0.000
21-5-S	100	100	31.67	2520.00	-77.80	-738.42	0.000000	0.00	0.000
21-6-S	100	100	31.67	2520.00	67.06	-738.42	0.000000	0.00	0.000
21-7-S	100	100	31.67	2520.00	89.42	-738.42	0.000000	0.00	0.000
21-8-S	100	100	31.67	2520.00	111.79	-738.42	0.000000	0.00	0.000
21-9-S	100	100	31.67	2520.00	115.46	-738.42	0.000000	0.00	0.000
21-10-S	100	100	31.67	2520.00	119.14	-738.42	0.000000	0.00	0.000
21-11-S	100	100	31.67	2520.00	62.91	-738.42	0.000000	0.00	0.000
21-12-S	100	100	31.67	2520.00	40.98	-738.42	0.000000	0.00	0.000
21-13-S	100	100	31.67	2520.00	49.67	-738.42	0.000000	0.00	0.000
21-14-S	100	100	31.67	2520.00	71.65	-738.42	0.000000	0.00	0.000
21-15-S	100	100	31.67	2520.00	101.24	-738.42	0.000000	0.00	0.000
21-16-S	100	100	31.67	2520.00	124.75	-738.42	0.000000	0.00	0.000
21-17-S	100	100	22.62	2520.00	148.27	722.73	0.000000	0.00	0.000
21-18-S	100	100	22.62	2520.00	154.97	722.73	0.000000	0.00	0.000
21-19-S	100	100	22.62	2520.00	150.44	722.73	0.000000	0.00	0.000
21-20-S	100	100	22.62	2520.00	145.91	722.73	0.000000	0.00	0.000
21-21-S	100	100	22.62	2520.00	92.44	722.73	0.000000	0.00	0.000
21-22-S	100	100	31.67	2520.00	39.97	-738.42	0.000000	0.00	0.000
21-23-S	100	100	31.67	2520.00	-38.08	-738.42	0.000000	0.00	0.000
21-24-S	100	100	31.67	2520.00	-31.24	-738.42	0.000000	0.00	0.000
21-25-S	100	100	31.67	2520.00	-19.28	-738.42	0.000000	0.00	0.000
21-26-S	100	100	31.67	2520.00	-3.40	-738.42	0.000000	0.00	0.000
22-1-S	100	100	31.67	2520.00	-4.43	-738.42	0.000000	0.00	0.000
22-2-S	100	100	31.67	2520.00	-2.52	-738.42	0.000000	0.00	0.000
22-3-S	100	100	31.67	2520.00	-1.91	-738.42	0.000000	0.00	0.000
22-4-S	100	100	31.67	2520.00	-2.72	-738.42	0.000000	0.00	0.000
22-5-S	100	100	31.67	2520.00	-5.58	-738.42	0.000000	0.00	0.000
22-6-S	100	100	31.67	2520.00	51.40	-738.42	0.000000	0.00	0.000
22-7-S	100	100	31.67	2520.00	74.07	-738.42	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
22-8-S	100	100	31.67	2520.00	96.74	-738.42	0.000000	0.00	0.000
22-9-S	100	100	31.67	2520.00	102.62	-738.42	0.000000	0.00	0.000
22-10-S	100	100	31.67	2520.00	108.51	-738.42	0.000000	0.00	0.000
22-11-S	100	100	31.67	2520.00	110.00	-738.42	0.000000	0.00	0.000
22-12-S	100	100	31.67	2520.00	111.48	-738.42	0.000000	0.00	0.000
22-13-S	100	100	31.67	2520.00	116.61	-738.42	0.000000	0.00	0.000
22-14-S	100	100	31.67	2520.00	121.74	-738.42	0.000000	0.00	0.000
22-15-S	100	100	31.67	2520.00	126.82	-738.42	0.000000	0.00	0.000
22-16-S	100	100	22.62	2520.00	131.77	722.73	0.000000	0.00	0.000
22-17-S	100	100	22.62	2520.00	136.72	722.73	0.000000	0.00	0.000
22-18-S	100	100	22.62	2520.00	133.29	722.73	0.000000	0.00	0.000
22-19-S	100	100	22.62	2520.00	124.29	722.73	0.000000	0.00	0.000
22-20-S	100	100	22.62	2520.00	115.28	722.73	0.000000	0.00	0.000
22-21-S	100	100	22.62	2520.00	94.89	722.73	0.000000	0.00	0.000
22-22-S	100	100	22.62	2520.00	73.23	722.73	0.000000	0.00	0.000
22-23-S	100	100	22.62	2520.00	51.37	722.73	0.000000	0.00	0.000
22-24-S	100	100	22.62	2520.00	28.71	722.73	0.000000	0.00	0.000
22-25-S	100	100	22.62	2520.00	13.42	722.73	0.000000	0.00	0.000
22-26-S	100	100	22.62	2520.00	3.03	722.73	0.000000	0.00	0.000
23-1-S	100	100	31.67	2520.00	-6.12	-738.42	0.000000	0.00	0.000
23-2-S	100	100	31.67	2520.00	12.22	-738.42	0.000000	0.00	0.000
23-3-S	100	100	31.67	2520.00	18.62	-738.42	0.000000	0.00	0.000
23-4-S	100	100	31.67	2520.00	-52.01	-738.42	0.000000	0.00	0.000
23-5-S	100	100	31.67	2520.00	-43.79	-738.42	0.000000	0.00	0.000
23-6-S	100	100	31.67	2520.00	103.08	-738.42	0.000000	0.00	0.000
23-7-S	100	100	31.67	2520.00	122.74	-738.42	0.000000	0.00	0.000
23-8-S	100	100	31.67	2520.00	142.39	-738.42	0.000000	0.00	0.000
23-9-S	100	100	31.67	2520.00	143.10	-738.42	0.000000	0.00	0.000
23-10-S	100	100	31.67	2520.00	143.84	-738.42	0.000000	0.00	0.000
23-11-S	100	100	31.67	2520.00	85.73	-738.42	0.000000	0.00	0.000
23-12-S	100	100	31.67	2520.00	52.49	-738.42	0.000000	0.00	0.000
23-13-S	100	100	31.67	2520.00	62.42	-738.42	0.000000	0.00	0.000
23-14-S	100	100	31.67	2520.00	86.19	-738.42	0.000000	0.00	0.000
23-15-S	100	100	31.67	2520.00	112.84	-738.42	0.000000	0.00	0.000
23-16-S	100	100	31.67	2520.00	134.40	-738.42	0.000000	0.00	0.000
23-17-S	100	100	22.62	2520.00	155.96	722.73	0.000000	0.00	0.000
23-18-S	100	100	22.62	2520.00	161.05	722.73	0.000000	0.00	0.000
23-19-S	100	100	22.62	2520.00	155.17	722.73	0.000000	0.00	0.000
23-20-S	100	100	22.62	2520.00	149.28	722.73	0.000000	0.00	0.000
23-21-S	100	100	22.62	2520.00	95.35	722.73	0.000000	0.00	0.000
23-22-S	100	100	31.67	2520.00	45.47	-738.42	0.000000	0.00	0.000
23-23-S	100	100	31.67	2520.00	-41.41	-738.42	0.000000	0.00	0.000
23-24-S	100	100	31.67	2520.00	-34.10	-738.42	0.000000	0.00	0.000
23-25-S	100	100	31.67	2520.00	-21.73	-738.42	0.000000	0.00	0.000
23-26-S	100	100	31.67	2520.00	-6.66	-738.42	0.000000	0.00	0.000
24-1-S	100	100	31.67	2520.00	8.59	-738.42	0.000000	0.00	0.000
24-2-S	100	100	31.67	2520.00	12.98	-738.42	0.000000	0.00	0.000
24-3-S	100	100	31.67	2520.00	18.60	-738.42	0.000000	0.00	0.000
24-4-S	100	100	31.67	2520.00	-71.91	-738.42	0.000000	0.00	0.000
24-5-S	100	100	31.67	2520.00	-78.12	-738.42	0.000000	0.00	0.000
24-6-S	100	100	31.67	2520.00	132.51	-738.42	0.000000	0.00	0.000
24-7-S	100	100	31.67	2520.00	148.92	-738.42	0.000000	0.00	0.000
24-8-S	100	100	31.67	2520.00	165.32	-738.42	0.000000	0.00	0.000
24-9-S	100	100	31.67	2520.00	162.91	-738.42	0.000000	0.00	0.000
24-10-S	100	100	31.67	2520.00	160.50	-738.42	0.000000	0.00	0.000
24-11-S	100	100	31.67	2520.00	98.75	-738.42	0.000000	0.00	0.000
24-12-S	100	100	31.67	2520.00	59.85	-738.42	0.000000	0.00	0.000
24-13-S	100	100	31.67	2520.00	69.79	-738.42	0.000000	0.00	0.000
24-14-S	100	100	31.67	2520.00	93.39	-738.42	0.000000	0.00	0.000
24-15-S	100	100	31.67	2520.00	118.39	-738.42	0.000000	0.00	0.000
24-16-S	100	100	31.67	2520.00	138.67	-738.42	0.000000	0.00	0.000
24-17-S	100	100	22.62	2520.00	158.95	722.73	0.000000	0.00	0.000
24-18-S	100	100	22.62	2520.00	163.12	722.73	0.000000	0.00	0.000
24-19-S	100	100	22.62	2520.00	156.56	722.73	0.000000	0.00	0.000
24-20-S	100	100	22.62	2520.00	149.99	722.73	0.000000	0.00	0.000
24-21-S	100	100	22.62	2520.00	95.44	722.73	0.000000	0.00	0.000
24-22-S	100	100	31.67	2520.00	41.24	-738.42	0.000000	0.00	0.000
24-23-S	100	100	31.67	2520.00	-37.29	-738.42	0.000000	0.00	0.000
24-24-S	100	100	31.67	2520.00	-31.09	-738.42	0.000000	0.00	0.000
24-25-S	100	100	31.67	2520.00	-19.74	-738.42	0.000000	0.00	0.000
24-26-S	100	100	31.67	2520.00	-3.63	-738.42	0.000000	0.00	0.000
25-1-S	100	100	31.67	2520.00	-5.81	-738.42	0.000000	0.00	0.000
25-2-S	100	100	31.67	2520.00	-3.25	-738.42	0.000000	0.00	0.000
25-3-S	100	100	31.67	2520.00	-2.02	-738.42	0.000000	0.00	0.000
25-4-S	100	100	31.67	2520.00	-4.24	-738.42	0.000000	0.00	0.000
25-5-S	100	100	31.67	2520.00	-8.31	-738.42	0.000000	0.00	0.000
25-6-S	100	100	31.67	2520.00	141.49	-738.42	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
25-7-S	100	100	31.67	2520.00	153.18	-738.42	0.000000	0.00	0.000
25-8-S	100	100	31.67	2520.00	164.88	-738.42	0.000000	0.00	0.000
25-9-S	100	100	31.67	2520.00	160.82	-738.42	0.000000	0.00	0.000
25-10-S	100	100	31.67	2520.00	156.76	-738.42	0.000000	0.00	0.000
25-11-S	100	100	31.67	2520.00	150.09	-738.42	0.000000	0.00	0.000
25-12-S	100	100	31.67	2520.00	143.42	-738.42	0.000000	0.00	0.000
25-13-S	100	100	31.67	2520.00	142.64	-738.42	0.000000	0.00	0.000
25-14-S	100	100	31.67	2520.00	141.85	-738.42	0.000000	0.00	0.000
25-15-S	100	100	31.67	2520.00	141.72	-738.42	0.000000	0.00	0.000
25-16-S	100	100	22.62	2520.00	143.12	722.73	0.000000	0.00	0.000
25-17-S	100	100	22.62	2520.00	144.51	722.73	0.000000	0.00	0.000
25-18-S	100	100	22.62	2520.00	138.56	722.73	0.000000	0.00	0.000
25-19-S	100	100	22.62	2520.00	127.70	722.73	0.000000	0.00	0.000
25-20-S	100	100	22.62	2520.00	116.85	722.73	0.000000	0.00	0.000
25-21-S	100	100	22.62	2520.00	95.63	722.73	0.000000	0.00	0.000
25-22-S	100	100	22.62	2520.00	73.26	722.73	0.000000	0.00	0.000
25-23-S	100	100	22.62	2520.00	50.85	722.73	0.000000	0.00	0.000
25-24-S	100	100	22.62	2520.00	28.28	722.73	0.000000	0.00	0.000
25-25-S	100	100	22.62	2520.00	13.09	722.73	0.000000	0.00	0.000
25-26-S	100	100	22.62	2520.00	3.75	722.73	0.000000	0.00	0.000
26-1-S	100	100	27.14	2520.00	6.76	-725.34	0.000000	0.00	0.000
26-2-S	100	100	27.14	2520.00	9.22	-725.34	0.000000	0.00	0.000
26-3-S	100	100	27.14	2520.00	-13.64	-725.34	0.000000	0.00	0.000
26-4-S	100	100	27.14	2520.00	-81.53	-725.34	0.000000	0.00	0.000
26-5-S	100	100	27.14	2520.00	-105.73	-725.34	0.000000	0.00	0.000
26-6-S	100	100	27.14	2520.00	219.95	-725.34	0.000000	0.00	0.000
26-7-S	100	100	27.14	2520.00	220.10	-725.34	0.000000	0.00	0.000
26-8-S	100	100	27.14	2520.00	220.26	-725.34	0.000000	0.00	0.000
26-9-S	100	100	27.14	2520.00	207.06	-725.34	0.000000	0.00	0.000
26-10-S	100	100	27.14	2520.00	193.87	-725.34	0.000000	0.00	0.000
26-11-S	100	100	27.14	2520.00	123.46	-725.34	0.000000	0.00	0.000
26-12-S	100	100	27.14	2520.00	71.51	-725.34	0.000000	0.00	0.000
26-13-S	100	100	27.14	2520.00	79.88	-725.34	0.000000	0.00	0.000
26-14-S	100	100	27.14	2520.00	100.06	-725.34	0.000000	0.00	0.000
26-15-S	100	100	27.14	2520.00	121.31	-725.34	0.000000	0.00	0.000
26-16-S	100	100	27.14	2520.00	139.42	-725.34	0.000000	0.00	0.000
26-17-S	100	100	27.14	2520.00	157.65	-725.34	0.000000	0.00	0.000
26-18-S	100	100	22.62	2520.00	160.99	717.54	0.000000	0.00	0.000
26-19-S	100	100	22.62	2520.00	154.34	717.54	0.000000	0.00	0.000
26-20-S	100	100	22.62	2520.00	148.05	717.54	0.000000	0.00	0.000
26-21-S	100	100	27.14	2520.00	95.15	-725.34	0.000000	0.00	0.000
26-22-S	100	100	27.14	2520.00	46.23	-725.34	0.000000	0.00	0.000
26-23-S	100	100	27.14	2520.00	-47.79	-725.34	0.000000	0.00	0.000
26-24-S	100	100	27.14	2520.00	-39.30	-725.34	0.000000	0.00	0.000
26-25-S	100	100	27.14	2520.00	-25.54	-725.34	0.000000	0.00	0.000
26-26-S	100	100	27.14	2520.00	-9.26	-725.34	0.000000	0.00	0.000
27-1-S	100	100	27.14	2520.00	-7.38	-725.34	0.000000	0.00	0.000
27-2-S	100	100	27.14	2520.00	-11.49	-725.34	0.000000	0.00	0.000
27-3-S	100	100	27.14	2520.00	-15.30	-725.34	0.000000	0.00	0.000
27-4-S	100	100	27.14	2520.00	-68.60	-725.34	0.000000	0.00	0.000
27-5-S	100	100	27.14	2520.00	-86.98	-725.34	0.000000	0.00	0.000
27-6-S	100	100	27.14	2520.00	259.41	-725.34	0.000000	0.00	0.000
27-7-S	100	100	27.14	2520.00	247.78	-725.34	0.000000	0.00	0.000
27-8-S	100	100	27.14	2520.00	236.17	-725.34	0.000000	0.00	0.000
27-9-S	100	100	27.14	2520.00	215.33	-725.34	0.000000	0.00	0.000
27-10-S	100	100	27.14	2520.00	194.52	-725.34	0.000000	0.00	0.000
27-11-S	100	100	27.14	2520.00	121.36	-725.34	0.000000	0.00	0.000
27-12-S	100	100	27.14	2520.00	64.55	-725.34	0.000000	0.00	0.000
27-13-S	100	100	27.14	2520.00	72.49	-725.34	0.000000	0.00	0.000
27-14-S	100	100	27.14	2520.00	92.63	-725.34	0.000000	0.00	0.000
27-15-S	100	100	27.14	2520.00	114.20	-725.34	0.000000	0.00	0.000
27-16-S	100	100	27.14	2520.00	134.47	-725.34	0.000000	0.00	0.000
27-17-S	100	100	27.14	2520.00	154.93	-725.34	0.000000	0.00	0.000
27-18-S	100	100	27.14	2520.00	158.25	-725.34	0.000000	0.00	0.000
27-19-S	100	100	22.62	2520.00	150.40	717.54	0.000000	0.00	0.000
27-20-S	100	100	27.14	2520.00	142.53	-725.34	0.000000	0.00	0.000
27-21-S	100	100	27.14	2520.00	87.73	-725.34	0.000000	0.00	0.000
27-22-S	100	100	27.14	2520.00	34.21	-725.34	0.000000	0.00	0.000
27-23-S	100	100	27.14	2520.00	-38.22	-725.34	0.000000	0.00	0.000
27-24-S	100	100	27.14	2520.00	-31.93	-725.34	0.000000	0.00	0.000
27-25-S	100	100	27.14	2520.00	-19.63	-725.34	0.000000	0.00	0.000
27-26-S	100	100	27.14	2520.00	-3.82	-725.34	0.000000	0.00	0.000

Pali in c.a.

Apertura limite fessure $w_{lim}=0.300$ mm

Ip	Is	Af	Aeff	Mpf	M	N	ε	Sm	wm
		[cmq]	[cmq]	[kNm]	[kNm]	[kN]	[%]	[mm]	[mm]
1	1	26.61	495.62	327.32	-362.05	732.50	0.000000	0.00	0.00
2	1	26.61	468.96	339.29	-362.05	920.43	0.000000	0.00	0.00
3	1	19.01	443.96	351.26	-362.05	1108.36	0.000000	0.00	0.00

10.1.8 Elenco ferri

Simbologia adottata

n°	Indice del ferro
nf	numero ferri
D	diametro ferro espresso in [mm]
L	Lunghezza ferro espresso in [m]
Pferro	Peso ferro espresso in [kN]

Paramento

n°	Tipo	nf	D [mm]	L [m]	Pr [kN]	P _{gf} [kN]	V _{cls} [mc]
1	Diritto inferiore	5	24.00	6.84	0.2381	1.1907	
2	Diritto superiore	5	24.00	2.96	0.1031	0.5153	
3	Diritto superiore	5	24.00	4.29	0.1494	0.7469	
4	Diritto superiore	5	24.00	6.87	0.2393	1.1966	
5	Ripartitore	70	12.00	1.00	0.0087	0.6095	
6	Gancio	116	12.00	0.44	0.0038	0.4394	
Totale al metro						4.6983	3.86
Totale						93.9657	77.29

Piastra fondazione

n°	Tipo	nf	D [mm]	L [m]	Pr [kN]	P _{gf} [kN]	V _{cls} [mc]
1	Diritto superiore Orizzontale [M]	32	24.00	4.70	0.1637	5.2379	
2	Diritto superiore Orizzontale [M]	32	24.00	10.00	0.3483	11.1445	
3	Diritto superiore Orizzontale [M]	32	24.00	10.00	0.3483	11.1445	
4	Diritto inferiore Orizzontale [M]	32	24.00	4.70	0.1637	5.2379	
5	Diritto inferiore Orizzontale [M]	32	24.00	10.00	0.3483	11.1445	
6	Diritto inferiore Orizzontale [M]	32	24.00	10.00	0.3483	11.1445	
7	Diritto inferiore Verticale [M]	101	24.00	8.82	0.3071	31.0205	
8	Diritto superiore Verticale [M]	101	24.00	8.82	0.3071	31.0205	
9	Sagomato superiore Verticale	26	24.00	3.41	0.1187	3.0871	
10	Sagomato superiore Verticale	56	24.00	3.91	0.1361	7.6244	
11	Sagomato superiore Verticale	2	24.00	3.91	0.1361	0.2723	
12	Sagomato superiore Verticale	4	24.00	3.91	0.1361	0.5446	
13	Diritto superiore Verticale	35	24.00	8.82	0.3071	10.7497	
14	Sagomato superiore Verticale	20	24.00	3.91	0.1361	2.7230	
15	Sagomato superiore Verticale	36	24.00	3.91	0.1361	4.9014	
16	Sagomato superiore Verticale	18	24.00	3.91	0.1361	2.4507	
17	Sagomato superiore Verticale	24	24.00	3.72	0.1295	3.1088	
18	Sagomato superiore Verticale	2	24.00	3.91	0.1361	0.2723	
19	Sagomato superiore Verticale	8	24.00	3.91	0.1361	1.0892	
20	Sagomato superiore Verticale	2	24.00	3.91	0.1361	0.2723	
Totale						154.1903	139.98

Pali

Pali in c.a. (singolo palo della fila)

Simbologia adottata

n°	Indice della fila
nf	numero ferri
D	diametro ferro espresso in [mm]
L	Lunghezza ferro espresso in [m]
Pferro	Peso ferro espresso in [kN]
V _{cls}	Volume calcestruzzo/malta espresso in [mc]

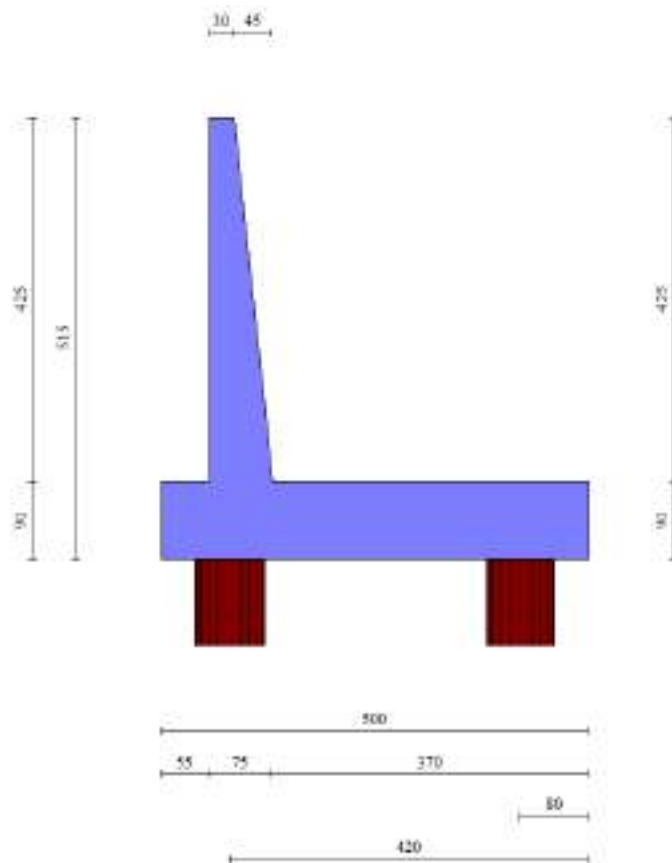
n°	Tipo ferro	nf	D [mm]	L [m]	Pferro [kN]	V _{cls} [mc]
1	Ferri longitudinali	40	22.00	40.66	1.1899	
	Staffe/Spirale	1	12.00	912.46	7.9445	20.11
Totale (7 pali)					388.7752	140.74
2	Ferri longitudinali	40	22.00	40.66	1.1899	
	Staffe/Spirale	1	12.00	912.46	7.9445	20.11

RELAZIONE DI CALCOLO

n°	Tipo ferro	nf	D [mm]	L [m]	P _{ferro} [kN]	V _{cis} [mc]
	Totale (7 pali)				388.7752	140.74
3	Ferri longitudinali	40	22.00	40.66	1.1899	
	Staffe/Spirale	1	12.00	912.46	7.9445	20.11
	Totale (7 pali)				388.7752	140.74

10.2 SEZIONE 2: PARAMENTO H=4.25 M

Si riportano i dati di input per la sezione in oggetto:



10.2.1 Dati

Materiali

Simbologia adottata

n°	Indice materiale
Descr	Descrizione del materiale
<u>Calcestruzzo armato</u>	
C	Classe di resistenza del cls
A	Classe di resistenza dell'acciaio
γ	Peso specifico, espresso in [kN/mc]
R_{ck}	Resistenza caratteristica a compressione, espressa in [kPa]
E	Modulo elastico, espresso in [kPa]
ν	Coeff. di Poisson
n	Coeff. di omogenizzazione acciaio/cls
ntc	Coeff. di omogenizzazione cls teso/compresso

Calcestruzzo armato

RELAZIONE DI CALCOLO

n°	Descr	C	A	γ	R_{ck}	E	v	n	ntc
				[kN/mc]	[kPa]	[kPa]			
1	C32/40	C32/40	B450C	24.5170	40000	33642648	0.30	15.00	0.50

Acciai

Descr	f_{yk}	f_{uk}
	[kPa]	[kPa]
B450C	450000	540000

Tipologie pali

Simbologia adottata

n°	Indice tipologia palo
Descr	Descrizione tipologia palo
P	Contributo portanza palo (laterale e/o punta)
T	Tecnologia costruttiva (trivellato, infisso o elica continua)
V	Vincolo palo-fondazione: Cerniera o Incastro (libero o impedito di ruotare in testa)
Imat	Indice materiale che lo costituisce
BD	usa metodo di Bustamante-Doix
PN	Portanza nota
Pp, PI	Portanza di punta e laterale caratteristica, espressa in [kN]

n°	Descr	P	T	V	Imat	BD	PN	Pp	PI
1	Tipologia palo	Laterale + Punta	Trivellato	Incastro	1	NO	NO	--	--

Geometria profilo terreno a monte del muro

Simbologia adottata

(Sistema di riferimento con origine in testa al muro, ascissa X positiva verso monte, ordinata Y positiva verso l'alto)

n°	numero ordine del punto
X	ascissa del punto espressa in [m]
Y	ordinata del punto espressa in [m]
A	inclinazione del tratto espressa in [°]

n°	X	Y	A
	[m]	[m]	[°]
1	0.00	0.00	0.000
2	30.00	0.00	0.000

Inclinazione terreno a valle del muro rispetto all'orizzontale 0.000 [°]

Geometria muro

Geometria paramento e fondazione

Lunghezza muro	20.00	[m]
<u>Paramento</u>		
Materiale	C32/40	
Altezza paramento	4.25	[m]
Altezza paramento libero	4.10	[m]
Spessore in sommità	0.30	[m]
Spessore all'attacco con la fondazione	0.75	[m]
Inclinazione paramento esterno	0.00	[°]
Inclinazione paramento interno	6.00	[°]
<u>Fondazione</u>		
Materiale	C32/40	
Lunghezza mensola di valle	0.55	[m]
Lunghezza mensola di monte	3.70	[m]
Lunghezza totale	5.00	[m]

Inclinazione piano di posa	0.00	[°]
Spessore	0.90	[m]
Spessore magrone	0.00	[m]

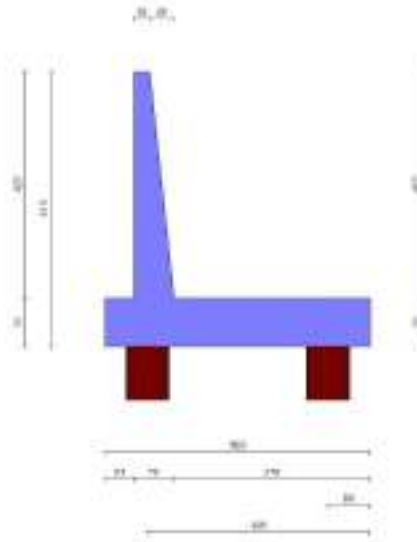


Fig. 1 - Sezione quotata del muro

Descrizione pali di fondazione

Simbologia adottata

n°	numero d'ordine della fila
X	ascissa della fila misurata dallo spigolo di monte della fondazione espressa in [m]
I	interasse tra i pali, espressa in [m]
f	franco laterale (distanza minima dal bordo laterale), espressa in [m]
Np	Numero di pali della fila
D	diametro dei pali della fila espresso in [cm]
L	lunghezza dei pali della fila espressa in [m]
α	inclinazione dei pali della fila rispetto alla verticale espressa in [°]
ALL	allineamento dei pali della fila rispetto al baricentro della fondazione (CENTRATI o SFALSATI)

n°	Tipologia	X [m]	I [m]	f [m]	Np	D [cm]	L [m]	α [°]	ALL
1	Tipologia palo	0.80	3.00	0.00	7	80.00	35.00	0.00	Centrati
2	Tipologia palo	4.20	3.00	0.00	7	80.00	35.00	0.00	Centrati

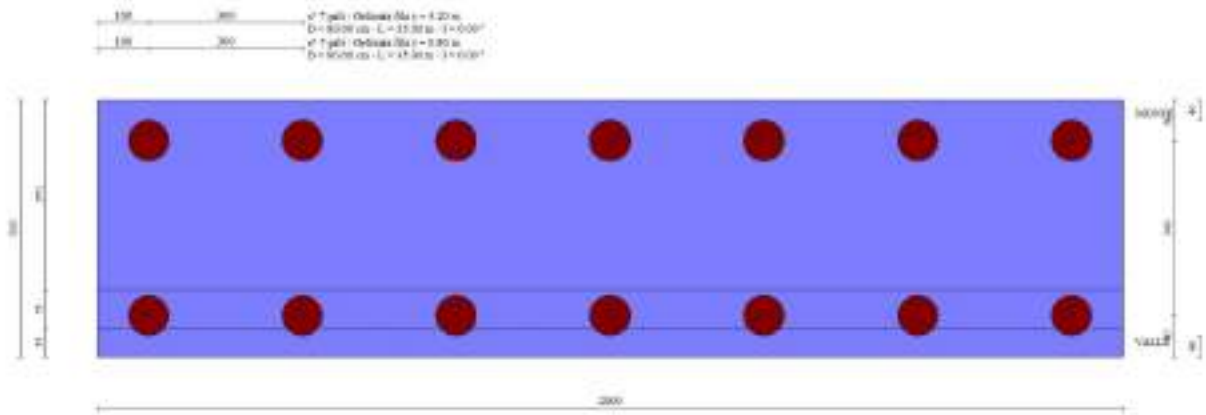


Fig. 2 - Pianta pali

Descrizione terreni

Parametri di resistenza

Simbologia adottata

n°	Indice del terreno
Descr	Descrizione terreno
γ	Peso di volume del terreno espresso in [kN/mc]
γ_s	Peso di volume saturo del terreno espresso in [kN/mc]
ϕ	Angolo d'attrito interno espresso in [°]
δ	Angolo d'attrito terra-muro espresso in [°]
c	Coesione espressa in [kPa]
c_a	Adesione terra-muro espressa in [kPa]
Per calcolo portanza con il metodo di Bustamante-Doix	
Cesp	Coeff. di espansione laterale (solo per il metodo di Bustamante-Doix)
τ_l	Tensione tangenziale limite, espressa in [kPa]

n°	Descr	γ [kN/mc]	γ_{sat} [kN/mc]	ϕ [°]	δ [°]	c [kPa]	c_a [kPa]	Cesp	τ_l [kPa]	
1	RILEVATO	19.0000	19.0000	35.000	23.330	0	0	1.000	0	0 (CAR)
				37.000	24.667	0	0			0 (MIN)
				38.000	25.333	0	0			0 (MED)
2	Qa	18.0000	18.0000	24.000	16.000	30	15	1.000	0	0 (CAR)
				24.000	16.000	30	15			0 (MIN)
				27.000	18.000	32	16			0 (MED)
3	Qc (a)	18.0000	18.0000	40.000	26.670	0	0	1.000	0	0 (CAR)
				40.000	26.667	0	0			0 (MIN)
				45.000	30.000	0	0			0 (MED)

Stratigrafia

Simbologia adottata

n°	Indice dello strato
H	Spessore dello strato espresso in [m]
α	Inclinazione espressa in [°]
Terreno	Terreno dello strato
Kwn, Kwt	Costante di Winkler normale e tangenziale alla superficie espressa in Kg/cm ² /cm
Per calcolo pali (solo se presenti)	
Kw	Costante di Winkler orizzontale espressa in Kg/cm ² /cm
Ks	Coefficiente di spinta
Cesp	Coefficiente di espansione laterale (per tutti i metodi tranne il metodo di Bustamante-Doix)

Per calcolo della spinta con coeff. di spinta definiti (usati solo se attiva l'opzione 'Usa coeff. di spinta da strato')
 $K_{st,sta}$, $K_{st,sis}$ Coeff. di spinta statico e sismico

n°	H	α	Terreno	Kwn	Kwt	Kw	Ks	Cesp	$K_{st,sta}$	$K_{st,sis}$
-----------	---	----------	---------	-----	-----	----	----	------	--------------	--------------

RELAZIONE DI CALCOLO

	[m]	[°]		[Kg/cm ²]	[Kg/cm ²]	[Kg/cm ²]				
1	5.00	0.000	RILEVATO	0.000	0.000	0.000	0.000	1.000	---	---
2	40.00	0.000	Qa	0.000	0.000	0.000	0.000	1.000	---	---

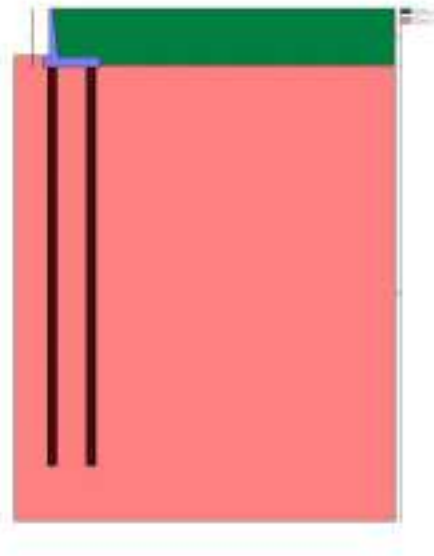


Fig. 3 - Stratigrafia

Condizioni di carico

Simbologia adottata

Carichi verticali positivi verso il basso.

Carichi orizzontali positivi verso sinistra.

Momento positivo senso antiorario.

X Ascissa del punto di applicazione del carico concentrato espressa in [m]

F_x Componente orizzontale del carico concentrato espressa in [kN]

F_y Componente verticale del carico concentrato espressa in [kN]

M Momento espresso in [kNm]

X_i Ascissa del punto iniziale del carico ripartito espressa in [m]

X_f Ascissa del punto finale del carico ripartito espressa in [m]

Q_i Intensità del carico per x=X_i espressa in [kN]

Q_f Intensità del carico per x=X_f espressa in [kN]

Condizione n° 1 (Condizione 1) - PERMANENTE NS

Carichi sul muro

n°	Tipo	Dest	X; Y [m]	F _x [kN]	F _y [kN]	M [kNm]	X _i [m]	X _f [m]	Q _i [kN]	Q _f [kN]
1	Concentrato	Paramento	0.00; 0.00	0.0000	3.0000	0.0000				



Fig. 4 - Carichi sul muro

Normativa

Normativa usata: **Norme Tecniche sulle Costruzioni 2008 (D.M. 14.01.2008) - Approccio 2 + Circolare C.S.LL.PP. 02/02/2009 n.617**

Coeff. parziali per le azioni o per l'effetto delle azioni

Carichi	Effetto		Combinazioni statiche				Combinazioni sismiche			
			HYD	UPL	EQU	A1	A2	EQU	A1	A2
Permanenti strutturali	Favorevoli	$\gamma_{G1,fav}$	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00
Permanenti strutturali	Sfavorevoli	$\gamma_{G1,sfav}$	1.30	1.10	1.10	1.30	1.00	1.00	1.00	1.00
Permanenti non strutturali	Favorevoli	$\gamma_{G2,fav}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Permanenti non strutturali	Sfavorevoli	$\gamma_{G2,sfav}$	1.50	1.50	1.50	1.50	1.30	1.00	1.00	1.00
Variabili	Favorevoli	$\gamma_{Q,fav}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variabili	Sfavorevoli	$\gamma_{Q,sfav}$	1.50	1.50	1.50	1.50	1.30	1.00	1.00	1.00
Variabili da traffico	Favorevoli	$\gamma_{QT,fav}$	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variabili da traffico	Sfavorevoli	$\gamma_{QT,sfav}$	1.50	1.50	1.35	1.35	1.15	1.00	1.00	1.00

Coeff. parziali per i parametri geotecnici del terreno

Parametro		Combinazioni statiche		Combinazioni sismiche	
		M1	M2	M1	M2
Tangente dell'angolo di attrito	$\gamma_{\tan(\phi)}$	1.00	1.25	1.00	1.25
Coesione efficace	γ_c	1.00	1.25	1.00	1.25
Resistenza non drenata	γ_{cu}	1.00	1.40	1.00	1.40
Peso nell'unità di volume	γ_γ	1.00	1.00	1.00	1.00

Coeff. parziali γ_R per le verifiche agli stati limite ultimi STR e GEO

Verifica	Combinazioni statiche			Combinazioni sismiche		
	R1	R2	R3	R1	R2	R3
Capacità portante	--	--	1.40	--	--	1.20
Scorrimento	--	--	1.10	--	--	1.00
Resistenza terreno a valle	--	--	1.40	--	--	1.20
Ribaltamento	--	--	1.00	--	--	1.00
Stabilità fronte di scavo	--	1.10	--	--	1.20	--

Carichi verticali. Coeff. parziali γ_R da applicare alle resistenze caratteristiche

Resistenza		Pali infissi			Pali trivellati			Pali ad elica continua		
		R1	R2	R3	R1	R2	R3	R1	R2	R3
Punta	γ_b	--	--	1.15	--	--	1.35	--	--	1.30
Laterale compressione	γ_s	--	--	1.15	--	--	1.15	--	--	1.15
Totale compressione	γ_t	--	--	1.15	--	--	1.30	--	--	1.25
Laterale trazione	γ_{st}	--	--	1.25	--	--	1.25	--	--	1.25

Carichi trasversali. Coeff. parziali γ_R da applicare alle resistenze caratteristiche

		R1	R2	R3
Trasversale	γ_t	--	--	1.30

Coefficienti di riduzione ζ per la determinazione della resistenza caratteristica dei pali

Numero di verticali indagate 1

$\zeta_3=1.70$ $\zeta_4=1.70$

Dati sismici

Comune	Vizzini
Provincia	Catania
Regione	Sicilia
Latitudine	37.161987
Longitudine	14.750763
Indice punti di interpolazione	49415 - 49637 - 49638 - 49416
Vita nominale	50 anni
Classe d'uso	IV
Tipo costruzione	Normali affollamenti
Vita di riferimento	100 anni

RELAZIONE DI CALCOLO

	Simbolo	U.M.		SLU	SLE
Accelerazione al suolo	a_g	[m/s ²]		3.645	1.028
Accelerazione al suolo	a_g/g	[%]		0.372	0.105
Massimo fattore amplificazione spettro orizzontale	F0			2.345	2.340
Periodo inizio tratto spettro a velocità costante	Tc*			0.468	0.297
Tipo di sottosuolo - Coefficiente stratigrafico	Ss		B	1.051	1.200
Categoria topografica - Coefficiente amplificazione topografica	St		T1	1.000	

Stato limite ...	Coeff. di riduzione β_m	kh [%]	kv [%]
Ultimo	1.000	39.050	19.525
Esercizio	1.000	12.574	6.287

Nel calcolo non è stato portato in conto il sisma verticale
Forma diagramma incremento sismico **Rettangolare**

10.2.2 Opzioni di calcolo

Spinta

Metodo di calcolo della spinta	Mononobe-Okabe
Tipo di spinta	Spinta a riposo
Terreno a bassa permeabilità	SI
Superficie di spinta limitata	NO

Stabilità globale

Metodo di calcolo della stabilità globale	Bishop
---	--------

Altro

Partecipazione spinta passiva terreno antistante	0.00
Partecipazione resistenza passiva dente di fondazione	50.00
Componente verticale della spinta nel calcolo delle sollecitazioni	NO
Considera terreno sulla fondazione di valle	SI
Considera spinta e peso acqua fondazione di valle	NO

Spostamenti

Modello a blocchi	
Non è stato richiesto il calcolo degli spostamenti	
Spostamento limite	5.00 [cm]

Opzioni calcolo pali

Portanza verticale

Metodo di calcolo della portanza alla punta	Meyerhof
Metodo di calcolo della portanza alla laterale	Integrazione delle tensioni tangenziali ($k_s \sigma_v \tan(\delta) + c_a$)
Correzione angolo di attrito in funzione del tipo di palo (infilso/trivellato)	Non attiva
Andamento pressione verticale nel calcolo della portanza alla punta σ_v con la profondità	Pressione geostatica
Andamento pressione verticale nel calcolo della portanza laterale	Pressione geostatica

Portanza trasversale

Costante di Winkler: costante pari a 1.00 [Kg/cm²/cm]

Criterio rottura palo-terreno	
- Spostamento limite	Non attivo
- Pressione limite	Pressione passiva con moltiplicatore M=3.00
- Palo infinitamente elastico	Non attivo

Cedimenti

Metodo di calcolo	Metodo agli elementi finiti
Spostamento limite alla punta	1.00 [cm]
Spostamento limite laterale	0.50 [cm]

Specifiche per le verifiche nelle combinazioni allo Stato Limite Ultimo (SLU)

	SLU	Eccezionale
Coefficiente di sicurezza calcestruzzo a compressione	1.50	1.00
Coefficiente di sicurezza acciaio	1.15	1.00
Fattore di riduzione da resistenza cubica a cilindrica	0.83	0.83
Fattore di riduzione per carichi di lungo periodo	0.85	0.85
Coefficiente di sicurezza per la sezione	1.00	1.00

Specifiche per le verifiche nelle combinazioni allo Stato Limite di Esercizio (SLE)

Paramento e fondazione muro

Verifiche strutturali nelle combinazioni SLD eseguite. Struttura in classe d'uso III o IV

Condizioni ambientali Aggressive
Armatura ad aderenza migliorata SI

Verifica a fessurazione

Sensibilità armatura Poco sensibile
Metodo di calcolo aperture delle fessure Circ. Min. 252 (15/10/96) - NTC 2008 I Formulazione
Calcolo momento fessurazione Apertura
Resistenza a trazione per Flessione
Valori limite aperture delle fessure:
w₁=0.20
w₂=0.30
w₃=0.40

Verifica delle tensioni

Valori limite delle tensioni nei materiali:

Combinazione	Calcestruzzo	Acciaio
Rara	0.60 f _{ck}	0.80 f _{yk}
Frequente	1.00 f _{ck}	1.00 f _{yk}
Quasi permanente	0.45 f _{ck}	1.00 f _{yk}

10.2.3 Risultati per inviluppo

Spinta e forze

Simbologia adottata

Ic	Indice della combinazione
A	Tipo azione
I	Inclinazione della spinta, espressa in [°]
V	Valore dell'azione, espressa in [kN]
Cx, Cy	Componente in direzione X ed Y dell'azione, espressa in [kN]
Px, Py	Coordinata X ed Y del punto di applicazione dell'azione, espressa in [m]

Ic	A	V [kN]	I [°]	Cx [kN]	Cy [kN]	Px [m]	Py [m]
1	Spinta statica	123.31	23.11	113.41	48.40	4.15	-3.09
	Peso/Inerzia muro			0.00	164.78/0.00	1.10	-3.95
	Peso/Inerzia terrapieno			0.00	316.81/0.00	2.18	-2.08
	Peso/Inerzia terreno sulla fondazione di valle			0.00	1.57	-0.57	-4.18
	Risultante forze sul muro			0.00	4.50	--	--
	Resistenza pali			-388.08			
2	Spinta statica	93.67	23.05	86.19	36.68	4.15	-3.06
	Incremento di spinta sismica		143.83	132.35	56.32	4.15	-2.58
	Peso/Inerzia muro			64.35	164.78/0.00	1.10	-3.95
	Peso/Inerzia terrapieno			123.71	316.81/0.00	2.18	-2.08
	Peso/Inerzia terreno sulla fondazione di valle			0.61	1.57	-0.57	-4.18
	Risultante forze sul muro			0.00	3.00	--	--
	Resistenza pali			-415.16			

Risultanti globali

Simbologia adottata

Cmb	Indice/Tipo combinazione
N	Componente normale al piano di posa, espressa in [kN]
T	Componente parallela al piano di posa, espressa in [kN]
Mr	Momento ribaltante, espresso in [kNm]
Ms	Momento stabilizzante, espresso in [kNm]
ecc	Eccentricità risultante, espressa in [m]

Ic	N [kN]	T [kN]	Mr [kNm]	Ms [kNm]	ecc [m]
1 - STR (A1-M1-R3)	536.06	113.41	233.92	1527.51	0.085
2 - STR (A1-M1-R3)	579.16	407.21	977.92	1749.11	1.167
3 - GEO (A2-M2-R2)	523.36	106.31	216.19	1466.57	0.109
4 - GEO (A2-M2-R2)	575.36	452.11	1077.92	1730.11	1.365
5 - SLER	523.06	86.09	179.76	1468.79	0.034
6 - SLEF	523.06	86.09	179.76	1468.79	0.034
7 - SLEQ	523.06	86.09	179.76	1468.79	0.034
8 - SLEQ	535.26	175.51	400.77	1529.72	0.389

Scarichi in testa ai pali

Simbologia adottata

Cmb	Indice/Tipo combinazione
Ip	Indice palo
N	Sforzo normale, espresso in [kN]
M	Momento, espresso in [kNm]
T	Taglio, espresso in [kN]

Cmb	Ip	N [kN]	M [kNm]	T [kN]
1 - STR (A1-M1-R3)	1	552.35	-298.88	-162.02
	2	979.24	-298.88	-162.02
2 - STR (A1-M1-R3) H	1	-329.76	-1003.13	-581.72
	2	1984.51	-1003.13	-581.72

Verifiche geotecniche

Quadro riassuntivo coeff. di sicurezza calcolati

Simbologia adottata

Cmb	Indice/Tipo combinazione
S	Sisma (H: componente orizzontale, V: componente verticale)
FS _{SCO}	Coeff. di sicurezza allo scorrimento
FS _{RIB}	Coeff. di sicurezza al ribaltamento
FS _{QLIM}	Coeff. di sicurezza a carico limite
FS _{STAB}	Coeff. di sicurezza a stabilità globale
FS _{HYD}	Coeff. di sicurezza a sifonamento
FS _{UPL}	Coeff. di sicurezza a sollevamento

Cmb	Sismica	FS _{SCO}	FS _{RIB}	FS _{QLIM}	FS _{STAB}	FS _{HYD}	FS _{UPL}
1 - STR (A1-M1-R3)		3.422					
2 - STR (A1-M1-R3)	H	1.020					
3 - GEO (A2-M2-R2)					5.475		
4 - GEO (A2-M2-R2)	H				2.082		

Verifiche portanza trasversale (scorrimento)

Simbologia adottata

Ic	Indice/Tipo combinazione
Ip	Indice palo
T	Carico orizzontale agente alla testa del palo, espresso in [kN]
Td	Portanza trasversale di progetto, espresso in [kN]
FSo	Fattore di sicurezza (Td/T)

Ic	Ip	T	Td	FSo
		[kN]	[kN]	
1 - STR (A1-M1-R3)	1	-162.02	554.40	3.422
	2	-162.02	554.40	3.422
2 - STR (A1-M1-R3) H	1	-581.72	593.09	1.020
	2	-581.72	593.09	1.020

Verifiche portanza verticale

Simbologia adottata

Ic	Indice/Tipo combinazione
Ip	Indice palo
N	Carico verticale agente alla testa del palo, espresso in [kN]
Pd	Portanza di progetto, espresso in [kN]
FSv	Fattore di sicurezza (Pd/N)

Ic	Ip	N	Pd	FSv
		[kN]	[kN]	
1 - STR (A1-M1-R3)	1	552.35	2160.98	3.912
	2	979.24	2160.98	2.207
2 - STR (A1-M1-R3) H	1	-329.76	2106.98	6.389
	2	1984.51	2160.98	1.089
2 - STR (A1-M1-R3) H	1	-329.76	2106.98	6.389
	2	1984.51	2160.98	1.089

Dettagli calcolo portanza verticale

Simbologia adottata

n°	Indice palo
Nc, Nq	Coeff. di capacità portante
N'c, N'q	Coeff. di capacità portante corretti
Zc	Massima profondità andamento pressione geostatica, espressa in [m]
Pp, Pl	Portanza di punta e laterale caratteristica, espresse in [kN]
A	Attrito negativo, espresso in [kN]
Wp	Peso palo, espresso in [kN]

n°	Nc	N'c	Nq	N'q	Zc	Pp	Pl	A	Wp
					[m]	[kN]	[kN]	[kN]	[kN]
1	23.942	55.231	13.199	16.533	--	6124.02 4400.40	1407.43 1319.47	0.00	431.33
2	23.942	55.231	13.199	16.533	--	6124.02 4400.40	1407.43 1319.47	0.00	431.33

Verifica stabilità globale muro + terreno

Simbologia adottata

Ic	Indice/Tipo combinazione
C	Centro superficie di scorrimento, espresso in [m]
R	Raggio, espresso in [m]
FS	Fattore di sicurezza

Ic	C	R	FS
	[m]	[m]	
3 - GEO (A2-M2-R2)	-2.00; 4.00	11.03	5.475
4 - GEO (A2-M2-R2) H	-2.00; 4.50	27.67	2.082

Dettagli strisce verifiche stabilità

Simbologia adottata

Le ascisse X sono considerate positive verso monte	
Le ordinate Y sono considerate positive verso l'alto	
Origine in testa al muro (spigolo contro terra)	
W	peso della striscia espresso in [kN]
Qy	carico sulla striscia espresso in [kN]
Qf	carico acqua sulla striscia espresso in [kN]
α	angolo fra la base della striscia e l'orizzontale espresso in [°] (positivo antiorario)
ϕ	angolo d'attrito del terreno lungo la base della striscia
c	coesione del terreno lungo la base della striscia espressa in [kPa]
b	larghezza della striscia espressa in [m]
u	pressione neutra lungo la base della striscia espressa in [kPa]
Tx; Ty	Resistenza al taglio fornita dai tiranti in direzione X ed Y espressa in [kPa]

n°	W [kN]	Qy [kN]	Qf [kN]	b [m]	α [°]	ϕ [°]	c [kPa]	u [kPa]	Tx; Ty [kN]
1	9.94	0.00	0.00	8.29 - 0.71	64.169	29.256	0	0.0	
2	27.27	0.00	0.00	0.71	56.890	29.256	0	0.0	
3	40.51	0.00	0.00	0.71	50.591	29.256	0	0.0	
4	51.19	0.00	0.00	0.71	45.061	29.256	0	0.0	
5	60.06	0.00	0.00	0.71	40.029	29.256	0	0.0	
6	68.11	0.00	0.00	0.71	35.347	29.256	0	0.0	
7	77.13	0.00	0.00	0.71	30.926	19.605	24	0.0	
8	82.16	0.00	0.00	0.71	26.701	19.605	24	0.0	
9	86.35	0.00	0.00	0.71	22.629	19.605	24	0.0	
10	89.79	0.00	0.00	0.71	18.674	19.605	24	0.0	
11	92.54	0.00	0.00	0.71	14.811	19.605	24	0.0	
12	105.71	3.90	0.00	0.71	11.015	19.605	24	0.0	
13	40.98	0.00	0.00	0.71	7.268	19.605	24	0.0	
14	37.87	0.00	0.00	0.71	3.552	19.605	24	0.0	
15	38.15	0.00	0.00	0.71	-0.149	19.605	24	0.0	
16	37.83	0.00	0.00	0.71	-3.850	19.605	24	0.0	
17	36.91	0.00	0.00	0.71	-7.568	19.605	24	0.0	
18	35.40	0.00	0.00	0.71	-11.318	19.605	24	0.0	
19	33.25	0.00	0.00	0.71	-15.119	19.605	24	0.0	
20	30.45	0.00	0.00	0.71	-18.989	19.605	24	0.0	
21	26.95	0.00	0.00	0.71	-22.951	19.605	24	0.0	
22	22.69	0.00	0.00	0.71	-27.035	19.605	24	0.0	
23	17.59	0.00	0.00	0.71	-31.273	19.605	24	0.0	
24	11.48	0.00	0.00	0.71	-35.713	19.605	24	0.0	
25	3.95	0.00	0.00	-9.50 - 0.71	-39.900	19.605	24	0.0	

Resistenza al taglio pali 737.33 [kN]

n°	W [kN]	Qy [kN]	Qf [kN]	b [m]	α [°]	ϕ [°]	c [kPa]	u [kPa]	Tx; Ty [kN]
1	142.04	0.00	0.00	25.31 - 2.14	72.965	29.256	0	0.0	
2	355.34	0.00	0.00	2.14	60.874	19.605	24	0.0	
3	483.91	0.00	0.00	2.14	52.645	19.605	24	0.0	
4	580.73	0.00	0.00	2.14	45.796	19.605	24	0.0	
5	657.71	0.00	0.00	2.14	39.721	19.605	24	0.0	
6	720.20	0.00	0.00	2.14	34.148	19.605	24	0.0	
7	771.17	0.00	0.00	2.14	28.926	19.605	24	0.0	
8	812.45	0.00	0.00	2.14	23.957	19.605	24	0.0	
9	845.25	0.00	0.00	2.14	19.174	19.605	24	0.0	
10	871.83	0.00	0.00	2.14	14.528	19.605	24	0.0	
11	899.37	0.00	0.00	2.14	9.978	19.605	24	0.0	
12	913.04	3.00	0.00	2.14	5.491	19.605	24	0.0	
13	739.46	0.00	0.00	2.14	1.038	19.605	24	0.0	
14	735.58	0.00	0.00	2.14	-3.409	19.605	24	0.0	
15	727.39	0.00	0.00	2.14	-7.876	19.605	24	0.0	
16	712.56	0.00	0.00	2.14	-12.393	19.605	24	0.0	
17	690.81	0.00	0.00	2.14	-16.990	19.605	24	0.0	
18	661.67	0.00	0.00	2.14	-21.703	19.605	24	0.0	
19	624.48	0.00	0.00	2.14	-26.578	19.605	24	0.0	

RELAZIONE DI CALCOLO

n°	W [kN]	Qy [kN]	Qf [kN]	b [m]	α [°]	ϕ [°]	c [kPa]	u [kPa]	Tx; Ty [kN]
20	578.21	0.00	0.00	2.14	-31.672	19.605	24	0.0	
21	521.39	0.00	0.00	2.14	-37.066	19.605	24	0.0	
22	451.65	0.00	0.00	2.14	-42.883	19.605	24	0.0	
23	365.01	0.00	0.00	2.14	-49.324	19.605	24	0.0	
24	253.58	0.00	0.00	2.14	-56.791	19.605	24	0.0	
25	95.32	0.00	0.00	-28.31 - 2.14	-66.269	19.605	24	0.0	

Resistenza al taglio pali 737.33 [kN]

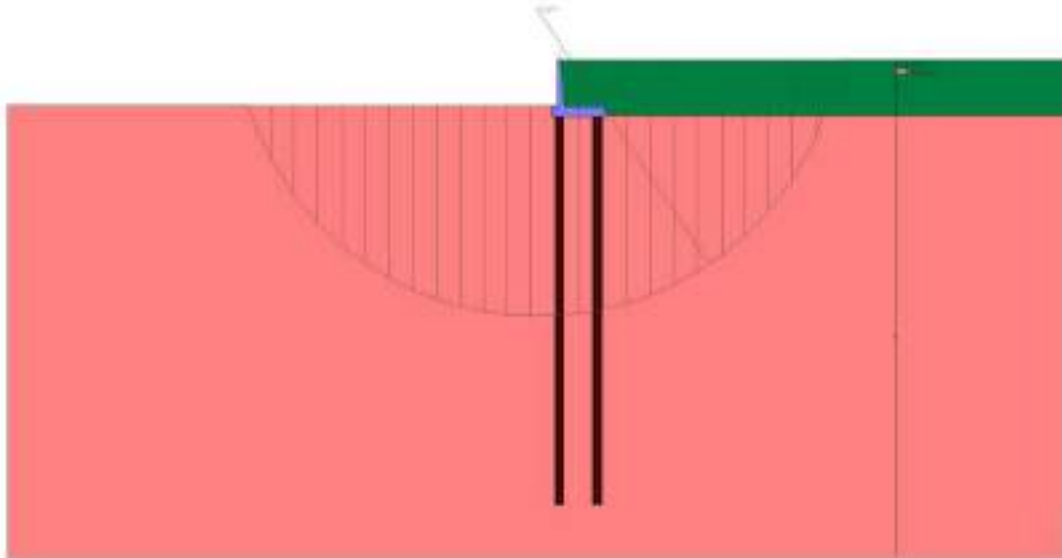


Fig. 5 - Stabilità fronte di scavo - Cerchio critico (Combinazione n° 4)

Sollecitazioni

Elementi calcolati a trave

Simbologia adottata

- n° Indice della sezione
- X Posizione della sezione, espresso in [m]
- N Sforzo normale, espresso in [kN]. Positivo se di compressione.
- T Taglio, espresso in [kN]. Positivo se diretto da monte verso valle
- M Momento, espresso in [kNm]. Positivo se tende le fibre contro terra (a monte)

La posizione delle sezioni di verifica fanno riferimento al sistema di riferimento globale la cui origine è nello spigolo in alto a destra del paramento.

Elementi calcolati a piastra

Simbologia adottata

- Mx, My Momenti flettenti, espresso in [kNm]
 - Mxy Momento torcente, espresso in [kNm]. Positivo se diretto da monte verso valle
 - Tx, Ty Tagli, espresso in [kN]. Positivo se tende le fibre contro terra (a monte)
- I momenti flettenti sono positivi se tendono le fibre inferiori (intradosso fondazione, paramento esterno)

Paramento

n°	X [m]	Nmin [kN]	Nmax [kN]	Tmin [kN]	Tmax [kN]	Mmin [kNm]	Mmax [kNm]
1	0.00	3.00	4.50	0.00	0.00	-0.67	-0.45
2	-0.10	3.74	5.24	0.60	3.06	-0.61	-0.28
3	-0.20	4.50	6.00	1.25	6.17	-0.46	0.19
4	-0.30	5.29	6.79	1.94	9.34	-0.23	0.99
5	-0.40	6.11	7.61	2.69	12.56	0.11	2.10
6	-0.49	6.95	8.45	3.47	15.85	0.49	3.54
7	-0.59	7.81	9.31	4.31	19.19	0.91	5.30
8	-0.69	8.71	10.21	5.19	22.58	1.42	7.41
9	-0.79	9.62	11.12	6.12	26.03	2.03	9.86
10	-0.89	10.56	12.06	7.10	29.54	2.73	12.66
11	-0.99	11.53	13.03	8.12	33.11	3.54	15.81

RELAZIONE DI CALCOLO

n°	X [m]	Nmin [kN]	Nmax [kN]	Tmin [kN]	Tmax [kN]	Mmin [kNm]	Mmax [kNm]
12	-1.09	12.52	14.02	9.19	36.73	4.46	19.33
13	-1.19	13.54	15.04	10.31	40.41	5.49	23.21
14	-1.28	14.58	16.08	11.47	44.15	6.64	27.46
15	-1.38	15.64	17.14	12.68	47.94	7.91	32.09
16	-1.48	16.74	18.24	13.94	51.79	9.31	37.10
17	-1.58	17.85	19.35	15.24	55.70	10.84	42.50
18	-1.68	19.00	20.50	16.59	59.66	12.51	48.30
19	-1.78	20.16	21.66	17.99	63.68	14.32	54.49
20	-1.88	21.36	22.86	19.44	67.76	16.28	61.09
21	-1.98	22.57	24.07	20.93	71.89	18.39	68.11
22	-2.08	23.82	25.32	22.47	76.08	20.65	75.54
23	-2.17	25.08	26.58	24.05	80.32	23.08	83.40
24	-2.27	26.38	27.88	25.68	84.63	25.67	91.68
25	-2.37	27.70	29.20	27.36	88.99	28.43	100.40
26	-2.47	29.04	30.54	29.09	93.40	31.37	109.56
27	-2.57	30.41	31.91	30.86	97.88	34.48	119.17
28	-2.67	31.80	33.30	32.68	102.41	37.78	129.23
29	-2.77	33.22	34.72	34.55	106.99	41.27	139.74
30	-2.87	34.67	36.17	36.46	111.64	44.96	150.72
31	-2.97	36.14	37.64	38.42	116.34	48.84	162.17
32	-3.06	37.63	39.13	40.43	121.09	52.93	174.10
33	-3.16	39.15	40.65	42.48	125.91	57.23	186.50
34	-3.26	40.70	42.20	44.58	130.78	61.74	199.39
35	-3.36	42.27	43.77	46.73	135.70	66.46	212.78
36	-3.46	43.86	45.36	48.92	140.68	71.41	226.66
37	-3.56	45.48	46.98	51.16	145.72	76.59	241.05
38	-3.66	47.13	48.63	53.45	150.82	82.00	255.94
39	-3.76	48.80	50.30	55.79	155.97	87.65	271.35
40	-3.85	50.50	52.00	58.17	161.18	93.54	287.28
41	-3.95	52.22	53.72	60.60	166.45	99.67	303.74
42	-4.05	53.96	55.46	63.07	171.77	106.06	320.73
43	-4.15	55.73	57.23	65.59	177.15	112.70	338.26
44	-4.25	57.53	59.03	68.16	182.59	119.61	356.33

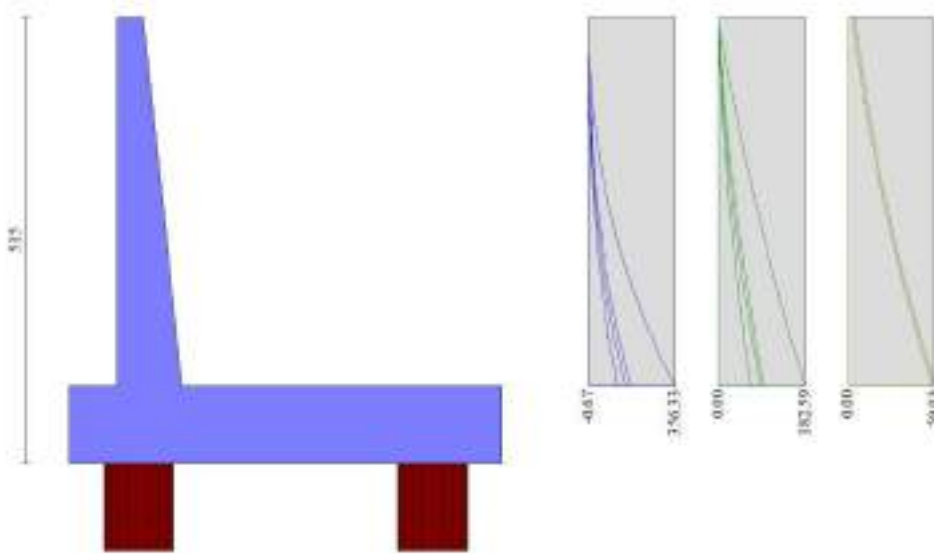


Fig. 6 - Paramento

Piastra fondazione

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]	
1	0.41	-0.08	-0.11	0.34	6.68	MAX
	0.40	-0.09	-0.12	0.33	6.47	MIN
2	0.25	0.10	-0.02	0.27	7.13	MAX
	0.24	0.10	-0.02	0.26	6.90	MIN
3	-1.13	-3.77	-0.04	0.00	7.13	MAX
	-1.17	-3.89	-0.04	0.00	6.90	MIN
4	-1.13	-3.78	-0.17	0.00	6.68	MAX
	-1.17	-3.91	-0.17	0.00	6.47	MIN

RELAZIONE DI CALCOLO

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]		
5	0.05	0.01	-0.01	0.13	7.07		MAX
	0.05	0.01	-0.01	0.13	6.84		MIN
6	-1.13	-3.77	-0.01	0.00	7.07		MAX
	-1.17	-3.89	-0.01	0.00	6.84		MIN
7	-1.13	-3.77	-0.01	0.00	7.07		MAX
	-1.17	-3.89	-0.01	0.00	6.84		MIN
8	-1.13	-3.77	-0.01	0.00	7.07		MAX
	-1.17	-3.89	-0.01	0.00	6.84		MIN
9	-1.13	-3.77	-0.01	0.00	7.07		MAX
	-1.17	-3.89	-0.01	0.00	6.84		MIN
10	0.00	0.00	0.00	0.03	7.04		MAX
	0.00	0.00	0.00	0.03	6.82		MIN
11	-1.13	-3.75	0.00	0.00	7.04		MAX
	-1.16	-3.87	0.00	0.00	6.82		MIN
12	-1.13	-3.75	0.00	0.00	7.04		MAX
	-1.16	-3.87	0.00	0.00	6.82		MIN
13	12.15	40.49	16.43	0.00	-111.29		MAX
	-213.91	-713.02	-4.60	0.00	-509.32		MIN
14	9.72	32.39	54.31	0.00	-159.66		MAX
	-204.35	-681.18	-13.70	0.00	-376.11		MIN
15	12.38	41.28	3.72	0.00	-107.39		MAX
	-213.94	-713.12	0.83	0.00	-509.22		MIN
16	9.22	30.72	4.58	0.00	-115.02		MAX
	-209.65	-698.83	-3.29	0.00	-487.27		MIN
17	0.00	0.00	0.00	0.01	7.03		MAX
	0.00	0.00	0.00	0.00	6.81		MIN
18	-1.12	-3.75	0.00	0.00	7.03		MAX
	-1.16	-3.87	0.00	0.00	6.81		MIN
19	-1.12	-3.75	0.00	0.00	7.03		MAX
	-1.16	-3.87	0.00	0.00	6.81		MIN
20	4.94	16.45	4.80	0.00	-125.43		MAX
	-205.83	-686.09	-2.62	0.00	-467.48		MIN
21	10.08	105.82	3.40	70.69	-82.73		MAX
	-44.38	-404.33	-1.26	-9.24	-465.70		MIN
22	11.03	108.63	8.38	82.47	-118.58		MAX
	2.80	-406.62	-6.37	-10.31	-430.70		MIN
23	19.83	104.04	6.52	41.44	-81.44		MAX
	-98.76	-412.86	-2.54	-4.54	-470.10		MIN
24	25.20	97.54	8.68	15.88	-87.84		MAX
	-121.65	-415.48	-5.91	2.50	-452.92		MIN
25	26.66	88.66	8.81	10.39	-96.77		MAX
	-128.62	-413.64	-4.03	3.77	-433.87		MIN
26	0.00	0.00	0.00	0.00	7.03		MAX
	0.00	0.00	0.00	0.00	6.81		MIN
27	-1.12	-3.75	0.00	0.00	7.03		MAX
	-1.16	-3.87	0.00	0.00	6.81		MIN
28	-1.12	-3.75	0.00	0.00	7.03		MAX
	-1.16	-3.87	0.00	0.00	6.81		MIN
29	1.00	3.33	4.34	0.00	-134.07		MAX
	-204.43	-681.44	-0.55	0.00	-460.03		MIN
30	25.63	80.49	7.71	10.40	-104.43		MAX
	-128.56	-413.50	-0.05	-2.12	-427.76		MIN
31	10.83	145.74	4.32	24.28	-26.47		MAX
	-10.16	-165.80	-12.15	-11.31	-391.67		MIN
32	4.03	146.19	0.47	14.20	-31.77		MAX
	-3.63	-164.11	-26.32	-9.51	-488.21		MIN
33	22.59	142.12	10.12	34.03	-28.46		MAX
	-27.52	-165.75	-10.75	-10.31	-405.60		MIN
34	33.33	134.63	14.22	29.09	-34.21		MAX
	-49.99	-172.44	-7.28	-4.66	-387.70		MIN
35	39.26	125.78	13.83	13.92	-39.99		MAX
	-64.76	-177.18	-2.96	1.01	-356.15		MIN
36	40.37	120.85	9.91	6.65	-45.62		MAX
	-65.03	-180.16	1.59	-5.14	-352.62		MIN
37	0.00	0.00	0.00	0.00	7.03		MAX
	0.00	0.00	0.00	0.00	6.81		MIN
38	-1.12	-3.75	0.00	0.00	7.03		MAX
	-1.16	-3.87	0.00	0.00	6.81		MIN
39	-1.12	-3.75	0.00	0.00	7.03		MAX
	-1.16	-3.87	0.00	0.00	6.81		MIN
40	-2.18	-7.26	3.72	0.00	-140.19		MAX
	-205.14	-683.78	0.56	0.00	-462.35		MIN
41	23.42	73.95	6.48	10.00	-110.10		MAX
	-125.22	-416.04	1.59	-3.08	-433.38		MIN
42	38.42	120.21	8.01	7.27	-50.60		MAX
	-54.13	-182.23	4.03	-11.53	-379.06		MIN
43	14.90	151.14	5.72	-10.67	36.96		MAX
	4.75	58.70	-17.90	-15.43	-346.40		MIN
44	-5.35	138.97	5.03	-11.45	61.72		MAX
	-5.84	47.11	-19.13	-23.16	-376.57		MIN
45	34.52	156.00	16.76	18.50	15.03		MAX
	16.56	71.16	-7.65	-15.05	-427.46		MIN
46	32.62	140.74	26.14	53.57	25.88		MAX
	8.40	31.45	5.07	-12.84	-326.43		MIN

RELAZIONE DI CALCOLO

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]	
47	44.92	124.82	19.89	33.72	13.65	MAX
	-21.28	4.14	0.47	-4.70	-236.33	MIN
48	47.65	122.18	10.74	3.05	9.78	MAX
	-20.99	-0.06	3.41	-23.83	-235.81	MIN
49	41.93	132.33	3.68	7.19	14.83	MAX
	8.62	17.75	-3.11	-41.14	-323.73	MIN
50	0.00	0.00	0.00	0.00	7.03	MAX
	0.00	0.00	0.00	0.00	6.81	MIN
51	-1.12	-3.75	0.00	0.00	7.03	MAX
	-1.16	-3.87	0.00	0.00	6.81	MIN
52	-1.12	-3.75	0.00	0.00	7.03	MAX
	-1.16	-3.87	0.00	0.00	6.81	MIN
53	-4.90	-16.35	3.31	0.00	-144.48	MAX
	-205.82	-686.06	-0.03	0.00	-464.50	MIN
54	21.18	67.77	6.06	9.11	-114.43	MAX
	-123.02	-417.81	0.17	-0.01	-437.97	MIN
55	36.22	118.25	8.82	6.82	-54.23	MAX
	-47.16	-183.11	0.85	0.49	-396.04	MIN
56	39.63	142.94	11.26	4.65	-3.19	MAX
	29.62	47.86	1.89	0.82	-435.30	MIN
57	35.02	184.84	-0.89	-21.46	92.98	MAX
	-23.19	76.41	-26.77	-153.24	-143.75	MIN
58	19.15	179.86	0.32	0.67	129.09	MAX
	5.23	87.81	-27.28	-165.40	-116.74	MIN
59	139.48	486.72	21.72	5.23	108.59	MAX
	10.97	203.10	5.94	-25.13	-869.44	MIN
60	37.15	132.89	41.07	163.97	77.20	MAX
	7.71	67.77	32.69	-19.87	-99.56	MIN
61	57.19	103.50	26.80	90.06	51.41	MAX
	7.14	82.37	14.70	-18.17	-88.96	MIN
62	60.50	99.22	8.63	11.04	48.93	MAX
	7.63	80.64	-4.08	-80.42	-90.50	MIN
63	41.54	121.11	-5.20	10.66	70.28	MAX
	17.63	63.62	-23.08	-158.03	-103.99	MIN
64	157.35	453.08	12.64	2.83	97.22	MAX
	33.70	192.82	2.98	0.76	-859.24	MIN
65	0.00	0.00	0.00	0.00	7.03	MAX
	0.00	0.00	0.00	0.00	6.81	MIN
66	-1.12	-3.75	0.00	0.00	7.03	MAX
	-1.16	-3.87	0.00	0.00	6.81	MIN
67	-1.12	-3.75	0.00	0.00	7.03	MAX
	-1.16	-3.87	0.00	0.00	6.81	MIN
68	-7.43	-24.77	2.91	0.00	-147.88	MAX
	-205.12	-683.75	-0.82	0.00	-460.88	MIN
69	19.40	60.89	5.66	7.81	-117.45	MAX
	-124.48	-416.89	-1.54	2.99	-431.89	MIN
70	35.60	111.22	9.62	12.89	-57.00	MAX
	-53.00	-184.33	-2.53	5.37	-377.85	MIN
71	40.19	126.70	18.81	43.26	9.71	MAX
	9.94	14.98	6.86	0.41	-323.36	MIN
72	42.71	118.55	31.50	159.98	66.52	MAX
	16.06	60.22	29.24	-6.98	-104.62	MIN
73	6.42	196.30	-22.57	205.84	102.65	MAX
	4.28	32.77	-158.90	-155.71	85.56	MIN
74	5.35	141.32	22.93	43.23	132.16	MAX
	-5.45	32.50	15.42	-49.65	113.26	MIN
75	116.54	227.20	18.21	-3.32	-220.97	MAX
	-195.66	-133.22	-5.55	-13.50	-1051.09	MIN
76	43.65	158.70	164.60	139.56	148.01	MAX
	15.79	46.86	58.84	-222.44	96.99	MIN
77	59.16	91.20	21.06	22.69	57.96	MAX
	17.35	46.96	8.17	-38.33	29.26	MIN
78	62.89	88.87	14.52	24.28	56.81	MAX
	18.18	46.56	6.09	-20.53	27.24	MIN
79	53.74	149.00	-22.26	201.89	136.46	MAX
	19.22	45.39	-142.85	-134.62	90.66	MIN
80	127.88	213.78	12.65	0.24	-212.86	MAX
	-169.18	-128.91	3.60	-0.45	-1021.21	MIN
81	53.33	147.41	150.35	134.75	135.25	MAX
	19.93	44.17	47.60	-203.50	88.11	MIN
82	0.00	0.00	0.00	0.00	7.03	MAX
	0.00	0.00	0.00	0.00	6.81	MIN
83	-1.12	-3.75	0.00	0.00	7.03	MAX
	-1.16	-3.87	0.00	0.00	6.81	MIN
84	-1.12	-3.75	0.00	0.00	7.03	MAX
	-1.16	-3.87	0.00	0.00	6.81	MIN
85	-9.58	-31.94	2.27	0.00	-150.29	MAX
	-204.04	-680.15	-0.31	0.00	-455.38	MIN
86	18.01	54.59	4.35	6.55	-119.75	MAX
	-127.07	-414.99	-0.76	2.30	-423.34	MIN
87	35.50	103.20	7.56	8.00	-58.70	MAX
	-62.99	-184.80	-0.72	4.90	-349.48	MIN
88	45.13	111.19	11.84	27.87	-0.50	MAX
	-18.62	-6.32	0.24	2.26	-234.96	MIN

RELAZIONE DI CALCOLO

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]	
89	59.68 9.92	93.51 73.99	16.63 10.69	83.64 -9.64	41.49 -92.04	MAX MIN
90	63.03 19.63	85.26 43.73	11.15 2.54	21.16 -28.08	51.89 24.22	MAX MIN
91	21.46 -43.05	144.70 2.43	6.32 -52.08	111.12 83.01	82.79 21.11	MAX MIN
92	-10.66 -47.44	51.15 3.78	5.74 -22.99	89.27 85.81	201.95 90.89	MAX MIN
93	-102.71 -125.05	-91.65 -407.66	17.45 14.52	-2.04 -32.05	-385.10 -579.96	MAX MIN
94	39.52 -8.25	148.38 12.49	74.22 23.38	-126.33 -145.27	120.37 53.52	MAX MIN
95	58.45 17.57	38.88 17.35	25.02 17.27	-60.03 -78.37	76.96 40.25	MAX MIN
96	61.65 18.87	37.94 17.27	8.52 -12.91	47.84 42.88	74.34 39.21	MAX MIN
97	38.82 4.09	140.95 12.09	2.38 -60.39	114.13 107.56	114.55 51.82	MAX MIN
98	-83.53 -122.61	-88.54 -391.21	9.09 2.75	-2.47 -7.41	-373.37 -571.00	MAX MIN
99	39.15 3.82	140.25 11.69	66.19 15.86	-119.34 -127.58	113.47 50.39	MAX MIN
100	61.30 19.56	36.41 16.51	19.52 9.89	-53.58 -62.34	71.83 36.39	MAX MIN
101	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	7.03 6.81	MAX MIN
102	-1.12 -1.16	-3.75 -3.87	0.00 0.00	0.00 0.00	7.03 6.81	MAX MIN
103	-1.12 -1.16	-3.75 -3.87	0.00 0.00	0.00 0.00	7.03 6.81	MAX MIN
104	-11.02 -204.29	-36.72 -680.98	1.48 0.89	0.00 0.00	-151.55 -455.67	MAX MIN
105	16.60 -127.15	50.57 -415.66	2.70 1.91	5.36 -0.84	-121.06 -423.58	MAX MIN
106	34.16 -62.94	100.09 -185.41	3.11 2.67	5.37 -6.80	-60.04 -349.65	MAX MIN
107	43.82 -18.49	109.01 -6.87	2.64 2.01	5.85 -26.92	-1.77 -235.11	MAX MIN
108	58.38 10.06	93.08 72.64	-0.74 -7.02	15.78 -82.97	40.41 -92.24	MAX MIN
109	61.70 19.71	85.00 43.08	4.72 1.46	31.10 -21.26	51.06 24.00	MAX MIN
110	59.92 19.58	36.30 16.28	1.46 -16.55	57.53 51.05	71.66 35.89	MAX MIN
111	16.91 -36.02	36.40 4.70	2.23 -40.69	167.72 31.61	4.31 -35.56	MAX MIN
112	57.33 -5.72	41.21 -4.14	4.93 -3.27	201.32 59.66	193.48 66.17	MAX MIN
113	-61.47 -69.50	-12.54 -101.68	11.71 10.48	-78.77 -96.50	-142.60 -321.94	MAX MIN
114	5.77 -12.77	34.18 4.85	60.67 18.44	-202.53 -313.05	41.61 -8.38	MAX MIN
115	54.67 29.60	19.70 2.77	13.06 11.58	-141.65 -182.94	78.12 34.88	MAX MIN
116	57.95 29.76	18.22 2.69	5.80 -4.93	119.71 7.37	75.05 33.94	MAX MIN
117	7.50 -0.97	33.93 4.64	-0.82 -50.11	244.88 70.16	41.94 -6.27	MAX MIN
118	-50.71 -69.22	-11.77 -102.39	5.99 1.88	-13.66 -41.61	-144.28 -328.08	MAX MIN
119	7.76 -1.16	33.65 4.58	54.02 12.87	-154.61 -273.62	41.11 -7.13	MAX MIN
120	56.70 30.53	18.03 2.62	9.61 6.46	-95.62 -153.98	73.38 32.56	MAX MIN
121	55.22 30.54	18.00 2.56	0.89 -7.62	139.85 48.33	73.25 32.24	MAX MIN
122	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	7.03 6.81	MAX MIN
123	-1.12 -1.16	-3.75 -3.87	0.00 0.00	0.00 0.00	7.03 6.81	MAX MIN
124	-1.12 -1.16	-3.75 -3.87	0.00 0.00	0.00 0.00	7.03 6.81	MAX MIN
125	-11.81 -205.83	-39.37 -686.10	1.29 0.99	0.00 0.00	-151.91 -461.62	MAX MIN
126	15.17 -124.64	48.71 -418.84	2.53 1.67	4.28 -1.80	-121.59 -432.48	MAX MIN
127	31.62 -52.78	101.88 -186.18	4.35 1.38	4.76 -11.79	-61.20 -378.24	MAX MIN
128	36.37 10.39	120.18 13.25	-4.01 -4.85	7.32 -42.26	5.81 -323.78	MAX MIN
129	43.18 12.18	117.17 56.21	-14.23 -25.45	12.61 -159.21	63.24 -105.22	MAX MIN
130	49.51 20.19	146.60 42.33	-31.35 -146.14	205.89 -134.80	134.53 85.71	MAX MIN

RELAZIONE DI CALCOLO

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]	
131	39.23	139.89	-4.23	121.97	112.90	MAX
	-0.11	11.01	-63.04	114.78	48.88	MIN
132	7.81	33.54	-5.30	258.51	40.70	MAX
	-5.08	4.41	-51.90	105.19	-8.10	MIN
133	0.00	0.00	0.00	0.00	7.03	MAX
	0.00	0.00	0.00	0.00	6.81	MIN
134	-1.12	-3.75	0.00	0.00	7.03	MAX
	-1.16	-3.87	0.00	0.00	6.81	MIN
135	-1.12	-3.75	0.00	0.00	7.03	MAX
	-1.16	-3.87	0.00	0.00	6.81	MIN
136	-12.44	-41.48	0.92	0.00	-152.03	MAX
	-206.84	-689.48	0.23	0.00	-465.24	MIN
137	14.13	47.12	1.78	3.23	-122.07	MAX
	-123.09	-420.84	0.44	0.67	-438.48	MIN
138	29.78	102.63	2.78	3.07	-61.74	MAX
	-46.58	-186.29	0.68	0.55	-396.33	MIN
139	35.27	132.18	3.73	2.70	-9.98	MAX
	23.57	44.71	0.92	0.42	-435.82	MIN
140	158.27	450.48	4.31	2.29	91.60	MAX
	28.02	186.37	1.08	0.30	-860.24	MIN
141	128.37	212.22	4.32	1.50	-217.06	MAX
	-174.88	-131.88	1.12	0.08	-1022.52	MIN
142	-89.37	-89.63	3.08	-0.56	-375.87	MAX
	-122.46	-391.89	0.81	-0.81	-572.06	MIN
143	-56.50	-12.03	1.98	-3.64	-145.84	MAX
	-69.12	-102.58	0.54	-12.00	-328.85	MIN
144	0.00	0.00	0.00	0.00	7.03	MAX
	0.00	0.00	0.00	0.00	6.81	MIN
145	-1.12	-3.75	0.00	0.00	7.03	MAX
	-1.16	-3.87	0.00	0.00	6.81	MIN
146	-1.12	-3.75	0.00	0.00	7.03	MAX
	-1.16	-3.87	0.00	0.00	6.81	MIN
147	-13.22	-44.05	0.90	0.00	-152.53	MAX
	-206.20	-687.32	-0.83	0.00	-462.03	MIN
148	13.62	44.44	1.99	3.10	-122.34	MAX
	-124.91	-419.83	-1.66	2.31	-432.86	MIN
149	29.94	98.32	4.33	12.85	-62.16	MAX
	-52.97	-186.97	-3.00	1.44	-378.58	MIN
150	34.53	117.50	12.12	43.07	4.73	MAX
	10.27	12.65	5.85	-1.93	-324.08	MIN
151	43.07	116.76	27.64	159.79	62.17	MAX
	10.20	54.50	23.03	-8.07	-105.49	MIN
152	47.26	146.38	148.41	134.94	134.29	MAX
	20.06	41.45	40.17	-202.97	84.83	MIN
153	39.07	139.80	64.70	-116.36	112.74	MAX
	-2.50	10.66	10.53	-123.49	48.29	MIN
154	7.65	33.52	53.00	-129.90	40.59	MAX
	-7.48	4.31	9.34	-265.98	-8.50	MIN
155	0.00	0.00	0.00	0.00	7.03	MAX
	0.00	0.00	0.00	0.00	6.81	MIN
156	-1.12	-3.75	0.00	0.00	7.03	MAX
	-1.16	-3.87	0.00	0.00	6.81	MIN
157	-1.12	-3.75	0.00	0.00	7.03	MAX
	-1.16	-3.87	0.00	0.00	6.81	MIN
158	-13.93	-46.42	0.61	0.00	-153.01	MAX
	-205.02	-683.40	-0.46	0.00	-456.48	MIN
159	13.43	41.80	1.29	2.03	-122.76	MAX
	-127.65	-417.62	-1.08	1.65	-424.33	MIN
160	30.78	92.86	3.04	7.77	-62.15	MAX
	-63.25	-186.98	-1.34	1.02	-350.30	MIN
161	40.15	103.59	6.03	27.67	-4.05	MAX
	-18.67	-8.09	-0.78	-0.47	-235.69	MIN
162	54.37	92.23	10.34	83.51	38.20	MAX
	9.91	69.22	9.29	-11.40	-92.79	MIN
163	57.29	84.55	4.65	21.33	49.17	MAX
	19.50	41.33	0.94	-28.49	23.50	MIN
164	55.26	36.12	18.31	-52.38	71.31	MAX
	19.30	15.59	5.23	-59.59	34.68	MIN
165	50.55	17.94	8.79	-75.16	73.02	MAX
	30.26	2.36	3.42	-147.93	31.40	MIN
166	0.00	0.00	0.00	0.00	7.03	MAX
	0.00	0.00	0.00	0.00	6.81	MIN
167	-1.12	-3.75	0.00	0.00	7.03	MAX
	-1.16	-3.87	0.00	0.00	6.81	MIN
168	-1.12	-3.75	0.00	0.00	7.03	MAX
	-1.16	-3.87	0.00	0.00	6.81	MIN
169	-14.20	-47.34	0.68	0.00	-153.03	MAX
	-205.11	-683.69	0.13	0.00	-456.56	MIN
170	13.10	40.91	1.50	1.10	-122.82	MAX
	-127.73	-417.86	0.17	-1.34	-424.41	MIN
171	30.40	92.08	1.99	1.73	-62.28	MAX
	-63.32	-187.18	-0.71	-7.18	-350.37	MIN
172	39.71	102.98	1.64	3.01	-4.24	MAX
	-18.73	-8.23	-2.86	-27.19	-235.76	MIN

RELAZIONE DI CALCOLO

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]	
173	53.86 9.85	92.14 68.82	-6.39 -8.28	13.67 -83.15	37.99 -92.85	MAX MIN
174	56.70 19.43	84.50 41.12	0.08 -0.97	30.11 -21.17	48.98 23.45	MAX MIN
175	54.63 19.22	36.10 15.50	-2.57 -17.57	59.32 51.98	71.28 34.55	MAX MIN
176	49.93 30.18	17.94 2.34	-1.73 -8.31	144.79 65.23	73.00 31.30	MAX MIN
177	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	7.03 6.81	MAX MIN
178	-1.12 -1.16	-3.75 -3.87	0.00 0.00	0.00 0.00	7.03 6.81	MAX MIN
179	-1.12 -1.16	-3.75 -3.87	0.00 0.00	0.00 0.00	7.03 6.81	MAX MIN
180	-14.06 -206.46	-46.87 -688.20	1.06 -0.10	0.00 0.00	-152.64 -462.28	MAX MIN
181	12.61 -125.14	41.72 -420.55	2.09 -0.43	0.60 -2.42	-122.55 -433.11	MAX MIN
182	28.79 -53.17	95.96 -187.54	3.66 -1.85	1.42 -12.27	-62.59 -378.81	MAX MIN
183	33.19 10.09	115.64 12.23	-4.96 -8.88	4.53 -42.61	4.16 -324.29	MAX MIN
184	42.90 8.73	116.48 53.30	-19.13 -26.61	10.35 -159.45	61.53 -105.69	MAX MIN
185	45.50 19.87	146.24 40.79	-36.25 -147.36	204.57 -134.80	134.13 84.27	MAX MIN
186	38.86 -4.38	139.75 10.40	-7.73 -63.93	123.08 115.89	112.63 47.88	MAX MIN
187	7.44 -9.37	33.50 4.23	-7.56 -52.50	262.67 119.28	40.52 -8.79	MAX MIN
188	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	7.03 6.81	MAX MIN
189	-1.12 -1.16	-3.75 -3.87	0.00 0.00	0.00 0.00	7.03 6.81	MAX MIN
190	-1.12 -1.16	-3.75 -3.87	0.00 0.00	0.00 0.00	7.03 6.81	MAX MIN
191	-13.93 -207.29	-46.44 -690.96	0.00 0.00	0.00 0.00	-152.34 -465.68	MAX MIN
192	12.38 -123.47	42.41 -422.06	0.00 0.00	0.00 0.00	-122.56 -438.91	MAX MIN
193	27.81 -46.90	98.57 -187.26	0.00 0.00	0.00 0.00	-62.56 -396.73	MAX MIN
194	35.00 21.43	129.02 43.99	0.00 0.00	0.00 0.00	-11.03 -436.18	MAX MIN
195	158.01 25.45	450.01 184.25	0.00 0.00	0.00 0.00	90.48 -860.57	MAX MIN
196	128.09 -177.78	211.98 -132.98	0.00 0.00	0.00 0.00	-218.10 -1022.80	MAX MIN
197	-92.47 -122.78	-90.07 -391.98	0.00 0.00	0.00 0.00	-376.60 -572.24	MAX MIN
198	-59.63 -69.44	-12.16 -102.61	0.00 0.00	0.00 0.00	-146.34 -328.97	MAX MIN
199	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	7.03 6.81	MAX MIN
200	-1.12 -1.16	-3.75 -3.87	0.00 0.00	0.00 0.00	7.03 6.81	MAX MIN
201	-1.12 -1.16	-3.75 -3.87	0.00 0.00	0.00 0.00	7.03 6.81	MAX MIN
202	-14.06 -206.46	-46.87 -688.20	0.10 -1.06	0.00 0.00	-152.64 -462.28	MAX MIN
203	12.61 -125.14	41.72 -420.55	0.43 -2.09	2.42 -0.60	-122.55 -433.11	MAX MIN
204	28.79 -53.17	95.96 -187.54	1.85 -3.66	12.27 -1.42	-62.59 -378.81	MAX MIN
205	33.19 10.09	115.64 12.23	8.88 4.96	42.61 -4.53	4.16 -324.29	MAX MIN
206	42.90 8.73	116.48 53.30	26.61 19.13	159.45 -10.35	61.53 -105.69	MAX MIN
207	45.50 19.87	146.24 40.79	147.36 36.25	134.80 -204.57	134.13 84.27	MAX MIN
208	38.86 -4.38	139.75 10.40	63.93 7.73	-115.89 -123.08	112.63 47.88	MAX MIN
209	7.44 -9.37	33.50 4.23	52.50 7.56	-119.28 -262.67	40.52 -8.79	MAX MIN
210	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	7.03 6.81	MAX MIN
211	-1.12 -1.16	-3.75 -3.87	0.00 0.00	0.00 0.00	7.03 6.81	MAX MIN
212	-1.12 -1.16	-3.75 -3.87	0.00 0.00	0.00 0.00	7.03 6.81	MAX MIN
213	-14.20 -205.11	-47.34 -683.69	-0.13 -0.68	0.00 0.00	-153.03 -456.56	MAX MIN
214	13.10 -127.73	40.91 -417.86	-0.17 -1.50	1.34 -1.10	-122.82 -424.41	MAX MIN

RELAZIONE DI CALCOLO

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]		
215	30.40	92.08	0.71	7.18	-62.28	MAX	
	-63.32	-187.18	-1.99	-1.73	-350.37	MIN	
216	39.71	102.98	2.86	27.19	-4.24	MAX	
	-18.73	-8.23	-1.64	-3.01	-235.76	MIN	
217	53.86	92.14	8.28	83.15	37.99	MAX	
	9.85	68.82	6.39	-13.67	-92.85	MIN	
218	56.70	84.50	0.97	21.17	48.98	MAX	
	19.43	41.12	-0.08	-30.11	23.45	MIN	
219	54.63	36.10	17.57	-51.98	71.28	MAX	
	19.22	15.50	2.57	-59.32	34.55	MIN	
220	49.93	17.94	8.31	-65.23	73.00	MAX	
	30.18	2.34	1.73	-144.79	31.30	MIN	
221	0.00	0.00	0.00	0.00	7.03	MAX	
	0.00	0.00	0.00	0.00	6.81	MIN	
222	-1.12	-3.75	0.00	0.00	7.03	MAX	
	-1.16	-3.87	0.00	0.00	6.81	MIN	
223	-1.12	-3.75	0.00	0.00	7.03	MAX	
	-1.16	-3.87	0.00	0.00	6.81	MIN	
224	-13.93	-46.42	0.46	0.00	-153.01	MAX	
	-205.02	-683.40	-0.61	0.00	-456.48	MIN	
225	13.43	41.80	1.08	-1.65	-122.76	MAX	
	-127.65	-417.62	-1.29	-2.03	-424.33	MIN	
226	30.78	92.86	1.34	-1.02	-62.15	MAX	
	-63.25	-186.98	-3.04	-7.77	-350.30	MIN	
227	40.15	103.59	0.78	0.47	-4.05	MAX	
	-18.67	-8.09	-6.03	-27.67	-235.69	MIN	
228	54.37	92.23	-9.29	11.40	38.20	MAX	
	9.91	69.22	-10.34	-83.51	-92.79	MIN	
229	57.29	84.55	-0.94	28.49	49.17	MAX	
	19.50	41.33	-4.65	-21.33	23.50	MIN	
230	55.26	36.12	-5.23	59.59	71.31	MAX	
	19.30	15.59	-18.31	52.38	34.68	MIN	
231	50.55	17.94	-3.42	147.93	73.02	MAX	
	30.26	2.36	-8.79	75.16	31.40	MIN	
232	0.00	0.00	0.00	0.00	7.03	MAX	
	0.00	0.00	0.00	0.00	6.81	MIN	
233	-1.12	-3.75	0.00	0.00	7.03	MAX	
	-1.16	-3.87	0.00	0.00	6.81	MIN	
234	-1.12	-3.75	0.00	0.00	7.03	MAX	
	-1.16	-3.87	0.00	0.00	6.81	MIN	
235	-13.22	-44.05	0.83	0.00	-152.53	MAX	
	-206.20	-687.32	-0.90	0.00	-462.03	MIN	
236	13.62	44.44	1.66	-2.31	-122.34	MAX	
	-124.91	-419.83	-1.99	-3.10	-432.86	MIN	
237	29.94	98.32	3.00	-1.44	-62.16	MAX	
	-52.97	-186.97	-4.33	-12.85	-378.58	MIN	
238	34.53	117.50	-5.85	1.93	4.73	MAX	
	10.27	12.65	-12.12	-43.07	-324.08	MIN	
239	43.07	116.76	-23.03	8.07	62.17	MAX	
	10.20	54.50	-27.64	-159.79	-105.49	MIN	
240	47.26	146.38	-40.17	202.97	134.29	MAX	
	20.06	41.45	-148.41	-134.94	84.83	MIN	
241	39.07	139.80	-10.53	123.49	112.74	MAX	
	-2.50	10.66	-64.70	116.36	48.29	MIN	
242	7.65	33.52	-9.34	265.98	40.59	MAX	
	-7.48	4.31	-53.00	129.90	-8.50	MIN	
243	0.00	0.00	0.00	0.00	7.03	MAX	
	0.00	0.00	0.00	0.00	6.81	MIN	
244	-1.12	-3.75	0.00	0.00	7.03	MAX	
	-1.16	-3.87	0.00	0.00	6.81	MIN	
245	-1.12	-3.75	0.00	0.00	7.03	MAX	
	-1.16	-3.87	0.00	0.00	6.81	MIN	
246	-12.44	-41.48	-0.23	0.00	-152.03	MAX	
	-206.84	-689.48	-0.92	0.00	-465.24	MIN	
247	14.13	47.12	-0.44	-0.67	-122.07	MAX	
	-123.09	-420.84	-1.78	-3.23	-438.48	MIN	
248	29.78	102.63	-0.68	-0.55	-61.74	MAX	
	-46.58	-186.29	-2.78	-3.07	-396.33	MIN	
249	35.27	132.18	-0.92	-0.42	-9.98	MAX	
	23.57	44.71	-3.73	-2.70	-435.82	MIN	
250	158.27	450.48	-1.08	-0.30	91.60	MAX	
	28.02	186.37	-4.31	-2.29	-860.24	MIN	
251	128.37	212.22	-1.12	-0.08	-217.06	MAX	
	-174.88	-131.88	-4.32	-1.50	-1022.52	MIN	
252	-89.37	-89.63	-0.81	0.81	-375.87	MAX	
	-122.46	-391.89	-3.08	0.56	-572.06	MIN	
253	-56.50	-12.03	-0.54	12.00	-145.84	MAX	
	-69.12	-102.58	-1.98	3.64	-328.85	MIN	
254	0.00	0.00	0.00	0.00	7.03	MAX	
	0.00	0.00	0.00	0.00	6.81	MIN	
255	-1.12	-3.75	0.00	0.00	7.03	MAX	
	-1.16	-3.87	0.00	0.00	6.81	MIN	
256	-1.12	-3.75	0.00	0.00	7.03	MAX	
	-1.16	-3.87	0.00	0.00	6.81	MIN	

RELAZIONE DI CALCOLO

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]	
257	-11.81	-39.37	-0.99	0.00	-151.91	MAX
	-205.83	-686.10	-1.29	0.00	-461.62	MIN
258	15.17	48.71	-1.67	1.80	-121.59	MAX
	-124.64	-418.84	-2.53	-4.28	-432.48	MIN
259	31.62	101.88	-1.38	11.79	-61.20	MAX
	-52.78	-186.18	-4.35	-4.76	-378.24	MIN
260	36.37	120.18	4.85	42.26	5.81	MAX
	10.39	13.25	4.01	-7.32	-323.78	MIN
261	43.18	117.17	25.45	159.21	63.24	MAX
	12.18	56.21	14.23	-12.61	-105.22	MIN
262	49.51	146.60	146.14	134.80	134.53	MAX
	20.19	42.33	31.35	-205.89	85.71	MIN
263	39.23	139.89	63.04	-114.78	112.90	MAX
	-0.11	11.01	4.23	-121.97	48.88	MIN
264	7.81	33.54	51.90	-105.19	40.70	MAX
	-5.08	4.41	5.30	-258.51	-8.10	MIN
265	0.00	0.00	0.00	0.00	7.03	MAX
	0.00	0.00	0.00	0.00	6.81	MIN
266	-1.12	-3.75	0.00	0.00	7.03	MAX
	-1.16	-3.87	0.00	0.00	6.81	MIN
267	-1.12	-3.75	0.00	0.00	7.03	MAX
	-1.16	-3.87	0.00	0.00	6.81	MIN
268	-11.02	-36.72	-0.89	0.00	-151.55	MAX
	-204.29	-680.98	-1.48	0.00	-455.67	MIN
269	16.60	50.57	-1.91	0.84	-121.06	MAX
	-127.15	-415.66	-2.70	-5.36	-423.58	MIN
270	34.16	100.09	-2.67	6.80	-60.04	MAX
	-62.94	-185.41	-3.11	-5.37	-349.65	MIN
271	43.82	109.01	-2.01	26.92	-1.77	MAX
	-18.49	-6.87	-2.64	-5.85	-235.11	MIN
272	58.38	93.08	7.02	82.97	40.41	MAX
	10.06	72.64	0.74	-15.78	-92.24	MIN
273	61.70	85.00	-1.46	21.26	51.06	MAX
	19.71	43.08	-4.72	-31.10	24.00	MIN
274	59.92	36.30	16.55	-51.05	71.66	MAX
	19.58	16.28	-1.46	-57.53	35.89	MIN
275	55.22	18.00	7.62	-48.33	73.25	MAX
	30.54	2.56	-0.89	-139.85	32.24	MIN
276	0.00	0.00	0.00	0.00	7.03	MAX
	0.00	0.00	0.00	0.00	6.81	MIN
277	-1.12	-3.75	0.00	0.00	7.03	MAX
	-1.16	-3.87	0.00	0.00	6.81	MIN
278	-1.12	-3.75	0.00	0.00	7.03	MAX
	-1.16	-3.87	0.00	0.00	6.81	MIN
279	-9.58	-31.94	0.31	0.00	-150.29	MAX
	-204.04	-680.15	-2.27	0.00	-455.38	MIN
280	18.01	54.59	0.76	-2.30	-119.75	MAX
	-127.07	-414.99	-4.35	-6.55	-423.34	MIN
281	35.50	103.20	0.72	-4.90	-58.70	MAX
	-62.99	-184.80	-7.56	-8.00	-349.48	MIN
282	45.13	111.19	-0.24	-2.26	-0.50	MAX
	-18.62	-6.32	-11.84	-27.87	-234.96	MIN
283	59.68	93.51	-10.69	9.64	41.49	MAX
	9.92	73.99	-16.63	-83.64	-92.04	MIN
284	63.03	85.26	-2.54	28.08	51.89	MAX
	19.63	43.73	-11.15	-21.16	24.22	MIN
285	61.30	36.41	-9.89	62.34	71.83	MAX
	19.56	16.51	-19.52	53.58	36.39	MIN
286	56.70	18.03	-6.46	153.98	73.38	MAX
	30.53	2.62	-9.61	95.62	32.56	MIN
287	0.00	0.00	0.00	0.00	7.03	MAX
	0.00	0.00	0.00	0.00	6.81	MIN
288	-1.12	-3.75	0.00	0.00	7.03	MAX
	-1.16	-3.87	0.00	0.00	6.81	MIN
289	-1.12	-3.75	0.00	0.00	7.03	MAX
	-1.16	-3.87	0.00	0.00	6.81	MIN
290	-7.43	-24.77	0.82	0.00	-147.88	MAX
	-205.12	-683.75	-2.91	0.00	-460.88	MIN
291	19.40	60.89	1.54	-2.99	-117.45	MAX
	-124.48	-416.89	-5.66	-7.81	-431.89	MIN
292	35.60	111.22	2.53	-5.37	-57.00	MAX
	-53.00	-184.33	-9.62	-12.89	-377.85	MIN
293	40.19	126.70	-6.86	-0.41	9.71	MAX
	9.94	14.98	-18.81	-43.26	-323.36	MIN
294	42.71	118.55	-29.24	6.98	66.52	MAX
	16.06	60.22	-31.50	-159.98	-104.62	MIN
295	53.33	147.41	-47.60	203.50	135.25	MAX
	19.93	44.17	-150.35	-134.75	88.11	MIN
296	39.15	140.25	-15.86	127.58	113.47	MAX
	3.82	11.69	-66.19	119.34	50.39	MIN
297	7.76	33.65	-12.87	273.62	41.11	MAX
	-1.16	4.58	-54.02	154.61	-7.13	MIN
298	0.00	0.00	0.00	0.00	7.03	MAX
	0.00	0.00	0.00	0.00	6.81	MIN

RELAZIONE DI CALCOLO

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]	
299	-1.12	-3.75	0.00	0.00	7.03	MAX
	-1.16	-3.87	0.00	0.00	6.81	MIN
300	-1.12	-3.75	0.00	0.00	7.03	MAX
	-1.16	-3.87	0.00	0.00	6.81	MIN
301	-4.90	-16.35	0.03	0.00	-144.48	MAX
	-205.82	-686.06	-3.31	0.00	-464.50	MIN
302	21.18	67.77	-0.17	0.01	-114.43	MAX
	-123.02	-417.81	-6.06	-9.11	-437.97	MIN
303	36.22	118.25	-0.85	-0.49	-54.23	MAX
	-47.16	-183.11	-8.82	-6.82	-396.04	MIN
304	39.63	142.94	-1.89	-0.82	-3.19	MAX
	29.62	47.86	-11.26	-4.65	-435.30	MIN
305	157.35	453.08	-2.98	-0.76	97.22	MAX
	33.70	192.82	-12.64	-2.83	-859.24	MIN
306	127.88	213.78	-3.60	0.45	-212.86	MAX
	-169.18	-128.91	-12.65	-0.24	-1021.21	MIN
307	-83.53	-88.54	-2.75	7.41	-373.37	MAX
	-122.61	-391.21	-9.09	2.47	-571.00	MIN
308	-50.71	-11.77	-1.88	41.61	-144.28	MAX
	-69.22	-102.39	-5.99	13.66	-328.08	MIN
309	0.00	0.00	0.00	0.00	7.03	MAX
	0.00	0.00	0.00	0.00	6.81	MIN
310	-1.12	-3.75	0.00	0.00	7.03	MAX
	-1.16	-3.87	0.00	0.00	6.81	MIN
311	-1.12	-3.75	0.00	0.00	7.03	MAX
	-1.16	-3.87	0.00	0.00	6.81	MIN
312	-2.18	-7.26	-0.56	0.00	-140.19	MAX
	-205.14	-683.78	-3.72	0.00	-462.35	MIN
313	23.42	73.95	-1.59	3.08	-110.10	MAX
	-125.22	-416.04	-6.48	-10.00	-433.38	MIN
314	38.42	120.21	-4.03	11.53	-50.60	MAX
	-54.13	-182.23	-8.01	-7.27	-379.06	MIN
315	41.93	132.33	3.11	41.14	14.83	MAX
	8.62	17.75	-3.68	-7.19	-323.73	MIN
316	41.54	121.11	23.08	158.03	70.28	MAX
	17.63	63.62	5.20	-10.66	-103.99	MIN
317	53.74	149.00	142.85	134.62	136.46	MAX
	19.22	45.39	22.26	-201.89	90.66	MIN
318	38.82	140.95	60.39	-107.56	114.55	MAX
	4.09	12.09	-2.38	-114.13	51.82	MIN
319	7.50	33.93	50.11	-70.16	41.94	MAX
	-0.97	4.64	0.82	-244.88	-6.27	MIN
320	0.00	0.00	0.00	0.00	7.03	MAX
	0.00	0.00	0.00	0.00	6.81	MIN
321	-1.12	-3.75	0.00	0.00	7.03	MAX
	-1.16	-3.87	0.00	0.00	6.81	MIN
322	-1.12	-3.75	0.00	0.00	7.03	MAX
	-1.16	-3.87	0.00	0.00	6.81	MIN
323	1.00	3.33	0.55	0.00	-134.07	MAX
	-204.43	-681.44	-4.34	0.00	-460.03	MIN
324	25.63	80.49	0.05	2.12	-104.43	MAX
	-128.56	-413.50	-7.71	-10.40	-427.76	MIN
325	40.37	120.85	-1.59	5.14	-45.62	MAX
	-65.03	-180.16	-9.91	-6.65	-352.62	MIN
326	47.65	122.18	-3.41	23.83	9.78	MAX
	-20.99	-0.06	-10.74	-3.05	-235.81	MIN
327	60.50	99.22	4.08	80.42	48.93	MAX
	7.63	80.64	-8.63	-11.04	-90.50	MIN
328	62.89	88.87	-6.09	20.53	56.81	MAX
	18.18	46.56	-14.52	-24.28	27.24	MIN
329	61.65	37.94	12.91	-42.88	74.34	MAX
	18.87	17.27	-8.52	-47.84	39.21	MIN
330	57.95	18.22	4.93	-7.37	75.05	MAX
	29.76	2.69	-5.80	-119.71	33.94	MIN
331	0.00	0.00	0.00	0.00	7.03	MAX
	0.00	0.00	0.00	-0.01	6.81	MIN
332	-1.12	-3.75	0.00	0.00	7.03	MAX
	-1.16	-3.87	0.00	0.00	6.81	MIN
333	-1.12	-3.75	0.00	0.00	7.03	MAX
	-1.16	-3.87	0.00	0.00	6.81	MIN
334	4.94	16.45	2.62	0.00	-125.43	MAX
	-205.83	-686.09	-4.80	0.00	-467.48	MIN
335	26.66	88.66	4.03	-3.77	-96.77	MAX
	-128.62	-413.64	-8.81	-10.39	-433.87	MIN
336	39.26	125.78	2.96	-1.01	-39.99	MAX
	-64.76	-177.18	-13.83	-13.92	-356.15	MIN
337	44.92	124.82	-0.47	4.70	13.65	MAX
	-21.28	4.14	-19.89	-33.72	-236.33	MIN
338	57.19	103.50	-14.70	18.17	51.41	MAX
	7.14	82.37	-26.80	-90.06	-88.96	MIN
339	59.16	91.20	-8.17	38.33	57.96	MAX
	17.35	46.96	-21.06	-22.69	29.26	MIN
340	58.45	38.88	-17.27	78.37	76.96	MAX
	17.57	17.35	-25.02	60.03	40.25	MIN

RELAZIONE DI CALCOLO

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]	
341	54.67	19.70	-11.58	182.94	78.12	MAX
	29.60	2.77	-13.06	141.65	34.88	MIN
342	0.00	0.00	0.00	-0.03	7.04	MAX
	0.00	0.00	0.00	-0.03	6.82	MIN
343	-1.13	-3.75	0.00	0.00	7.04	MAX
	-1.16	-3.87	0.00	0.00	6.82	MIN
344	-1.13	-3.75	0.00	0.00	7.04	MAX
	-1.16	-3.87	0.00	0.00	6.82	MIN
345	9.22	30.72	3.29	0.00	-115.02	MAX
	-209.65	-698.83	-4.58	0.00	-487.27	MIN
346	25.20	97.54	5.91	-2.50	-87.84	MAX
	-121.65	-415.48	-8.68	-15.88	-452.92	MIN
347	33.33	134.63	7.28	4.66	-34.21	MAX
	-49.99	-172.44	-14.22	-29.09	-387.70	MIN
348	32.62	140.74	-5.07	12.84	25.88	MAX
	8.40	31.45	-26.14	-53.57	-326.43	MIN
349	37.15	132.89	-32.69	19.87	77.20	MAX
	7.71	67.77	-41.07	-163.97	-99.56	MIN
350	43.65	158.70	-58.84	222.44	148.01	MAX
	15.79	46.86	-164.60	-139.56	96.99	MIN
351	39.52	148.38	-23.38	145.27	120.37	MAX
	-8.25	12.49	-74.22	126.33	53.52	MIN
352	5.77	34.18	-18.44	313.05	41.61	MAX
	-12.77	4.85	-60.67	202.53	-8.38	MIN
353	0.05	0.01	0.01	-0.13	7.07	MAX
	0.05	0.01	0.01	-0.13	6.84	MIN
354	-1.13	-3.77	0.01	0.00	7.07	MAX
	-1.17	-3.89	0.01	0.00	6.84	MIN
355	-1.13	-3.77	0.01	0.00	7.07	MAX
	-1.17	-3.89	0.01	0.00	6.84	MIN
356	12.38	41.28	-0.83	0.00	-107.39	MAX
	-213.94	-713.12	-3.72	0.00	-509.22	MIN
357	19.83	104.04	2.54	4.54	-81.44	MAX
	-98.76	-412.86	-6.52	-41.44	-470.10	MIN
358	22.59	142.12	10.75	10.31	-28.46	MAX
	-27.52	-165.75	-10.12	-34.03	-405.60	MIN
359	34.52	156.00	7.65	15.05	15.03	MAX
	16.56	71.16	-16.76	-18.50	-427.46	MIN
360	139.48	486.72	-5.94	25.13	108.59	MAX
	10.97	203.10	-21.72	-5.23	-869.44	MIN
361	116.54	227.20	5.55	13.50	-220.97	MAX
	-195.66	-133.22	-18.21	3.32	-1051.09	MIN
362	-102.71	-91.65	-14.52	32.05	-385.10	MAX
	-125.05	-407.66	-17.45	2.04	-579.96	MIN
363	-61.47	-12.54	-10.48	96.50	-142.60	MAX
	-69.50	-101.68	-11.71	78.77	-321.94	MIN
364	0.25	0.10	0.02	-0.26	7.13	MAX
	0.24	0.10	0.02	-0.27	6.90	MIN
365	-1.13	-3.77	0.04	0.00	7.13	MAX
	-1.17	-3.89	0.04	0.00	6.90	MIN
366	-1.13	-3.77	0.04	0.00	7.13	MAX
	-1.17	-3.89	0.04	0.00	6.90	MIN
367	12.15	40.49	4.60	0.00	-111.29	MAX
	-213.91	-713.02	-16.43	0.00	-509.32	MIN
368	10.08	105.82	1.26	9.24	-82.73	MAX
	-44.38	-404.33	-3.40	-70.69	-465.70	MIN
369	10.83	145.74	12.15	11.31	-26.47	MAX
	-10.16	-165.80	-4.32	-24.28	-391.67	MIN
370	14.90	151.14	17.90	15.43	36.96	MAX
	4.75	58.70	-5.72	10.67	-346.40	MIN
371	35.02	184.84	26.77	153.24	92.98	MAX
	-23.19	76.41	0.89	21.46	-143.75	MIN
372	6.42	196.30	158.90	155.71	102.65	MAX
	4.28	32.77	22.57	-205.84	85.56	MIN
373	21.46	144.70	52.08	-83.01	82.79	MAX
	-43.05	2.43	-6.32	-111.12	21.11	MIN
374	16.91	36.40	40.69	-31.61	4.31	MAX
	-36.02	4.70	-2.23	-167.72	-35.56	MIN
375	0.41	-0.08	0.12	-0.33	6.68	MAX
	0.40	-0.09	0.11	-0.34	6.47	MIN
376	-1.13	-3.78	0.17	0.00	6.68	MAX
	-1.17	-3.91	0.17	0.00	6.47	MIN
377	-1.13	-3.78	0.17	0.00	6.68	MAX
	-1.17	-3.91	0.17	0.00	6.47	MIN
378	9.72	32.39	13.70	0.00	-159.66	MAX
	-204.35	-681.18	-54.31	0.00	-376.11	MIN
379	11.03	108.63	6.37	10.31	-118.58	MAX
	2.80	-406.62	-8.38	-82.47	-430.70	MIN
380	4.03	146.19	26.32	9.51	-31.77	MAX
	-3.63	-164.11	-0.47	-14.20	-488.21	MIN
381	-5.35	138.97	19.13	23.16	61.72	MAX
	-5.84	47.11	-5.03	11.45	-376.57	MIN
382	19.15	179.86	27.28	165.40	129.09	MAX
	5.23	87.81	-0.32	-0.67	-116.74	MIN

RELAZIONE DI CALCOLO

In	Mx [kNm]	My [kNm]	Mxy [kNm]	Tx [kN]	Ty [kN]	
383	5.35	141.32	-15.42	49.65	132.16	MAX
	-5.45	32.50	-22.93	-43.23	113.26	MIN
384	-10.66	51.15	22.99	-85.81	201.95	MAX
	-47.44	3.78	-5.74	-89.27	90.89	MIN
385	57.33	41.21	3.27	-59.66	193.48	MAX
	-5.72	-4.14	-4.93	-201.32	66.17	MIN

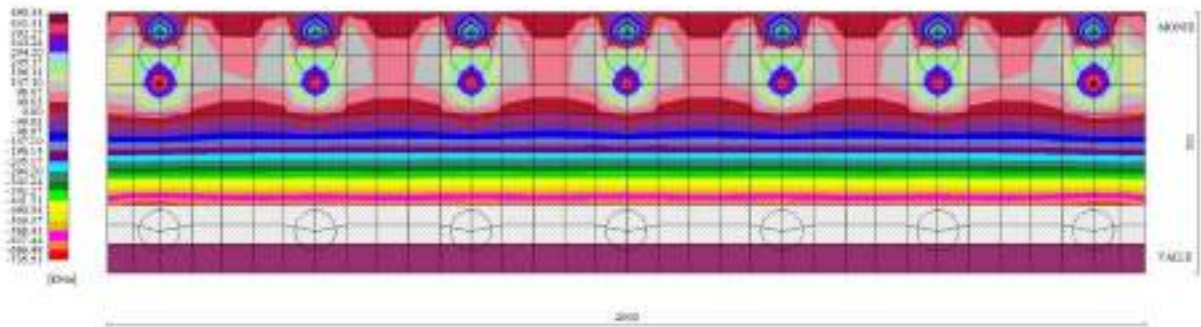


Fig. 7 - Piastra fondazione - Momento My (Combinazione n° 2)

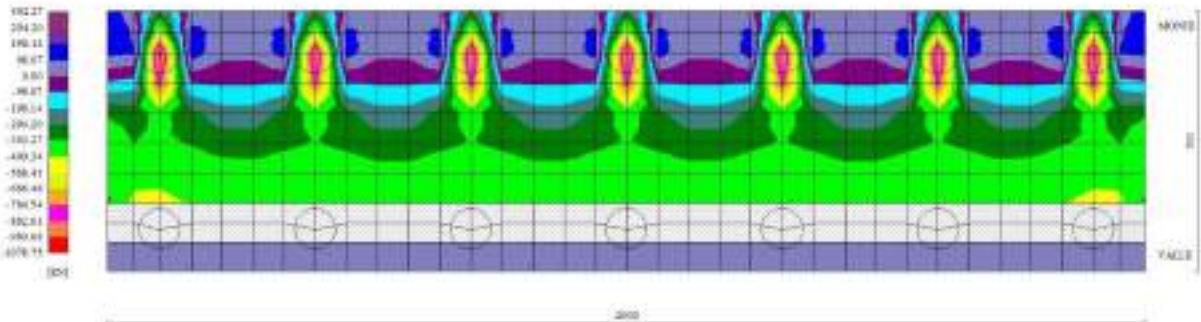


Fig. 8 - Piastra fondazione - Taglio Ty (Combinazione n° 2)

10.2.4 Sollecitazioni pali

Simbologia adottata

RELAZIONE DI CALCOLO

N Sforzo normale, espresso in [kN]. Positivo se di compressione.
T Taglio, espresso in [kN]. Positivo se diretto da monte verso valle
M Momento, espresso in [kNm]. Positivo se tende le fibre contro terra (a monte)

Palo n° 1

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	552.35	7436.71	-162.02	-720.71	-298.88	-1329.57
19	6.30	589.14	7199.20	2.64	18.61	83.87	408.90
28	9.45	607.54	7080.45	12.53	61.16	55.33	261.13
101	35.00	756.76	6130.42	0.00	0.02	0.00	0.00

Palo n° 2

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	979.24	7436.80	-162.02	-720.71	-298.88	-1329.57
19	6.30	998.31	7199.29	2.64	18.61	83.87	408.90
28	9.45	1007.85	7080.53	12.53	61.16	55.33	261.13
101	35.00	1085.18	6130.50	0.00	0.02	0.00	0.00

Palo n° 1

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	-329.76	-7436.87	-581.72	-771.01	-1003.13	-1329.54
18	5.95	-239.17	-7212.56	8.38	20.81	331.17	498.70
27	9.10	-191.21	-7093.80	49.47	74.57	221.55	321.31
101	35.00	203.13	-6130.58	0.01	0.02	0.00	0.00

Palo n° 2

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	1984.51	7436.87	-581.72	-771.01	-1003.13	-1329.54
18	5.95	1963.10	7212.54	8.38	20.81	331.17	498.70
27	9.10	1951.76	7093.77	49.47	74.57	221.55	321.31
101	35.00	1858.55	6130.48	0.01	0.02	0.00	0.00

Palo n° 1

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	597.86	7436.75	-122.99	-711.66	-229.79	-1329.66
19	6.30	632.76	7199.18	1.70	15.94	62.93	395.61
28	9.45	650.22	7080.40	9.40	59.15	41.93	255.75
101	35.00	791.77	6130.19	0.00	0.01	0.00	0.00

Palo n° 2

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	896.60	7436.91	-122.99	-711.66	-229.79	-1329.66
19	6.30	919.10	7199.40	1.70	15.94	62.93	395.61
28	9.45	930.35	7080.64	9.40	59.15	41.93	255.75
101	35.00	1021.60	6130.61	0.00	0.01	0.00	0.00

Palo n° 1

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	597.86	7436.75	-122.99	-711.66	-229.79	-1329.66
19	6.30	632.76	7199.18	1.70	15.94	62.93	395.61
28	9.45	650.22	7080.40	9.40	59.15	41.93	255.75
101	35.00	791.77	6130.19	0.00	0.01	0.00	0.00

Palo n° 2

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	896.60	7436.91	-122.99	-711.66	-229.79	-1329.66
19	6.30	919.10	7199.40	1.70	15.94	62.93	395.61
28	9.45	930.35	7080.64	9.40	59.15	41.93	255.75
101	35.00	1021.60	6130.61	0.00	0.01	0.00	0.00

Palo n° 1

RELAZIONE DI CALCOLO

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	597.86	7436.75	-122.99	-711.66	-229.79	-1329.66
19	6.30	632.76	7199.18	1.70	15.94	62.93	395.61
28	9.45	650.22	7080.40	9.40	59.15	41.93	255.75
101	35.00	791.77	6130.19	0.00	0.01	0.00	0.00

Palo n° 2

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	896.60	7436.91	-122.99	-711.66	-229.79	-1329.66
19	6.30	919.10	7199.40	1.70	15.94	62.93	395.61
28	9.45	930.35	7080.64	9.40	59.15	41.93	255.75
101	35.00	1021.60	6130.61	0.00	0.01	0.00	0.00

Palo n° 1

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	332.05	7436.90	-250.73	-759.24	-439.11	-1329.67
18	5.95	375.44	7212.59	2.09	16.93	136.51	476.57
27	9.10	398.41	7093.83	20.38	71.23	93.38	311.50
101	35.00	587.28	6130.61	0.01	0.02	0.00	0.00

Palo n° 2

n°	Y [m]	Ne [kN]	Nr [kN]	Te [kN]	Tr [kN]	Me [kNm]	Mr [kNm]
1	0.00	1197.25	7436.94	-250.73	-759.24	-439.11	-1329.67
18	5.95	1206.71	7212.61	2.09	16.93	136.51	476.57
27	9.10	1211.72	7093.84	20.38	71.23	93.38	311.50
101	35.00	1252.89	6130.53	0.01	0.02	0.00	0.00

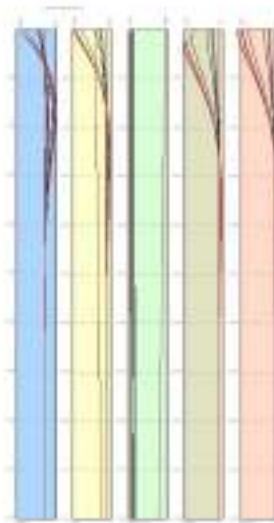


Fig. 9 - Sollecitazioni palo (Palo n° 1) (Involuppo)

RELAZIONE DI CALCOLO

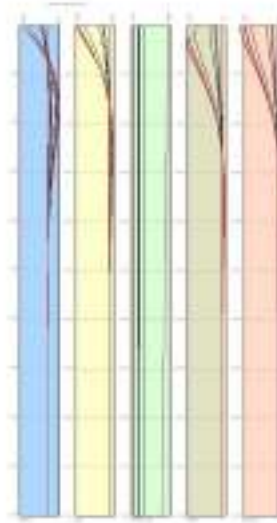


Fig. 10 - Sollecitazioni palo (Palo n° 2) (Inviluppo)

Verifiche strutturali

Verifiche a flessione

Elementi calcolati a trave

Simbologia adottata

n°	indice sezione
B	larghezza sezione espresso in [cm]
H	altezza sezione espressa in [cm]
Afi	area ferri inferiori espresso in [cmq]
Afs	area ferri superiori espressa in [cmq]
M	momento agente espressa in [kNm]
N	sforzo normale agente espressa in [kN]
Mu	momento ultimi espressa in [kNm]
Nu	sforzo normale ultimo espressa in [kN]
FS	fattore di sicurezza (rapporto tra sollecitazione ultima e sollecitazione agente)

Elementi calcolati a piastra

Simbologia adottata

n°	indice sezione
Y	ordinata sezione espressa in [m]
B	larghezza sezione espresso in [cm]
H	altezza sezione espressa in [cm]
Afi, Afs	area ferri inferiori e superiori, espresso in [cmq]
Mp, Mn	momento positivo e negativo agente espressa in [kNm]
Mu	momento ultimi espressa in [kNm]
FS	fattore di sicurezza (rapporto tra sollecitazione ultima e sollecitazione agente)

Paramento

n°	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	M [kNm]	N [kN]	Mu [kNm]	Nu [kN]	FS
1	100	30	18.10	22.62	-0.67	4.50	-154.65	4.50	229.111
2	100	31	18.10	22.62	-0.61	5.24	-162.09	5.24	265.033
3	100	32	18.10	22.62	-0.46	6.00	-169.32	6.00	364.897
4	100	33	18.10	22.62	0.99	5.29	210.86	5.29	213.826
5	100	34	18.10	22.62	2.10	6.11	219.91	6.11	104.837
6	100	35	18.10	22.62	3.54	6.95	228.97	6.95	64.771
7	100	36	18.10	22.62	5.30	7.81	238.04	7.81	44.878
8	100	37	18.10	22.62	7.41	8.71	247.13	8.71	33.347
9	100	38	18.10	22.62	9.86	9.62	256.22	9.62	25.985
10	100	39	18.10	22.62	12.66	10.56	265.34	10.56	20.960
11	100	40	18.10	22.62	15.81	11.53	274.46	11.53	17.358
12	100	41	18.10	22.62	19.33	12.52	283.60	12.52	14.675
13	100	42	18.10	22.62	23.21	13.54	292.75	13.54	12.616

RELAZIONE DI CALCOLO

n°	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	M [kNm]	N [kN]	Mu [kNm]	Nu [kN]	FS
14	100	44	18.10	22.62	27.46	14.58	301.91	14.58	10.996
15	100	45	18.10	22.62	32.09	15.64	311.09	15.64	9.696
16	100	46	18.10	22.62	37.10	16.74	320.28	16.74	8.633
17	100	47	18.10	22.62	42.50	17.85	329.49	17.85	7.753
18	100	48	18.10	22.62	48.30	19.00	338.71	19.00	7.013
19	100	49	18.10	22.62	54.49	20.16	347.94	20.16	6.385
20	100	50	18.10	22.62	61.09	21.36	357.19	21.36	5.847
21	100	51	18.10	22.62	68.11	22.57	366.46	22.57	5.380
22	100	52	18.10	22.62	75.54	23.82	375.74	23.82	4.974
23	100	53	18.10	22.62	83.40	25.08	385.04	25.08	4.617
24	100	54	18.10	22.62	91.68	26.38	394.36	26.38	4.301
25	100	55	18.10	22.62	100.40	27.70	403.70	27.70	4.021
26	100	56	18.10	22.62	109.56	29.04	413.39	29.04	3.773
27	100	57	18.10	22.62	119.17	30.41	422.85	30.41	3.548
28	100	58	18.10	22.62	129.23	31.80	432.28	31.80	3.345
29	100	59	18.10	45.24	139.74	33.22	843.07	33.22	6.033
30	100	60	18.10	45.24	150.72	34.67	861.76	34.67	5.717
31	100	61	18.10	45.24	162.17	36.14	880.46	36.14	5.429
32	100	62	18.10	45.24	174.10	37.63	899.18	37.63	5.165
33	100	63	18.10	45.24	186.50	39.15	917.91	39.15	4.922
34	100	64	18.10	45.24	199.39	40.70	936.66	40.70	4.697
35	100	65	0.00	45.24	212.78	42.27	950.94	42.27	4.469
36	100	66	0.00	45.24	226.66	43.86	969.70	43.86	4.278
37	100	67	0.00	45.24	241.05	45.48	988.48	45.48	4.101
38	100	68	0.00	45.24	255.94	47.13	1007.28	47.13	3.936
39	100	69	0.00	45.24	271.35	48.80	1026.09	48.80	3.781
40	100	71	0.00	45.24	287.28	50.50	1044.92	50.50	3.637
41	100	72	0.00	45.24	303.74	52.22	1063.77	52.22	3.502
42	100	73	0.00	45.24	320.73	53.96	1082.64	53.96	3.376
43	100	74	0.00	45.24	338.26	55.73	1101.52	55.73	3.256
44	100	75	0.00	45.24	356.33	57.53	1118.56	57.53	3.139

Fondazione

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
1-1-P	18.10	18.10	0.03	-0.24	594.18	100.000 (1)
1-2-P	18.10	18.10	0.02	-0.25	594.18	100.000 (1)
1-3-P	18.10	18.10	0.01	-0.26	594.18	100.000 (1)
1-4-P	18.10	18.10	0.00	-0.28	594.18	100.000 (1)
1-5-P	18.10	18.10	0.00	-0.31	-594.18	100.000 (1)
1-6-P	18.10	18.10	0.00	-0.31	-594.18	100.000 (1)
1-7-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-8-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-9-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-10-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-11-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-12-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-13-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-14-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-15-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-16-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-17-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-18-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-19-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-20-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-21-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-22-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-23-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-24-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-25-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-26-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-27-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-28-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-29-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-30-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-31-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-32-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-33-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-34-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-35-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-36-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-37-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-38-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-39-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-40-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-41-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-42-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-43-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-44-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
1-45-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-46-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-47-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-48-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-49-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-50-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-51-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-52-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-53-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-54-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-55-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-56-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-57-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-58-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-59-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-60-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-61-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-62-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-63-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-64-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-65-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-66-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-67-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-68-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-69-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-70-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-71-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-72-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-73-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-74-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-75-P	18.10	18.10	0.00	-0.32	-594.18	100.000 (1)
1-76-P	18.10	18.10	0.00	-0.31	-594.18	100.000 (1)
1-77-P	18.10	18.10	0.00	-0.31	-594.18	100.000 (1)
1-78-P	18.10	18.10	0.00	-0.28	594.18	100.000 (1)
1-79-P	18.10	18.10	0.01	-0.26	594.18	100.000 (1)
1-80-P	18.10	18.10	0.02	-0.25	594.18	100.000 (1)
1-81-P	18.10	18.10	0.03	-0.24	594.18	100.000 (1)
3-1-P	22.62	22.62	2.44	-56.19	-744.61	13.251 (2)
3-2-P	22.62	22.62	0.00	-70.22	-744.61	10.603 (2)
3-3-P	22.62	22.62	0.00	-86.69	-744.61	8.589 (2)
3-4-P	22.62	22.62	0.00	-102.07	-744.61	7.295 (2)
3-5-P	22.62	22.62	0.00	-117.44	-744.61	6.340 (2)
3-6-P	22.62	22.62	0.00	-122.96	-744.61	6.056 (2)
3-7-P	22.62	22.62	0.00	-128.48	-744.61	5.795 (2)
3-8-P	22.62	22.62	0.00	-131.72	-744.61	5.653 (2)
3-9-P	22.62	22.62	0.00	-133.44	-744.61	5.580 (2)
3-10-P	22.62	22.62	0.00	-134.78	-744.61	5.525 (2)
3-11-P	22.62	22.62	0.00	-134.60	-744.61	5.532 (2)
3-12-P	22.62	22.62	0.00	-134.43	-744.61	5.539 (2)
3-13-P	22.62	22.62	0.00	-133.50	-744.61	5.577 (2)
3-14-P	22.62	22.62	0.00	-132.38	-744.61	5.625 (2)
3-15-P	22.62	22.62	0.00	-131.43	-744.61	5.666 (2)
3-16-P	22.62	22.62	0.00	-130.73	-744.61	5.696 (2)
3-17-P	22.62	22.62	0.00	-130.02	-744.61	5.727 (2)
3-18-P	22.62	22.62	0.00	-130.51	-744.61	5.705 (2)
3-19-P	22.62	22.62	0.00	-131.00	-744.61	5.684 (2)
3-20-P	22.62	22.62	0.00	-131.72	-744.61	5.653 (2)
3-21-P	22.62	22.62	0.00	-132.59	-744.61	5.616 (2)
3-22-P	22.62	22.62	0.00	-133.30	-744.61	5.586 (2)
3-23-P	22.62	22.62	0.00	-133.34	-744.61	5.584 (2)
3-24-P	22.62	22.62	0.00	-133.39	-744.61	5.582 (2)
3-25-P	22.62	22.62	0.00	-132.75	-744.61	5.609 (2)
3-26-P	22.62	22.62	0.00	-131.95	-744.61	5.643 (2)
3-27-P	22.62	22.62	0.00	-131.27	-744.61	5.672 (2)
3-28-P	22.62	22.62	0.00	-130.78	-744.61	5.693 (2)
3-29-P	22.62	22.62	0.00	-130.30	-744.61	5.715 (2)
3-30-P	22.62	22.62	0.00	-130.89	-744.61	5.689 (2)
3-31-P	22.62	22.62	0.00	-131.49	-744.61	5.663 (2)
3-32-P	22.62	22.62	0.00	-132.27	-744.61	5.629 (2)
3-33-P	22.62	22.62	0.00	-133.18	-744.61	5.591 (2)
3-34-P	22.62	22.62	0.00	-133.91	-744.61	5.561 (2)
3-35-P	22.62	22.62	0.00	-133.94	-744.61	5.559 (2)
3-36-P	22.62	22.62	0.00	-133.97	-744.61	5.558 (2)
3-37-P	22.62	22.62	0.00	-133.30	-744.61	5.586 (2)
3-38-P	22.62	22.62	0.00	-132.46	-744.61	5.621 (2)
3-39-P	22.62	22.62	0.00	-131.74	-744.61	5.652 (2)
3-40-P	22.62	22.62	0.00	-131.20	-744.61	5.676 (2)
3-41-P	22.62	22.62	0.00	-130.66	-744.61	5.699 (2)
3-42-P	22.62	22.62	0.00	-131.20	-744.61	5.676 (2)
3-43-P	22.62	22.62	0.00	-131.74	-744.61	5.652 (2)
3-44-P	22.62	22.62	0.00	-132.46	-744.61	5.621 (2)
3-45-P	22.62	22.62	0.00	-133.30	-744.61	5.586 (2)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
3-46-P	22.62	22.62	0.00	-133.97	-744.61	5.558 (2)
3-47-P	22.62	22.62	0.00	-133.94	-744.61	5.559 (2)
3-48-P	22.62	22.62	0.00	-133.91	-744.61	5.561 (2)
3-49-P	22.62	22.62	0.00	-133.18	-744.61	5.591 (2)
3-50-P	22.62	22.62	0.00	-132.27	-744.61	5.629 (2)
3-51-P	22.62	22.62	0.00	-131.49	-744.61	5.663 (2)
3-52-P	22.62	22.62	0.00	-130.89	-744.61	5.689 (2)
3-53-P	22.62	22.62	0.00	-130.30	-744.61	5.715 (2)
3-54-P	22.62	22.62	0.00	-130.78	-744.61	5.693 (2)
3-55-P	22.62	22.62	0.00	-131.27	-744.61	5.672 (2)
3-56-P	22.62	22.62	0.00	-131.95	-744.61	5.643 (2)
3-57-P	22.62	22.62	0.00	-132.75	-744.61	5.609 (2)
3-58-P	22.62	22.62	0.00	-133.39	-744.61	5.582 (2)
3-59-P	22.62	22.62	0.00	-133.34	-744.61	5.584 (2)
3-60-P	22.62	22.62	0.00	-133.30	-744.61	5.586 (2)
3-61-P	22.62	22.62	0.00	-132.59	-744.61	5.616 (2)
3-62-P	22.62	22.62	0.00	-131.72	-744.61	5.653 (2)
3-63-P	22.62	22.62	0.00	-131.00	-744.61	5.684 (2)
3-64-P	22.62	22.62	0.00	-130.51	-744.61	5.705 (2)
3-65-P	22.62	22.62	0.00	-130.02	-744.61	5.727 (2)
3-66-P	22.62	22.62	0.00	-130.73	-744.61	5.696 (2)
3-67-P	22.62	22.62	0.00	-131.43	-744.61	5.666 (2)
3-68-P	22.62	22.62	0.00	-132.38	-744.61	5.625 (2)
3-69-P	22.62	22.62	0.00	-133.50	-744.61	5.577 (2)
3-70-P	22.62	22.62	0.00	-134.43	-744.61	5.539 (2)
3-71-P	22.62	22.62	0.00	-134.60	-744.61	5.532 (2)
3-72-P	22.62	22.62	0.00	-134.78	-744.61	5.525 (2)
3-73-P	22.62	22.62	0.00	-133.44	-744.61	5.580 (2)
3-74-P	22.62	22.62	0.00	-131.72	-744.61	5.653 (2)
3-75-P	22.62	22.62	0.00	-128.48	-744.61	5.795 (2)
3-76-P	22.62	22.62	0.00	-122.96	-744.61	6.056 (2)
3-77-P	22.62	22.62	0.00	-117.44	-744.61	6.340 (2)
3-78-P	22.62	22.62	0.00	-102.07	-744.61	7.295 (2)
3-79-P	22.62	22.62	0.00	-86.69	-744.61	8.589 (2)
3-80-P	22.62	22.62	0.00	-70.22	-744.61	10.603 (2)
3-81-P	22.62	22.62	2.44	-56.19	-744.61	13.251 (2)
4-1-P	22.62	22.62	0.82	-1.86	744.61	100.000 (1)
4-2-P	22.62	22.62	1.76	-0.14	744.61	100.000 (1)
4-3-P	22.62	22.62	5.45	-6.23	744.61	71.611 (2)
4-4-P	22.62	22.62	7.89	-9.76	744.61	49.428 (2)
4-5-P	22.62	22.62	10.67	-13.62	744.61	33.242 (2)
4-6-P	22.62	22.62	6.09	-18.63	-744.61	28.544 (2)
4-7-P	22.62	22.62	2.63	-24.77	-744.61	22.902 (2)
4-8-P	22.62	22.62	0.44	-31.24	-744.61	20.433 (2)
4-9-P	22.62	22.62	0.04	-38.86	-744.61	19.161 (2)
4-10-P	22.62	22.62	0.01	-45.25	-744.61	16.456 (2)
4-11-P	22.62	22.62	0.01	-45.26	-744.61	16.453 (2)
4-12-P	22.62	22.62	0.01	-45.26	-744.61	16.451 (2)
4-13-P	22.62	22.62	0.00	-39.50	-744.61	18.849 (2)
4-14-P	22.62	22.62	0.48	-32.79	-744.61	19.463 (2)
4-15-P	22.62	22.62	2.66	-28.23	-744.61	21.355 (2)
4-16-P	22.62	22.62	5.67	-25.14	-744.61	22.568 (2)
4-17-P	22.62	22.62	9.24	-22.62	-744.61	25.085 (2)
4-18-P	22.62	22.62	5.85	-24.86	-744.61	22.817 (2)
4-19-P	22.62	22.62	2.94	-27.59	-744.61	21.851 (2)
4-20-P	22.62	22.62	0.73	-31.72	-744.61	21.237 (2)
4-21-P	22.62	22.62	0.05	-37.86	-744.61	19.667 (2)
4-22-P	22.62	22.62	0.00	-43.26	-744.61	17.214 (2)
4-23-P	22.62	22.62	0.00	-43.23	-744.61	17.226 (2)
4-24-P	22.62	22.62	0.00	-43.20	-744.61	17.238 (2)
4-25-P	22.62	22.62	0.01	-37.67	-744.61	19.767 (2)
4-26-P	22.62	22.62	0.74	-31.50	-744.61	20.263 (2)
4-27-P	22.62	22.62	3.02	-27.33	-744.61	22.059 (2)
4-28-P	22.62	22.62	6.05	-24.57	-744.61	24.535 (2)
4-29-P	22.62	22.62	9.55	-22.28	-744.61	25.467 (2)
4-30-P	22.62	22.62	6.05	-24.62	-744.61	24.479 (2)
4-31-P	22.62	22.62	3.02	-27.44	-744.61	21.964 (2)
4-32-P	22.62	22.62	0.73	-31.66	-744.61	20.156 (2)
4-33-P	22.62	22.62	0.03	-37.91	-744.61	19.642 (2)
4-34-P	22.62	22.62	0.00	-43.44	-744.61	17.141 (2)
4-35-P	22.62	22.62	0.00	-43.47	-744.61	17.131 (2)
4-36-P	22.62	22.62	0.00	-43.49	-744.61	17.121 (2)
4-37-P	22.62	22.62	0.02	-38.00	-744.61	19.597 (2)
4-38-P	22.62	22.62	0.70	-31.78	-744.61	20.082 (2)
4-39-P	22.62	22.62	2.96	-27.59	-744.61	21.851 (2)
4-40-P	22.62	22.62	5.97	-24.78	-744.61	24.327 (2)
4-41-P	22.62	22.62	9.45	-22.45	-744.61	25.268 (2)
4-42-P	22.62	22.62	5.97	-24.78	-744.61	24.327 (2)
4-43-P	22.62	22.62	2.96	-27.59	-744.61	21.851 (2)
4-44-P	22.62	22.62	0.70	-31.78	-744.61	20.082 (2)
4-45-P	22.62	22.62	0.02	-38.00	-744.61	19.597 (2)
4-46-P	22.62	22.62	0.00	-43.49	-744.61	17.121 (2)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
4-47-P	22.62	22.62	0.00	-43.47	-744.61	17.131 (2)
4-48-P	22.62	22.62	0.00	-43.44	-744.61	17.141 (2)
4-49-P	22.62	22.62	0.03	-37.91	-744.61	19.642 (2)
4-50-P	22.62	22.62	0.73	-31.66	-744.61	20.156 (2)
4-51-P	22.62	22.62	3.02	-27.44	-744.61	21.964 (2)
4-52-P	22.62	22.62	6.05	-24.62	-744.61	24.479 (2)
4-53-P	22.62	22.62	9.55	-22.28	-744.61	25.467 (2)
4-54-P	22.62	22.62	6.05	-24.57	-744.61	24.535 (2)
4-55-P	22.62	22.62	3.02	-27.33	-744.61	22.059 (2)
4-56-P	22.62	22.62	0.74	-31.50	-744.61	20.263 (2)
4-57-P	22.62	22.62	0.01	-37.67	-744.61	19.767 (2)
4-58-P	22.62	22.62	0.00	-43.20	-744.61	17.238 (2)
4-59-P	22.62	22.62	0.00	-43.23	-744.61	17.226 (2)
4-60-P	22.62	22.62	0.00	-43.26	-744.61	17.214 (2)
4-61-P	22.62	22.62	0.05	-37.86	-744.61	19.667 (2)
4-62-P	22.62	22.62	0.73	-31.72	-744.61	21.237 (2)
4-63-P	22.62	22.62	2.94	-27.59	-744.61	21.851 (2)
4-64-P	22.62	22.62	5.85	-24.86	-744.61	22.817 (2)
4-65-P	22.62	22.62	9.24	-22.62	-744.61	25.085 (2)
4-66-P	22.62	22.62	5.67	-25.14	-744.61	22.568 (2)
4-67-P	22.62	22.62	2.66	-28.23	-744.61	21.355 (2)
4-68-P	22.62	22.62	0.48	-32.79	-744.61	19.463 (2)
4-69-P	22.62	22.62	0.00	-39.50	-744.61	18.849 (2)
4-70-P	22.62	22.62	0.01	-45.26	-744.61	16.451 (2)
4-71-P	22.62	22.62	0.01	-45.26	-744.61	16.453 (2)
4-72-P	22.62	22.62	0.01	-45.25	-744.61	16.456 (2)
4-73-P	22.62	22.62	0.04	-38.86	-744.61	19.161 (2)
4-74-P	22.62	22.62	0.44	-31.24	-744.61	20.433 (2)
4-75-P	22.62	22.62	2.63	-24.77	-744.61	22.902 (2)
4-76-P	22.62	22.62	6.09	-18.63	-744.61	28.544 (2)
4-77-P	22.62	22.62	10.67	-13.62	744.61	33.242 (2)
4-78-P	22.62	22.62	7.89	-9.76	744.61	49.428 (2)
4-79-P	22.62	22.62	5.45	-6.23	744.61	71.611 (2)
4-80-P	22.62	22.62	1.76	-0.14	744.61	100.000 (1)
4-81-P	22.62	22.62	0.82	-1.86	744.61	100.000 (1)
5-1-P	22.62	22.62	9.05	-0.39	744.61	82.290 (2)
5-2-P	22.62	22.62	16.94	-0.87	744.61	43.962 (2)
5-3-P	22.62	22.62	29.34	-5.87	744.61	25.381 (2)
5-4-P	22.62	22.62	64.21	0.00	744.61	11.596 (2)
5-5-P	22.62	22.62	104.96	0.00	744.61	7.094 (2)
5-6-P	22.62	22.62	71.68	0.00	744.61	10.388 (2)
5-7-P	22.62	22.62	39.78	-1.38	744.61	18.718 (2)
5-8-P	22.62	22.62	24.92	-0.48	744.61	31.352 (1)
5-9-P	22.62	22.62	36.58	0.00	744.61	66.288 (1)
5-10-P	22.62	22.62	46.46	0.00	744.61	100.000 (1)
5-11-P	22.62	22.62	47.28	0.00	744.61	100.000 (1)
5-12-P	22.62	22.62	48.10	0.00	744.61	100.000 (1)
5-13-P	22.62	22.62	40.39	0.00	744.61	61.747 (1)
5-14-P	22.62	22.62	30.56	0.00	744.61	30.691 (1)
5-15-P	22.62	22.62	43.22	-0.25	744.61	17.229 (2)
5-16-P	22.62	22.62	79.93	0.00	744.61	9.316 (2)
5-17-P	22.62	22.62	116.89	0.00	744.61	6.370 (2)
5-18-P	22.62	22.62	80.36	0.00	744.61	9.266 (2)
5-19-P	22.62	22.62	44.43	-0.61	744.61	16.757 (2)
5-20-P	22.62	22.62	28.86	0.00	744.61	28.336 (1)
5-21-P	22.62	22.62	38.38	0.00	744.61	54.716 (1)
5-22-P	22.62	22.62	45.89	0.00	744.61	100.000 (1)
5-23-P	22.62	22.62	45.37	0.00	-744.61	93.151 (1)
5-24-P	22.62	22.62	44.85	0.00	-744.61	94.293 (1)
5-25-P	22.62	22.62	36.35	0.00	744.61	54.020 (1)
5-26-P	22.62	22.62	26.14	-2.26	744.61	28.482 (2)
5-27-P	22.62	22.62	44.66	-0.38	744.61	16.674 (2)
5-28-P	22.62	22.62	80.98	0.00	744.61	9.195 (2)
5-29-P	22.62	22.62	117.67	0.00	744.61	6.328 (2)
5-30-P	22.62	22.62	80.93	0.00	744.61	9.200 (2)
5-31-P	22.62	22.62	44.70	-0.51	744.61	16.656 (2)
5-32-P	22.62	22.62	26.31	-2.54	744.61	28.303 (2)
5-33-P	22.62	22.62	33.32	0.00	744.61	54.558 (1)
5-34-P	22.62	22.62	41.08	0.00	744.61	100.000 (1)
5-35-P	22.62	22.62	40.89	0.00	-744.61	92.227 (1)
5-36-P	22.62	22.62	40.70	0.00	-744.61	91.537 (1)
5-37-P	22.62	22.62	32.56	0.00	744.61	54.941 (1)
5-38-P	22.62	22.62	26.07	-2.45	744.61	28.557 (2)
5-39-P	22.62	22.62	44.48	-0.46	744.61	16.741 (2)
5-40-P	22.62	22.62	80.72	0.00	744.61	9.225 (2)
5-41-P	22.62	22.62	117.42	0.00	744.61	6.341 (2)
5-42-P	22.62	22.62	80.72	0.00	744.61	9.225 (2)
5-43-P	22.62	22.62	44.48	-0.46	744.61	16.741 (2)
5-44-P	22.62	22.62	26.07	-2.45	744.61	28.557 (2)
5-45-P	22.62	22.62	32.56	0.00	744.61	54.941 (1)
5-46-P	22.62	22.62	40.70	0.00	-744.61	91.537 (1)
5-47-P	22.62	22.62	40.89	0.00	-744.61	92.227 (1)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
5-48-P	22.62	22.62	41.08	0.00	744.61	100.000 (1)
5-49-P	22.62	22.62	33.32	0.00	744.61	54.558 (1)
5-50-P	22.62	22.62	26.31	-2.54	744.61	28.303 (2)
5-51-P	22.62	22.62	44.70	-0.51	744.61	16.656 (2)
5-52-P	22.62	22.62	80.93	0.00	744.61	9.200 (2)
5-53-P	22.62	22.62	117.67	0.00	744.61	6.328 (2)
5-54-P	22.62	22.62	80.98	0.00	744.61	9.195 (2)
5-55-P	22.62	22.62	44.66	-0.38	744.61	16.674 (2)
5-56-P	22.62	22.62	26.14	-2.26	744.61	28.482 (2)
5-57-P	22.62	22.62	36.35	0.00	744.61	54.020 (1)
5-58-P	22.62	22.62	44.85	0.00	-744.61	94.293 (1)
5-59-P	22.62	22.62	45.37	0.00	-744.61	93.151 (1)
5-60-P	22.62	22.62	45.89	0.00	744.61	100.000 (1)
5-61-P	22.62	22.62	38.38	0.00	744.61	54.716 (1)
5-62-P	22.62	22.62	28.86	0.00	744.61	28.336 (1)
5-63-P	22.62	22.62	44.43	-0.61	744.61	16.757 (2)
5-64-P	22.62	22.62	80.36	0.00	744.61	9.266 (2)
5-65-P	22.62	22.62	116.89	0.00	744.61	6.370 (2)
5-66-P	22.62	22.62	79.93	0.00	744.61	9.316 (2)
5-67-P	22.62	22.62	43.22	-0.25	744.61	17.229 (2)
5-68-P	22.62	22.62	30.56	0.00	744.61	30.691 (1)
5-69-P	22.62	22.62	40.39	0.00	744.61	61.747 (1)
5-70-P	22.62	22.62	48.10	0.00	744.61	100.000 (1)
5-71-P	22.62	22.62	47.28	0.00	744.61	100.000 (1)
5-72-P	22.62	22.62	46.46	0.00	744.61	100.000 (1)
5-73-P	22.62	22.62	36.58	0.00	744.61	66.288 (1)
5-74-P	22.62	22.62	24.92	-0.48	744.61	31.352 (1)
5-75-P	22.62	22.62	39.78	-1.38	744.61	18.718 (2)
5-76-P	22.62	22.62	71.68	0.00	744.61	10.388 (2)
5-77-P	22.62	22.62	104.96	0.00	744.61	7.094 (2)
5-78-P	22.62	22.62	64.21	0.00	744.61	11.596 (2)
5-79-P	22.62	22.62	29.34	-5.87	744.61	25.381 (2)
5-80-P	22.62	22.62	16.94	-0.87	744.61	43.962 (2)
5-81-P	22.62	22.62	9.05	-0.39	744.61	82.290 (2)
6-1-P	22.62	22.62	7.47	-16.47	-744.61	36.176 (2)
6-2-P	22.62	22.62	1.01	-12.95	-744.61	46.817 (1)
6-3-P	22.62	22.62	34.92	-20.48	744.61	21.326 (2)
6-4-P	22.62	22.62	0.00	-66.32	744.61	20.407 (1)
6-5-P	22.62	22.62	0.00	-112.57	744.61	9.507 (1)
6-6-P	22.62	22.62	0.00	-60.95	744.61	17.112 (1)
6-7-P	22.62	22.62	40.56	-25.93	744.61	18.358 (2)
6-8-P	22.62	22.62	38.47	-17.14	744.61	19.358 (2)
6-9-P	22.62	22.62	39.43	0.00	744.61	32.759 (1)
6-10-P	22.62	22.62	53.72	0.00	744.61	40.171 (1)
6-11-P	22.62	22.62	54.92	0.00	744.61	39.445 (1)
6-12-P	22.62	22.62	56.12	0.00	744.61	38.745 (1)
6-13-P	22.62	22.62	44.28	0.00	744.61	36.001 (1)
6-14-P	22.62	22.62	32.28	-9.85	744.61	23.068 (2)
6-15-P	22.62	22.62	34.18	-18.02	744.61	21.787 (2)
6-16-P	22.62	22.62	22.07	-24.46	744.61	14.458 (2)
6-17-P	22.62	22.62	0.00	-95.32	744.61	8.465 (1)
6-18-P	22.62	22.62	0.00	-47.68	744.61	15.646 (1)
6-19-P	22.62	22.62	37.53	-21.02	744.61	19.840 (2)
6-20-P	22.62	22.62	35.26	-12.28	744.61	21.120 (2)
6-21-P	22.62	22.62	43.02	0.00	744.61	33.985 (1)
6-22-P	22.62	22.62	54.91	0.00	744.61	36.865 (1)
6-23-P	22.62	22.62	54.35	0.00	744.61	36.836 (1)
6-24-P	22.62	22.62	53.79	0.00	744.61	36.807 (1)
6-25-P	22.62	22.62	40.83	0.00	744.61	34.637 (1)
6-26-P	22.62	22.62	33.79	-10.71	744.61	22.037 (2)
6-27-P	22.62	22.62	35.90	-19.24	744.61	20.742 (2)
6-28-P	22.62	22.62	0.00	-52.76	744.61	14.199 (1)
6-29-P	22.62	22.62	0.00	-101.26	744.61	8.425 (1)
6-30-P	22.62	22.62	0.00	-53.66	744.61	14.126 (1)
6-31-P	22.62	22.62	36.78	-20.24	744.61	20.246 (2)
6-32-P	22.62	22.62	34.48	-11.56	744.61	21.597 (2)
6-33-P	22.62	22.62	37.31	0.00	744.61	34.487 (1)
6-34-P	22.62	22.62	49.42	0.00	744.61	37.250 (1)
6-35-P	22.62	22.62	49.20	0.00	744.61	37.302 (1)
6-36-P	22.62	22.62	48.97	0.00	744.61	37.353 (1)
6-37-P	22.62	22.62	36.40	0.00	744.61	34.823 (1)
6-38-P	22.62	22.62	34.00	-11.25	744.61	21.899 (2)
6-39-P	22.62	22.62	36.27	-19.94	744.61	20.529 (2)
6-40-P	22.62	22.62	0.00	-55.93	744.61	14.221 (1)
6-41-P	22.62	22.62	0.00	-103.99	744.61	8.451 (1)
6-42-P	22.62	22.62	0.00	-55.93	744.61	14.221 (1)
6-43-P	22.62	22.62	36.27	-19.94	744.61	20.529 (2)
6-44-P	22.62	22.62	34.00	-11.25	744.61	21.899 (2)
6-45-P	22.62	22.62	36.40	0.00	744.61	34.823 (1)
6-46-P	22.62	22.62	48.97	0.00	744.61	37.353 (1)
6-47-P	22.62	22.62	49.20	0.00	744.61	37.302 (1)
6-48-P	22.62	22.62	49.42	0.00	744.61	37.250 (1)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
6-49-P	22.62	22.62	37.31	0.00	744.61	34.487 (1)
6-50-P	22.62	22.62	34.48	-11.56	744.61	21.597 (2)
6-51-P	22.62	22.62	36.78	-20.24	744.61	20.246 (2)
6-52-P	22.62	22.62	0.00	-53.66	744.61	14.126 (1)
6-53-P	22.62	22.62	0.00	-101.26	744.61	8.425 (1)
6-54-P	22.62	22.62	0.00	-52.76	744.61	14.199 (1)
6-55-P	22.62	22.62	35.90	-19.24	744.61	20.742 (2)
6-56-P	22.62	22.62	33.79	-10.71	744.61	22.037 (2)
6-57-P	22.62	22.62	40.83	0.00	744.61	34.637 (1)
6-58-P	22.62	22.62	53.79	0.00	744.61	36.807 (1)
6-59-P	22.62	22.62	54.35	0.00	744.61	36.836 (1)
6-60-P	22.62	22.62	54.91	0.00	744.61	36.865 (1)
6-61-P	22.62	22.62	43.02	0.00	744.61	33.985 (1)
6-62-P	22.62	22.62	35.26	-12.28	744.61	21.120 (2)
6-63-P	22.62	22.62	37.53	-21.02	744.61	19.840 (2)
6-64-P	22.62	22.62	0.00	-47.68	744.61	15.646 (1)
6-65-P	22.62	22.62	0.00	-95.32	744.61	8.465 (1)
6-66-P	22.62	22.62	22.07	-24.46	744.61	14.458 (2)
6-67-P	22.62	22.62	34.18	-18.02	744.61	21.787 (2)
6-68-P	22.62	22.62	32.28	-9.85	744.61	23.068 (2)
6-69-P	22.62	22.62	44.28	0.00	744.61	36.001 (1)
6-70-P	22.62	22.62	56.12	0.00	744.61	38.745 (1)
6-71-P	22.62	22.62	54.92	0.00	744.61	39.445 (1)
6-72-P	22.62	22.62	53.72	0.00	744.61	40.171 (1)
6-73-P	22.62	22.62	39.43	0.00	744.61	32.759 (1)
6-74-P	22.62	22.62	38.47	-17.14	744.61	19.358 (2)
6-75-P	22.62	22.62	40.56	-25.93	744.61	18.358 (2)
6-76-P	22.62	22.62	0.00	-60.95	744.61	17.112 (1)
6-77-P	22.62	22.62	0.00	-112.57	744.61	9.507 (1)
6-78-P	22.62	22.62	0.00	-66.32	744.61	20.407 (1)
6-79-P	22.62	22.62	34.92	-20.48	744.61	21.326 (2)
6-80-P	22.62	22.62	1.01	-12.95	-744.61	46.817 (1)
6-81-P	22.62	22.62	7.47	-16.47	-744.61	36.176 (2)
7-1-S	22.62	22.62	0.05	-0.01	745.15	100.000 (1)
7-2-S	22.62	22.62	0.00	-1.27	-745.15	100.000 (1)
7-3-S	22.62	22.62	0.00	-2.58	-745.15	100.000 (1)
7-4-S	22.62	22.62	0.00	-3.89	-745.15	100.000 (1)
7-5-S	22.62	22.62	0.00	-705.10	-745.15	1.057 (2)
7-6-S	22.62	22.62	0.00	-578.34	-745.15	1.288 (2)
7-7-S	22.62	22.62	0.00	-451.57	-745.15	1.650 (2)
7-8-S	22.62	22.62	0.00	-340.36	-745.15	2.189 (2)
7-9-S	22.62	22.62	0.00	-237.58	-745.15	3.136 (2)
7-10-S	22.62	22.62	0.00	-137.02	-745.15	5.438 (2)
7-11-S	22.62	22.62	90.50	0.00	-745.15	17.624 (1)
7-12-S	22.62	22.62	110.12	0.00	745.15	13.812 (1)
7-13-S	22.62	22.62	139.37	0.00	745.15	5.347 (2)
7-14-S	22.62	22.62	224.42	0.00	745.15	3.320 (2)
7-15-S	22.62	22.62	241.55	0.00	745.15	3.085 (2)
7-16-S	22.62	22.62	213.77	-1.40	745.15	3.486 (2)
7-17-S	22.62	22.62	163.36	-4.07	745.15	4.561 (2)
7-18-S	22.62	22.62	78.20	-41.66	745.15	7.623 (2)
7-19-S	22.62	22.62	45.96	-54.87	745.15	10.808 (2)
7-20-S	22.62	22.62	24.49	-20.07	-745.15	22.272 (2)
8-1-S	22.62	22.62	0.00	0.00	745.15	100.000 (1)
8-2-S	22.62	22.62	0.00	-1.29	-745.15	100.000 (1)
8-3-S	22.62	22.62	0.00	-2.58	-745.15	100.000 (1)
8-4-S	22.62	22.62	0.00	-3.88	-745.15	100.000 (1)
8-5-S	22.62	22.62	0.00	-701.42	-745.15	1.062 (2)
8-6-S	22.62	22.62	0.00	-579.37	-745.15	1.286 (2)
8-7-S	22.62	22.62	0.00	-457.33	-745.15	1.629 (2)
8-8-S	22.62	22.62	0.00	-347.31	-745.15	2.145 (2)
8-9-S	22.62	22.62	0.00	-243.80	-745.15	3.056 (2)
8-10-S	22.62	22.62	0.00	-144.41	-745.15	5.160 (2)
8-11-S	22.62	22.62	82.49	0.00	-745.15	13.599 (1)
8-12-S	22.62	22.62	103.17	0.00	745.15	21.352 (1)
8-13-S	22.62	22.62	118.29	0.00	745.15	6.299 (2)
8-14-S	22.62	22.62	201.35	0.00	745.15	3.701 (2)
8-15-S	22.62	22.62	218.64	0.00	745.15	3.408 (2)
8-16-S	22.62	22.62	194.47	-3.37	745.15	3.832 (2)
8-17-S	22.62	22.62	147.07	-7.31	745.15	5.067 (2)
8-18-S	22.62	22.62	69.48	-54.92	745.15	8.172 (2)
8-19-S	22.62	22.62	44.41	-67.90	-745.15	10.974 (2)
8-20-S	22.62	22.62	22.63	-31.14	-745.15	23.932 (2)
9-2-S	22.62	22.62	0.00	-1.29	-745.15	100.000 (1)
9-3-S	22.62	22.62	0.00	-2.58	-745.15	100.000 (1)
9-4-S	22.62	22.62	0.00	-3.87	-745.15	100.000 (1)
9-5-S	22.62	22.62	0.00	-684.27	-745.15	1.089 (2)
9-6-S	22.62	22.62	0.00	-569.21	-745.15	1.309 (2)
9-7-S	22.62	22.62	0.00	-454.14	-745.15	1.641 (2)
9-8-S	22.62	22.62	0.00	-348.85	-745.15	2.136 (2)
9-9-S	22.62	22.62	0.00	-248.85	-745.15	2.994 (2)
9-10-S	22.62	22.62	0.00	-155.55	-745.15	4.790 (2)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
9-11-S	22.62	22.62	0.00	-78.10	-745.15	9.541 (2)
9-12-S	22.62	22.62	81.91	0.00	745.15	100.000 (1)
9-13-S	22.62	22.62	81.88	0.00	745.15	17.075 (1)
9-14-S	22.62	22.62	85.91	0.00	745.15	8.673 (2)
9-15-S	22.62	22.62	100.85	0.00	745.15	7.389 (2)
9-16-S	22.62	22.62	97.12	0.00	745.15	7.673 (2)
9-17-S	22.62	22.62	86.97	0.00	745.15	8.568 (2)
9-18-S	22.62	22.62	56.88	0.00	745.15	13.101 (2)
9-19-S	22.62	22.62	35.71	0.00	745.15	20.869 (2)
9-20-S	22.62	22.62	19.97	0.00	745.15	37.321 (2)
10-2-S	22.62	22.62	0.00	-1.29	-745.15	100.000 (1)
10-3-S	22.62	22.62	0.00	-2.58	-745.15	100.000 (1)
10-4-S	22.62	22.62	0.00	-3.87	-745.15	100.000 (1)
10-5-S	22.62	22.62	0.00	-684.16	-745.15	1.089 (2)
10-6-S	22.62	22.62	0.00	-570.21	-745.15	1.307 (2)
10-7-S	22.62	22.62	0.00	-456.27	-745.15	1.633 (2)
10-8-S	22.62	22.62	0.00	-351.68	-745.15	2.119 (2)
10-9-S	22.62	22.62	0.00	-252.16	-745.15	2.955 (2)
10-10-S	22.62	22.62	0.00	-156.09	-745.15	4.774 (2)
10-11-S	22.62	22.62	0.00	-68.22	-745.15	10.923 (2)
10-12-S	22.62	22.62	92.06	0.00	745.15	37.901 (1)
10-13-S	22.62	22.62	102.16	0.00	745.15	7.294 (2)
10-14-S	22.62	22.62	184.37	0.00	745.15	4.042 (2)
10-15-S	22.62	22.62	203.21	0.00	745.15	3.667 (2)
10-16-S	22.62	22.62	180.54	-1.69	745.15	4.127 (2)
10-17-S	22.62	22.62	136.06	-4.57	745.15	5.477 (2)
10-18-S	22.62	22.62	63.65	-50.93	745.15	8.363 (2)
10-19-S	22.62	22.62	40.65	-63.99	-745.15	8.318 (2)
10-20-S	22.62	22.62	19.08	-28.14	745.15	23.430 (2)
11-2-S	22.62	22.62	0.00	-1.29	-745.15	100.000 (1)
11-3-S	22.62	22.62	0.00	-2.58	-745.15	100.000 (1)
11-4-S	22.62	22.62	0.00	-3.87	-745.15	100.000 (1)
11-5-S	22.62	22.62	0.00	-683.96	-745.15	1.089 (2)
11-6-S	22.62	22.62	0.00	-570.39	-745.15	1.306 (2)
11-7-S	22.62	22.62	0.00	-456.82	-745.15	1.631 (2)
11-8-S	22.62	22.62	0.00	-352.67	-745.15	2.113 (2)
11-9-S	22.62	22.62	0.00	-253.63	-745.15	2.938 (2)
11-10-S	22.62	22.62	0.00	-157.98	-745.15	4.717 (2)
11-11-S	22.62	22.62	0.00	-70.36	-745.15	10.591 (2)
11-12-S	22.62	22.62	87.06	0.00	745.15	42.424 (1)
11-13-S	22.62	22.62	99.84	0.00	745.15	7.464 (2)
11-14-S	22.62	22.62	182.12	0.00	745.15	4.092 (2)
11-15-S	22.62	22.62	201.21	0.00	745.15	3.703 (2)
11-16-S	22.62	22.62	179.68	-2.48	745.15	4.147 (2)
11-17-S	22.62	22.62	136.12	-5.89	745.15	5.474 (2)
11-18-S	22.62	22.62	64.01	-52.08	745.15	8.315 (2)
11-19-S	22.62	22.62	40.95	-64.73	-745.15	9.867 (2)
11-20-S	22.62	22.62	20.07	-29.32	745.15	22.272 (2)
12-2-S	22.62	22.62	0.00	-1.29	-745.15	100.000 (1)
12-3-S	22.62	22.62	0.00	-2.58	-745.15	100.000 (1)
12-4-S	22.62	22.62	0.00	-3.87	-745.15	100.000 (1)
12-5-S	22.62	22.62	0.00	-680.85	-745.15	1.094 (2)
12-6-S	22.62	22.62	0.00	-568.00	-745.15	1.312 (2)
12-7-S	22.62	22.62	0.00	-455.15	-745.15	1.637 (2)
12-8-S	22.62	22.62	0.00	-351.94	-745.15	2.117 (2)
12-9-S	22.62	22.62	0.00	-253.96	-745.15	2.934 (2)
12-10-S	22.62	22.62	0.00	-162.37	-745.15	4.589 (2)
12-11-S	22.62	22.62	0.00	-85.86	-745.15	8.679 (2)
12-12-S	22.62	22.62	67.25	0.00	-745.15	79.715 (1)
12-13-S	22.62	22.62	69.95	0.00	745.15	21.225 (1)
12-14-S	22.62	22.62	77.67	0.00	745.15	9.594 (2)
12-15-S	22.62	22.62	93.50	0.00	745.15	7.970 (2)
12-16-S	22.62	22.62	91.08	0.00	745.15	8.181 (2)
12-17-S	22.62	22.62	82.36	0.00	745.15	9.048 (2)
12-18-S	22.62	22.62	54.00	0.00	745.15	13.799 (2)
12-19-S	22.62	22.62	33.99	0.00	745.15	21.924 (2)
12-20-S	22.62	22.62	19.05	0.00	745.15	39.111 (2)
13-2-S	22.62	22.62	0.00	-1.29	-745.15	100.000 (1)
13-3-S	22.62	22.62	0.00	-2.58	-745.15	100.000 (1)
13-4-S	22.62	22.62	0.00	-3.87	-745.15	100.000 (1)
13-5-S	22.62	22.62	0.00	-686.43	-745.15	1.086 (2)
13-6-S	22.62	22.62	0.00	-572.70	-745.15	1.301 (2)
13-7-S	22.62	22.62	0.00	-458.98	-745.15	1.624 (2)
13-8-S	22.62	22.62	0.00	-354.77	-745.15	2.100 (2)
13-9-S	22.62	22.62	0.00	-255.72	-745.15	2.914 (2)
13-10-S	22.62	22.62	0.00	-160.05	-745.15	4.656 (2)
13-11-S	22.62	22.62	0.00	-72.39	-745.15	10.293 (2)
13-12-S	22.62	22.62	79.83	0.00	745.15	38.463 (1)
13-13-S	22.62	22.62	97.99	0.00	745.15	7.604 (2)
13-14-S	22.62	22.62	180.43	0.00	745.15	4.130 (2)
13-15-S	22.62	22.62	199.75	0.00	745.15	3.730 (2)
13-16-S	22.62	22.62	178.07	-2.04	745.15	4.185 (2)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
13-17-S	22.62	22.62	134.56	-5.22	745.15	5.537 (2)
13-18-S	22.62	22.62	63.15	-51.77	745.15	8.428 (2)
13-19-S	22.62	22.62	40.44	-64.52	-745.15	8.799 (2)
13-20-S	22.62	22.62	19.45	-28.82	745.15	22.989 (2)
14-2-S	22.62	22.62	0.00	-1.29	-745.15	100.000 (1)
14-3-S	22.62	22.62	0.00	-2.58	-745.15	100.000 (1)
14-4-S	22.62	22.62	0.00	-3.87	-745.15	100.000 (1)
14-5-S	22.62	22.62	0.00	-687.45	-745.15	1.084 (2)
14-6-S	22.62	22.62	0.00	-573.64	-745.15	1.299 (2)
14-7-S	22.62	22.62	0.00	-459.82	-745.15	1.621 (2)
14-8-S	22.62	22.62	0.00	-355.54	-745.15	2.096 (2)
14-9-S	22.62	22.62	0.00	-256.42	-745.15	2.906 (2)
14-10-S	22.62	22.62	0.00	-160.69	-745.15	4.637 (2)
14-11-S	22.62	22.62	0.00	-72.96	-745.15	10.213 (2)
14-12-S	22.62	22.62	77.67	0.00	745.15	39.231 (1)
14-13-S	22.62	22.62	97.55	0.00	745.15	7.639 (2)
14-14-S	22.62	22.62	180.06	0.00	745.15	4.138 (2)
14-15-S	22.62	22.62	199.45	0.00	745.15	3.736 (2)
14-16-S	22.62	22.62	178.11	-2.32	745.15	4.184 (2)
14-17-S	22.62	22.62	134.81	-5.64	745.15	5.527 (2)
14-18-S	22.62	22.62	63.39	-52.11	745.15	8.397 (2)
14-19-S	22.62	22.62	40.60	-64.74	-745.15	9.318 (2)
14-20-S	22.62	22.62	19.76	-29.15	745.15	22.631 (2)
15-2-S	22.62	22.62	0.00	-1.29	-745.15	100.000 (1)
15-3-S	22.62	22.62	0.00	-2.58	-745.15	100.000 (1)
15-4-S	22.62	22.62	0.00	-3.87	-745.15	100.000 (1)
15-5-S	22.62	22.62	0.00	-688.82	-745.15	1.090 (2)
15-6-S	22.62	22.62	0.00	-570.73	-745.15	1.306 (2)
15-7-S	22.62	22.62	0.00	-457.64	-745.15	1.628 (2)
15-8-S	22.62	22.62	0.00	-354.23	-745.15	2.104 (2)
15-9-S	22.62	22.62	0.00	-256.07	-745.15	2.910 (2)
15-10-S	22.62	22.62	0.00	-164.30	-745.15	4.535 (2)
15-11-S	22.62	22.62	0.00	-87.61	-745.15	8.505 (2)
15-12-S	22.62	22.62	60.63	0.00	-745.15	68.148 (1)
15-13-S	22.62	22.62	64.30	0.00	745.15	22.107 (1)
15-14-S	22.62	22.62	76.47	0.00	745.15	9.744 (2)
15-15-S	22.62	22.62	92.51	0.00	745.15	8.055 (2)
15-16-S	22.62	22.62	90.31	0.00	745.15	8.251 (2)
15-17-S	22.62	22.62	81.80	0.00	745.15	9.110 (2)
15-18-S	22.62	22.62	53.66	0.00	745.15	13.885 (2)
15-19-S	22.62	22.62	33.80	0.00	745.15	22.043 (2)
15-20-S	22.62	22.62	18.98	0.00	745.15	39.261 (2)
16-2-S	27.14	27.14	0.00	-1.29	-892.70	100.000 (1)
16-3-S	27.14	27.14	0.00	-2.58	-892.70	100.000 (1)
16-4-S	27.14	27.14	0.00	-3.87	-892.70	100.000 (1)
16-5-S	27.14	27.14	0.00	-688.42	-892.70	1.297 (2)
16-6-S	27.14	27.14	0.00	-574.54	-892.70	1.554 (2)
16-7-S	27.14	27.14	0.00	-460.66	-892.70	1.938 (2)
16-8-S	27.14	27.14	0.00	-356.31	-892.70	2.505 (2)
16-9-S	27.14	27.14	0.00	-257.11	-892.70	3.472 (2)
16-10-S	27.14	27.14	0.00	-161.31	-892.70	5.534 (2)
16-11-S	27.14	27.14	0.00	-73.51	-892.70	12.144 (2)
16-12-S	27.14	27.14	75.68	0.00	892.70	48.403 (1)
16-13-S	27.14	27.14	97.14	0.00	892.70	9.190 (2)
16-14-S	27.14	27.14	179.72	0.00	892.70	4.967 (2)
16-15-S	27.14	27.14	199.18	0.00	892.70	4.482 (2)
16-16-S	27.14	27.14	177.80	-2.22	892.70	5.021 (2)
16-17-S	27.14	27.14	134.51	-5.48	892.70	6.636 (2)
16-18-S	27.14	27.14	63.22	-52.02	892.70	10.087 (2)
16-19-S	27.14	27.14	40.50	-64.68	-892.70	11.173 (2)
16-20-S	27.14	27.14	19.62	-29.03	892.70	27.296 (2)
17-2-S	22.62	22.62	0.00	-1.29	-745.15	100.000 (1)
17-3-S	22.62	22.62	0.00	-2.58	-745.15	100.000 (1)
17-4-S	22.62	22.62	0.00	-3.87	-745.15	100.000 (1)
17-5-S	22.62	22.62	0.00	-688.42	-745.15	1.082 (2)
17-6-S	22.62	22.62	0.00	-574.54	-745.15	1.297 (2)
17-7-S	22.62	22.62	0.00	-460.66	-745.15	1.618 (2)
17-8-S	22.62	22.62	0.00	-356.31	-745.15	2.091 (2)
17-9-S	22.62	22.62	0.00	-257.11	-745.15	2.898 (2)
17-10-S	22.62	22.62	0.00	-161.31	-745.15	4.619 (2)
17-11-S	22.62	22.62	0.00	-73.51	-745.15	10.136 (2)
17-12-S	22.62	22.62	75.68	0.00	745.15	40.403 (1)
17-13-S	22.62	22.62	97.14	0.00	745.15	7.671 (2)
17-14-S	22.62	22.62	179.72	0.00	745.15	4.146 (2)
17-15-S	22.62	22.62	199.18	0.00	745.15	3.741 (2)
17-16-S	22.62	22.62	177.80	-2.22	745.15	4.191 (2)
17-17-S	22.62	22.62	134.51	-5.48	745.15	5.540 (2)
17-18-S	22.62	22.62	63.22	-52.02	745.15	8.420 (2)
17-19-S	22.62	22.62	40.50	-64.68	-745.15	9.326 (2)
17-20-S	22.62	22.62	19.62	-29.03	745.15	22.784 (2)
18-2-S	22.62	22.62	0.00	-1.29	-745.15	100.000 (1)
18-3-S	22.62	22.62	0.00	-2.58	-745.15	100.000 (1)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
18-4-S	22.62	22.62	0.00	-3.87	-745.15	100.000 (1)
18-5-S	22.62	22.62	0.00	-683.82	-745.15	1.090 (2)
18-6-S	22.62	22.62	0.00	-570.73	-745.15	1.306 (2)
18-7-S	22.62	22.62	0.00	-457.64	-745.15	1.628 (2)
18-8-S	22.62	22.62	0.00	-354.23	-745.15	2.104 (2)
18-9-S	22.62	22.62	0.00	-256.07	-745.15	2.910 (2)
18-10-S	22.62	22.62	0.00	-164.30	-745.15	4.535 (2)
18-11-S	22.62	22.62	0.00	-87.61	-745.15	8.505 (2)
18-12-S	22.62	22.62	60.63	0.00	-745.15	68.148 (1)
18-13-S	22.62	22.62	64.30	0.00	745.15	22.107 (1)
18-14-S	22.62	22.62	76.47	0.00	745.15	9.744 (2)
18-15-S	22.62	22.62	92.51	0.00	745.15	8.055 (2)
18-16-S	22.62	22.62	90.31	0.00	745.15	8.251 (2)
18-17-S	22.62	22.62	81.80	0.00	745.15	9.110 (2)
18-18-S	22.62	22.62	53.66	0.00	745.15	13.885 (2)
18-19-S	22.62	22.62	33.80	0.00	745.15	22.043 (2)
18-20-S	22.62	22.62	18.98	0.00	745.15	39.261 (2)
19-2-S	22.62	22.62	0.00	-1.29	-745.15	100.000 (1)
19-3-S	22.62	22.62	0.00	-2.58	-745.15	100.000 (1)
19-4-S	22.62	22.62	0.00	-3.87	-745.15	100.000 (1)
19-5-S	22.62	22.62	0.00	-687.45	-745.15	1.084 (2)
19-6-S	22.62	22.62	0.00	-573.64	-745.15	1.299 (2)
19-7-S	22.62	22.62	0.00	-459.82	-745.15	1.621 (2)
19-8-S	22.62	22.62	0.00	-355.54	-745.15	2.096 (2)
19-9-S	22.62	22.62	0.00	-256.42	-745.15	2.906 (2)
19-10-S	22.62	22.62	0.00	-160.69	-745.15	4.637 (2)
19-11-S	22.62	22.62	0.00	-72.96	-745.15	10.213 (2)
19-12-S	22.62	22.62	77.67	0.00	745.15	39.231 (1)
19-13-S	22.62	22.62	97.55	0.00	745.15	7.639 (2)
19-14-S	22.62	22.62	180.06	0.00	745.15	4.138 (2)
19-15-S	22.62	22.62	199.45	0.00	745.15	3.736 (2)
19-16-S	22.62	22.62	178.11	-2.32	745.15	4.184 (2)
19-17-S	22.62	22.62	134.81	-5.64	745.15	5.527 (2)
19-18-S	22.62	22.62	63.39	-52.11	745.15	8.397 (2)
19-19-S	22.62	22.62	40.60	-64.74	-745.15	9.318 (2)
19-20-S	22.62	22.62	19.76	-29.15	745.15	22.631 (2)
20-2-S	22.62	22.62	0.00	-1.29	-745.15	100.000 (1)
20-3-S	22.62	22.62	0.00	-2.58	-745.15	100.000 (1)
20-4-S	22.62	22.62	0.00	-3.87	-745.15	100.000 (1)
20-5-S	22.62	22.62	0.00	-686.43	-745.15	1.086 (2)
20-6-S	22.62	22.62	0.00	-572.70	-745.15	1.301 (2)
20-7-S	22.62	22.62	0.00	-458.98	-745.15	1.624 (2)
20-8-S	22.62	22.62	0.00	-354.77	-745.15	2.100 (2)
20-9-S	22.62	22.62	0.00	-255.72	-745.15	2.914 (2)
20-10-S	22.62	22.62	0.00	-160.05	-745.15	4.656 (2)
20-11-S	22.62	22.62	0.00	-72.39	-745.15	10.293 (2)
20-12-S	22.62	22.62	79.83	0.00	745.15	38.463 (1)
20-13-S	22.62	22.62	97.99	0.00	745.15	7.604 (2)
20-14-S	22.62	22.62	180.43	0.00	745.15	4.130 (2)
20-15-S	22.62	22.62	199.75	0.00	745.15	3.730 (2)
20-16-S	22.62	22.62	178.07	-2.04	745.15	4.185 (2)
20-17-S	22.62	22.62	134.56	-5.22	745.15	5.537 (2)
20-18-S	22.62	22.62	63.15	-51.77	745.15	8.428 (2)
20-19-S	22.62	22.62	40.44	-64.52	-745.15	8.799 (2)
20-20-S	22.62	22.62	19.45	-28.82	745.15	22.989 (2)
21-2-S	22.62	22.62	0.00	-1.29	-745.15	100.000 (1)
21-3-S	22.62	22.62	0.00	-2.58	-745.15	100.000 (1)
21-4-S	22.62	22.62	0.00	-3.87	-745.15	100.000 (1)
21-5-S	22.62	22.62	0.00	-680.85	-745.15	1.094 (2)
21-6-S	22.62	22.62	0.00	-568.00	-745.15	1.312 (2)
21-7-S	22.62	22.62	0.00	-455.15	-745.15	1.637 (2)
21-8-S	22.62	22.62	0.00	-351.94	-745.15	2.117 (2)
21-9-S	22.62	22.62	0.00	-253.96	-745.15	2.934 (2)
21-10-S	22.62	22.62	0.00	-162.37	-745.15	4.589 (2)
21-11-S	22.62	22.62	0.00	-85.86	-745.15	8.679 (2)
21-12-S	22.62	22.62	67.25	0.00	-745.15	79.715 (1)
21-13-S	22.62	22.62	69.95	0.00	745.15	21.225 (1)
21-14-S	22.62	22.62	77.67	0.00	745.15	9.594 (2)
21-15-S	22.62	22.62	93.50	0.00	745.15	7.970 (2)
21-16-S	22.62	22.62	91.08	0.00	745.15	8.181 (2)
21-17-S	22.62	22.62	82.36	0.00	745.15	9.048 (2)
21-18-S	22.62	22.62	54.00	0.00	745.15	13.799 (2)
21-19-S	22.62	22.62	33.99	0.00	745.15	21.924 (2)
21-20-S	22.62	22.62	19.05	0.00	745.15	39.111 (2)
22-2-S	22.62	22.62	0.00	-1.29	-745.15	100.000 (1)
22-3-S	22.62	22.62	0.00	-2.58	-745.15	100.000 (1)
22-4-S	22.62	22.62	0.00	-3.87	-745.15	100.000 (1)
22-5-S	22.62	22.62	0.00	-683.96	-745.15	1.089 (2)
22-6-S	22.62	22.62	0.00	-570.39	-745.15	1.306 (2)
22-7-S	22.62	22.62	0.00	-456.82	-745.15	1.631 (2)
22-8-S	22.62	22.62	0.00	-352.67	-745.15	2.113 (2)
22-9-S	22.62	22.62	0.00	-253.63	-745.15	2.938 (2)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
22-10-S	22.62	22.62	0.00	-157.98	-745.15	4.717 (2)
22-11-S	22.62	22.62	0.00	-70.36	-745.15	10.591 (2)
22-12-S	22.62	22.62	87.06	0.00	745.15	42.424 (1)
22-13-S	22.62	22.62	99.84	0.00	745.15	7.464 (2)
22-14-S	22.62	22.62	182.12	0.00	745.15	4.092 (2)
22-15-S	22.62	22.62	201.21	0.00	745.15	3.703 (2)
22-16-S	22.62	22.62	179.68	-2.48	745.15	4.147 (2)
22-17-S	22.62	22.62	136.12	-5.89	745.15	5.474 (2)
22-18-S	22.62	22.62	64.01	-52.08	745.15	8.315 (2)
22-19-S	22.62	22.62	40.95	-64.73	-745.15	9.867 (2)
22-20-S	22.62	22.62	20.07	-29.32	745.15	22.272 (2)
23-2-S	22.62	22.62	0.00	-1.29	-745.15	100.000 (1)
23-3-S	22.62	22.62	0.00	-2.58	-745.15	100.000 (1)
23-4-S	22.62	22.62	0.00	-3.87	-745.15	100.000 (1)
23-5-S	22.62	22.62	0.00	-684.16	-745.15	1.089 (2)
23-6-S	22.62	22.62	0.00	-570.21	-745.15	1.307 (2)
23-7-S	22.62	22.62	0.00	-456.27	-745.15	1.633 (2)
23-8-S	22.62	22.62	0.00	-351.68	-745.15	2.119 (2)
23-9-S	22.62	22.62	0.00	-252.16	-745.15	2.955 (2)
23-10-S	22.62	22.62	0.00	-156.09	-745.15	4.774 (2)
23-11-S	22.62	22.62	0.00	-68.22	-745.15	10.923 (2)
23-12-S	22.62	22.62	92.06	0.00	745.15	37.901 (1)
23-13-S	22.62	22.62	102.16	0.00	745.15	7.294 (2)
23-14-S	22.62	22.62	184.37	0.00	745.15	4.042 (2)
23-15-S	22.62	22.62	203.21	0.00	745.15	3.667 (2)
23-16-S	22.62	22.62	180.54	-1.69	745.15	4.127 (2)
23-17-S	22.62	22.62	136.06	-4.57	745.15	5.477 (2)
23-18-S	22.62	22.62	63.65	-50.93	745.15	8.363 (2)
23-19-S	22.62	22.62	40.65	-63.99	-745.15	8.318 (2)
23-20-S	22.62	22.62	19.08	-28.14	745.15	23.430 (2)
24-2-S	22.62	22.62	0.00	-1.29	-745.15	100.000 (1)
24-3-S	22.62	22.62	0.00	-2.58	-745.15	100.000 (1)
24-4-S	22.62	22.62	0.00	-3.87	-745.15	100.000 (1)
24-5-S	22.62	22.62	0.00	-684.27	-745.15	1.089 (2)
24-6-S	22.62	22.62	0.00	-569.21	-745.15	1.309 (2)
24-7-S	22.62	22.62	0.00	-454.14	-745.15	1.641 (2)
24-8-S	22.62	22.62	0.00	-348.85	-745.15	2.136 (2)
24-9-S	22.62	22.62	0.00	-248.85	-745.15	2.994 (2)
24-10-S	22.62	22.62	0.00	-155.55	-745.15	4.790 (2)
24-11-S	22.62	22.62	0.00	-78.10	-745.15	9.541 (2)
24-12-S	22.62	22.62	81.91	0.00	745.15	100.000 (1)
24-13-S	22.62	22.62	81.88	0.00	745.15	17.075 (1)
24-14-S	22.62	22.62	85.91	0.00	745.15	8.673 (2)
24-15-S	22.62	22.62	100.85	0.00	745.15	7.389 (2)
24-16-S	22.62	22.62	97.12	0.00	745.15	7.673 (2)
24-17-S	22.62	22.62	86.97	0.00	745.15	8.568 (2)
24-18-S	22.62	22.62	56.88	0.00	745.15	13.101 (2)
24-19-S	22.62	22.62	35.71	0.00	745.15	20.869 (2)
24-20-S	22.62	22.62	19.97	0.00	745.15	37.321 (2)
25-1-S	22.62	22.62	0.00	0.00	745.15	100.000 (1)
25-2-S	22.62	22.62	0.00	-1.29	-745.15	100.000 (1)
25-3-S	22.62	22.62	0.00	-2.58	-745.15	100.000 (1)
25-4-S	22.62	22.62	0.00	-3.88	-745.15	100.000 (1)
25-5-S	22.62	22.62	0.00	-701.42	-745.15	1.062 (2)
25-6-S	22.62	22.62	0.00	-579.37	-745.15	1.286 (2)
25-7-S	22.62	22.62	0.00	-457.33	-745.15	1.629 (2)
25-8-S	22.62	22.62	0.00	-347.31	-745.15	2.145 (2)
25-9-S	22.62	22.62	0.00	-243.80	-745.15	3.056 (2)
25-10-S	22.62	22.62	0.00	-144.41	-745.15	5.160 (2)
25-11-S	22.62	22.62	82.49	0.00	745.15	13.599 (1)
25-12-S	22.62	22.62	103.17	0.00	745.15	21.352 (1)
25-13-S	22.62	22.62	118.29	0.00	745.15	6.299 (2)
25-14-S	22.62	22.62	201.35	0.00	745.15	3.701 (2)
25-15-S	22.62	22.62	218.64	0.00	745.15	3.408 (2)
25-16-S	22.62	22.62	194.47	-3.37	745.15	3.832 (2)
25-17-S	22.62	22.62	147.07	-7.31	745.15	5.067 (2)
25-18-S	22.62	22.62	69.48	-54.92	745.15	8.172 (2)
25-19-S	22.62	22.62	44.41	-67.90	-745.15	10.974 (2)
25-20-S	22.62	22.62	22.63	-31.14	-745.15	23.932 (2)
26-1-S	22.62	22.62	0.05	-0.01	745.15	100.000 (1)
26-2-S	22.62	22.62	0.00	-1.27	-745.15	100.000 (1)
26-3-S	22.62	22.62	0.00	-2.58	-745.15	100.000 (1)
26-4-S	22.62	22.62	0.00	-3.89	-745.15	100.000 (1)
26-5-S	22.62	22.62	0.00	-705.10	-745.15	1.057 (2)
26-6-S	22.62	22.62	0.00	-578.34	-745.15	1.288 (2)
26-7-S	22.62	22.62	0.00	-451.57	-745.15	1.650 (2)
26-8-S	22.62	22.62	0.00	-340.36	-745.15	2.189 (2)
26-9-S	22.62	22.62	0.00	-237.58	-745.15	3.136 (2)
26-10-S	22.62	22.62	0.00	-137.02	-745.15	5.438 (2)
26-11-S	22.62	22.62	90.50	0.00	-745.15	17.624 (1)
26-12-S	22.62	22.62	110.12	0.00	745.15	13.812 (1)
26-13-S	22.62	22.62	139.37	0.00	745.15	5.347 (2)

RELAZIONE DI CALCOLO

Is	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	Mu [kNm]	FS
26-14-S	22.62	22.62	224.42	0.00	745.15	3.320 (2)
26-15-S	22.62	22.62	241.55	0.00	745.15	3.085 (2)
26-16-S	22.62	22.62	213.77	-1.40	745.15	3.486 (2)
26-17-S	22.62	22.62	163.36	-4.07	745.15	4.561 (2)
26-18-S	22.62	22.62	78.20	-41.66	745.15	7.623 (2)
26-19-S	22.62	22.62	45.96	-54.87	745.15	10.808 (2)
26-20-S	22.62	22.62	24.49	-20.07	-745.15	22.272 (2)

Pali in c.a.

Ip	Is	Ar [cmq]	M [kNm]	N [kN]	Mu [kNm]	Nu [kN]	FS
1	1	129.25	1003.13	-329.76	1219.72	-400.96	1.216
2	1	129.25	1003.13	1984.51	1608.76	3182.64	1.604

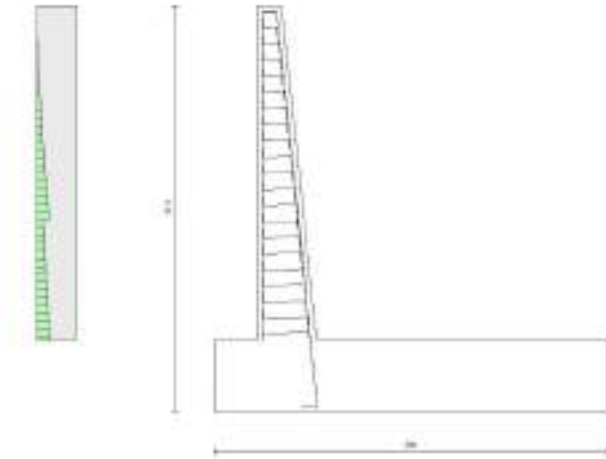


Fig. 11 - Paramento (Inviluppo)

RELAZIONE DI CALCOLO

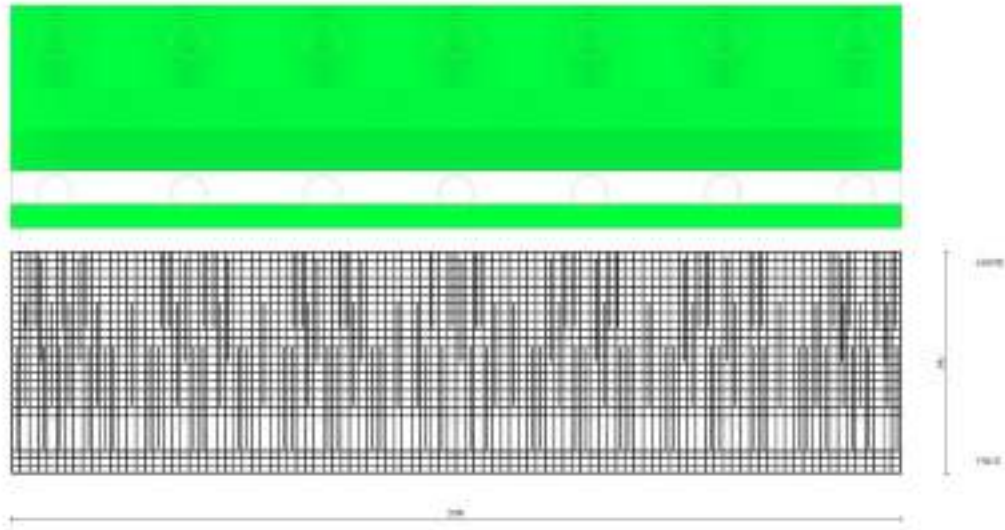


Fig. 12 - Piastra fondazione dir. X (Inviluppo)

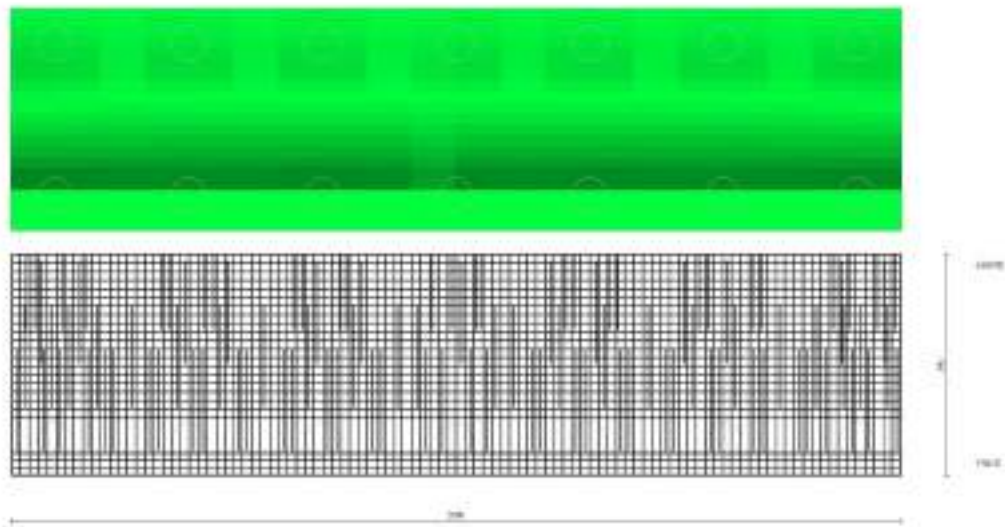


Fig. 13 - Piastra fondazione dir. Y (Inviluppo)

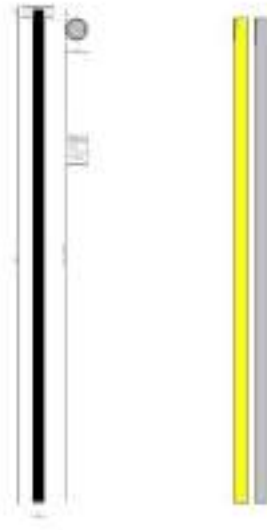


Fig. 14 - Pali (Palo n° 1) (Inviluppo)

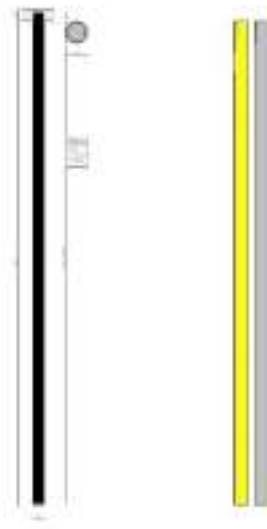


Fig. 15 - Pali (Palo n° 2) (Inviluppo)

Verifiche a taglio

Simbologia adottata

n° (o I_s)	indice sezione
Y	ordinata sezione espressa in [m]
B	larghezza sezione espressa in [cm]
H	altezza sezione espressa in [cm]
A_{sw}	area ferri a taglio espresso in [cm ²]
$\cotg\theta$	inclinazione delle bielle compresse, θ inclinazione dei puntoni di calcestruzzo
V_{Rcd}	resistenza di progetto a 'taglio compressione' espressa in [kN]
V_{Rsd}	resistenza di progetto a 'taglio trazione' espressa in [kN]
V_{Rd}	resistenza di progetto a taglio espresso in [kN]. Per elementi con armature trasversali resistenti al taglio ($A_{sw}>0.0$) $V_{Rd}=\min(V_{Rcd}, V_{Rsd})$.
T	taglio agente espressa in [kN]
FS	fattore di sicurezza (rapporto tra sollecitazione resistente e sollecitazione agente)

Paramento

n°	B [cm]	H [cm]	A _{sw} [cmq]	cotθ	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
1	100	30	0.00	--	0.00	0.00	213.06	0.00	100.000
2	100	31	0.00	--	0.00	0.00	217.06	3.06	71.028
3	100	32	0.00	--	0.00	0.00	220.99	6.17	35.825
4	100	33	0.00	--	0.00	0.00	224.86	9.34	24.081
5	100	34	0.00	--	0.00	0.00	228.68	12.56	18.202
6	100	35	0.00	--	0.00	0.00	232.45	15.85	14.669
7	100	36	0.00	--	0.00	0.00	236.16	19.19	12.309
8	100	37	0.00	--	0.00	0.00	239.83	22.58	10.620
9	100	38	0.00	--	0.00	0.00	243.45	26.03	9.351
10	100	39	0.00	--	0.00	0.00	247.03	29.54	8.361
11	100	40	0.00	--	0.00	0.00	250.57	33.11	7.568
12	100	41	0.00	--	0.00	0.00	254.07	36.73	6.917
13	100	42	0.00	--	0.00	0.00	257.54	40.41	6.373
14	100	44	0.00	--	0.00	0.00	260.97	44.15	5.911
15	100	45	0.00	--	0.00	0.00	264.36	47.94	5.514
16	100	46	0.00	--	0.00	0.00	267.73	51.79	5.169
17	100	47	0.00	--	0.00	0.00	271.06	55.70	4.867
18	100	48	0.00	--	0.00	0.00	274.37	59.66	4.599
19	100	49	0.00	--	0.00	0.00	277.65	63.68	4.360
20	100	50	0.00	--	0.00	0.00	280.90	67.76	4.146
21	100	51	0.00	--	0.00	0.00	284.12	71.89	3.952
22	100	52	0.00	--	0.00	0.00	287.32	76.08	3.777
23	100	53	0.00	--	0.00	0.00	290.50	80.32	3.617
24	100	54	0.00	--	0.00	0.00	293.66	84.63	3.470
25	100	55	0.00	--	0.00	0.00	296.79	88.99	3.335
26	100	56	0.00	--	0.00	0.00	299.90	93.40	3.211
27	100	57	0.00	--	0.00	0.00	302.99	97.88	3.096
28	100	58	0.00	--	0.00	0.00	306.06	102.41	2.989
29	100	59	0.00	--	0.00	0.00	309.11	106.99	2.891
30	100	60	0.00	--	0.00	0.00	312.14	111.64	2.803
31	100	61	0.00	--	0.00	0.00	315.15	116.34	2.725
32	100	62	0.00	--	0.00	0.00	318.13	121.09	2.656
33	100	63	0.00	--	0.00	0.00	321.09	125.91	2.596
34	100	64	0.00	--	0.00	0.00	324.02	130.78	2.545
35	100	65	0.00	--	0.00	0.00	326.93	135.70	2.502
36	100	66	0.00	--	0.00	0.00	329.81	140.68	2.466
37	100	67	0.00	--	0.00	0.00	332.67	145.72	2.436
38	100	68	0.00	--	0.00	0.00	335.50	150.82	2.411
39	100	69	0.00	--	0.00	0.00	338.31	155.97	2.390
40	100	71	0.00	--	0.00	0.00	353.55	161.18	2.193
41	100	72	0.00	--	0.00	0.00	356.51	166.45	2.142
42	100	73	0.00	--	0.00	0.00	359.46	171.77	2.093
43	100	74	0.00	--	0.00	0.00	362.39	177.15	2.046
44	100	75	0.00	--	0.00	0.00	365.04	182.59	1.999

Fondazione

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg(θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
1-1-P	55	90	0.00	2.000	0.00	0.00	198.87	0.09	100.000 (1)
1-2-P	55	90	0.00	2.000	0.00	0.00	198.87	0.09	100.000 (1)
1-3-P	55	90	0.00	2.000	0.00	0.00	198.87	0.09	100.000 (1)
1-4-P	55	90	0.00	2.000	0.00	0.00	198.87	0.09	100.000 (1)
1-5-P	55	90	0.00	2.000	0.00	0.00	198.87	0.04	100.000 (1)
1-6-P	55	90	0.00	2.000	0.00	0.00	198.87	0.04	100.000 (1)
1-7-P	55	90	0.00	2.000	0.00	0.00	198.87	0.04	100.000 (1)
1-8-P	55	90	0.00	2.000	0.00	0.00	198.87	0.04	100.000 (1)
1-9-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-10-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-11-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-12-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-13-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-14-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-15-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-16-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-17-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-18-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-19-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-20-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-21-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-22-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-23-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-24-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-25-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-26-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-27-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
1-28-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-29-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-30-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-31-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-32-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-33-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-34-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-35-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-36-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-37-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-38-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-39-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-40-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-41-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-42-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-43-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-44-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-45-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-46-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-47-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-48-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-49-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-50-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-51-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-52-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-53-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-54-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-55-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-56-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-57-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-58-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-59-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-60-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-61-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-62-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-63-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-64-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-65-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-66-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-67-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-68-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-69-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-70-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-71-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-72-P	55	90	0.00	2.000	0.00	0.00	198.87	0.00	100.000 (1)
1-73-P	55	90	0.00	2.000	0.00	0.00	198.87	0.04	100.000 (1)
1-74-P	55	90	0.00	2.000	0.00	0.00	198.87	0.04	100.000 (1)
1-75-P	55	90	0.00	2.000	0.00	0.00	198.87	0.04	100.000 (1)
1-76-P	55	90	0.00	2.000	0.00	0.00	198.87	0.04	100.000 (1)
1-77-P	55	90	0.00	2.000	0.00	0.00	198.87	0.09	100.000 (1)
1-78-P	55	90	0.00	2.000	0.00	0.00	198.87	0.09	100.000 (1)
1-79-P	55	90	0.00	2.000	0.00	0.00	198.87	0.09	100.000 (1)
1-80-P	55	90	0.00	2.000	0.00	0.00	198.87	0.09	100.000 (1)
1-81-P	55	90	0.00	2.000	0.00	0.00	198.87	0.09	100.000 (1)
3-1-P	93	90	0.00	2.000	0.00	0.00	302.96	45.37	6.677 (1)
3-2-P	93	90	0.00	2.000	0.00	0.00	302.96	45.37	6.677 (1)
3-3-P	93	90	0.00	2.000	0.00	0.00	302.96	45.37	6.677 (1)
3-4-P	93	90	0.00	2.000	0.00	0.00	302.96	45.37	6.677 (1)
3-5-P	93	90	0.00	2.000	0.00	0.00	302.96	25.56	11.853 (1)
3-6-P	93	90	0.00	2.000	0.00	0.00	302.96	25.56	11.853 (1)
3-7-P	93	90	0.00	2.000	0.00	0.00	302.96	25.56	11.853 (1)
3-8-P	93	90	0.00	2.000	0.00	0.00	302.96	25.56	11.853 (1)
3-9-P	93	90	0.00	2.000	0.00	0.00	302.96	6.10	49.655 (1)
3-10-P	93	90	0.00	2.000	0.00	0.00	302.96	6.10	49.655 (1)
3-11-P	93	90	0.00	2.000	0.00	0.00	302.96	6.10	49.655 (1)
3-12-P	93	90	0.00	2.000	0.00	0.00	302.96	0.47	100.000 (1)
3-13-P	93	90	0.00	2.000	0.00	0.00	302.96	6.13	49.448 (1)
3-14-P	93	90	0.00	2.000	0.00	0.00	302.96	6.13	49.448 (1)
3-15-P	93	90	0.00	2.000	0.00	0.00	302.96	6.13	49.448 (1)
3-16-P	93	90	0.00	2.000	0.00	0.00	302.96	1.15	100.000 (1)
3-17-P	93	90	0.00	2.000	0.00	0.00	302.96	5.39	56.196 (1)
3-18-P	93	90	0.00	2.000	0.00	0.00	302.96	5.39	56.196 (1)
3-19-P	93	90	0.00	2.000	0.00	0.00	302.96	5.39	56.196 (1)
3-20-P	93	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
3-21-P	93	90	0.00	2.000	0.00	0.00	302.96	4.17	72.638 (1)
3-22-P	93	90	0.00	2.000	0.00	0.00	302.96	4.17	72.638 (1)
3-23-P	93	90	0.00	2.000	0.00	0.00	302.96	4.17	72.638 (1)
3-24-P	93	90	0.00	2.000	0.00	0.00	302.96	0.88	100.000 (1)
3-25-P	93	90	0.00	2.000	0.00	0.00	302.96	2.85	100.000 (1)
3-26-P	93	90	0.00	2.000	0.00	0.00	302.96	2.85	100.000 (1)
3-27-P	93	90	0.00	2.000	0.00	0.00	302.96	2.85	100.000 (1)
3-28-P	93	90	0.00	2.000	0.00	0.00	302.96	0.66	100.000 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Asw [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
3-29-P	93	90	0.00	2.000	0.00	0.00	302.96	1.90	100.000 (1)
3-30-P	93	90	0.00	2.000	0.00	0.00	302.96	1.90	100.000 (1)
3-31-P	93	90	0.00	2.000	0.00	0.00	302.96	1.90	100.000 (1)
3-32-P	93	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
3-33-P	93	90	0.00	2.000	0.00	0.00	302.96	1.81	100.000 (1)
3-34-P	93	90	0.00	2.000	0.00	0.00	302.96	1.81	100.000 (1)
3-35-P	93	90	0.00	2.000	0.00	0.00	302.96	1.81	100.000 (1)
3-36-P	93	90	0.00	2.000	0.00	0.00	302.96	1.81	100.000 (1)
3-37-P	93	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
3-38-P	93	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
3-39-P	93	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
3-40-P	93	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
3-41-P	93	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
3-42-P	93	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
3-43-P	93	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
3-44-P	93	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
3-45-P	93	90	0.00	2.000	0.00	0.00	302.96	2.24	100.000 (1)
3-46-P	93	90	0.00	2.000	0.00	0.00	302.96	2.24	100.000 (1)
3-47-P	93	90	0.00	2.000	0.00	0.00	302.96	2.24	100.000 (1)
3-48-P	93	90	0.00	2.000	0.00	0.00	302.96	2.24	100.000 (1)
3-49-P	93	90	0.00	2.000	0.00	0.00	302.96	1.90	100.000 (1)
3-50-P	93	90	0.00	2.000	0.00	0.00	302.96	1.90	100.000 (1)
3-51-P	93	90	0.00	2.000	0.00	0.00	302.96	1.90	100.000 (1)
3-52-P	93	90	0.00	2.000	0.00	0.00	302.96	1.90	100.000 (1)
3-53-P	93	90	0.00	2.000	0.00	0.00	302.96	2.85	100.000 (1)
3-54-P	93	90	0.00	2.000	0.00	0.00	302.96	2.85	100.000 (1)
3-55-P	93	90	0.00	2.000	0.00	0.00	302.96	2.85	100.000 (1)
3-56-P	93	90	0.00	2.000	0.00	0.00	302.96	2.85	100.000 (1)
3-57-P	93	90	0.00	2.000	0.00	0.00	302.96	4.17	72.638 (1)
3-58-P	93	90	0.00	2.000	0.00	0.00	302.96	4.17	72.638 (1)
3-59-P	93	90	0.00	2.000	0.00	0.00	302.96	4.17	72.638 (1)
3-60-P	93	90	0.00	2.000	0.00	0.00	302.96	4.17	72.638 (1)
3-61-P	93	90	0.00	2.000	0.00	0.00	302.96	5.39	56.196 (1)
3-62-P	93	90	0.00	2.000	0.00	0.00	302.96	1.15	100.000 (1)
3-63-P	93	90	0.00	2.000	0.00	0.00	302.96	1.15	100.000 (1)
3-64-P	93	90	0.00	2.000	0.00	0.00	302.96	1.15	100.000 (1)
3-65-P	93	90	0.00	2.000	0.00	0.00	302.96	6.13	49.448 (1)
3-66-P	93	90	0.00	2.000	0.00	0.00	302.96	1.23	100.000 (1)
3-67-P	93	90	0.00	2.000	0.00	0.00	302.96	1.23	100.000 (1)
3-68-P	93	90	0.00	2.000	0.00	0.00	302.96	1.23	100.000 (1)
3-69-P	93	90	0.00	2.000	0.00	0.00	302.96	6.10	49.655 (1)
3-70-P	93	90	0.00	2.000	0.00	0.00	302.96	6.10	49.655 (1)
3-71-P	93	90	0.00	2.000	0.00	0.00	302.96	6.10	49.655 (1)
3-72-P	93	90	0.00	2.000	0.00	0.00	302.96	6.10	49.655 (1)
3-73-P	93	90	0.00	2.000	0.00	0.00	302.96	25.56	11.853 (1)
3-74-P	93	90	0.00	2.000	0.00	0.00	302.96	25.56	11.853 (1)
3-75-P	93	90	0.00	2.000	0.00	0.00	302.96	25.56	11.853 (1)
3-76-P	93	90	0.00	2.000	0.00	0.00	302.96	25.56	11.853 (1)
3-77-P	93	90	0.00	2.000	0.00	0.00	302.96	45.37	6.677 (1)
3-78-P	93	90	0.00	2.000	0.00	0.00	302.96	45.37	6.677 (1)
3-79-P	93	90	0.00	2.000	0.00	0.00	302.96	45.37	6.677 (1)
3-80-P	93	90	0.00	2.000	0.00	0.00	302.96	45.37	6.677 (1)
3-81-P	93	90	0.00	2.000	0.00	0.00	302.96	45.37	6.677 (1)
4-1-P	92	90	0.00	2.000	0.00	0.00	302.96	5.06	59.877 (1)
4-2-P	92	90	0.00	2.000	0.00	0.00	302.96	5.06	59.877 (1)
4-3-P	92	90	0.00	2.000	0.00	0.00	302.96	5.06	59.877 (1)
4-4-P	92	90	0.00	2.000	0.00	0.00	302.96	5.06	59.877 (1)
4-5-P	92	90	0.00	2.000	0.00	0.00	302.96	5.88	51.554 (1)
4-6-P	92	90	0.00	2.000	0.00	0.00	302.96	5.88	51.554 (1)
4-7-P	92	90	0.00	2.000	0.00	0.00	302.96	5.88	51.554 (1)
4-8-P	92	90	0.00	2.000	0.00	0.00	302.96	5.88	51.554 (1)
4-9-P	92	90	0.00	2.000	0.00	0.00	302.96	0.81	100.000 (1)
4-10-P	92	90	0.00	2.000	0.00	0.00	302.96	0.81	100.000 (1)
4-11-P	92	90	0.00	2.000	0.00	0.00	302.96	0.81	100.000 (1)
4-12-P	92	90	0.00	2.000	0.00	0.00	302.96	0.81	100.000 (1)
4-13-P	92	90	0.00	2.000	0.00	0.00	302.96	16.20	18.700 (1)
4-14-P	92	90	0.00	2.000	0.00	0.00	302.96	16.20	18.700 (1)
4-15-P	92	90	0.00	2.000	0.00	0.00	302.96	16.20	18.700 (1)
4-16-P	92	90	0.00	2.000	0.00	0.00	302.96	16.20	18.700 (1)
4-17-P	92	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
4-18-P	92	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
4-19-P	92	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
4-20-P	92	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
4-21-P	92	90	0.00	2.000	0.00	0.00	302.96	18.69	16.213 (1)
4-22-P	92	90	0.00	2.000	0.00	0.00	302.96	18.69	16.213 (1)
4-23-P	92	90	0.00	2.000	0.00	0.00	302.96	18.69	16.213 (1)
4-24-P	92	90	0.00	2.000	0.00	0.00	302.96	18.69	16.213 (1)
4-25-P	92	90	0.00	2.000	0.00	0.00	302.96	3.73	81.254 (1)
4-26-P	92	90	0.00	2.000	0.00	0.00	302.96	3.73	81.254 (1)
4-27-P	92	90	0.00	2.000	0.00	0.00	302.96	3.73	81.254 (1)
4-28-P	92	90	0.00	2.000	0.00	0.00	302.96	3.73	81.254 (1)
4-29-P	92	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	A _{sw} [cm ²]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
4-30-P	92	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
4-31-P	92	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
4-32-P	92	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
4-33-P	92	90	0.00	2.000	0.00	0.00	302.96	18.52	16.356 (1)
4-34-P	92	90	0.00	2.000	0.00	0.00	302.96	18.52	16.356 (1)
4-35-P	92	90	0.00	2.000	0.00	0.00	302.96	18.52	16.356 (1)
4-36-P	92	90	0.00	2.000	0.00	0.00	302.96	18.52	16.356 (1)
4-37-P	92	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
4-38-P	92	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
4-39-P	92	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
4-40-P	92	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
4-41-P	92	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
4-42-P	92	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
4-43-P	92	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
4-44-P	92	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
4-45-P	92	90	0.00	2.000	0.00	0.00	302.96	18.02	16.811 (1)
4-46-P	92	90	0.00	2.000	0.00	0.00	302.96	18.02	16.811 (1)
4-47-P	92	90	0.00	2.000	0.00	0.00	302.96	18.02	16.811 (1)
4-48-P	92	90	0.00	2.000	0.00	0.00	302.96	18.02	16.811 (1)
4-49-P	92	90	0.00	2.000	0.00	0.00	302.96	2.56	100.000 (1)
4-50-P	92	90	0.00	2.000	0.00	0.00	302.96	2.56	100.000 (1)
4-51-P	92	90	0.00	2.000	0.00	0.00	302.96	2.56	100.000 (1)
4-52-P	92	90	0.00	2.000	0.00	0.00	302.96	2.56	100.000 (1)
4-53-P	92	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
4-54-P	92	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
4-55-P	92	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
4-56-P	92	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
4-57-P	92	90	0.00	2.000	0.00	0.00	302.96	17.68	17.138 (1)
4-58-P	92	90	0.00	2.000	0.00	0.00	302.96	17.68	17.138 (1)
4-59-P	92	90	0.00	2.000	0.00	0.00	302.96	17.68	17.138 (1)
4-60-P	92	90	0.00	2.000	0.00	0.00	302.96	17.68	17.138 (1)
4-61-P	92	90	0.00	2.000	0.00	0.00	302.96	5.51	54.946 (1)
4-62-P	92	90	0.00	2.000	0.00	0.00	302.96	5.51	54.946 (1)
4-63-P	92	90	0.00	2.000	0.00	0.00	302.96	5.51	54.946 (1)
4-64-P	92	90	0.00	2.000	0.00	0.00	302.96	5.51	54.946 (1)
4-65-P	92	90	0.00	2.000	0.00	0.00	302.96	16.20	18.700 (1)
4-66-P	92	90	0.00	2.000	0.00	0.00	302.96	16.20	18.700 (1)
4-67-P	92	90	0.00	2.000	0.00	0.00	302.96	16.20	18.700 (1)
4-68-P	92	90	0.00	2.000	0.00	0.00	302.96	16.20	18.700 (1)
4-69-P	92	90	0.00	2.000	0.00	0.00	302.96	1.30	100.000 (1)
4-70-P	92	90	0.00	2.000	0.00	0.00	302.96	1.30	100.000 (1)
4-71-P	92	90	0.00	2.000	0.00	0.00	302.96	1.30	100.000 (1)
4-72-P	92	90	0.00	2.000	0.00	0.00	302.96	1.30	100.000 (1)
4-73-P	92	90	0.00	2.000	0.00	0.00	302.96	25.48	11.889 (1)
4-74-P	92	90	0.00	2.000	0.00	0.00	302.96	25.48	11.889 (1)
4-75-P	92	90	0.00	2.000	0.00	0.00	302.96	25.48	11.889 (1)
4-76-P	92	90	0.00	2.000	0.00	0.00	302.96	25.48	11.889 (1)
4-77-P	92	90	0.00	2.000	0.00	0.00	302.96	15.55	19.487 (1)
4-78-P	92	90	0.00	2.000	0.00	0.00	302.96	15.55	19.487 (1)
4-79-P	92	90	0.00	2.000	0.00	0.00	302.96	15.55	19.487 (1)
4-80-P	92	90	0.00	2.000	0.00	0.00	302.96	15.55	19.487 (1)
4-81-P	92	90	0.00	2.000	0.00	0.00	302.96	15.55	19.487 (1)
5-1-P	92	90	0.00	2.000	0.00	0.00	302.96	115.97	2.612 (1)
5-2-P	92	90	0.00	2.000	0.00	0.00	302.96	115.97	2.612 (1)
5-3-P	92	90	0.00	2.000	0.00	0.00	302.96	115.97	2.612 (1)
5-4-P	92	90	0.00	2.000	0.00	0.00	302.96	115.97	2.612 (1)
5-5-P	92	90	0.00	2.000	0.00	0.00	302.96	15.12	20.042 (1)
5-6-P	92	90	0.00	2.000	0.00	0.00	302.96	15.12	20.042 (1)
5-7-P	92	90	0.00	2.000	0.00	0.00	302.96	15.12	20.042 (1)
5-8-P	92	90	0.00	2.000	0.00	0.00	302.96	15.12	20.042 (1)
5-9-P	92	90	0.00	2.000	0.00	0.00	302.96	20.12	15.057 (1)
5-10-P	92	90	0.00	2.000	0.00	0.00	302.96	20.12	15.057 (1)
5-11-P	92	90	0.00	2.000	0.00	0.00	302.96	20.12	15.057 (1)
5-12-P	92	90	0.00	2.000	0.00	0.00	302.96	20.12	15.057 (1)
5-13-P	92	90	0.00	2.000	0.00	0.00	302.96	75.97	3.988 (1)
5-14-P	92	90	0.00	2.000	0.00	0.00	302.96	75.97	3.988 (1)
5-15-P	92	90	0.00	2.000	0.00	0.00	302.96	75.97	3.988 (1)
5-16-P	92	90	0.00	2.000	0.00	0.00	302.96	75.97	3.988 (1)
5-17-P	92	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
5-18-P	92	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
5-19-P	92	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
5-20-P	92	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
5-21-P	92	90	0.00	2.000	0.00	0.00	302.96	78.27	3.871 (1)
5-22-P	92	90	0.00	2.000	0.00	0.00	302.96	78.27	3.871 (1)
5-23-P	92	90	0.00	2.000	0.00	0.00	302.96	78.27	3.871 (1)
5-24-P	92	90	0.00	2.000	0.00	0.00	302.96	78.27	3.871 (1)
5-25-P	92	90	0.00	2.000	0.00	0.00	302.96	18.21	16.638 (1)
5-26-P	92	90	0.00	2.000	0.00	0.00	302.96	18.21	16.638 (1)
5-27-P	92	90	0.00	2.000	0.00	0.00	302.96	18.21	16.638 (1)
5-28-P	92	90	0.00	2.000	0.00	0.00	302.96	18.21	16.638 (1)
5-29-P	92	90	0.00	2.000	0.00	0.00	302.96	17.94	16.885 (1)
5-30-P	92	90	0.00	2.000	0.00	0.00	302.96	17.94	16.885 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
5-31-P	92	90	0.00	2.000	0.00	0.00	302.96	17.94	16.885 (1)
5-32-P	92	90	0.00	2.000	0.00	0.00	302.96	17.94	16.885 (1)
5-33-P	92	90	0.00	2.000	0.00	0.00	302.96	78.17	3.875 (1)
5-34-P	92	90	0.00	2.000	0.00	0.00	302.96	78.17	3.875 (1)
5-35-P	92	90	0.00	2.000	0.00	0.00	302.96	78.17	3.875 (1)
5-36-P	92	90	0.00	2.000	0.00	0.00	302.96	78.17	3.875 (1)
5-37-P	92	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
5-38-P	92	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
5-39-P	92	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
5-40-P	92	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
5-41-P	92	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
5-42-P	92	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
5-43-P	92	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
5-44-P	92	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
5-45-P	92	90	0.00	2.000	0.00	0.00	302.96	77.86	3.891 (1)
5-46-P	92	90	0.00	2.000	0.00	0.00	302.96	77.86	3.891 (1)
5-47-P	92	90	0.00	2.000	0.00	0.00	302.96	77.86	3.891 (1)
5-48-P	92	90	0.00	2.000	0.00	0.00	302.96	77.86	3.891 (1)
5-49-P	92	90	0.00	2.000	0.00	0.00	302.96	2.00	100.000 (1)
5-50-P	92	90	0.00	2.000	0.00	0.00	302.96	2.00	100.000 (1)
5-51-P	92	90	0.00	2.000	0.00	0.00	302.96	2.00	100.000 (1)
5-52-P	92	90	0.00	2.000	0.00	0.00	302.96	2.00	100.000 (1)
5-53-P	92	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
5-54-P	92	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
5-55-P	92	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
5-56-P	92	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
5-57-P	92	90	0.00	2.000	0.00	0.00	302.96	77.70	3.899 (1)
5-58-P	92	90	0.00	2.000	0.00	0.00	302.96	77.70	3.899 (1)
5-59-P	92	90	0.00	2.000	0.00	0.00	302.96	77.70	3.899 (1)
5-60-P	92	90	0.00	2.000	0.00	0.00	302.96	77.70	3.899 (1)
5-61-P	92	90	0.00	2.000	0.00	0.00	302.96	2.51	100.000 (1)
5-62-P	92	90	0.00	2.000	0.00	0.00	302.96	2.51	100.000 (1)
5-63-P	92	90	0.00	2.000	0.00	0.00	302.96	2.51	100.000 (1)
5-64-P	92	90	0.00	2.000	0.00	0.00	302.96	2.51	100.000 (1)
5-65-P	92	90	0.00	2.000	0.00	0.00	302.96	75.97	3.988 (1)
5-66-P	92	90	0.00	2.000	0.00	0.00	302.96	75.97	3.988 (1)
5-67-P	92	90	0.00	2.000	0.00	0.00	302.96	75.97	3.988 (1)
5-68-P	92	90	0.00	2.000	0.00	0.00	302.96	75.97	3.988 (1)
5-69-P	92	90	0.00	2.000	0.00	0.00	302.96	20.12	15.057 (1)
5-70-P	92	90	0.00	2.000	0.00	0.00	302.96	20.12	15.057 (1)
5-71-P	92	90	0.00	2.000	0.00	0.00	302.96	20.12	15.057 (1)
5-72-P	92	90	0.00	2.000	0.00	0.00	302.96	20.12	15.057 (1)
5-73-P	92	90	0.00	2.000	0.00	0.00	302.96	8.11	37.364 (1)
5-74-P	92	90	0.00	2.000	0.00	0.00	302.96	8.11	37.364 (1)
5-75-P	92	90	0.00	2.000	0.00	0.00	302.96	8.11	37.364 (1)
5-76-P	92	90	0.00	2.000	0.00	0.00	302.96	8.11	37.364 (1)
5-77-P	92	90	0.00	2.000	0.00	0.00	302.96	105.30	2.877 (1)
5-78-P	92	90	0.00	2.000	0.00	0.00	302.96	105.30	2.877 (1)
5-79-P	92	90	0.00	2.000	0.00	0.00	302.96	105.30	2.877 (1)
5-80-P	92	90	0.00	2.000	0.00	0.00	302.96	105.30	2.877 (1)
5-81-P	92	90	0.00	2.000	0.00	0.00	302.96	105.30	2.877 (1)
6-1-P	92	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
6-2-P	92	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
6-3-P	92	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
6-4-P	92	90	0.00	2.000	0.00	0.00	302.96	0.00	100.000 (1)
6-5-P	92	90	0.00	2.000	0.00	0.00	302.96	33.51	9.040 (1)
6-6-P	92	90	0.00	2.000	0.00	0.00	302.96	33.51	9.040 (1)
6-7-P	92	90	0.00	2.000	0.00	0.00	302.96	33.51	9.040 (1)
6-8-P	92	90	0.00	2.000	0.00	0.00	302.96	33.51	9.040 (1)
6-9-P	92	90	0.00	2.000	0.00	0.00	302.96	116.83	2.593 (1)
6-10-P	92	90	0.00	2.000	0.00	0.00	302.96	116.83	2.593 (1)
6-11-P	92	90	0.00	2.000	0.00	0.00	302.96	116.83	2.593 (1)
6-12-P	92	90	0.00	2.000	0.00	0.00	302.96	116.83	2.593 (1)
6-13-P	92	90	0.00	2.000	0.00	0.00	302.96	32.74	9.252 (1)
6-14-P	92	90	0.00	2.000	0.00	0.00	302.96	32.74	9.252 (1)
6-15-P	92	90	0.00	2.000	0.00	0.00	302.96	32.74	9.252 (1)
6-16-P	92	90	0.00	2.000	0.00	0.00	302.96	32.74	9.252 (1)
6-17-P	92	90	0.00	2.000	0.00	0.00	302.96	13.16	23.026 (1)
6-18-P	92	90	0.00	2.000	0.00	0.00	302.96	13.16	23.026 (1)
6-19-P	92	90	0.00	2.000	0.00	0.00	302.96	13.16	23.026 (1)
6-20-P	92	90	0.00	2.000	0.00	0.00	302.96	13.16	23.026 (1)
6-21-P	92	90	0.00	2.000	0.00	0.00	302.96	32.17	9.416 (1)
6-22-P	92	90	0.00	2.000	0.00	0.00	302.96	32.17	9.416 (1)
6-23-P	92	90	0.00	2.000	0.00	0.00	302.96	32.17	9.416 (1)
6-24-P	92	90	0.00	2.000	0.00	0.00	302.96	32.17	9.416 (1)
6-25-P	92	90	0.00	2.000	0.00	0.00	302.96	96.38	3.143 (1)
6-26-P	92	90	0.00	2.000	0.00	0.00	302.96	96.38	3.143 (1)
6-27-P	92	90	0.00	2.000	0.00	0.00	302.96	96.38	3.143 (1)
6-28-P	92	90	0.00	2.000	0.00	0.00	302.96	96.38	3.143 (1)
6-29-P	92	90	0.00	2.000	0.00	0.00	302.96	4.00	75.767 (1)
6-30-P	92	90	0.00	2.000	0.00	0.00	302.96	4.00	75.767 (1)
6-31-P	92	90	0.00	2.000	0.00	0.00	302.96	4.00	75.767 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
6-32-P	92	90	0.00	2.000	0.00	0.00	302.96	4.00	75.767 (1)
6-33-P	92	90	0.00	2.000	0.00	0.00	302.96	32.53	9.314 (1)
6-34-P	92	90	0.00	2.000	0.00	0.00	302.96	32.53	9.314 (1)
6-35-P	92	90	0.00	2.000	0.00	0.00	302.96	32.53	9.314 (1)
6-36-P	92	90	0.00	2.000	0.00	0.00	302.96	32.53	9.314 (1)
6-37-P	92	90	0.00	2.000	0.00	0.00	302.96	32.48	9.328 (1)
6-38-P	92	90	0.00	2.000	0.00	0.00	302.96	32.48	9.328 (1)
6-39-P	92	90	0.00	2.000	0.00	0.00	302.96	32.48	9.328 (1)
6-40-P	92	90	0.00	2.000	0.00	0.00	302.96	32.48	9.328 (1)
6-41-P	92	90	0.00	2.000	0.00	0.00	302.96	32.48	9.328 (1)
6-42-P	92	90	0.00	2.000	0.00	0.00	302.96	32.48	9.328 (1)
6-43-P	92	90	0.00	2.000	0.00	0.00	302.96	32.48	9.328 (1)
6-44-P	92	90	0.00	2.000	0.00	0.00	302.96	32.48	9.328 (1)
6-45-P	92	90	0.00	2.000	0.00	0.00	302.96	99.69	3.039 (1)
6-46-P	92	90	0.00	2.000	0.00	0.00	302.96	99.69	3.039 (1)
6-47-P	92	90	0.00	2.000	0.00	0.00	302.96	99.69	3.039 (1)
6-48-P	92	90	0.00	2.000	0.00	0.00	302.96	99.69	3.039 (1)
6-49-P	92	90	0.00	2.000	0.00	0.00	302.96	32.53	9.314 (1)
6-50-P	92	90	0.00	2.000	0.00	0.00	302.96	32.53	9.314 (1)
6-51-P	92	90	0.00	2.000	0.00	0.00	302.96	32.53	9.314 (1)
6-52-P	92	90	0.00	2.000	0.00	0.00	302.96	32.53	9.314 (1)
6-53-P	92	90	0.00	2.000	0.00	0.00	302.96	32.67	9.274 (1)
6-54-P	92	90	0.00	2.000	0.00	0.00	302.96	32.67	9.274 (1)
6-55-P	92	90	0.00	2.000	0.00	0.00	302.96	32.67	9.274 (1)
6-56-P	92	90	0.00	2.000	0.00	0.00	302.96	32.67	9.274 (1)
6-57-P	92	90	0.00	2.000	0.00	0.00	302.96	102.59	2.953 (1)
6-58-P	92	90	0.00	2.000	0.00	0.00	302.96	102.59	2.953 (1)
6-59-P	92	90	0.00	2.000	0.00	0.00	302.96	102.59	2.953 (1)
6-60-P	92	90	0.00	2.000	0.00	0.00	302.96	102.59	2.953 (1)
6-61-P	92	90	0.00	2.000	0.00	0.00	302.96	32.17	9.416 (1)
6-62-P	92	90	0.00	2.000	0.00	0.00	302.96	32.17	9.416 (1)
6-63-P	92	90	0.00	2.000	0.00	0.00	302.96	32.17	9.416 (1)
6-64-P	92	90	0.00	2.000	0.00	0.00	302.96	32.17	9.416 (1)
6-65-P	92	90	0.00	2.000	0.00	0.00	302.96	32.74	9.252 (1)
6-66-P	92	90	0.00	2.000	0.00	0.00	302.96	32.74	9.252 (1)
6-67-P	92	90	0.00	2.000	0.00	0.00	302.96	32.74	9.252 (1)
6-68-P	92	90	0.00	2.000	0.00	0.00	302.96	32.74	9.252 (1)
6-69-P	92	90	0.00	2.000	0.00	0.00	302.96	116.83	2.593 (1)
6-70-P	92	90	0.00	2.000	0.00	0.00	302.96	116.83	2.593 (1)
6-71-P	92	90	0.00	2.000	0.00	0.00	302.96	116.83	2.593 (1)
6-72-P	92	90	0.00	2.000	0.00	0.00	302.96	116.83	2.593 (1)
6-73-P	92	90	0.00	2.000	0.00	0.00	302.96	33.04	9.168 (1)
6-74-P	92	90	0.00	2.000	0.00	0.00	302.96	33.04	9.168 (1)
6-75-P	92	90	0.00	2.000	0.00	0.00	302.96	33.04	9.168 (1)
6-76-P	92	90	0.00	2.000	0.00	0.00	302.96	33.04	9.168 (1)
6-77-P	92	90	0.00	2.000	0.00	0.00	302.96	51.92	5.835 (1)
6-78-P	92	90	0.00	2.000	0.00	0.00	302.96	51.92	5.835 (1)
6-79-P	92	90	0.00	2.000	0.00	0.00	302.96	51.92	5.835 (1)
6-80-P	92	90	0.00	2.000	0.00	0.00	302.96	51.92	5.835 (1)
6-81-P	92	90	0.00	2.000	0.00	0.00	302.96	51.92	5.835 (1)
7-1-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
7-2-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
7-3-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
7-4-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
7-5-S	100	90	9.05	2.500	2540.01	816.76	816.76	476.07	1.716 (1)
7-6-S	100	90	9.05	2.500	2540.01	816.76	816.76	476.07	1.716 (1)
7-7-S	100	90	9.05	2.500	2540.01	816.76	816.76	476.07	1.716 (1)
7-8-S	100	90	9.05	2.500	2540.01	816.76	816.76	476.07	1.716 (1)
7-9-S	100	90	9.05	2.500	2540.01	816.76	816.76	430.83	1.896 (1)
7-10-S	100	90	9.05	2.500	2540.01	816.76	816.76	430.83	1.896 (1)
7-11-S	100	90	9.05	2.500	2540.01	816.76	816.76	430.83	1.896 (1)
7-12-S	100	90	0.00	2.000	0.00	0.00	319.13	86.31	3.697 (1)
7-13-S	100	90	4.52	2.500	2540.01	408.38	408.38	351.57	1.162 (1)
7-14-S	100	90	4.52	2.500	2540.01	408.38	408.38	351.57	1.162 (1)
7-15-S	100	90	4.52	2.500	2540.01	408.38	408.38	283.36	1.441 (1)
7-16-S	100	90	0.00	2.000	0.00	0.00	319.13	79.97	3.990 (1)
7-17-S	100	90	0.00	2.000	0.00	0.00	319.13	79.97	3.990 (1)
7-18-S	100	90	0.00	2.000	0.00	0.00	319.13	79.97	3.990 (1)
7-19-S	100	90	0.00	2.000	0.00	0.00	319.13	252.30	1.265 (1)
7-20-S	100	90	0.00	2.000	0.00	0.00	319.13	252.30	1.265 (1)
8-1-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
8-2-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
8-3-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
8-4-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
8-5-S	100	90	9.05	2.500	2540.01	816.76	816.76	491.22	1.663 (1)
8-6-S	100	90	9.05	2.500	2540.01	816.76	816.76	491.22	1.663 (1)
8-7-S	100	90	9.05	2.500	2540.01	816.76	816.76	491.22	1.663 (1)
8-8-S	100	90	9.05	2.500	2540.01	816.76	816.76	491.22	1.663 (1)
8-9-S	100	90	9.05	2.500	2540.01	816.76	816.76	408.79	1.998 (1)
8-10-S	100	90	9.05	2.500	2540.01	816.76	816.76	408.79	1.998 (1)
8-11-S	100	90	9.05	2.500	2540.01	816.76	816.76	408.79	1.998 (1)
8-12-S	100	90	0.00	2.000	0.00	0.00	319.13	52.96	6.025 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
8-13-S	100	90	4.52	2.500	2540.01	408.38	408.38	338.35	1.207 (1)
8-14-S	100	90	4.52	2.500	2540.01	408.38	408.38	338.35	1.207 (1)
8-15-S	100	90	4.52	2.500	2540.01	408.38	408.38	303.16	1.347 (1)
8-16-S	100	90	0.00	2.000	0.00	0.00	319.13	53.78	5.934 (1)
8-17-S	100	90	0.00	2.000	0.00	0.00	319.13	53.78	5.934 (1)
8-18-S	100	90	0.00	2.000	0.00	0.00	319.13	53.78	5.934 (1)
8-19-S	100	90	0.00	2.000	0.00	0.00	319.13	231.71	1.377 (1)
8-20-S	100	90	0.00	2.000	0.00	0.00	319.13	231.71	1.377 (1)
9-1-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
9-2-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
9-3-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
9-4-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
9-5-S	100	90	9.05	2.500	2540.01	816.76	816.76	464.49	1.758 (1)
9-6-S	100	90	9.05	2.500	2540.01	816.76	816.76	464.49	1.758 (1)
9-7-S	100	90	9.05	2.500	2540.01	816.76	816.76	464.49	1.758 (1)
9-8-S	100	90	9.05	2.500	2540.01	816.76	816.76	464.49	1.758 (1)
9-9-S	100	90	4.52	2.500	2540.01	408.38	408.38	0.00	100.000 (1)
9-10-S	100	90	4.52	2.500	2540.01	408.38	408.38	0.00	100.000 (1)
9-11-S	100	90	0.00	2.000	0.00	0.00	319.13	293.25	1.088 (1)
9-12-S	100	90	0.00	2.000	0.00	0.00	319.13	35.23	9.058 (1)
9-13-S	100	90	0.00	2.000	0.00	0.00	319.13	35.23	9.058 (1)
9-14-S	100	90	0.00	2.000	0.00	0.00	319.13	35.23	9.058 (1)
9-15-S	100	90	0.00	2.000	0.00	0.00	319.13	58.57	5.448 (1)
9-16-S	100	90	0.00	2.000	0.00	0.00	319.13	74.26	4.297 (1)
9-17-S	100	90	0.00	2.000	0.00	0.00	319.13	74.26	4.297 (1)
9-18-S	100	90	0.00	2.000	0.00	0.00	319.13	74.26	4.297 (1)
9-19-S	100	90	0.00	2.000	0.00	0.00	319.13	74.26	4.297 (1)
9-20-S	100	90	0.00	2.000	0.00	0.00	319.13	74.26	4.297 (1)
10-1-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
10-2-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
10-3-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
10-4-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
10-5-S	100	90	9.05	2.500	2540.01	816.76	816.76	462.69	1.765 (1)
10-6-S	100	90	9.05	2.500	2540.01	816.76	816.76	462.69	1.765 (1)
10-7-S	100	90	9.05	2.500	2540.01	816.76	816.76	462.69	1.765 (1)
10-8-S	100	90	9.05	2.500	2540.01	816.76	816.76	462.69	1.765 (1)
10-9-S	100	90	4.52	2.500	2540.01	408.38	408.38	396.58	1.030 (1)
10-10-S	100	90	4.52	2.500	2540.01	408.38	408.38	396.58	1.030 (1)
10-11-S	100	90	4.52	2.500	2540.01	408.38	408.38	396.58	1.030 (1)
10-12-S	100	90	0.00	2.000	0.00	0.00	319.13	47.52	6.715 (1)
10-13-S	100	90	4.52	2.500	2540.01	408.38	408.38	338.66	1.206 (1)
10-14-S	100	90	4.52	2.500	2540.01	408.38	408.38	338.66	1.206 (1)
10-15-S	100	90	4.52	2.500	2540.01	408.38	408.38	302.37	1.351 (1)
10-16-S	100	90	0.00	2.000	0.00	0.00	319.13	52.98	6.024 (1)
10-17-S	100	90	0.00	2.000	0.00	0.00	319.13	52.98	6.024 (1)
10-18-S	100	90	0.00	2.000	0.00	0.00	319.13	52.98	6.024 (1)
10-19-S	100	90	0.00	2.000	0.00	0.00	319.13	231.43	1.379 (1)
10-20-S	100	90	0.00	2.000	0.00	0.00	319.13	231.43	1.379 (1)
11-1-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
11-2-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
11-3-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
11-4-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
11-5-S	100	90	9.05	2.500	2540.01	816.76	816.76	461.24	1.771 (1)
11-6-S	100	90	9.05	2.500	2540.01	816.76	816.76	461.24	1.771 (1)
11-7-S	100	90	9.05	2.500	2540.01	816.76	816.76	461.24	1.771 (1)
11-8-S	100	90	9.05	2.500	2540.01	816.76	816.76	461.24	1.771 (1)
11-9-S	100	90	4.52	2.500	2540.01	408.38	408.38	395.38	1.033 (1)
11-10-S	100	90	4.52	2.500	2540.01	408.38	408.38	395.38	1.033 (1)
11-11-S	100	90	4.52	2.500	2540.01	408.38	408.38	395.38	1.033 (1)
11-12-S	100	90	0.00	2.000	0.00	0.00	319.13	44.12	7.233 (1)
11-13-S	100	90	4.52	2.500	2540.01	408.38	408.38	338.70	1.206 (1)
11-14-S	100	90	4.52	2.500	2540.01	408.38	408.38	338.70	1.206 (1)
11-15-S	100	90	4.52	2.500	2540.01	408.38	408.38	303.06	1.348 (1)
11-16-S	100	90	0.00	2.000	0.00	0.00	319.13	51.87	6.152 (1)
11-17-S	100	90	0.00	2.000	0.00	0.00	319.13	51.87	6.152 (1)
11-18-S	100	90	0.00	2.000	0.00	0.00	319.13	51.87	6.152 (1)
11-19-S	100	90	0.00	2.000	0.00	0.00	319.13	231.86	1.376 (1)
11-20-S	100	90	0.00	2.000	0.00	0.00	319.13	231.86	1.376 (1)
12-1-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
12-2-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
12-3-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
12-4-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
12-5-S	100	90	9.05	2.500	2540.01	816.76	816.76	455.91	1.792 (1)
12-6-S	100	90	9.05	2.500	2540.01	816.76	816.76	455.91	1.792 (1)
12-7-S	100	90	9.05	2.500	2540.01	816.76	816.76	455.91	1.792 (1)
12-8-S	100	90	9.05	2.500	2540.01	816.76	816.76	455.91	1.792 (1)
12-9-S	100	90	4.52	2.500	2540.01	408.38	408.38	0.00	100.000 (1)
12-10-S	100	90	4.52	2.500	2540.01	408.38	408.38	0.00	100.000 (1)
12-11-S	100	90	0.00	2.000	0.00	0.00	319.13	290.48	1.099 (1)
12-12-S	100	90	0.00	2.000	0.00	0.00	319.13	27.90	11.438 (1)
12-13-S	100	90	0.00	2.000	0.00	0.00	319.13	27.90	11.438 (1)
12-14-S	100	90	0.00	2.000	0.00	0.00	319.13	27.90	11.438 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
12-15-S	100	90	0.00	2.000	0.00	0.00	319.13	61.52	5.188 (1)
12-16-S	100	90	0.00	2.000	0.00	0.00	319.13	71.16	4.485 (1)
12-17-S	100	90	0.00	2.000	0.00	0.00	319.13	71.16	4.485 (1)
12-18-S	100	90	0.00	2.000	0.00	0.00	319.13	71.16	4.485 (1)
12-19-S	100	90	0.00	2.000	0.00	0.00	319.13	71.16	4.485 (1)
12-20-S	100	90	0.00	2.000	0.00	0.00	319.13	71.16	4.485 (1)
13-1-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
13-2-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
13-3-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
13-4-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
13-5-S	100	90	9.05	2.500	2540.01	816.76	816.76	461.92	1.768 (1)
13-6-S	100	90	9.05	2.500	2540.01	816.76	816.76	461.92	1.768 (1)
13-7-S	100	90	9.05	2.500	2540.01	816.76	816.76	461.92	1.768 (1)
13-8-S	100	90	9.05	2.500	2540.01	816.76	816.76	461.92	1.768 (1)
13-9-S	100	90	4.52	2.500	2540.01	408.38	408.38	395.77	1.032 (1)
13-10-S	100	90	4.52	2.500	2540.01	408.38	408.38	395.77	1.032 (1)
13-11-S	100	90	4.52	2.500	2540.01	408.38	408.38	395.77	1.032 (1)
13-12-S	100	90	0.00	2.000	0.00	0.00	319.13	41.80	7.635 (1)
13-13-S	100	90	4.52	2.500	2540.01	408.38	408.38	339.21	1.204 (1)
13-14-S	100	90	4.52	2.500	2540.01	408.38	408.38	339.21	1.204 (1)
13-15-S	100	90	4.52	2.500	2540.01	408.38	408.38	303.77	1.344 (1)
13-16-S	100	90	0.00	2.000	0.00	0.00	319.13	51.55	6.190 (1)
13-17-S	100	90	0.00	2.000	0.00	0.00	319.13	51.55	6.190 (1)
13-18-S	100	90	0.00	2.000	0.00	0.00	319.13	51.55	6.190 (1)
13-19-S	100	90	0.00	2.000	0.00	0.00	319.13	232.61	1.372 (1)
13-20-S	100	90	0.00	2.000	0.00	0.00	319.13	232.61	1.372 (1)
14-1-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
14-2-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
14-3-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
14-4-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
14-5-S	100	90	9.05	2.500	2540.01	816.76	816.76	462.26	1.767 (1)
14-6-S	100	90	9.05	2.500	2540.01	816.76	816.76	462.26	1.767 (1)
14-7-S	100	90	9.05	2.500	2540.01	816.76	816.76	462.26	1.767 (1)
14-8-S	100	90	9.05	2.500	2540.01	816.76	816.76	462.26	1.767 (1)
14-9-S	100	90	4.52	2.500	2540.01	408.38	408.38	396.06	1.031 (1)
14-10-S	100	90	4.52	2.500	2540.01	408.38	408.38	396.06	1.031 (1)
14-11-S	100	90	4.52	2.500	2540.01	408.38	408.38	396.06	1.031 (1)
14-12-S	100	90	0.00	2.000	0.00	0.00	319.13	40.73	7.835 (1)
14-13-S	100	90	4.52	2.500	2540.01	408.38	408.38	339.45	1.203 (1)
14-14-S	100	90	4.52	2.500	2540.01	408.38	408.38	339.45	1.203 (1)
14-15-S	100	90	4.52	2.500	2540.01	408.38	408.38	303.99	1.343 (1)
14-16-S	100	90	0.00	2.000	0.00	0.00	319.13	51.40	6.208 (1)
14-17-S	100	90	0.00	2.000	0.00	0.00	319.13	51.40	6.208 (1)
14-18-S	100	90	0.00	2.000	0.00	0.00	319.13	51.40	6.208 (1)
14-19-S	100	90	0.00	2.000	0.00	0.00	319.13	232.68	1.372 (1)
14-20-S	100	90	0.00	2.000	0.00	0.00	319.13	232.68	1.372 (1)
15-1-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
15-2-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
15-3-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
15-4-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
15-5-S	100	90	9.05	2.500	2540.01	816.76	816.76	456.90	1.788 (1)
15-6-S	100	90	9.05	2.500	2540.01	816.76	816.76	456.90	1.788 (1)
15-7-S	100	90	9.05	2.500	2540.01	816.76	816.76	456.90	1.788 (1)
15-8-S	100	90	9.05	2.500	2540.01	816.76	816.76	456.90	1.788 (1)
15-9-S	100	90	4.52	2.500	2540.01	408.38	408.38	0.00	100.000 (1)
15-10-S	100	90	4.52	2.500	2540.01	408.38	408.38	0.00	100.000 (1)
15-11-S	100	90	0.00	2.000	0.00	0.00	319.13	291.20	1.096 (1)
15-12-S	100	90	0.00	2.000	0.00	0.00	319.13	25.51	12.509 (1)
15-13-S	100	90	0.00	2.000	0.00	0.00	319.13	25.51	12.509 (1)
15-14-S	100	90	0.00	2.000	0.00	0.00	319.13	25.51	12.509 (1)
15-15-S	100	90	0.00	2.000	0.00	0.00	319.13	62.18	5.132 (1)
15-16-S	100	90	0.00	2.000	0.00	0.00	319.13	70.85	4.505 (1)
15-17-S	100	90	0.00	2.000	0.00	0.00	319.13	70.85	4.505 (1)
15-18-S	100	90	0.00	2.000	0.00	0.00	319.13	70.85	4.505 (1)
15-19-S	100	90	0.00	2.000	0.00	0.00	319.13	70.85	4.505 (1)
15-20-S	100	90	0.00	2.000	0.00	0.00	319.13	70.85	4.505 (1)
16-1-S	100	90	0.00	2.000	0.00	0.00	339.12	0.00	100.000 (1)
16-2-S	100	90	0.00	2.000	0.00	0.00	339.12	0.00	100.000 (1)
16-3-S	100	90	0.00	2.000	0.00	0.00	339.12	0.00	100.000 (1)
16-4-S	100	90	0.00	2.000	0.00	0.00	339.12	0.00	100.000 (1)
16-5-S	100	90	9.05	2.500	2540.01	816.76	816.76	462.54	1.766 (1)
16-6-S	100	90	9.05	2.500	2540.01	816.76	816.76	462.54	1.766 (1)
16-7-S	100	90	9.05	2.500	2540.01	816.76	816.76	462.54	1.766 (1)
16-8-S	100	90	9.05	2.500	2540.01	816.76	816.76	462.54	1.766 (1)
16-9-S	100	90	4.52	2.500	2540.01	408.38	408.38	396.32	1.030 (1)
16-10-S	100	90	4.52	2.500	2540.01	408.38	408.38	396.32	1.030 (1)
16-11-S	100	90	4.52	2.500	2540.01	408.38	408.38	396.32	1.030 (1)
16-12-S	100	90	0.00	2.000	0.00	0.00	339.12	40.22	8.431 (1)
16-13-S	100	90	0.00	2.000	0.00	0.00	339.12	40.22	8.431 (1)
16-14-S	100	90	0.00	2.000	0.00	0.00	339.12	332.95	1.019 (1)
16-15-S	100	90	0.00	2.000	0.00	0.00	339.12	332.95	1.019 (1)
16-16-S	100	90	0.00	2.000	0.00	0.00	339.12	51.35	6.604 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
16-17-S	100	90	0.00	2.000	0.00	0.00	339.12	51.35	6.604 (1)
16-18-S	100	90	9.05	2.500	2540.01	816.76	816.76	330.34	2.472 (1)
16-19-S	100	90	9.05	2.500	2540.01	816.76	816.76	330.34	2.472 (1)
16-20-S	100	90	9.05	2.500	2540.01	816.76	816.76	330.34	2.472 (1)
17-1-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
17-2-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
17-3-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
17-4-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
17-5-S	100	90	9.05	2.500	2540.01	816.76	816.76	462.54	1.766 (1)
17-6-S	100	90	9.05	2.500	2540.01	816.76	816.76	462.54	1.766 (1)
17-7-S	100	90	9.05	2.500	2540.01	816.76	816.76	462.54	1.766 (1)
17-8-S	100	90	9.05	2.500	2540.01	816.76	816.76	462.54	1.766 (1)
17-9-S	100	90	4.52	2.500	2540.01	408.38	408.38	396.32	1.030 (1)
17-10-S	100	90	4.52	2.500	2540.01	408.38	408.38	396.32	1.030 (1)
17-11-S	100	90	4.52	2.500	2540.01	408.38	408.38	396.32	1.030 (1)
17-12-S	100	90	0.00	2.000	0.00	0.00	319.13	40.22	7.934 (1)
17-13-S	100	90	4.52	2.500	2540.01	408.38	408.38	339.68	1.202 (1)
17-14-S	100	90	4.52	2.500	2540.01	408.38	408.38	339.68	1.202 (1)
17-15-S	100	90	4.52	2.500	2540.01	408.38	408.38	304.20	1.342 (1)
17-16-S	100	90	0.00	2.000	0.00	0.00	319.13	51.35	6.215 (1)
17-17-S	100	90	0.00	2.000	0.00	0.00	319.13	51.35	6.215 (1)
17-18-S	100	90	0.00	2.000	0.00	0.00	319.13	51.35	6.215 (1)
17-19-S	100	90	0.00	2.000	0.00	0.00	319.13	232.81	1.371 (1)
17-20-S	100	90	0.00	2.000	0.00	0.00	319.13	232.81	1.371 (1)
18-1-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
18-2-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
18-3-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
18-4-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
18-5-S	100	90	9.05	2.500	2540.01	816.76	816.76	456.90	1.788 (1)
18-6-S	100	90	9.05	2.500	2540.01	816.76	816.76	456.90	1.788 (1)
18-7-S	100	90	9.05	2.500	2540.01	816.76	816.76	456.90	1.788 (1)
18-8-S	100	90	9.05	2.500	2540.01	816.76	816.76	456.90	1.788 (1)
18-9-S	100	90	4.52	2.500	2540.01	408.38	408.38	0.00	100.000 (1)
18-10-S	100	90	4.52	2.500	2540.01	408.38	408.38	0.00	100.000 (1)
18-11-S	100	90	0.00	2.000	0.00	0.00	319.13	291.20	1.096 (1)
18-12-S	100	90	0.00	2.000	0.00	0.00	319.13	25.51	12.509 (1)
18-13-S	100	90	0.00	2.000	0.00	0.00	319.13	25.51	12.509 (1)
18-14-S	100	90	0.00	2.000	0.00	0.00	319.13	25.51	12.509 (1)
18-15-S	100	90	0.00	2.000	0.00	0.00	319.13	62.18	5.132 (1)
18-16-S	100	90	0.00	2.000	0.00	0.00	319.13	70.85	4.505 (1)
18-17-S	100	90	0.00	2.000	0.00	0.00	319.13	70.85	4.505 (1)
18-18-S	100	90	0.00	2.000	0.00	0.00	319.13	70.85	4.505 (1)
18-19-S	100	90	0.00	2.000	0.00	0.00	319.13	70.85	4.505 (1)
18-20-S	100	90	0.00	2.000	0.00	0.00	319.13	70.85	4.505 (1)
19-1-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
19-2-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
19-3-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
19-4-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
19-5-S	100	90	9.05	2.500	2540.01	816.76	816.76	462.26	1.767 (1)
19-6-S	100	90	9.05	2.500	2540.01	816.76	816.76	462.26	1.767 (1)
19-7-S	100	90	9.05	2.500	2540.01	816.76	816.76	462.26	1.767 (1)
19-8-S	100	90	9.05	2.500	2540.01	816.76	816.76	462.26	1.767 (1)
19-9-S	100	90	4.52	2.500	2540.01	408.38	408.38	396.06	1.031 (1)
19-10-S	100	90	4.52	2.500	2540.01	408.38	408.38	396.06	1.031 (1)
19-11-S	100	90	4.52	2.500	2540.01	408.38	408.38	396.06	1.031 (1)
19-12-S	100	90	0.00	2.000	0.00	0.00	319.13	40.73	7.835 (1)
19-13-S	100	90	4.52	2.500	2540.01	408.38	408.38	339.45	1.203 (1)
19-14-S	100	90	4.52	2.500	2540.01	408.38	408.38	339.45	1.203 (1)
19-15-S	100	90	4.52	2.500	2540.01	408.38	408.38	303.99	1.343 (1)
19-16-S	100	90	0.00	2.000	0.00	0.00	319.13	51.40	6.208 (1)
19-17-S	100	90	0.00	2.000	0.00	0.00	319.13	51.40	6.208 (1)
19-18-S	100	90	0.00	2.000	0.00	0.00	319.13	51.40	6.208 (1)
19-19-S	100	90	0.00	2.000	0.00	0.00	319.13	232.68	1.372 (1)
19-20-S	100	90	0.00	2.000	0.00	0.00	319.13	232.68	1.372 (1)
20-1-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
20-2-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
20-3-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
20-4-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
20-5-S	100	90	9.05	2.500	2540.01	816.76	816.76	461.92	1.768 (1)
20-6-S	100	90	9.05	2.500	2540.01	816.76	816.76	461.92	1.768 (1)
20-7-S	100	90	9.05	2.500	2540.01	816.76	816.76	461.92	1.768 (1)
20-8-S	100	90	9.05	2.500	2540.01	816.76	816.76	461.92	1.768 (1)
20-9-S	100	90	4.52	2.500	2540.01	408.38	408.38	395.77	1.032 (1)
20-10-S	100	90	4.52	2.500	2540.01	408.38	408.38	395.77	1.032 (1)
20-11-S	100	90	4.52	2.500	2540.01	408.38	408.38	395.77	1.032 (1)
20-12-S	100	90	0.00	2.000	0.00	0.00	319.13	41.80	7.635 (1)
20-13-S	100	90	4.52	2.500	2540.01	408.38	408.38	339.21	1.204 (1)
20-14-S	100	90	4.52	2.500	2540.01	408.38	408.38	339.21	1.204 (1)
20-15-S	100	90	4.52	2.500	2540.01	408.38	408.38	303.77	1.344 (1)
20-16-S	100	90	0.00	2.000	0.00	0.00	319.13	51.55	6.190 (1)
20-17-S	100	90	0.00	2.000	0.00	0.00	319.13	51.55	6.190 (1)
20-18-S	100	90	0.00	2.000	0.00	0.00	319.13	51.55	6.190 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg (θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
20-19-S	100	90	0.00	2.000	0.00	0.00	319.13	232.61	1.372 (1)
20-20-S	100	90	0.00	2.000	0.00	0.00	319.13	232.61	1.372 (1)
21-1-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
21-2-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
21-3-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
21-4-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
21-5-S	100	90	9.05	2.500	2540.01	816.76	816.76	455.91	1.792 (1)
21-6-S	100	90	9.05	2.500	2540.01	816.76	816.76	455.91	1.792 (1)
21-7-S	100	90	9.05	2.500	2540.01	816.76	816.76	455.91	1.792 (1)
21-8-S	100	90	9.05	2.500	2540.01	816.76	816.76	455.91	1.792 (1)
21-9-S	100	90	4.52	2.500	2540.01	408.38	408.38	0.00	100.000 (1)
21-10-S	100	90	4.52	2.500	2540.01	408.38	408.38	0.00	100.000 (1)
21-11-S	100	90	0.00	2.000	0.00	0.00	319.13	290.48	1.099 (1)
21-12-S	100	90	0.00	2.000	0.00	0.00	319.13	27.90	11.438 (1)
21-13-S	100	90	0.00	2.000	0.00	0.00	319.13	27.90	11.438 (1)
21-14-S	100	90	0.00	2.000	0.00	0.00	319.13	27.90	11.438 (1)
21-15-S	100	90	0.00	2.000	0.00	0.00	319.13	61.52	5.186 (1)
21-16-S	100	90	0.00	2.000	0.00	0.00	319.13	71.16	4.485 (1)
21-17-S	100	90	0.00	2.000	0.00	0.00	319.13	71.16	4.485 (1)
21-18-S	100	90	0.00	2.000	0.00	0.00	319.13	71.16	4.485 (1)
21-19-S	100	90	0.00	2.000	0.00	0.00	319.13	71.16	4.485 (1)
21-20-S	100	90	0.00	2.000	0.00	0.00	319.13	71.16	4.485 (1)
22-1-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
22-2-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
22-3-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
22-4-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
22-5-S	100	90	9.05	2.500	2540.01	816.76	816.76	461.24	1.771 (1)
22-6-S	100	90	9.05	2.500	2540.01	816.76	816.76	461.24	1.771 (1)
22-7-S	100	90	9.05	2.500	2540.01	816.76	816.76	461.24	1.771 (1)
22-8-S	100	90	9.05	2.500	2540.01	816.76	816.76	461.24	1.771 (1)
22-9-S	100	90	4.52	2.500	2540.01	408.38	408.38	395.38	1.033 (1)
22-10-S	100	90	4.52	2.500	2540.01	408.38	408.38	395.38	1.033 (1)
22-11-S	100	90	4.52	2.500	2540.01	408.38	408.38	395.38	1.033 (1)
22-12-S	100	90	0.00	2.000	0.00	0.00	319.13	44.12	7.233 (1)
22-13-S	100	90	4.52	2.500	2540.01	408.38	408.38	338.70	1.206 (1)
22-14-S	100	90	4.52	2.500	2540.01	408.38	408.38	338.70	1.206 (1)
22-15-S	100	90	4.52	2.500	2540.01	408.38	408.38	303.06	1.348 (1)
22-16-S	100	90	0.00	2.000	0.00	0.00	319.13	51.87	6.152 (1)
22-17-S	100	90	0.00	2.000	0.00	0.00	319.13	51.87	6.152 (1)
22-18-S	100	90	0.00	2.000	0.00	0.00	319.13	51.87	6.152 (1)
22-19-S	100	90	0.00	2.000	0.00	0.00	319.13	231.86	1.376 (1)
22-20-S	100	90	0.00	2.000	0.00	0.00	319.13	231.86	1.376 (1)
23-1-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
23-2-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
23-3-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
23-4-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
23-5-S	100	90	9.05	2.500	2540.01	816.76	816.76	462.69	1.765 (1)
23-6-S	100	90	9.05	2.500	2540.01	816.76	816.76	462.69	1.765 (1)
23-7-S	100	90	9.05	2.500	2540.01	816.76	816.76	462.69	1.765 (1)
23-8-S	100	90	9.05	2.500	2540.01	816.76	816.76	462.69	1.765 (1)
23-9-S	100	90	4.52	2.500	2540.01	408.38	408.38	396.58	1.030 (1)
23-10-S	100	90	4.52	2.500	2540.01	408.38	408.38	396.58	1.030 (1)
23-11-S	100	90	4.52	2.500	2540.01	408.38	408.38	396.58	1.030 (1)
23-12-S	100	90	0.00	2.000	0.00	0.00	319.13	47.52	6.715 (1)
23-13-S	100	90	4.52	2.500	2540.01	408.38	408.38	338.66	1.206 (1)
23-14-S	100	90	4.52	2.500	2540.01	408.38	408.38	338.66	1.206 (1)
23-15-S	100	90	4.52	2.500	2540.01	408.38	408.38	302.37	1.351 (1)
23-16-S	100	90	0.00	2.000	0.00	0.00	319.13	52.98	6.024 (1)
23-17-S	100	90	0.00	2.000	0.00	0.00	319.13	52.98	6.024 (1)
23-18-S	100	90	0.00	2.000	0.00	0.00	319.13	52.98	6.024 (1)
23-19-S	100	90	0.00	2.000	0.00	0.00	319.13	231.43	1.379 (1)
23-20-S	100	90	0.00	2.000	0.00	0.00	319.13	231.43	1.379 (1)
24-1-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
24-2-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
24-3-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
24-4-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
24-5-S	100	90	9.05	2.500	2540.01	816.76	816.76	464.49	1.758 (1)
24-6-S	100	90	9.05	2.500	2540.01	816.76	816.76	464.49	1.758 (1)
24-7-S	100	90	9.05	2.500	2540.01	816.76	816.76	464.49	1.758 (1)
24-8-S	100	90	9.05	2.500	2540.01	816.76	816.76	464.49	1.758 (1)
24-9-S	100	90	4.52	2.500	2540.01	408.38	408.38	0.00	100.000 (1)
24-10-S	100	90	4.52	2.500	2540.01	408.38	408.38	0.00	100.000 (1)
24-11-S	100	90	0.00	2.000	0.00	0.00	319.13	293.25	1.088 (1)
24-12-S	100	90	0.00	2.000	0.00	0.00	319.13	35.23	9.058 (1)
24-13-S	100	90	0.00	2.000	0.00	0.00	319.13	35.23	9.058 (1)
24-14-S	100	90	0.00	2.000	0.00	0.00	319.13	35.23	9.058 (1)
24-15-S	100	90	0.00	2.000	0.00	0.00	319.13	58.57	5.448 (1)
24-16-S	100	90	0.00	2.000	0.00	0.00	319.13	74.26	4.297 (1)
24-17-S	100	90	0.00	2.000	0.00	0.00	319.13	74.26	4.297 (1)
24-18-S	100	90	0.00	2.000	0.00	0.00	319.13	74.26	4.297 (1)
24-19-S	100	90	0.00	2.000	0.00	0.00	319.13	74.26	4.297 (1)
24-20-S	100	90	0.00	2.000	0.00	0.00	319.13	74.26	4.297 (1)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	A _{sw} [cmq]	cotg(θ)	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
25-1-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
25-2-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
25-3-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
25-4-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
25-5-S	100	90	9.05	2.500	2540.01	816.76	816.76	491.22	1.663 (1)
25-6-S	100	90	9.05	2.500	2540.01	816.76	816.76	491.22	1.663 (1)
25-7-S	100	90	9.05	2.500	2540.01	816.76	816.76	491.22	1.663 (1)
25-8-S	100	90	9.05	2.500	2540.01	816.76	816.76	491.22	1.663 (1)
25-9-S	100	90	9.05	2.500	2540.01	816.76	816.76	408.79	1.998 (1)
25-10-S	100	90	9.05	2.500	2540.01	816.76	816.76	408.79	1.998 (1)
25-11-S	100	90	9.05	2.500	2540.01	816.76	816.76	408.79	1.998 (1)
25-12-S	100	90	0.00	2.000	0.00	0.00	319.13	52.96	6.025 (1)
25-13-S	100	90	4.52	2.500	2540.01	408.38	408.38	338.35	1.207 (1)
25-14-S	100	90	4.52	2.500	2540.01	408.38	408.38	338.35	1.207 (1)
25-15-S	100	90	4.52	2.500	2540.01	408.38	408.38	303.16	1.347 (1)
25-16-S	100	90	0.00	2.000	0.00	0.00	319.13	53.78	5.934 (1)
25-17-S	100	90	0.00	2.000	0.00	0.00	319.13	53.78	5.934 (1)
25-18-S	100	90	0.00	2.000	0.00	0.00	319.13	53.78	5.934 (1)
25-19-S	100	90	0.00	2.000	0.00	0.00	319.13	231.71	1.377 (1)
25-20-S	100	90	0.00	2.000	0.00	0.00	319.13	231.71	1.377 (1)
26-1-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
26-2-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
26-3-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
26-4-S	100	90	0.00	2.000	0.00	0.00	319.13	0.00	100.000 (1)
26-5-S	100	90	9.05	2.500	2540.01	816.76	816.76	476.07	1.716 (1)
26-6-S	100	90	9.05	2.500	2540.01	816.76	816.76	476.07	1.716 (1)
26-7-S	100	90	9.05	2.500	2540.01	816.76	816.76	476.07	1.716 (1)
26-8-S	100	90	9.05	2.500	2540.01	816.76	816.76	476.07	1.716 (1)
26-9-S	100	90	9.05	2.500	2540.01	816.76	816.76	430.83	1.896 (1)
26-10-S	100	90	9.05	2.500	2540.01	816.76	816.76	430.83	1.896 (1)
26-11-S	100	90	9.05	2.500	2540.01	816.76	816.76	430.83	1.896 (1)
26-12-S	100	90	0.00	2.000	0.00	0.00	319.13	86.31	3.697 (1)
26-13-S	100	90	4.52	2.500	2540.01	408.38	408.38	351.57	1.162 (1)
26-14-S	100	90	4.52	2.500	2540.01	408.38	408.38	351.57	1.162 (1)
26-15-S	100	90	4.52	2.500	2540.01	408.38	408.38	283.36	1.441 (1)
26-16-S	100	90	0.00	2.000	0.00	0.00	319.13	79.97	3.990 (1)
26-17-S	100	90	0.00	2.000	0.00	0.00	319.13	79.97	3.990 (1)
26-18-S	100	90	0.00	2.000	0.00	0.00	319.13	79.97	3.990 (1)
26-19-S	100	90	0.00	2.000	0.00	0.00	319.13	252.30	1.265 (1)
26-20-S	100	90	0.00	2.000	0.00	0.00	319.13	252.30	1.265 (1)

Pali in c.a.

La verifica a taglio sui pali circolari in c.a. viene eseguita considerando una sezione quadrata inscritta nella circonferenza. Se D è il diametro del palo, il lato della sezione quadrata sulla quale si esegue la verifica è $L = 2^{0.5}/2 D$.

Ip	Is	L [cm]	A _{sw} [cmq]	s [cm]	cotgθ	V _{Rcd} [kN]	V _{Rsd} [kN]	V _{Rd} [kN]	T [kN]	FS
1	1	56.57	2.26	10	2.500	835.66	1007.06	835.66	581.72	1.437
2	1	56.57	2.26	10	2.500	1044.57	1007.06	1007.06	581.72	1.731

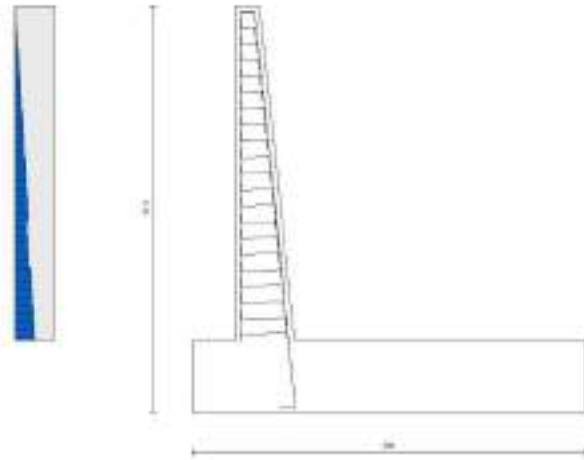


Fig. 16 - Paramento (Inviluppo)

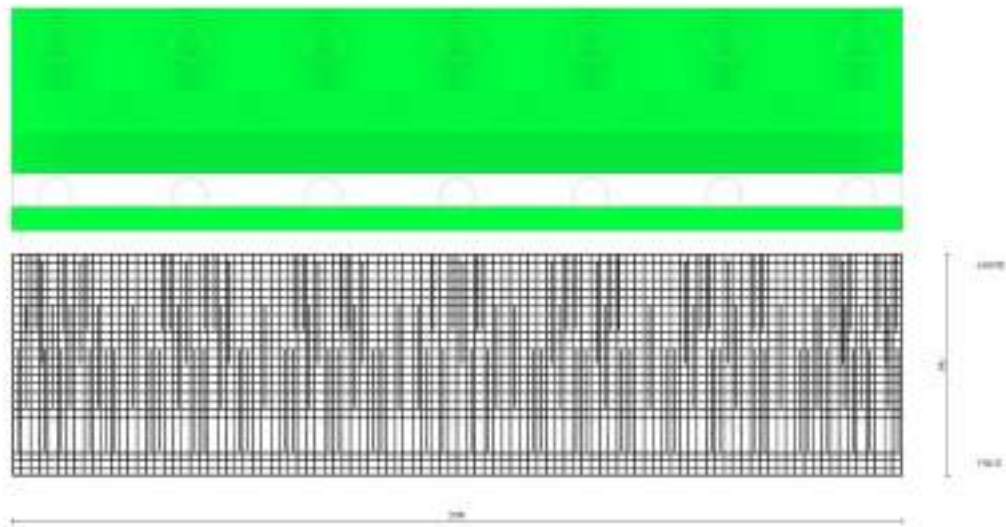


Fig. 17 - Piastra fondazione dir. X (Inviluppo)

RELAZIONE DI CALCOLO

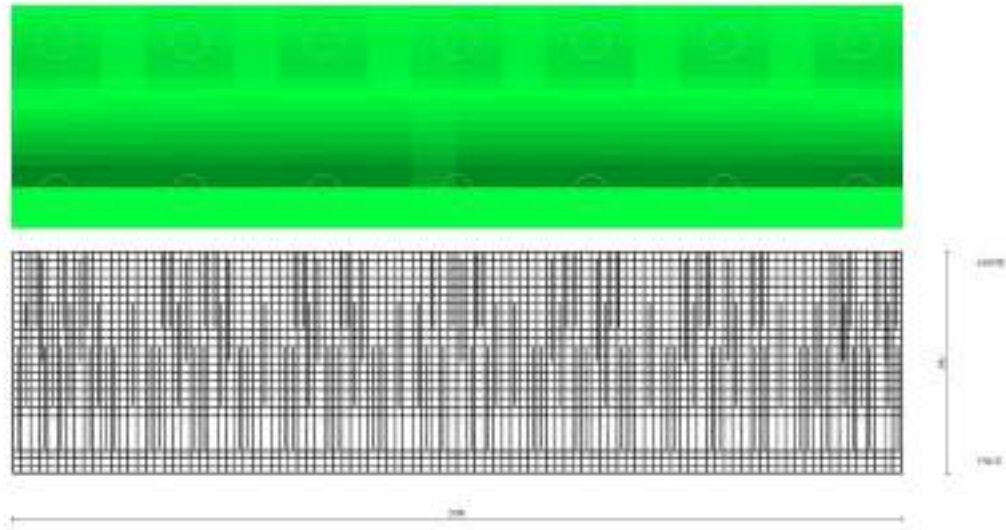


Fig. 18 - Piastra fondazione dir. Y (Inviluppo)

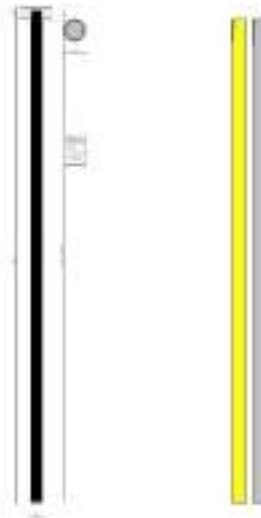


Fig. 19 - Pali (Palo n° 1) (Inviluppo)

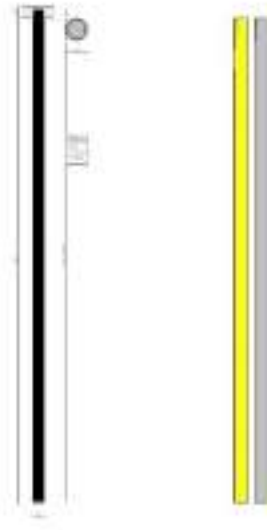


Fig. 20 - Pali (Palo n° 2) (Inviluppo)

Verifica a punzonamento

Simbologia adottata

OP	Oggetto che viene punzonato
P	Oggetto che punzona
c_1, c_2	Dimensioni pilastro nelle due direzioni, espressa in [mm]
d	Altezza utile della fondazione, espressa in [mm]
u_0	Lunghezza perimetro di verifica a faccia pilastro, espresso in [mm]
u_1	Lunghezza perimetro di verifica per effetto della diffusione, espresso in [mm]
ρ_y, ρ_z	Percentuali di armatura piastra in zona tesa
dpc, duc	distanza della prima e dell'ultima cucitura dalla faccia del pilastro
$V_{Ed,i}$	Tensione di taglio sul perimetro del pilastro, espressa in [kPa]
$V_{Rd,max}$	Valore di progetto del massimo taglio-punzonamento resistente, espressa in [kPa]
$V_{Ed,f}$	Tensione di taglio sul perimetro di verifica u_1 , espresso in [kPa]
$V_{Rd,cf}$	Valore di progetto del taglio-punzonamento resistente senza armature sul perimetro di verifica u_1 , espresso in [kPa]
$V_{Rd,cs}$	Valore di progetto del taglio-punzonamento resistente con armature, espresso in [kPa]
nsc	Numero di serie di cuciture
nc	Numero di cuciture
FS	Fattore di sicurezza (minore tra i rapporti $V_{Rd,max}/V_{Ed,i}$, $V_{Rd,cf}/V_{Ed,f}$ e $V_{Rd,cs}/V_{Ed,f}$)

Verifica delle tensioni

Simbologia adottata

n°	indice sezione
Y	ordinata sezione, espressa in [m]
B	larghezza sezione, espresso in [cm]
H	altezza sezione, espressa in [cm]
Afi	area ferri inferiori, espresso in [cm ²]
Afs	area ferri superiori, espressa in [cm ²]
M	momento agente, espressa in [kNm]
N	sforzo normale agente, espressa in [kN]
σ_c	tensione di compressione nel cls, espressa in [kPa]
σ_{fi}	tensione nei ferri inferiori, espressa in [kPa]
σ_{fs}	tensione nei ferri superiori, espressa in [kPa]

RELAZIONE DI CALCOLO

10.2.5 Combinazioni SLER

Paramento

Tensione massima di compressione nel calcestruzzo 19920 [kPa]
Tensione massima di trazione dell'acciaio 360000 [kPa]

n°	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	M [kNm]	N [kN]	σc [kPa]	σfi [kPa]	σfs [kPa]
1	100	30	18.10	22.62	-0.45	3.00	46 (5)	324 (5)	469 (5)
2	100	31	18.10	22.62	-0.40	3.74	37 (5)	331 (5)	176 (5)
3	100	32	18.10	22.62	-0.29	4.50	26 (5)	292 (5)	53 (5)
4	100	33	18.10	22.62	-0.11	5.29	18 (5)	241 (5)	163 (5)
5	100	34	18.10	22.62	0.15	6.11	22 (5)	168 (5)	289 (5)
6	100	35	18.10	22.62	0.49	6.95	38 (5)	67 (5)	439 (5)
7	100	36	18.10	22.62	0.91	7.81	61 (5)	211 (5)	632 (5)
8	100	37	18.10	22.62	1.42	8.71	90 (5)	715 (5)	850 (5)
9	100	38	18.10	22.62	2.03	9.62	121 (5)	1370 (5)	1081 (5)
10	100	39	18.10	22.62	2.73	10.56	155 (5)	2139 (5)	1327 (5)
11	100	40	18.10	22.62	3.54	11.53	191 (5)	3006 (5)	1590 (5)
12	100	41	18.10	22.62	4.46	12.52	228 (5)	3964 (5)	1870 (5)
13	100	42	18.10	22.62	5.49	13.54	267 (5)	5008 (5)	2167 (5)
14	100	44	18.10	22.62	6.64	14.58	308 (5)	6135 (5)	2482 (5)
15	100	45	18.10	22.62	7.91	15.64	349 (5)	7343 (5)	2814 (5)
16	100	46	18.10	22.62	9.31	16.74	392 (5)	8631 (5)	3163 (5)
17	100	47	18.10	22.62	10.84	17.85	437 (5)	9997 (5)	3529 (5)
18	100	48	18.10	22.62	12.51	19.00	482 (5)	11440 (5)	3911 (5)
19	100	49	18.10	22.62	14.32	20.16	529 (5)	12958 (5)	4309 (5)
20	100	50	18.10	22.62	16.28	21.36	577 (5)	14551 (5)	4723 (5)
21	100	51	18.10	22.62	18.39	22.57	625 (5)	16218 (5)	5151 (5)
22	100	52	18.10	22.62	20.65	23.82	675 (5)	17959 (5)	5595 (5)
23	100	53	18.10	22.62	23.08	25.08	726 (5)	19772 (5)	6054 (5)
24	100	54	18.10	22.62	25.67	26.38	778 (5)	21657 (5)	6527 (5)
25	100	55	18.10	22.62	28.43	27.70	830 (5)	23614 (5)	7013 (5)
26	100	56	18.10	22.62	31.37	29.04	884 (5)	25642 (5)	7514 (5)
27	100	57	18.10	22.62	34.48	30.41	938 (5)	27741 (5)	8028 (5)
28	100	58	18.10	22.62	37.78	31.80	993 (5)	29910 (5)	8555 (5)
29	100	59	18.10	45.24	41.27	33.22	844 (5)	16848 (5)	8565 (5)
30	100	60	18.10	45.24	44.96	34.67	889 (5)	18045 (5)	9061 (5)
31	100	61	18.10	45.24	48.84	36.14	934 (5)	19279 (5)	9567 (5)
32	100	62	18.10	45.24	52.93	37.63	980 (5)	20548 (5)	10082 (5)
33	100	63	18.10	45.24	57.23	39.15	1026 (5)	21852 (5)	10606 (5)
34	100	64	18.10	45.24	61.74	40.70	1073 (5)	23191 (5)	11139 (5)
35	100	65	0.00	45.24	66.46	42.27	1245 (5)	24921 (5)	0 (5)
36	100	66	0.00	45.24	71.41	43.86	1298 (5)	26351 (5)	0 (5)
37	100	67	0.00	45.24	76.59	45.48	1351 (5)	27816 (5)	0 (5)
38	100	68	0.00	45.24	82.00	47.13	1404 (5)	29317 (5)	0 (5)
39	100	69	0.00	45.24	87.65	48.80	1458 (5)	30852 (5)	0 (5)
40	100	71	0.00	45.24	93.54	50.50	1513 (5)	32423 (5)	0 (5)
41	100	72	0.00	45.24	99.67	52.22	1568 (5)	34028 (5)	0 (5)
42	100	73	0.00	45.24	106.06	53.96	1623 (5)	35668 (5)	0 (5)
43	100	74	0.00	45.24	112.70	55.73	1679 (5)	37343 (5)	0 (5)
44	100	75	0.00	45.24	119.61	57.53	1740 (5)	39124 (5)	0 (5)

Piastra fondazione

Tensione massima di compressione nel calcestruzzo 19920 [kPa]
Tensione massima di trazione dell'acciaio 360000 [kPa]

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
1-1-P	55	90	18.10	18.10	0.03	-0.23	3 (5)	98 (5)	157 (5)
1-2-P	55	90	18.10	18.10	0.02	-0.24	4 (5)	68 (5)	166 (5)
1-3-P	55	90	18.10	18.10	0.01	-0.26	4 (5)	49 (5)	175 (5)
1-4-P	55	90	18.10	18.10	0.00	-0.27	4 (5)	53 (5)	186 (5)
1-5-P	55	90	18.10	18.10	0.00	-0.30	4 (5)	57 (5)	203 (5)
1-6-P	55	90	18.10	18.10	0.00	-0.30	5 (5)	58 (5)	206 (5)
1-7-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	59 (5)	209 (5)
1-8-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-9-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-10-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-11-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
1-12-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-13-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-14-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-15-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-16-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-17-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-18-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-19-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-20-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-21-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-22-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-23-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-24-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-25-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-26-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-27-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-28-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-29-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-30-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-31-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-32-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-33-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-34-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-35-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-36-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-37-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-38-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-39-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-40-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-41-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-42-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-43-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-44-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-45-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-46-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-47-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-48-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-49-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-50-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-51-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-52-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-53-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-54-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-55-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-56-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-57-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-58-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-59-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-60-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-61-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-62-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-63-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-64-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-65-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-66-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-67-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-68-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-69-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-70-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-71-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-72-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-73-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-74-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-75-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	59 (5)	209 (5)
1-76-P	55	90	18.10	18.10	0.00	-0.30	5 (5)	58 (5)	206 (5)
1-77-P	55	90	18.10	18.10	0.00	-0.30	4 (5)	57 (5)	203 (5)
1-78-P	55	90	18.10	18.10	0.00	-0.27	4 (5)	53 (5)	186 (5)
1-79-P	55	90	18.10	18.10	0.01	-0.26	4 (5)	49 (5)	175 (5)
1-80-P	55	90	18.10	18.10	0.02	-0.24	4 (5)	68 (5)	166 (5)
1-81-P	55	90	18.10	18.10	0.03	-0.23	3 (5)	98 (5)	157 (5)
3-1-P	93	90	22.62	22.62	1.67	-13.99	153 (8)	2123 (8)	7978 (8)
3-2-P	93	90	22.62	22.62	0.28	-15.57	170 (8)	2152 (8)	8881 (8)
3-3-P	93	90	22.62	22.62	0.00	-18.26	190 (8)	2404 (8)	9920 (8)
3-4-P	93	90	22.62	22.62	0.02	-20.55	213 (8)	2705 (8)	11162 (8)
3-5-P	93	90	22.62	22.62	0.04	-22.84	237 (8)	3007 (8)	12407 (8)
3-6-P	93	90	22.62	22.62	0.06	-23.61	245 (8)	3109 (8)	12829 (8)
3-7-P	93	90	22.62	22.62	0.07	-24.39	253 (8)	3211 (8)	13252 (8)
3-8-P	93	90	22.62	22.62	0.08	-24.99	260 (8)	3290 (8)	13576 (8)
3-9-P	93	90	22.62	22.62	0.07	-25.46	264 (8)	3353 (8)	13834 (8)
3-10-P	93	90	22.62	22.62	0.05	-25.92	269 (8)	3413 (8)	14083 (8)
3-11-P	93	90	22.62	22.62	0.02	-26.33	273 (8)	3467 (8)	14307 (8)
3-12-P	93	90	22.62	22.62	0.00	-26.75	278 (8)	3521 (8)	14531 (8)

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
3-13-P	93	90	22.62	22.62	0.00	-27.13	282 (8)	3572 (8)	14741 (8)
3-14-P	93	90	22.62	22.62	0.00	-27.51	286 (8)	3622 (8)	14944 (8)
3-15-P	93	90	22.62	22.62	0.00	-27.92	290 (8)	3675 (8)	15166 (8)
3-16-P	93	90	22.62	22.62	0.00	-28.37	295 (8)	3736 (8)	15415 (8)
3-17-P	93	90	22.62	22.62	0.00	-28.83	299 (8)	3796 (8)	15664 (8)
3-18-P	93	90	22.62	22.62	0.00	-29.48	306 (8)	3881 (8)	16016 (8)
3-19-P	93	90	22.62	22.62	0.00	-30.13	313 (8)	3967 (8)	16368 (8)
3-20-P	93	90	22.62	22.62	0.00	-30.77	320 (8)	4052 (8)	16719 (8)
3-21-P	93	90	22.62	22.62	0.00	-31.42	326 (8)	4136 (8)	17068 (8)
3-22-P	93	90	22.62	22.62	0.00	-32.01	332 (8)	4214 (8)	17390 (8)
3-23-P	93	90	22.62	22.62	0.00	-32.40	336 (8)	4266 (8)	17604 (8)
3-24-P	93	90	22.62	22.62	0.00	-32.80	341 (8)	4318 (8)	17819 (8)
3-25-P	93	90	22.62	22.62	0.00	-32.99	343 (8)	4344 (8)	17925 (8)
3-26-P	93	90	22.62	22.62	0.00	-33.14	344 (8)	4363 (8)	18004 (8)
3-27-P	93	90	22.62	22.62	0.00	-33.28	346 (8)	4382 (8)	18082 (8)
3-28-P	93	90	22.62	22.62	0.00	-33.42	347 (8)	4400 (8)	18157 (8)
3-29-P	93	90	22.62	22.62	0.00	-33.56	348 (8)	4419 (8)	18232 (8)
3-30-P	93	90	22.62	22.62	0.00	-33.87	352 (8)	4459 (8)	18398 (8)
3-31-P	93	90	22.62	22.62	0.00	-34.17	355 (8)	4499 (8)	18563 (8)
3-32-P	93	90	22.62	22.62	0.00	-34.48	358 (8)	4540 (8)	18732 (8)
3-33-P	93	90	22.62	22.62	0.00	-34.79	361 (8)	4581 (8)	18902 (8)
3-34-P	93	90	22.62	22.62	0.00	-35.06	364 (8)	4616 (8)	19048 (8)
3-35-P	93	90	22.62	22.62	0.00	-35.16	365 (8)	4629 (8)	19100 (8)
3-36-P	93	90	22.62	22.62	0.00	-35.25	366 (8)	4641 (8)	19151 (8)
3-37-P	93	90	22.62	22.62	0.00	-35.17	365 (8)	4631 (8)	19109 (8)
3-38-P	93	90	22.62	22.62	0.00	-35.06	364 (8)	4615 (8)	19045 (8)
3-39-P	93	90	22.62	22.62	0.00	-34.95	363 (8)	4601 (8)	18985 (8)
3-40-P	93	90	22.62	22.62	0.00	-34.85	362 (8)	4588 (8)	18933 (8)
3-41-P	93	90	22.62	22.62	0.00	-34.76	361 (8)	4576 (8)	18881 (8)
3-42-P	93	90	22.62	22.62	0.00	-34.85	362 (8)	4588 (8)	18933 (8)
3-43-P	93	90	22.62	22.62	0.00	-34.95	363 (8)	4601 (8)	18985 (8)
3-44-P	93	90	22.62	22.62	0.00	-35.06	364 (8)	4615 (8)	19045 (8)
3-45-P	93	90	22.62	22.62	0.00	-35.17	365 (8)	4631 (8)	19109 (8)
3-46-P	93	90	22.62	22.62	0.00	-35.25	366 (8)	4641 (8)	19151 (8)
3-47-P	93	90	22.62	22.62	0.00	-35.16	365 (8)	4629 (8)	19100 (8)
3-48-P	93	90	22.62	22.62	0.00	-35.06	364 (8)	4616 (8)	19048 (8)
3-49-P	93	90	22.62	22.62	0.00	-34.79	361 (8)	4581 (8)	18902 (8)
3-50-P	93	90	22.62	22.62	0.00	-34.48	358 (8)	4540 (8)	18732 (8)
3-51-P	93	90	22.62	22.62	0.00	-34.17	355 (8)	4499 (8)	18563 (8)
3-52-P	93	90	22.62	22.62	0.00	-33.87	352 (8)	4459 (8)	18398 (8)
3-53-P	93	90	22.62	22.62	0.00	-33.56	348 (8)	4419 (8)	18232 (8)
3-54-P	93	90	22.62	22.62	0.00	-33.42	347 (8)	4400 (8)	18157 (8)
3-55-P	93	90	22.62	22.62	0.00	-33.28	346 (8)	4382 (8)	18082 (8)
3-56-P	93	90	22.62	22.62	0.00	-33.14	344 (8)	4363 (8)	18004 (8)
3-57-P	93	90	22.62	22.62	0.00	-32.99	343 (8)	4344 (8)	17925 (8)
3-58-P	93	90	22.62	22.62	0.00	-32.80	341 (8)	4318 (8)	17819 (8)
3-59-P	93	90	22.62	22.62	0.00	-32.40	336 (8)	4266 (8)	17604 (8)
3-60-P	93	90	22.62	22.62	0.00	-32.01	332 (8)	4214 (8)	17390 (8)
3-61-P	93	90	22.62	22.62	0.00	-31.42	326 (8)	4136 (8)	17068 (8)
3-62-P	93	90	22.62	22.62	0.00	-30.77	320 (8)	4052 (8)	16719 (8)
3-63-P	93	90	22.62	22.62	0.00	-30.13	313 (8)	3967 (8)	16368 (8)
3-64-P	93	90	22.62	22.62	0.00	-29.48	306 (8)	3881 (8)	16016 (8)
3-65-P	93	90	22.62	22.62	0.00	-28.83	299 (8)	3796 (8)	15664 (8)
3-66-P	93	90	22.62	22.62	0.00	-28.37	295 (8)	3736 (8)	15415 (8)
3-67-P	93	90	22.62	22.62	0.00	-27.92	290 (8)	3675 (8)	15166 (8)
3-68-P	93	90	22.62	22.62	0.00	-27.51	286 (8)	3622 (8)	14944 (8)
3-69-P	93	90	22.62	22.62	0.00	-27.13	282 (8)	3572 (8)	14741 (8)
3-70-P	93	90	22.62	22.62	0.00	-26.75	278 (8)	3521 (8)	14531 (8)
3-71-P	93	90	22.62	22.62	0.02	-26.33	273 (8)	3467 (8)	14307 (8)
3-72-P	93	90	22.62	22.62	0.05	-25.92	269 (8)	3413 (8)	14083 (8)
3-73-P	93	90	22.62	22.62	0.07	-25.46	264 (8)	3353 (8)	13834 (8)
3-74-P	93	90	22.62	22.62	0.08	-24.99	260 (8)	3290 (8)	13576 (8)
3-75-P	93	90	22.62	22.62	0.07	-24.39	253 (8)	3211 (8)	13252 (8)
3-76-P	93	90	22.62	22.62	0.06	-23.61	245 (8)	3109 (8)	12829 (8)
3-77-P	93	90	22.62	22.62	0.04	-22.84	237 (8)	3007 (8)	12407 (8)
3-78-P	93	90	22.62	22.62	0.02	-20.55	213 (8)	2705 (8)	11162 (8)
3-79-P	93	90	22.62	22.62	0.00	-18.26	190 (8)	2404 (8)	9920 (8)
3-80-P	93	90	22.62	22.62	0.28	-15.57	170 (8)	2152 (8)	8881 (8)
3-81-P	93	90	22.62	22.62	1.67	-13.99	153 (8)	2123 (8)	7978 (8)
4-1-P	92	90	22.62	22.62	1.44	-1.46	27 (5)	430 (5)	1405 (5)
4-2-P	92	90	22.62	22.62	3.83	-0.13	20 (5)	1044 (5)	253 (5)
4-3-P	92	90	22.62	22.62	7.42	0.00	50 (5)	2595 (5)	629 (5)
4-4-P	92	90	22.62	22.62	13.21	0.00	87 (5)	4564 (5)	1106 (5)
4-5-P	92	90	22.62	22.62	18.99	0.00	125 (5)	6556 (5)	1589 (5)
4-6-P	92	90	22.62	22.62	23.54	0.00	130 (5)	6822 (5)	1653 (5)
4-7-P	92	90	22.62	22.62	28.09	0.00	136 (5)	7105 (5)	1722 (5)
4-8-P	92	90	22.62	22.62	31.96	0.00	139 (5)	7278 (5)	1764 (5)
4-9-P	92	90	22.62	22.62	35.38	0.00	141 (5)	7387 (5)	1790 (5)
4-10-P	92	90	22.62	22.62	38.24	0.00	144 (5)	7515 (5)	1821 (5)
4-11-P	92	90	22.62	22.62	38.90	0.00	148 (5)	7733 (5)	1874 (5)
4-12-P	92	90	22.62	22.62	39.55	0.00	152 (5)	7949 (5)	1926 (5)
4-13-P	92	90	22.62	22.62	38.46	0.00	160 (5)	8355 (5)	2025 (5)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
4-14-P	92	90	22.62	22.62	36.93	0.00	168 (5)	8811 (5)	2135 (5)
4-15-P	92	90	22.62	22.62	35.69	0.00	178 (5)	9323 (5)	2259 (5)
4-16-P	92	90	22.62	22.62	34.89	0.00	190 (5)	9918 (5)	2404 (5)
4-17-P	92	90	22.62	22.62	34.09	0.00	201 (5)	10513 (5)	2548 (5)
4-18-P	92	90	22.62	22.62	33.97	0.00	184 (5)	9630 (5)	2334 (5)
4-19-P	92	90	22.62	22.62	33.84	0.00	176 (5)	9192 (5)	2228 (5)
4-20-P	92	90	22.62	22.62	34.34	0.00	161 (5)	8432 (5)	2043 (5)
4-21-P	92	90	22.62	22.62	35.27	0.00	156 (5)	8184 (5)	1983 (5)
4-22-P	92	90	22.62	22.62	35.90	0.00	145 (5)	7608 (5)	1844 (5)
4-23-P	92	90	22.62	22.62	35.39	0.00	141 (5)	7401 (5)	1793 (5)
4-24-P	92	90	22.62	22.62	34.88	0.00	145 (5)	7597 (5)	1841 (5)
4-25-P	92	90	22.62	22.62	33.24	0.00	149 (5)	7809 (5)	1893 (5)
4-26-P	92	90	22.62	22.62	31.31	0.00	155 (5)	8124 (5)	1969 (5)
4-27-P	92	90	22.62	22.62	29.85	0.00	164 (5)	8576 (5)	2078 (5)
4-28-P	92	90	22.62	22.62	29.07	0.00	176 (5)	9231 (5)	2237 (5)
4-29-P	92	90	22.62	22.62	28.30	0.00	189 (5)	9886 (5)	2396 (5)
4-30-P	92	90	22.62	22.62	28.40	0.00	171 (5)	8967 (5)	2173 (5)
4-31-P	92	90	22.62	22.62	28.50	0.00	154 (5)	8046 (5)	1950 (5)
4-32-P	92	90	22.62	22.62	29.29	0.00	140 (5)	7324 (5)	1969 (5)
4-33-P	92	90	22.62	22.62	30.54	0.00	136 (5)	7137 (5)	2283 (5)
4-34-P	92	90	22.62	22.62	31.51	0.00	127 (5)	6653 (5)	2117 (5)
4-35-P	92	90	22.62	22.62	31.35	0.00	126 (5)	6581 (5)	2671 (5)
4-36-P	92	90	22.62	22.62	31.20	0.00	125 (5)	6515 (5)	2729 (5)
4-37-P	92	90	22.62	22.62	29.91	0.00	131 (5)	6876 (5)	2518 (5)
4-38-P	92	90	22.62	22.62	28.35	0.00	140 (5)	7343 (5)	2238 (5)
4-39-P	92	90	22.62	22.62	27.23	0.00	152 (5)	7954 (5)	2000 (5)
4-40-P	92	90	22.62	22.62	26.80	0.00	159 (5)	8297 (5)	2011 (5)
4-41-P	92	90	22.62	22.62	26.37	0.00	174 (5)	9089 (5)	2203 (5)
4-42-P	92	90	22.62	22.62	26.80	0.00	159 (5)	8297 (5)	2011 (5)
4-43-P	92	90	22.62	22.62	27.23	0.00	152 (5)	7954 (5)	2000 (5)
4-44-P	92	90	22.62	22.62	28.35	0.00	140 (5)	7343 (5)	2238 (5)
4-45-P	92	90	22.62	22.62	29.91	0.00	131 (5)	6876 (5)	2518 (5)
4-46-P	92	90	22.62	22.62	31.20	0.00	125 (5)	6515 (5)	2729 (5)
4-47-P	92	90	22.62	22.62	31.35	0.00	126 (5)	6581 (5)	2671 (5)
4-48-P	92	90	22.62	22.62	31.51	0.00	127 (5)	6653 (5)	2117 (5)
4-49-P	92	90	22.62	22.62	30.54	0.00	136 (5)	7137 (5)	2283 (5)
4-50-P	92	90	22.62	22.62	29.29	0.00	140 (5)	7324 (5)	1969 (5)
4-51-P	92	90	22.62	22.62	28.50	0.00	154 (5)	8046 (5)	1950 (5)
4-52-P	92	90	22.62	22.62	28.40	0.00	171 (5)	8967 (5)	2173 (5)
4-53-P	92	90	22.62	22.62	28.30	0.00	189 (5)	9886 (5)	2396 (5)
4-54-P	92	90	22.62	22.62	29.07	0.00	176 (5)	9231 (5)	2237 (5)
4-55-P	92	90	22.62	22.62	29.85	0.00	164 (5)	8576 (5)	2078 (5)
4-56-P	92	90	22.62	22.62	31.31	0.00	155 (5)	8124 (5)	1969 (5)
4-57-P	92	90	22.62	22.62	33.24	0.00	149 (5)	7809 (5)	1893 (5)
4-58-P	92	90	22.62	22.62	34.88	0.00	145 (5)	7597 (5)	1841 (5)
4-59-P	92	90	22.62	22.62	35.39	0.00	141 (5)	7401 (5)	1793 (5)
4-60-P	92	90	22.62	22.62	35.90	0.00	145 (5)	7608 (5)	1844 (5)
4-61-P	92	90	22.62	22.62	35.27	0.00	156 (5)	8184 (5)	1983 (5)
4-62-P	92	90	22.62	22.62	34.34	0.00	161 (5)	8432 (5)	2043 (5)
4-63-P	92	90	22.62	22.62	33.84	0.00	176 (5)	9192 (5)	2228 (5)
4-64-P	92	90	22.62	22.62	33.97	0.00	184 (5)	9630 (5)	2334 (5)
4-65-P	92	90	22.62	22.62	34.09	0.00	201 (5)	10513 (5)	2548 (5)
4-66-P	92	90	22.62	22.62	34.89	0.00	190 (5)	9918 (5)	2404 (5)
4-67-P	92	90	22.62	22.62	35.69	0.00	178 (5)	9323 (5)	2259 (5)
4-68-P	92	90	22.62	22.62	36.93	0.00	168 (5)	8811 (5)	2135 (5)
4-69-P	92	90	22.62	22.62	38.46	0.00	160 (5)	8355 (5)	2025 (5)
4-70-P	92	90	22.62	22.62	39.55	0.00	152 (5)	7949 (5)	1926 (5)
4-71-P	92	90	22.62	22.62	38.90	0.00	148 (5)	7733 (5)	1874 (5)
4-72-P	92	90	22.62	22.62	38.24	0.00	144 (5)	7515 (5)	1821 (5)
4-73-P	92	90	22.62	22.62	35.38	0.00	141 (5)	7387 (5)	1790 (5)
4-74-P	92	90	22.62	22.62	31.96	0.00	139 (5)	7278 (5)	1764 (5)
4-75-P	92	90	22.62	22.62	28.09	0.00	136 (5)	7105 (5)	1722 (5)
4-76-P	92	90	22.62	22.62	23.54	0.00	130 (5)	6822 (5)	1653 (5)
4-77-P	92	90	22.62	22.62	18.99	0.00	125 (5)	6556 (5)	1589 (5)
4-78-P	92	90	22.62	22.62	13.21	0.00	87 (5)	4564 (5)	1106 (5)
4-79-P	92	90	22.62	22.62	7.42	0.00	50 (5)	2595 (5)	629 (5)
4-80-P	92	90	22.62	22.62	3.83	-0.13	20 (5)	1044 (5)	253 (5)
4-81-P	92	90	22.62	22.62	1.44	-1.46	27 (5)	430 (5)	1405 (5)
5-1-P	92	90	22.62	22.62	4.54	-0.15	47 (8)	2467 (8)	598 (8)
5-2-P	92	90	22.62	22.62	1.56	-0.08	16 (8)	850 (8)	226 (8)
5-3-P	92	90	22.62	22.62	4.18	-5.61	72 (8)	2273 (8)	3762 (8)
5-4-P	92	90	22.62	22.62	10.22	-5.44	169 (8)	5553 (8)	8861 (8)
5-5-P	92	90	22.62	22.62	21.44	-10.45	380 (8)	11648 (8)	19867 (8)
5-6-P	92	90	22.62	22.62	19.87	-5.33	206 (8)	10795 (8)	10129 (8)
5-7-P	92	90	22.62	22.62	21.35	-3.25	222 (8)	11597 (8)	5300 (8)
5-8-P	92	90	22.62	22.62	26.00	0.00	253 (5)	13227 (5)	3206 (5)
5-9-P	92	90	22.62	22.62	39.87	0.00	321 (5)	16772 (5)	4065 (5)
5-10-P	92	90	22.62	22.62	51.22	0.00	382 (5)	20003 (5)	4848 (5)
5-11-P	92	90	22.62	22.62	52.48	0.00	392 (5)	20500 (5)	4968 (5)
5-12-P	92	90	22.62	22.62	53.75	0.00	401 (5)	20998 (5)	5089 (5)
5-13-P	92	90	22.62	22.62	45.44	0.00	364 (5)	19038 (5)	4614 (5)
5-14-P	92	90	22.62	22.62	34.73	0.00	315 (5)	16463 (5)	3990 (5)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
5-15-P	92	90	22.62	22.62	27.84	0.00	289 (8)	15125 (8)	3666 (8)
5-16-P	92	90	22.62	22.62	29.26	-0.83	304 (8)	15897 (8)	4742 (8)
5-17-P	92	90	22.62	22.62	34.28	-5.26	356 (8)	18622 (8)	11998 (8)
5-18-P	92	90	22.62	22.62	30.15	-1.89	313 (8)	16379 (8)	5399 (8)
5-19-P	92	90	22.62	22.62	28.24	-0.74	293 (8)	15340 (8)	3717 (8)
5-20-P	92	90	22.62	22.62	33.83	0.00	311 (5)	16262 (5)	3941 (5)
5-21-P	92	90	22.62	22.62	44.53	0.00	361 (5)	18879 (5)	4575 (5)
5-22-P	92	90	22.62	22.62	53.00	0.00	400 (5)	20935 (5)	5074 (5)
5-23-P	92	90	22.62	22.62	52.50	0.00	397 (5)	20747 (5)	5028 (5)
5-24-P	92	90	22.62	22.62	51.99	0.00	393 (5)	20559 (5)	4982 (5)
5-25-P	92	90	22.62	22.62	42.56	0.00	347 (5)	18146 (5)	4398 (5)
5-26-P	92	90	22.62	22.62	30.91	0.00	290 (5)	15177 (5)	3678 (5)
5-27-P	92	90	22.62	22.62	25.02	-0.12	260 (8)	13593 (8)	3294 (8)
5-28-P	92	90	22.62	22.62	26.70	-1.54	277 (8)	14508 (8)	5856 (8)
5-29-P	92	90	22.62	22.62	31.41	-5.99	326 (8)	17067 (8)	13666 (8)
5-30-P	92	90	22.62	22.62	26.63	-2.03	277 (8)	14468 (8)	5803 (8)
5-31-P	92	90	22.62	22.62	24.40	-0.63	253 (8)	13257 (8)	3213 (8)
5-32-P	92	90	22.62	22.62	28.56	0.00	273 (5)	14259 (5)	3456 (5)
5-33-P	92	90	22.62	22.62	39.46	0.00	324 (5)	16932 (5)	4103 (5)
5-34-P	92	90	22.62	22.62	48.14	0.00	364 (5)	19054 (5)	4618 (5)
5-35-P	92	90	22.62	22.62	47.94	0.00	363 (5)	18975 (5)	4598 (5)
5-36-P	92	90	22.62	22.62	47.74	0.00	361 (5)	18895 (5)	4579 (5)
5-37-P	92	90	22.62	22.62	38.67	0.00	318 (5)	16614 (5)	4026 (5)
5-38-P	92	90	22.62	22.62	27.38	0.00	263 (5)	13783 (5)	3340 (5)
5-39-P	92	90	22.62	22.62	23.10	-0.50	240 (8)	12549 (8)	3041 (8)
5-40-P	92	90	22.62	22.62	25.22	-2.08	262 (8)	13703 (8)	5944 (8)
5-41-P	92	90	22.62	22.62	30.10	-6.42	313 (8)	16352 (8)	14651 (8)
5-42-P	92	90	22.62	22.62	25.22	-2.08	262 (8)	13703 (8)	5944 (8)
5-43-P	92	90	22.62	22.62	23.10	-0.50	240 (8)	12549 (8)	3041 (8)
5-44-P	92	90	22.62	22.62	27.38	0.00	263 (5)	13783 (5)	3340 (5)
5-45-P	92	90	22.62	22.62	38.67	0.00	318 (5)	16614 (5)	4026 (5)
5-46-P	92	90	22.62	22.62	47.74	0.00	361 (5)	18895 (5)	4579 (5)
5-47-P	92	90	22.62	22.62	47.94	0.00	363 (5)	18975 (5)	4598 (5)
5-48-P	92	90	22.62	22.62	48.14	0.00	364 (5)	19054 (5)	4618 (5)
5-49-P	92	90	22.62	22.62	39.46	0.00	324 (5)	16932 (5)	4103 (5)
5-50-P	92	90	22.62	22.62	28.56	0.00	273 (5)	14259 (5)	3456 (5)
5-51-P	92	90	22.62	22.62	24.40	-0.63	253 (8)	13257 (8)	3213 (8)
5-52-P	92	90	22.62	22.62	26.63	-2.03	277 (8)	14468 (8)	5803 (8)
5-53-P	92	90	22.62	22.62	31.41	-5.99	326 (8)	17067 (8)	13666 (8)
5-54-P	92	90	22.62	22.62	26.70	-1.54	277 (8)	14508 (8)	5856 (8)
5-55-P	92	90	22.62	22.62	25.02	-0.12	260 (8)	13593 (8)	3294 (8)
5-56-P	92	90	22.62	22.62	30.91	0.00	290 (5)	15177 (5)	3678 (5)
5-57-P	92	90	22.62	22.62	42.56	0.00	347 (5)	18146 (5)	4398 (5)
5-58-P	92	90	22.62	22.62	51.99	0.00	393 (5)	20559 (5)	4982 (5)
5-59-P	92	90	22.62	22.62	52.50	0.00	397 (5)	20747 (5)	5028 (5)
5-60-P	92	90	22.62	22.62	53.00	0.00	400 (5)	20935 (5)	5074 (5)
5-61-P	92	90	22.62	22.62	44.53	0.00	361 (5)	18879 (5)	4575 (5)
5-62-P	92	90	22.62	22.62	33.83	0.00	311 (5)	16262 (5)	3941 (5)
5-63-P	92	90	22.62	22.62	28.24	-0.74	293 (8)	15340 (8)	3717 (8)
5-64-P	92	90	22.62	22.62	30.15	-1.89	313 (8)	16379 (8)	5399 (8)
5-65-P	92	90	22.62	22.62	34.28	-5.26	356 (8)	18622 (8)	11998 (8)
5-66-P	92	90	22.62	22.62	29.26	-0.83	304 (8)	15897 (8)	4742 (8)
5-67-P	92	90	22.62	22.62	27.84	0.00	289 (8)	15125 (8)	3666 (8)
5-68-P	92	90	22.62	22.62	34.73	0.00	315 (5)	16463 (5)	3990 (5)
5-69-P	92	90	22.62	22.62	45.44	0.00	364 (5)	19038 (5)	4614 (5)
5-70-P	92	90	22.62	22.62	53.75	0.00	401 (5)	20998 (5)	5089 (5)
5-71-P	92	90	22.62	22.62	52.48	0.00	392 (5)	20500 (5)	4968 (5)
5-72-P	92	90	22.62	22.62	51.22	0.00	382 (5)	20003 (5)	4848 (5)
5-73-P	92	90	22.62	22.62	39.87	0.00	321 (5)	16772 (5)	4065 (5)
5-74-P	92	90	22.62	22.62	26.00	0.00	253 (5)	13227 (5)	3206 (5)
5-75-P	92	90	22.62	22.62	21.35	-3.25	222 (8)	11597 (8)	5300 (8)
5-76-P	92	90	22.62	22.62	19.87	-5.33	206 (8)	10795 (8)	10129 (8)
5-77-P	92	90	22.62	22.62	21.44	-10.45	380 (8)	11648 (8)	19867 (8)
5-78-P	92	90	22.62	22.62	10.22	-5.44	169 (8)	5553 (8)	8861 (8)
5-79-P	92	90	22.62	22.62	4.18	-5.61	72 (8)	2273 (8)	3762 (8)
5-80-P	92	90	22.62	22.62	1.56	-0.08	16 (8)	850 (8)	226 (8)
5-81-P	92	90	22.62	22.62	4.54	-0.15	47 (8)	2467 (8)	598 (8)
6-1-P	92	90	22.62	22.62	1.78	-6.79	88 (8)	1118 (8)	4612 (8)
6-2-P	92	90	22.62	22.62	0.63	-14.16	111 (5)	1402 (5)	5786 (5)
6-3-P	92	90	22.62	22.62	8.03	-20.50	213 (8)	4362 (8)	11137 (8)
6-4-P	92	90	22.62	22.62	0.00	-69.60	528 (5)	6698 (5)	27639 (5)
6-5-P	92	90	22.62	22.62	0.00	-115.80	918 (5)	11640 (5)	48031 (5)
6-6-P	92	90	22.62	22.62	0.00	-64.45	503 (5)	6379 (5)	26322 (5)
6-7-P	92	90	22.62	22.62	18.34	-23.39	243 (8)	9961 (8)	12705 (8)
6-8-P	92	90	22.62	22.62	26.32	-6.93	273 (8)	14297 (8)	3765 (8)
6-9-P	92	90	22.62	22.62	37.42	-0.03	333 (5)	17412 (5)	4220 (5)
6-10-P	92	90	22.62	22.62	52.53	0.00	440 (5)	23040 (5)	5584 (5)
6-11-P	92	90	22.62	22.62	54.06	0.00	452 (5)	23664 (5)	5735 (5)
6-12-P	92	90	22.62	22.62	55.59	0.00	464 (5)	24288 (5)	5886 (5)
6-13-P	92	90	22.62	22.62	43.51	0.00	379 (5)	19850 (5)	4811 (5)
6-14-P	92	90	22.62	22.62	28.02	0.00	270 (5)	14147 (5)	3428 (5)
6-15-P	92	90	22.62	22.62	10.69	-6.65	111 (8)	5810 (8)	3791 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
6-16-P	92	90	22.62	22.62	0.00	-48.20	365 (5)	4623 (5)	19075 (5)
6-17-P	92	90	22.62	22.62	0.00	-95.82	764 (5)	9689 (5)	39981 (5)
6-18-P	92	90	22.62	22.62	0.00	-48.32	381 (5)	4829 (5)	19925 (5)
6-19-P	92	90	22.62	22.62	18.21	-14.29	189 (8)	9891 (8)	7764 (8)
6-20-P	92	90	22.62	22.62	28.07	-0.18	277 (5)	14507 (5)	3516 (5)
6-21-P	92	90	22.62	22.62	43.64	0.00	381 (5)	19943 (5)	4833 (5)
6-22-P	92	90	22.62	22.62	56.13	0.00	469 (5)	24556 (5)	5951 (5)
6-23-P	92	90	22.62	22.62	55.60	0.00	465 (5)	24353 (5)	5902 (5)
6-24-P	92	90	22.62	22.62	55.08	0.00	462 (5)	24151 (5)	5853 (5)
6-25-P	92	90	22.62	22.62	41.60	0.00	366 (5)	19159 (5)	4643 (5)
6-26-P	92	90	22.62	22.62	24.88	0.00	248 (5)	12969 (5)	3143 (5)
6-27-P	92	90	22.62	22.62	12.51	-11.35	130 (8)	6798 (8)	6166 (8)
6-28-P	92	90	22.62	22.62	0.00	-52.94	402 (5)	5100 (5)	21045 (5)
6-29-P	92	90	22.62	22.62	0.00	-101.16	803 (5)	10186 (5)	42029 (5)
6-30-P	92	90	22.62	22.62	0.00	-53.84	414 (5)	5243 (5)	21635 (5)
6-31-P	92	90	22.62	22.62	14.52	-14.67	152 (8)	7890 (8)	7970 (8)
6-32-P	92	90	22.62	22.62	22.39	-0.47	233 (8)	12166 (8)	2948 (8)
6-33-P	92	90	22.62	22.62	38.06	0.00	340 (5)	17764 (5)	4305 (5)
6-34-P	92	90	22.62	22.62	50.70	0.00	429 (5)	22427 (5)	5435 (5)
6-35-P	92	90	22.62	22.62	50.46	0.00	427 (5)	22332 (5)	5412 (5)
6-36-P	92	90	22.62	22.62	50.22	0.00	425 (5)	22237 (5)	5389 (5)
6-37-P	92	90	22.62	22.62	37.11	0.00	332 (5)	17385 (5)	4213 (5)
6-38-P	92	90	22.62	22.62	21.28	-0.40	221 (8)	11560 (8)	2801 (8)
6-39-P	92	90	22.62	22.62	12.96	-14.49	151 (8)	7040 (8)	7874 (8)
6-40-P	92	90	22.62	22.62	0.00	-56.19	429 (5)	5434 (5)	22421 (5)
6-41-P	92	90	22.62	22.62	0.00	-103.97	825 (5)	10457 (5)	43150 (5)
6-42-P	92	90	22.62	22.62	0.00	-56.19	429 (5)	5434 (5)	22421 (5)
6-43-P	92	90	22.62	22.62	12.96	-14.49	151 (8)	7040 (8)	7874 (8)
6-44-P	92	90	22.62	22.62	21.28	-0.40	221 (8)	11560 (8)	2801 (8)
6-45-P	92	90	22.62	22.62	37.11	0.00	332 (5)	17385 (5)	4213 (5)
6-46-P	92	90	22.62	22.62	50.22	0.00	425 (5)	22237 (5)	5389 (5)
6-47-P	92	90	22.62	22.62	50.46	0.00	427 (5)	22332 (5)	5412 (5)
6-48-P	92	90	22.62	22.62	50.70	0.00	429 (5)	22427 (5)	5435 (5)
6-49-P	92	90	22.62	22.62	38.06	0.00	340 (5)	17764 (5)	4305 (5)
6-50-P	92	90	22.62	22.62	22.39	-0.47	233 (8)	12166 (8)	2948 (8)
6-51-P	92	90	22.62	22.62	14.52	-14.67	152 (8)	7890 (8)	7970 (8)
6-52-P	92	90	22.62	22.62	0.00	-53.84	414 (5)	5243 (5)	21635 (5)
6-53-P	92	90	22.62	22.62	0.00	-101.16	803 (5)	10186 (5)	42029 (5)
6-54-P	92	90	22.62	22.62	0.00	-52.94	402 (5)	5100 (5)	21045 (5)
6-55-P	92	90	22.62	22.62	12.51	-11.35	130 (8)	6798 (8)	6166 (8)
6-56-P	92	90	22.62	22.62	24.88	0.00	248 (5)	12969 (5)	3143 (5)
6-57-P	92	90	22.62	22.62	41.60	0.00	366 (5)	19159 (5)	4643 (5)
6-58-P	92	90	22.62	22.62	55.08	0.00	462 (5)	24151 (5)	5853 (5)
6-59-P	92	90	22.62	22.62	55.60	0.00	465 (5)	24353 (5)	5902 (5)
6-60-P	92	90	22.62	22.62	56.13	0.00	469 (5)	24556 (5)	5951 (5)
6-61-P	92	90	22.62	22.62	43.64	0.00	381 (5)	19943 (5)	4833 (5)
6-62-P	92	90	22.62	22.62	28.07	-0.18	277 (5)	14507 (5)	3516 (5)
6-63-P	92	90	22.62	22.62	18.21	-14.29	189 (8)	9891 (8)	7764 (8)
6-64-P	92	90	22.62	22.62	0.00	-48.32	381 (5)	4829 (5)	19925 (5)
6-65-P	92	90	22.62	22.62	0.00	-95.82	764 (5)	9689 (5)	39981 (5)
6-66-P	92	90	22.62	22.62	0.00	-48.20	365 (5)	4623 (5)	19075 (5)
6-67-P	92	90	22.62	22.62	10.69	-6.65	111 (8)	5810 (8)	3791 (8)
6-68-P	92	90	22.62	22.62	28.02	0.00	270 (5)	14147 (5)	3428 (5)
6-69-P	92	90	22.62	22.62	43.51	0.00	379 (5)	19850 (5)	4811 (5)
6-70-P	92	90	22.62	22.62	55.59	0.00	464 (5)	24288 (5)	5886 (5)
6-71-P	92	90	22.62	22.62	54.06	0.00	452 (5)	23664 (5)	5735 (5)
6-72-P	92	90	22.62	22.62	52.53	0.00	440 (5)	23040 (5)	5584 (5)
6-73-P	92	90	22.62	22.62	37.42	-0.03	333 (5)	17412 (5)	4220 (5)
6-74-P	92	90	22.62	22.62	26.32	-6.93	273 (8)	14297 (8)	3765 (8)
6-75-P	92	90	22.62	22.62	18.34	-23.39	243 (8)	9961 (8)	12705 (8)
6-76-P	92	90	22.62	22.62	0.00	-64.45	503 (5)	6379 (5)	26322 (5)
6-77-P	92	90	22.62	22.62	0.00	-115.80	918 (5)	11640 (5)	48031 (5)
6-78-P	92	90	22.62	22.62	0.00	-69.60	528 (5)	6698 (5)	27639 (5)
6-79-P	92	90	22.62	22.62	8.03	-20.50	213 (8)	4362 (8)	11137 (8)
6-80-P	92	90	22.62	22.62	0.63	-14.16	111 (5)	1402 (5)	5786 (5)
6-81-P	92	90	22.62	22.62	1.78	-6.79	88 (8)	1118 (8)	4612 (8)
7-1-S	100	90	22.62	22.62	0.05	-0.01	1 (5)	26 (5)	35 (5)
7-2-S	100	90	22.62	22.62	0.00	-1.23	12 (5)	156 (5)	669 (5)
7-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1357 (5)
7-4-S	100	90	22.62	22.62	0.00	-3.77	38 (5)	475 (5)	2045 (5)
7-5-S	100	90	22.62	22.62	0.00	-178.16	1781 (8)	22467 (8)	96663 (8)
7-6-S	100	90	22.62	22.62	0.00	-121.55	1215 (8)	15329 (8)	65951 (8)
7-7-S	100	90	22.62	22.62	0.00	-64.95	649 (8)	8190 (8)	35238 (8)
7-8-S	100	90	22.62	22.62	116.80	0.00	184 (5)	2324 (5)	10000 (5)
7-9-S	100	90	22.62	22.62	133.33	0.00	226 (5)	12288 (5)	2856 (5)
7-10-S	100	90	22.62	22.62	145.54	0.00	600 (5)	32558 (5)	7567 (5)
7-11-S	100	90	22.62	22.62	147.41	0.00	885 (5)	48043 (5)	11166 (5)
7-12-S	100	90	22.62	22.62	149.29	0.00	1171 (5)	63527 (5)	14765 (5)
7-13-S	100	90	22.62	22.62	136.22	0.00	1321 (5)	71703 (5)	16666 (5)
7-14-S	100	90	22.62	22.62	146.50	0.00	1465 (8)	79488 (8)	18475 (8)
7-15-S	100	90	22.62	22.62	125.41	-0.04	1254 (8)	68044 (8)	15815 (8)
7-16-S	100	90	22.62	22.62	80.72	-0.67	807 (8)	43797 (8)	10179 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
7-17-S	100	90	22.62	22.62	44.23	-8.24	546 (8)	29645 (8)	6890 (8)
7-18-S	100	90	22.62	22.62	24.93	-27.02	415 (8)	22545 (8)	14661 (8)
7-19-S	100	90	22.62	22.62	12.86	-24.92	249 (8)	11273 (8)	13522 (8)
7-20-S	100	90	22.62	22.62	7.23	-7.12	121 (8)	6541 (8)	4828 (8)
8-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	158 (5)	678 (5)
8-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	316 (5)	1358 (5)
8-4-S	100	90	22.62	22.62	0.00	-3.76	38 (5)	474 (5)	2038 (5)
8-5-S	100	90	22.62	22.62	0.00	-182.74	1827 (8)	23045 (8)	99150 (8)
8-6-S	100	90	22.62	22.62	0.00	-127.57	1276 (8)	16087 (8)	69215 (8)
8-7-S	100	90	22.62	22.62	0.00	-72.39	724 (8)	9130 (8)	39279 (8)
8-8-S	100	90	22.62	22.62	0.00	-26.42	264 (8)	3331 (8)	14333 (8)
8-9-S	100	90	22.62	22.62	124.53	0.00	149 (5)	8090 (5)	1880 (5)
8-10-S	100	90	22.62	22.62	136.65	0.00	517 (5)	28043 (5)	6518 (5)
8-11-S	100	90	22.62	22.62	139.83	0.00	796 (5)	43184 (5)	10037 (5)
8-12-S	100	90	22.62	22.62	143.02	0.00	1075 (5)	58325 (5)	13556 (5)
8-13-S	100	90	22.62	22.62	133.17	0.00	1242 (5)	67404 (5)	15666 (5)
8-14-S	100	90	22.62	22.62	140.33	0.00	1403 (8)	76136 (8)	17696 (8)
8-15-S	100	90	22.62	22.62	120.31	-0.12	1203 (8)	65277 (8)	15172 (8)
8-16-S	100	90	22.62	22.62	78.54	-3.18	785 (8)	42613 (8)	9904 (8)
8-17-S	100	90	22.62	22.62	46.50	-14.62	581 (8)	31537 (8)	9918 (8)
8-18-S	100	90	22.62	22.62	27.41	-34.60	411 (8)	22311 (8)	21902 (8)
8-19-S	100	90	22.62	22.62	16.98	-31.61	349 (8)	14881 (8)	18955 (8)
8-20-S	100	90	22.62	22.62	9.98	-12.80	166 (8)	9027 (8)	6942 (8)
9-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
9-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	158 (5)	678 (5)
9-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)
9-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2033 (5)
9-5-S	100	90	22.62	22.62	0.00	-193.67	1937 (8)	24423 (8)	105080 (8)
9-6-S	100	90	22.62	22.62	0.00	-137.96	1379 (8)	17398 (8)	74853 (8)
9-7-S	100	90	22.62	22.62	0.00	-82.25	822 (8)	10372 (8)	44626 (8)
9-8-S	100	90	22.62	22.62	0.00	-36.38	364 (8)	4588 (8)	19741 (8)
9-9-S	100	90	22.62	22.62	111.95	0.00	62 (5)	3381 (5)	1132 (5)
9-10-S	100	90	22.62	22.62	123.69	0.00	393 (5)	21342 (5)	4960 (5)
9-11-S	100	90	22.62	22.62	124.02	0.00	619 (5)	33582 (5)	7805 (5)
9-12-S	100	90	22.62	22.62	124.35	0.00	844 (5)	45823 (5)	10650 (5)
9-13-S	100	90	22.62	22.62	112.25	0.00	888 (5)	48185 (5)	11199 (5)
9-14-S	100	90	22.62	22.62	99.43	0.00	921 (5)	49982 (5)	11617 (5)
9-15-S	100	90	22.62	22.62	84.77	0.00	848 (8)	45993 (8)	10690 (8)
9-16-S	100	90	22.62	22.62	70.14	0.00	701 (8)	38058 (8)	8846 (8)
9-17-S	100	90	22.62	22.62	53.88	0.00	539 (8)	29233 (8)	6794 (8)
9-18-S	100	90	22.62	22.62	32.50	0.00	325 (8)	17636 (8)	4099 (8)
9-19-S	100	90	22.62	22.62	17.94	0.00	179 (8)	9736 (8)	2263 (8)
9-20-S	100	90	22.62	22.62	7.53	0.00	75 (8)	4086 (8)	950 (8)
10-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
10-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	157 (5)	677 (5)
10-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)
10-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2032 (5)
10-5-S	100	90	22.62	22.62	0.00	-206.76	2067 (8)	26073 (8)	112179 (8)
10-6-S	100	90	22.62	22.62	0.00	-149.31	1493 (8)	18829 (8)	81011 (8)
10-7-S	100	90	22.62	22.62	0.00	-91.86	919 (8)	11585 (8)	49843 (8)
10-8-S	100	90	22.62	22.62	0.00	-43.96	440 (8)	5543 (8)	23850 (8)
10-9-S	100	90	22.62	22.62	105.74	0.00	38 (5)	1410 (5)	2071 (5)
10-10-S	100	90	22.62	22.62	121.53	0.00	376 (5)	20401 (5)	4742 (5)
10-11-S	100	90	22.62	22.62	127.68	0.00	671 (5)	36435 (5)	8469 (5)
10-12-S	100	90	22.62	22.62	133.83	0.00	967 (5)	52470 (5)	12195 (5)
10-13-S	100	90	22.62	22.62	125.77	0.00	1145 (5)	62117 (5)	14438 (5)
10-14-S	100	90	22.62	22.62	131.59	0.00	1316 (8)	71399 (8)	16595 (8)
10-15-S	100	90	22.62	22.62	113.37	0.00	1134 (8)	61511 (8)	14297 (8)
10-16-S	100	90	22.62	22.62	71.09	-0.03	711 (8)	38569 (8)	8964 (8)
10-17-S	100	90	22.62	22.62	38.39	-8.45	480 (8)	26037 (8)	7644 (8)
10-18-S	100	90	22.62	22.62	23.24	-30.47	533 (8)	20369 (8)	28936 (8)
10-19-S	100	90	22.62	22.62	13.84	-28.08	491 (8)	13144 (8)	26666 (8)
10-20-S	100	90	22.62	22.62	6.04	-8.92	111 (8)	5461 (8)	6048 (8)
11-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
11-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	157 (5)	677 (5)
11-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)
11-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2032 (5)
11-5-S	100	90	22.62	22.62	0.00	-216.99	2170 (8)	27364 (8)	117734 (8)
11-6-S	100	90	22.62	22.62	0.00	-158.53	1585 (8)	19992 (8)	86016 (8)
11-7-S	100	90	22.62	22.62	0.00	-100.08	1001 (8)	12620 (8)	54298 (8)
11-8-S	100	90	22.62	22.62	0.00	-51.24	512 (8)	6462 (8)	27802 (8)
11-9-S	100	90	22.62	22.62	97.27	0.00	83 (5)	1041 (5)	4480 (5)
11-10-S	100	90	22.62	22.62	114.44	0.00	320 (5)	17386 (5)	4041 (5)
11-11-S	100	90	22.62	22.62	121.77	0.00	624 (5)	33838 (5)	7865 (5)
11-12-S	100	90	22.62	22.62	129.11	0.00	927 (5)	50289 (5)	11688 (5)
11-13-S	100	90	22.62	22.62	121.98	0.00	1111 (5)	60301 (5)	14015 (5)
11-14-S	100	90	22.62	22.62	128.91	0.00	1289 (8)	69945 (8)	16257 (8)
11-15-S	100	90	22.62	22.62	111.29	0.00	1113 (8)	60383 (8)	14034 (8)
11-16-S	100	90	22.62	22.62	70.78	-1.25	708 (8)	38401 (8)	8926 (8)
11-17-S	100	90	22.62	22.62	41.42	-12.48	518 (8)	28088 (8)	8463 (8)
11-18-S	100	90	22.62	22.62	24.34	-32.15	450 (8)	19812 (8)	24417 (8)
11-19-S	100	90	22.62	22.62	14.78	-29.31	385 (8)	12958 (8)	20870 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
11-20-S	100	90	22.62	22.62	7.84	-10.80	131 (8)	7086 (8)	5859 (8)
12-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
12-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	157 (5)	677 (5)
12-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)
12-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2032 (5)
12-5-S	100	90	22.62	22.62	0.00	-223.85	2238 (8)	28230 (8)	121456 (8)
12-6-S	100	90	22.62	22.62	0.00	-165.13	1651 (8)	20824 (8)	89592 (8)
12-7-S	100	90	22.62	22.62	0.00	-106.40	1064 (8)	13417 (8)	57728 (8)
12-8-S	100	90	22.62	22.62	0.00	-57.84	578 (8)	7294 (8)	31382 (8)
12-9-S	100	90	22.62	22.62	87.25	0.00	148 (5)	1866 (5)	8026 (5)
12-10-S	100	90	22.62	22.62	103.11	0.00	228 (5)	12383 (5)	2878 (5)
12-11-S	100	90	22.62	22.62	106.95	0.00	476 (5)	25827 (5)	6003 (5)
12-12-S	100	90	22.62	22.62	110.78	0.00	724 (5)	39270 (5)	9127 (5)
12-13-S	100	90	22.62	22.62	101.36	0.00	787 (5)	42697 (5)	9924 (5)
12-14-S	100	90	22.62	22.62	91.18	0.00	839 (5)	45551 (5)	10587 (5)
12-15-S	100	90	22.62	22.62	78.39	0.00	784 (8)	42534 (8)	9886 (8)
12-16-S	100	90	22.62	22.62	65.46	0.00	655 (8)	35516 (8)	8255 (8)
12-17-S	100	90	22.62	22.62	50.79	0.00	508 (8)	27558 (8)	6405 (8)
12-18-S	100	90	22.62	22.62	30.74	0.00	307 (8)	16677 (8)	3876 (8)
12-19-S	100	90	22.62	22.62	17.03	0.00	170 (8)	9237 (8)	2147 (8)
12-20-S	100	90	22.62	22.62	7.17	0.00	72 (8)	3892 (8)	905 (8)
13-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
13-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	157 (5)	677 (5)
13-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)
13-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2032 (5)
13-5-S	100	90	22.62	22.62	0.00	-229.23	2292 (8)	28907 (8)	124372 (8)
13-6-S	100	90	22.62	22.62	0.00	-169.89	1699 (8)	21425 (8)	92180 (8)
13-7-S	100	90	22.62	22.62	0.00	-110.56	1106 (8)	13943 (8)	59988 (8)
13-8-S	100	90	22.62	22.62	0.00	-60.80	608 (8)	7667 (8)	32986 (8)
13-9-S	100	90	22.62	22.62	85.91	0.00	162 (5)	2044 (5)	8795 (5)
13-10-S	100	90	22.62	22.62	104.45	0.00	244 (5)	13249 (5)	3079 (5)
13-11-S	100	90	22.62	22.62	113.14	0.00	557 (5)	30220 (5)	7024 (5)
13-12-S	100	90	22.62	22.62	121.82	0.00	870 (5)	47191 (5)	10969 (5)
13-13-S	100	90	22.62	22.62	115.91	0.00	1063 (5)	57695 (5)	13410 (5)
13-14-S	100	90	22.62	22.62	125.02	0.00	1250 (8)	67830 (8)	15765 (8)
13-15-S	100	90	22.62	22.62	108.22	0.00	1082 (8)	58718 (8)	13648 (8)
13-16-S	100	90	22.62	22.62	67.43	-0.19	674 (8)	36588 (8)	8504 (8)
13-17-S	100	90	22.62	22.62	37.75	-10.35	472 (8)	25604 (8)	9363 (8)
13-18-S	100	90	22.62	22.62	22.87	-31.56	510 (8)	20043 (8)	27660 (8)
13-19-S	100	90	22.62	22.62	13.78	-28.76	431 (8)	13082 (8)	23407 (8)
13-20-S	100	90	22.62	22.62	6.67	-9.80	122 (8)	6032 (8)	6644 (8)
14-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
14-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	157 (5)	677 (5)
14-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)
14-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2032 (5)
14-5-S	100	90	22.62	22.62	0.00	-232.28	2323 (8)	29292 (8)	126026 (8)
14-6-S	100	90	22.62	22.62	0.00	-172.82	1728 (8)	21794 (8)	93765 (8)
14-7-S	100	90	22.62	22.62	0.00	-113.36	1133 (8)	14295 (8)	61504 (8)
14-8-S	100	90	22.62	22.62	0.00	-63.42	634 (8)	7997 (8)	34408 (8)
14-9-S	100	90	22.62	22.62	82.75	0.00	186 (5)	2350 (5)	10109 (5)
14-10-S	100	90	22.62	22.62	101.56	0.00	222 (5)	12050 (5)	2801 (5)
14-11-S	100	90	22.62	22.62	110.56	0.00	537 (5)	29150 (5)	6775 (5)
14-12-S	100	90	22.62	22.62	119.56	0.00	852 (5)	46250 (5)	10750 (5)
14-13-S	100	90	22.62	22.62	113.99	0.00	1048 (5)	56891 (5)	13223 (5)
14-14-S	100	90	22.62	22.62	123.79	0.00	1238 (8)	67163 (8)	15610 (8)
14-15-S	100	90	22.62	22.62	107.23	0.00	1072 (8)	58182 (8)	13523 (8)
14-16-S	100	90	22.62	22.62	67.36	-0.87	674 (8)	36549 (8)	8495 (8)
14-17-S	100	90	22.62	22.62	38.88	-12.01	486 (8)	26371 (8)	8142 (8)
14-18-S	100	90	22.62	22.62	23.21	-32.21	451 (8)	20344 (8)	24466 (8)
14-19-S	100	90	22.62	22.62	14.10	-29.24	384 (8)	13386 (8)	20825 (8)
14-20-S	100	90	22.62	22.62	7.26	-10.45	131 (8)	6563 (8)	7086 (8)
15-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
15-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	157 (5)	677 (5)
15-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)
15-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2032 (5)
15-5-S	100	90	22.62	22.62	0.00	-233.52	2335 (8)	29448 (8)	126700 (8)
15-6-S	100	90	22.62	22.62	0.00	-174.33	1743 (8)	21984 (8)	94585 (8)
15-7-S	100	90	22.62	22.62	0.00	-115.14	1151 (8)	14520 (8)	62469 (8)
15-8-S	100	90	22.62	22.62	0.00	-65.99	660 (8)	8321 (8)	35803 (8)
15-9-S	100	90	22.62	22.62	0.00	-22.28	223 (8)	2809 (8)	12087 (8)
15-10-S	100	90	22.62	22.62	94.22	0.00	160 (5)	8697 (5)	2021 (5)
15-11-S	100	90	22.62	22.62	99.07	0.00	416 (5)	22550 (5)	5241 (5)
15-12-S	100	90	22.62	22.62	103.91	0.00	671 (5)	36403 (5)	8461 (5)
15-13-S	100	90	22.62	22.62	95.52	0.00	742 (5)	40253 (5)	9356 (5)
15-14-S	100	90	22.62	22.62	86.38	0.00	802 (5)	43531 (5)	10118 (5)
15-15-S	100	90	22.62	22.62	75.42	0.00	754 (8)	40920 (8)	9511 (8)
15-16-S	100	90	22.62	22.62	63.20	0.00	632 (8)	34292 (8)	7970 (8)
15-17-S	100	90	22.62	22.62	49.24	0.00	492 (8)	26715 (8)	6209 (8)
15-18-S	100	90	22.62	22.62	29.82	0.00	298 (8)	16182 (8)	3761 (8)
15-19-S	100	90	22.62	22.62	16.54	0.00	165 (8)	8974 (8)	2086 (8)
15-20-S	100	90	22.62	22.62	6.99	0.00	70 (8)	3790 (8)	881 (8)
16-1-S	100	90	27.14	27.14	0.00	0.00	0 (5)	0 (5)	0 (5)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
16-2-S	100	90	27.14	27.14	0.00	-1.25	11 (5)	145 (5)	566 (5)
16-3-S	100	90	27.14	27.14	0.00	-2.50	23 (5)	290 (5)	1132 (5)
16-4-S	100	90	27.14	27.14	0.00	-3.75	34 (5)	435 (5)	1699 (5)
16-5-S	100	90	27.14	27.14	0.00	-234.79	2136 (8)	27269 (8)	106473 (8)
16-6-S	100	90	27.14	27.14	0.00	-175.27	1595 (8)	20356 (8)	79483 (8)
16-7-S	100	90	27.14	27.14	0.00	-115.76	1053 (8)	13444 (8)	52493 (8)
16-8-S	100	90	27.14	27.14	0.00	-65.70	598 (8)	7631 (8)	29796 (8)
16-9-S	100	90	27.14	27.14	0.00	-20.78	189 (8)	2413 (8)	9423 (8)
16-10-S	100	90	27.14	27.14	98.97	0.00	184 (5)	9168 (5)	2348 (5)
16-11-S	100	90	27.14	27.14	108.22	0.00	472 (5)	23548 (5)	6031 (5)
16-12-S	100	90	27.14	27.14	117.46	0.00	761 (5)	37927 (5)	9713 (5)
16-13-S	100	90	27.14	27.14	112.18	0.00	941 (5)	46920 (5)	12017 (5)
16-14-S	100	90	27.14	27.14	122.62	0.00	1116 (8)	55606 (8)	14241 (8)
16-15-S	100	90	27.14	27.14	106.29	0.00	967 (8)	48200 (8)	12344 (8)
16-16-S	100	90	27.14	27.14	66.39	-0.63	604 (8)	30106 (8)	7710 (8)
16-17-S	100	90	27.14	27.14	37.89	-11.52	431 (8)	21478 (8)	6532 (8)
16-18-S	100	90	27.14	27.14	22.83	-32.13	439 (8)	16722 (8)	21855 (8)
16-19-S	100	90	27.14	27.14	13.85	-29.16	371 (8)	10992 (8)	18515 (8)
16-20-S	100	90	27.14	27.14	6.98	-10.24	116 (8)	5275 (8)	5803 (8)
17-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
17-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	157 (5)	677 (5)
17-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)
17-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2032 (5)
17-5-S	100	90	22.62	22.62	0.00	-234.79	2348 (8)	29609 (8)	127390 (8)
17-6-S	100	90	22.62	22.62	0.00	-175.27	1753 (8)	22103 (8)	95098 (8)
17-7-S	100	90	22.62	22.62	0.00	-115.76	1157 (8)	14598 (8)	62806 (8)
17-8-S	100	90	22.62	22.62	0.00	-65.70	657 (8)	8286 (8)	35649 (8)
17-9-S	100	90	22.62	22.62	0.00	-20.78	208 (8)	2620 (8)	11274 (8)
17-10-S	100	90	22.62	22.62	98.97	0.00	202 (5)	10969 (5)	2550 (5)
17-11-S	100	90	22.62	22.62	108.22	0.00	519 (5)	28174 (5)	6548 (5)
17-12-S	100	90	22.62	22.62	117.46	0.00	836 (5)	45378 (5)	10547 (5)
17-13-S	100	90	22.62	22.62	112.18	0.00	1035 (5)	56138 (5)	13048 (5)
17-14-S	100	90	22.62	22.62	122.62	0.00	1226 (8)	66530 (8)	15463 (8)
17-15-S	100	90	22.62	22.62	106.29	0.00	1063 (8)	57669 (8)	13404 (8)
17-16-S	100	90	22.62	22.62	66.39	-0.63	664 (8)	36021 (8)	8372 (8)
17-17-S	100	90	22.62	22.62	37.89	-11.52	474 (8)	25698 (8)	7815 (8)
17-18-S	100	90	22.62	22.62	22.83	-32.13	482 (8)	20007 (8)	26149 (8)
17-19-S	100	90	22.62	22.62	13.85	-29.16	408 (8)	13152 (8)	22152 (8)
17-20-S	100	90	22.62	22.62	6.98	-10.24	128 (8)	6311 (8)	6943 (8)
18-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
18-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	157 (5)	677 (5)
18-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)
18-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2032 (5)
18-5-S	100	90	22.62	22.62	0.00	-233.52	2335 (8)	29448 (8)	126700 (8)
18-6-S	100	90	22.62	22.62	0.00	-174.33	1743 (8)	21984 (8)	94585 (8)
18-7-S	100	90	22.62	22.62	0.00	-115.14	1151 (8)	14520 (8)	62469 (8)
18-8-S	100	90	22.62	22.62	0.00	-65.99	660 (8)	8321 (8)	35803 (8)
18-9-S	100	90	22.62	22.62	0.00	-22.28	223 (8)	2809 (8)	12087 (8)
18-10-S	100	90	22.62	22.62	94.22	0.00	160 (5)	8697 (5)	2021 (5)
18-11-S	100	90	22.62	22.62	99.07	0.00	416 (5)	22550 (5)	5241 (5)
18-12-S	100	90	22.62	22.62	103.91	0.00	671 (5)	36403 (5)	8461 (5)
18-13-S	100	90	22.62	22.62	95.52	0.00	742 (5)	40253 (5)	9356 (5)
18-14-S	100	90	22.62	22.62	86.38	0.00	802 (5)	43531 (5)	10118 (5)
18-15-S	100	90	22.62	22.62	75.42	0.00	754 (8)	40920 (8)	9511 (8)
18-16-S	100	90	22.62	22.62	63.20	0.00	632 (8)	34292 (8)	7970 (8)
18-17-S	100	90	22.62	22.62	49.24	0.00	492 (8)	26715 (8)	6209 (8)
18-18-S	100	90	22.62	22.62	29.82	0.00	298 (8)	16182 (8)	3761 (8)
18-19-S	100	90	22.62	22.62	16.54	0.00	165 (8)	8974 (8)	2086 (8)
18-20-S	100	90	22.62	22.62	6.99	0.00	70 (8)	3790 (8)	881 (8)
19-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
19-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	157 (5)	677 (5)
19-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)
19-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2032 (5)
19-5-S	100	90	22.62	22.62	0.00	-232.28	2323 (8)	29292 (8)	126026 (8)
19-6-S	100	90	22.62	22.62	0.00	-172.82	1728 (8)	21794 (8)	93765 (8)
19-7-S	100	90	22.62	22.62	0.00	-113.36	1133 (8)	14295 (8)	61504 (8)
19-8-S	100	90	22.62	22.62	0.00	-63.42	634 (8)	7997 (8)	34408 (8)
19-9-S	100	90	22.62	22.62	82.75	0.00	186 (5)	2350 (5)	10109 (5)
19-10-S	100	90	22.62	22.62	101.56	0.00	222 (5)	12050 (5)	2801 (5)
19-11-S	100	90	22.62	22.62	110.56	0.00	537 (5)	29150 (5)	6775 (5)
19-12-S	100	90	22.62	22.62	119.56	0.00	852 (5)	46250 (5)	10750 (5)
19-13-S	100	90	22.62	22.62	113.99	0.00	1048 (5)	56891 (5)	13223 (5)
19-14-S	100	90	22.62	22.62	123.79	0.00	1238 (8)	67163 (8)	15610 (8)
19-15-S	100	90	22.62	22.62	107.23	0.00	1072 (8)	58182 (8)	13523 (8)
19-16-S	100	90	22.62	22.62	67.36	-0.87	674 (8)	36549 (8)	8495 (8)
19-17-S	100	90	22.62	22.62	38.88	-12.01	486 (8)	26371 (8)	8142 (8)
19-18-S	100	90	22.62	22.62	23.21	-32.21	451 (8)	20344 (8)	24466 (8)
19-19-S	100	90	22.62	22.62	14.10	-29.24	384 (8)	13386 (8)	20825 (8)
19-20-S	100	90	22.62	22.62	7.26	-10.45	131 (8)	6563 (8)	7086 (8)
20-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
20-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	157 (5)	677 (5)
20-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
20-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2032 (5)
20-5-S	100	90	22.62	22.62	0.00	-229.23	2292 (8)	28907 (8)	124372 (8)
20-6-S	100	90	22.62	22.62	0.00	-169.89	1699 (8)	21425 (8)	92180 (8)
20-7-S	100	90	22.62	22.62	0.00	-110.56	1106 (8)	13943 (8)	59988 (8)
20-8-S	100	90	22.62	22.62	0.00	-60.80	608 (8)	7667 (8)	32986 (8)
20-9-S	100	90	22.62	22.62	85.91	0.00	162 (5)	2044 (5)	8795 (5)
20-10-S	100	90	22.62	22.62	104.45	0.00	244 (5)	13249 (5)	3079 (5)
20-11-S	100	90	22.62	22.62	113.14	0.00	557 (5)	30220 (5)	7024 (5)
20-12-S	100	90	22.62	22.62	121.82	0.00	870 (5)	47191 (5)	10969 (5)
20-13-S	100	90	22.62	22.62	115.91	0.00	1063 (5)	57695 (5)	13410 (5)
20-14-S	100	90	22.62	22.62	125.02	0.00	1250 (8)	67830 (8)	15765 (8)
20-15-S	100	90	22.62	22.62	108.22	0.00	1082 (8)	58718 (8)	13648 (8)
20-16-S	100	90	22.62	22.62	67.43	-0.19	674 (8)	36588 (8)	8504 (8)
20-17-S	100	90	22.62	22.62	37.75	-10.35	472 (8)	25604 (8)	9363 (8)
20-18-S	100	90	22.62	22.62	22.87	-31.56	510 (8)	20043 (8)	27660 (8)
20-19-S	100	90	22.62	22.62	13.78	-28.76	431 (8)	13082 (8)	23407 (8)
20-20-S	100	90	22.62	22.62	6.67	-9.80	122 (8)	6032 (8)	6644 (8)
21-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
21-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	157 (5)	677 (5)
21-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)
21-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2032 (5)
21-5-S	100	90	22.62	22.62	0.00	-223.85	2238 (8)	28230 (8)	121456 (8)
21-6-S	100	90	22.62	22.62	0.00	-165.13	1651 (8)	20824 (8)	89592 (8)
21-7-S	100	90	22.62	22.62	0.00	-106.40	1064 (8)	13417 (8)	57728 (8)
21-8-S	100	90	22.62	22.62	0.00	-57.84	578 (8)	7294 (8)	31382 (8)
21-9-S	100	90	22.62	22.62	87.25	0.00	148 (5)	1866 (5)	8026 (5)
21-10-S	100	90	22.62	22.62	103.11	0.00	228 (5)	12383 (5)	2878 (5)
21-11-S	100	90	22.62	22.62	106.95	0.00	476 (5)	25827 (5)	6003 (5)
21-12-S	100	90	22.62	22.62	110.78	0.00	724 (5)	39270 (5)	9127 (5)
21-13-S	100	90	22.62	22.62	101.36	0.00	787 (5)	42697 (5)	9924 (5)
21-14-S	100	90	22.62	22.62	91.18	0.00	839 (5)	45551 (5)	10587 (5)
21-15-S	100	90	22.62	22.62	78.39	0.00	784 (8)	42534 (8)	9886 (8)
21-16-S	100	90	22.62	22.62	65.46	0.00	655 (8)	35516 (8)	8255 (8)
21-17-S	100	90	22.62	22.62	50.79	0.00	508 (8)	27558 (8)	6405 (8)
21-18-S	100	90	22.62	22.62	30.74	0.00	307 (8)	16677 (8)	3876 (8)
21-19-S	100	90	22.62	22.62	17.03	0.00	170 (8)	9237 (8)	2147 (8)
21-20-S	100	90	22.62	22.62	7.17	0.00	72 (8)	3892 (8)	905 (8)
22-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
22-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	157 (5)	677 (5)
22-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)
22-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2032 (5)
22-5-S	100	90	22.62	22.62	0.00	-216.99	2170 (8)	27364 (8)	117734 (8)
22-6-S	100	90	22.62	22.62	0.00	-158.53	1585 (8)	19992 (8)	86016 (8)
22-7-S	100	90	22.62	22.62	0.00	-100.08	1001 (8)	12620 (8)	54298 (8)
22-8-S	100	90	22.62	22.62	0.00	-51.24	512 (8)	6462 (8)	27802 (8)
22-9-S	100	90	22.62	22.62	97.27	0.00	83 (5)	1041 (5)	4480 (5)
22-10-S	100	90	22.62	22.62	114.44	0.00	320 (5)	17386 (5)	4041 (5)
22-11-S	100	90	22.62	22.62	121.77	0.00	624 (5)	33838 (5)	7865 (5)
22-12-S	100	90	22.62	22.62	129.11	0.00	927 (5)	50289 (5)	11688 (5)
22-13-S	100	90	22.62	22.62	121.98	0.00	1111 (5)	60301 (5)	14015 (5)
22-14-S	100	90	22.62	22.62	128.91	0.00	1289 (8)	69945 (8)	16257 (8)
22-15-S	100	90	22.62	22.62	111.29	0.00	1113 (8)	60383 (8)	14034 (8)
22-16-S	100	90	22.62	22.62	70.78	-1.25	708 (8)	38401 (8)	8926 (8)
22-17-S	100	90	22.62	22.62	41.42	-12.48	518 (8)	28088 (8)	8463 (8)
22-18-S	100	90	22.62	22.62	24.34	-32.15	450 (8)	19812 (8)	24417 (8)
22-19-S	100	90	22.62	22.62	14.78	-29.31	385 (8)	12958 (8)	20870 (8)
22-20-S	100	90	22.62	22.62	7.84	-10.80	131 (8)	7086 (8)	5859 (8)
23-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
23-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	157 (5)	677 (5)
23-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)
23-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2032 (5)
23-5-S	100	90	22.62	22.62	0.00	-206.76	2067 (8)	26073 (8)	112179 (8)
23-6-S	100	90	22.62	22.62	0.00	-149.31	1493 (8)	18829 (8)	81011 (8)
23-7-S	100	90	22.62	22.62	0.00	-91.86	919 (8)	11585 (8)	49843 (8)
23-8-S	100	90	22.62	22.62	0.00	-43.96	440 (8)	5543 (8)	23850 (8)
23-9-S	100	90	22.62	22.62	105.74	0.00	38 (5)	1410 (5)	2071 (5)
23-10-S	100	90	22.62	22.62	121.53	0.00	376 (5)	20401 (5)	4742 (5)
23-11-S	100	90	22.62	22.62	127.68	0.00	671 (5)	36435 (5)	8469 (5)
23-12-S	100	90	22.62	22.62	133.83	0.00	967 (5)	52470 (5)	12195 (5)
23-13-S	100	90	22.62	22.62	125.77	0.00	1145 (5)	62117 (5)	14438 (5)
23-14-S	100	90	22.62	22.62	131.59	0.00	1316 (8)	71399 (8)	16595 (8)
23-15-S	100	90	22.62	22.62	113.37	0.00	1134 (8)	61511 (8)	14297 (8)
23-16-S	100	90	22.62	22.62	71.09	-0.03	711 (8)	38569 (8)	8964 (8)
23-17-S	100	90	22.62	22.62	38.39	-8.45	480 (8)	26037 (8)	7644 (8)
23-18-S	100	90	22.62	22.62	23.24	-30.47	533 (8)	20369 (8)	28936 (8)
23-19-S	100	90	22.62	22.62	13.84	-28.08	491 (8)	13144 (8)	26666 (8)
23-20-S	100	90	22.62	22.62	6.04	-8.92	111 (8)	5461 (8)	6048 (8)
24-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
24-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	158 (5)	678 (5)
24-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)
24-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2033 (5)
24-5-S	100	90	22.62	22.62	0.00	-193.67	1937 (8)	24423 (8)	105080 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
24-6-S	100	90	22.62	22.62	0.00	-137.96	1379 (8)	17398 (8)	74853 (8)
24-7-S	100	90	22.62	22.62	0.00	-82.25	822 (8)	10372 (8)	44626 (8)
24-8-S	100	90	22.62	22.62	0.00	-36.38	364 (8)	4588 (8)	19741 (8)
24-9-S	100	90	22.62	22.62	111.95	0.00	62 (5)	3381 (5)	1132 (5)
24-10-S	100	90	22.62	22.62	123.69	0.00	393 (5)	21342 (5)	4960 (5)
24-11-S	100	90	22.62	22.62	124.02	0.00	619 (5)	33582 (5)	7805 (5)
24-12-S	100	90	22.62	22.62	124.35	0.00	844 (5)	45823 (5)	10650 (5)
24-13-S	100	90	22.62	22.62	112.25	0.00	888 (5)	48185 (5)	11199 (5)
24-14-S	100	90	22.62	22.62	99.43	0.00	921 (5)	49982 (5)	11617 (5)
24-15-S	100	90	22.62	22.62	84.77	0.00	848 (8)	45993 (8)	10690 (8)
24-16-S	100	90	22.62	22.62	70.14	0.00	701 (8)	38058 (8)	8846 (8)
24-17-S	100	90	22.62	22.62	53.88	0.00	539 (8)	29233 (8)	6794 (8)
24-18-S	100	90	22.62	22.62	32.50	0.00	325 (8)	17636 (8)	4099 (8)
24-19-S	100	90	22.62	22.62	17.94	0.00	179 (8)	9736 (8)	2263 (8)
24-20-S	100	90	22.62	22.62	7.53	0.00	75 (8)	4086 (8)	950 (8)
25-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	158 (5)	678 (5)
25-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	316 (5)	1358 (5)
25-4-S	100	90	22.62	22.62	0.00	-3.76	38 (5)	474 (5)	2038 (5)
25-5-S	100	90	22.62	22.62	0.00	-182.74	1827 (8)	23045 (8)	99150 (8)
25-6-S	100	90	22.62	22.62	0.00	-127.57	1276 (8)	16087 (8)	69215 (8)
25-7-S	100	90	22.62	22.62	0.00	-72.39	724 (8)	9130 (8)	39279 (8)
25-8-S	100	90	22.62	22.62	0.00	-26.42	264 (8)	3331 (8)	14333 (8)
25-9-S	100	90	22.62	22.62	124.53	0.00	149 (5)	8090 (5)	1880 (5)
25-10-S	100	90	22.62	22.62	136.65	0.00	517 (5)	28043 (5)	6518 (5)
25-11-S	100	90	22.62	22.62	139.83	0.00	796 (5)	43184 (5)	10037 (5)
25-12-S	100	90	22.62	22.62	143.02	0.00	1075 (5)	58325 (5)	13556 (5)
25-13-S	100	90	22.62	22.62	133.17	0.00	1242 (5)	67404 (5)	15666 (5)
25-14-S	100	90	22.62	22.62	140.33	0.00	1403 (8)	76136 (8)	17696 (8)
25-15-S	100	90	22.62	22.62	120.31	-0.12	1203 (8)	65277 (8)	15172 (8)
25-16-S	100	90	22.62	22.62	78.54	-3.18	785 (8)	42613 (8)	9904 (8)
25-17-S	100	90	22.62	22.62	46.50	-14.62	581 (8)	31537 (8)	9918 (8)
25-18-S	100	90	22.62	22.62	27.41	-34.60	411 (8)	22311 (8)	21902 (8)
25-19-S	100	90	22.62	22.62	16.98	-31.61	349 (8)	14881 (8)	18955 (8)
25-20-S	100	90	22.62	22.62	9.98	-12.80	166 (8)	9027 (8)	6942 (8)
26-1-S	100	90	22.62	22.62	0.05	-0.01	1 (5)	26 (5)	35 (5)
26-2-S	100	90	22.62	22.62	0.00	-1.23	12 (5)	156 (5)	669 (5)
26-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1357 (5)
26-4-S	100	90	22.62	22.62	0.00	-3.77	38 (5)	475 (5)	2045 (5)
26-5-S	100	90	22.62	22.62	0.00	-178.16	1781 (8)	22467 (8)	96663 (8)
26-6-S	100	90	22.62	22.62	0.00	-121.55	1215 (8)	15329 (8)	65951 (8)
26-7-S	100	90	22.62	22.62	0.00	-64.95	649 (8)	8190 (8)	35238 (8)
26-8-S	100	90	22.62	22.62	116.80	0.00	184 (5)	2324 (5)	10000 (5)
26-9-S	100	90	22.62	22.62	133.33	0.00	226 (5)	12288 (5)	2856 (5)
26-10-S	100	90	22.62	22.62	145.54	0.00	600 (5)	32558 (5)	7567 (5)
26-11-S	100	90	22.62	22.62	147.41	0.00	885 (5)	48043 (5)	11166 (5)
26-12-S	100	90	22.62	22.62	149.29	0.00	1171 (5)	63527 (5)	14765 (5)
26-13-S	100	90	22.62	22.62	136.22	0.00	1321 (5)	71703 (5)	16666 (5)
26-14-S	100	90	22.62	22.62	146.50	0.00	1465 (8)	79488 (8)	18475 (8)
26-15-S	100	90	22.62	22.62	125.41	-0.04	1254 (8)	68044 (8)	15815 (8)
26-16-S	100	90	22.62	22.62	80.72	-0.67	807 (8)	43797 (8)	10179 (8)
26-17-S	100	90	22.62	22.62	44.23	-8.24	546 (8)	29645 (8)	6890 (8)
26-18-S	100	90	22.62	22.62	24.93	-27.02	415 (8)	22545 (8)	14661 (8)
26-19-S	100	90	22.62	22.62	12.86	-24.92	249 (8)	11273 (8)	13522 (8)
26-20-S	100	90	22.62	22.62	7.23	-7.12	121 (8)	6541 (8)	4828 (8)

Pali in c.a.

Ip	Is	Ar [cmq]	σc [kPa]	σf [kPa]	τc [kPa]	σstf [kPa]
1	1	129.25	4715	56715		
1	2	129.25	3916	47981		
1	3	129.25	3202	40085		
1	4	129.25	2586	33162		
1	5	129.25	2088	27448		
1	6	129.25	1712	23037		
1	7	129.25	1401	19364		
1	8	129.25	1131	16175		
1	9	129.25	899	13435		
1	10	129.25	1074	15514		
1	11	129.25	1244	17540		
1	12	129.25	1385	19216		
1	13	129.25	1499	20576		
1	14	129.25	1589	21651		
1	15	129.25	1658	22472		
1	16	129.25	1707	23066		
1	17	129.25	1740	23462		
1	18	129.25	1758	23685		
1	19	129.25	1763	23759		
1	20	129.25	1758	23705		
1	21	129.25	1744	23545		

RELAZIONE DI CALCOLO

Ip	Is	Ar [cmq]	σ_c [kPa]	σ_f [kPa]	Tc [kPa]	σ_{stf} [kPa]
1	22	129.25	1722	23296		
1	23	129.25	1694	22976		
1	24	129.25	1662	22599		
1	25	129.25	1625	22179		
1	26	129.25	1587	21729		
1	27	129.25	1546	21258		
1	28	129.25	1505	20776		
1	29	129.25	1463	20292		
1	30	129.25	1422	19811		
1	31	129.25	1381	19341		
1	32	129.25	1342	18884		
1	33	129.25	1304	18446		
1	34	129.25	1268	18030		
1	35	129.25	1234	17637		
1	36	129.25	1202	17270		
1	37	129.25	1173	16929		
1	38	129.25	1146	16616		
1	39	129.25	1121	16330		
1	40	129.25	1098	16071		
1	41	129.25	1078	15840		
1	42	129.25	1060	15635		
1	43	129.25	1044	15454		
1	44	129.25	1030	15299		
1	45	129.25	1018	15166		
1	46	129.25	1008	15054		
1	47	129.25	999	14963		
1	48	129.25	995	14923		
1	49	129.25	1006	15062		
1	50	129.25	1016	15185		
1	51	129.25	1024	15293		
1	52	129.25	1031	15388		
1	53	129.25	1038	15472		
1	54	129.25	1043	15544		
1	55	129.25	1048	15608		
1	56	129.25	1052	15663		
1	57	129.25	1055	15711		
1	58	129.25	1058	15753		
1	59	129.25	1060	15790		
1	60	129.25	1062	15823		
1	61	129.25	1064	15852		
1	62	129.25	1065	15878		
1	63	129.25	1067	15901		
1	64	129.25	1068	15923		
1	65	129.25	1069	15944		
1	66	129.25	1070	15964		
1	67	129.25	1071	15984		
1	68	129.25	1072	16004		
1	69	129.25	1072	16024		
1	70	129.25	1073	16044		
1	71	129.25	1074	16065		
1	72	129.25	1076	16087		
1	73	129.25	1077	16110		
1	74	129.25	1078	16134		
1	75	129.25	1079	16160		
1	76	129.25	1081	16186		
1	77	129.25	1082	16213		
1	78	129.25	1084	16242		
1	79	129.25	1086	16272		
1	80	129.25	1088	16303		
1	81	129.25	1090	16336		
1	82	129.25	1092	16369		
1	83	129.25	1094	16404		
1	84	129.25	1096	16439		
1	85	129.25	1099	16476		
1	86	129.25	1101	16513		
1	87	129.25	1104	16551		
1	88	129.25	1106	16590		
1	89	129.25	1109	16629		
1	90	129.25	1111	16670		
1	91	129.25	1114	16712		
1	92	129.25	1117	16754		
1	93	129.25	1120	16797		
1	94	129.25	1123	16839		
1	95	129.25	1125	16881		
1	96	129.25	1128	16922		
1	97	129.25	1131	16964		
1	98	129.25	1134	17005		
1	99	129.25	1136	17047		
1	100	129.25	1139	17089		
1	101	129.25	1142	17131		
2	1	129.25	4847	60570		
2	2	129.25	4081	51988		

RELAZIONE DI CALCOLO

Ip	Is	Ar [cmq]	σ_c [kPa]	σ_f [kPa]	Tc [kPa]	σ_{stf} [kPa]
2	3	129.25	3431	44579		
2	4	129.25	2906	38495		
2	5	129.25	2494	33629		
2	6	129.25	2138	29426		
2	7	129.25	1826	25738		
2	8	129.25	1555	22534		
2	9	129.25	1322	19779		
2	10	129.25	1495	21843		
2	11	129.25	1665	23854		
2	12	129.25	1805	25515		
2	13	129.25	1918	26861		
2	14	129.25	2007	27921		
2	15	129.25	2075	28726		
2	16	129.25	2123	29306		
2	17	129.25	2155	29687		
2	18	129.25	2172	29895		
2	19	129.25	2176	29954		
2	20	129.25	2170	29886		
2	21	129.25	2155	29710		
2	22	129.25	2132	29446		
2	23	129.25	2103	29111		
2	24	129.25	2070	28719		
2	25	129.25	2032	28285		
2	26	129.25	1993	27819		
2	27	129.25	1951	27334		
2	28	129.25	1909	26837		
2	29	129.25	1866	26338		
2	30	129.25	1824	25842		
2	31	129.25	1782	25357		
2	32	129.25	1742	24885		
2	33	129.25	1703	24432		
2	34	129.25	1666	24001		
2	35	129.25	1631	23593		
2	36	129.25	1598	23211		
2	37	129.25	1568	22856		
2	38	129.25	1540	22527		
2	39	129.25	1514	22227		
2	40	129.25	1490	21953		
2	41	129.25	1469	21707		
2	42	129.25	1450	21487		
2	43	129.25	1433	21292		
2	44	129.25	1418	21121		
2	45	129.25	1405	20973		
2	46	129.25	1394	20847		
2	47	129.25	1384	20741		
2	48	129.25	1379	20686		
2	49	129.25	1389	20810		
2	50	129.25	1398	20918		
2	51	129.25	1405	21011		
2	52	129.25	1412	21091		
2	53	129.25	1417	21160		
2	54	129.25	1421	21218		
2	55	129.25	1425	21266		
2	56	129.25	1428	21307		
2	57	129.25	1430	21340		
2	58	129.25	1432	21367		
2	59	129.25	1433	21389		
2	60	129.25	1434	21406		
2	61	129.25	1435	21420		
2	62	129.25	1436	21431		
2	63	129.25	1436	21440		
2	64	129.25	1436	21447		
2	65	129.25	1436	21453		
2	66	129.25	1436	21459		
2	67	129.25	1436	21463		
2	68	129.25	1436	21468		
2	69	129.25	1436	21473		
2	70	129.25	1436	21479		
2	71	129.25	1436	21485		
2	72	129.25	1436	21492		
2	73	129.25	1436	21500		
2	74	129.25	1436	21509		
2	75	129.25	1437	21520		
2	76	129.25	1437	21531		
2	77	129.25	1438	21544		
2	78	129.25	1439	21558		
2	79	129.25	1439	21573		
2	80	129.25	1440	21589		
2	81	129.25	1441	21606		
2	82	129.25	1442	21625		
2	83	129.25	1443	21644		
2	84	129.25	1445	21665		

RELAZIONE DI CALCOLO

Ip	Is	Ar [cmq]	σ_c [kPa]	σ_f [kPa]	Tc [kPa]	σ_{stf} [kPa]
2	85	129.25	1446	21687		
2	86	129.25	1447	21709		
2	87	129.25	1449	21732		
2	88	129.25	1450	21756		
2	89	129.25	1452	21781		
2	90	129.25	1454	21806		
2	91	129.25	1456	21833		
2	92	129.25	1457	21861		
2	93	129.25	1459	21889		
2	94	129.25	1461	21916		
2	95	129.25	1463	21943		
2	96	129.25	1465	21969		
2	97	129.25	1466	21996		
2	98	129.25	1468	22023		
2	99	129.25	1470	22049		
2	100	129.25	1472	22076		
2	101	129.25	1474	22103		

10.2.6 Combinazioni SLEF

Paramento

Tensione massima di compressione nel calcestruzzo 33200 [kPa]
Tensione massima di trazione dell'acciaio 450000 [kPa]

n°	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	M [kNm]	N [kN]	σ_c [kPa]	σ_f [kPa]	σ_{fs} [kPa]
1	100	30	18.10	22.62	-0.45	3.00	46 (6)	324 (6)	469 (6)
2	100	31	18.10	22.62	-0.40	3.74	37 (6)	331 (6)	176 (6)
3	100	32	18.10	22.62	-0.29	4.50	26 (6)	292 (6)	53 (6)
4	100	33	18.10	22.62	-0.11	5.29	18 (6)	241 (6)	163 (6)
5	100	34	18.10	22.62	0.15	6.11	22 (6)	168 (6)	289 (6)
6	100	35	18.10	22.62	0.49	6.95	38 (6)	67 (6)	439 (6)
7	100	36	18.10	22.62	0.91	7.81	61 (6)	211 (6)	632 (6)
8	100	37	18.10	22.62	1.42	8.71	90 (6)	715 (6)	850 (6)
9	100	38	18.10	22.62	2.03	9.62	121 (6)	1370 (6)	1081 (6)
10	100	39	18.10	22.62	2.73	10.56	155 (6)	2139 (6)	1327 (6)
11	100	40	18.10	22.62	3.54	11.53	191 (6)	3006 (6)	1590 (6)
12	100	41	18.10	22.62	4.46	12.52	228 (6)	3964 (6)	1870 (6)
13	100	42	18.10	22.62	5.49	13.54	267 (6)	5008 (6)	2167 (6)
14	100	44	18.10	22.62	6.64	14.58	308 (6)	6135 (6)	2482 (6)
15	100	45	18.10	22.62	7.91	15.64	349 (6)	7343 (6)	2814 (6)
16	100	46	18.10	22.62	9.31	16.74	392 (6)	8631 (6)	3163 (6)
17	100	47	18.10	22.62	10.84	17.85	437 (6)	9997 (6)	3529 (6)
18	100	48	18.10	22.62	12.51	19.00	482 (6)	11440 (6)	3911 (6)
19	100	49	18.10	22.62	14.32	20.16	529 (6)	12958 (6)	4309 (6)
20	100	50	18.10	22.62	16.28	21.36	577 (6)	14551 (6)	4723 (6)
21	100	51	18.10	22.62	18.39	22.57	625 (6)	16218 (6)	5151 (6)
22	100	52	18.10	22.62	20.65	23.82	675 (6)	17959 (6)	5595 (6)
23	100	53	18.10	22.62	23.08	25.08	726 (6)	19772 (6)	6054 (6)
24	100	54	18.10	22.62	25.67	26.38	778 (6)	21657 (6)	6527 (6)
25	100	55	18.10	22.62	28.43	27.70	830 (6)	23614 (6)	7013 (6)
26	100	56	18.10	22.62	31.37	29.04	884 (6)	25642 (6)	7514 (6)
27	100	57	18.10	22.62	34.48	30.41	938 (6)	27741 (6)	8028 (6)
28	100	58	18.10	22.62	37.78	31.80	993 (6)	29910 (6)	8555 (6)
29	100	59	18.10	45.24	41.27	33.22	844 (6)	16848 (6)	8565 (6)
30	100	60	18.10	45.24	44.96	34.67	889 (6)	18045 (6)	9061 (6)
31	100	61	18.10	45.24	48.84	36.14	934 (6)	19279 (6)	9567 (6)
32	100	62	18.10	45.24	52.93	37.63	980 (6)	20548 (6)	10082 (6)
33	100	63	18.10	45.24	57.23	39.15	1026 (6)	21852 (6)	10606 (6)
34	100	64	18.10	45.24	61.74	40.70	1073 (6)	23191 (6)	11139 (6)
35	100	65	0.00	45.24	66.46	42.27	1245 (6)	24921 (6)	0 (6)
36	100	66	0.00	45.24	71.41	43.86	1298 (6)	26351 (6)	0 (6)
37	100	67	0.00	45.24	76.59	45.48	1351 (6)	27816 (6)	0 (6)
38	100	68	0.00	45.24	82.00	47.13	1404 (6)	29317 (6)	0 (6)
39	100	69	0.00	45.24	87.65	48.80	1458 (6)	30852 (6)	0 (6)
40	100	71	0.00	45.24	93.54	50.50	1513 (6)	32423 (6)	0 (6)
41	100	72	0.00	45.24	99.67	52.22	1568 (6)	34028 (6)	0 (6)
42	100	73	0.00	45.24	106.06	53.96	1623 (6)	35668 (6)	0 (6)
43	100	74	0.00	45.24	112.70	55.73	1679 (6)	37343 (6)	0 (6)
44	100	75	0.00	45.24	119.61	57.53	1740 (6)	39124 (6)	0 (6)

RELAZIONE DI CALCOLO

Piastra fondazione

Tensione massima di compressione nel calcestruzzo 19920 [kPa]
Tensione massima di trazione dell'acciaio 360000 [kPa]

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
1-1-P	55	90	18.10	18.10	0.03	-0.23	3 (5)	98 (5)	157 (5)
1-2-P	55	90	18.10	18.10	0.02	-0.24	4 (5)	68 (5)	166 (5)
1-3-P	55	90	18.10	18.10	0.01	-0.26	4 (5)	49 (5)	175 (5)
1-4-P	55	90	18.10	18.10	0.00	-0.27	4 (5)	53 (5)	186 (5)
1-5-P	55	90	18.10	18.10	0.00	-0.30	4 (5)	57 (5)	203 (5)
1-6-P	55	90	18.10	18.10	0.00	-0.30	5 (5)	58 (5)	206 (5)
1-7-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	59 (5)	209 (5)
1-8-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-9-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-10-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-11-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-12-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-13-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-14-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-15-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-16-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-17-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-18-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-19-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-20-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-21-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-22-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-23-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-24-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-25-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-26-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-27-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-28-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-29-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-30-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-31-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-32-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-33-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-34-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-35-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-36-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-37-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-38-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-39-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-40-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-41-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-42-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-43-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-44-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-45-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-46-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-47-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-48-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-49-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-50-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-51-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-52-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-53-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-54-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-55-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-56-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-57-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-58-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-59-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-60-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-61-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-62-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-63-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-64-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-65-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-66-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-67-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-68-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-69-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-70-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-71-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-72-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-73-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-74-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
1-75-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	59 (5)	209 (5)
1-76-P	55	90	18.10	18.10	0.00	-0.30	5 (5)	58 (5)	206 (5)
1-77-P	55	90	18.10	18.10	0.00	-0.30	4 (5)	57 (5)	203 (5)
1-78-P	55	90	18.10	18.10	0.00	-0.27	4 (5)	53 (5)	186 (5)
1-79-P	55	90	18.10	18.10	0.01	-0.26	4 (5)	49 (5)	175 (5)
1-80-P	55	90	18.10	18.10	0.02	-0.24	4 (5)	68 (5)	166 (5)
1-81-P	55	90	18.10	18.10	0.03	-0.23	3 (5)	98 (5)	157 (5)
3-1-P	93	90	22.62	22.62	1.67	-13.99	153 (8)	2123 (8)	7978 (8)
3-2-P	93	90	22.62	22.62	0.28	-15.57	170 (8)	2152 (8)	8881 (8)
3-3-P	93	90	22.62	22.62	0.00	-18.26	190 (8)	2404 (8)	9920 (8)
3-4-P	93	90	22.62	22.62	0.02	-20.55	213 (8)	2705 (8)	11162 (8)
3-5-P	93	90	22.62	22.62	0.04	-22.84	237 (8)	3007 (8)	12407 (8)
3-6-P	93	90	22.62	22.62	0.06	-23.61	245 (8)	3109 (8)	12829 (8)
3-7-P	93	90	22.62	22.62	0.07	-24.39	253 (8)	3211 (8)	13252 (8)
3-8-P	93	90	22.62	22.62	0.08	-24.99	260 (8)	3290 (8)	13576 (8)
3-9-P	93	90	22.62	22.62	0.07	-25.46	264 (8)	3353 (8)	13834 (8)
3-10-P	93	90	22.62	22.62	0.05	-25.92	269 (8)	3413 (8)	14083 (8)
3-11-P	93	90	22.62	22.62	0.02	-26.33	273 (8)	3467 (8)	14307 (8)
3-12-P	93	90	22.62	22.62	0.00	-26.75	278 (8)	3521 (8)	14531 (8)
3-13-P	93	90	22.62	22.62	0.00	-27.13	282 (8)	3572 (8)	14741 (8)
3-14-P	93	90	22.62	22.62	0.00	-27.51	286 (8)	3622 (8)	14944 (8)
3-15-P	93	90	22.62	22.62	0.00	-27.92	290 (8)	3675 (8)	15166 (8)
3-16-P	93	90	22.62	22.62	0.00	-28.37	295 (8)	3736 (8)	15415 (8)
3-17-P	93	90	22.62	22.62	0.00	-28.83	299 (8)	3796 (8)	15664 (8)
3-18-P	93	90	22.62	22.62	0.00	-29.48	306 (8)	3881 (8)	16016 (8)
3-19-P	93	90	22.62	22.62	0.00	-30.13	313 (8)	3967 (8)	16368 (8)
3-20-P	93	90	22.62	22.62	0.00	-30.77	320 (8)	4052 (8)	16719 (8)
3-21-P	93	90	22.62	22.62	0.00	-31.42	326 (8)	4136 (8)	17068 (8)
3-22-P	93	90	22.62	22.62	0.00	-32.01	332 (8)	4214 (8)	17390 (8)
3-23-P	93	90	22.62	22.62	0.00	-32.40	336 (8)	4266 (8)	17604 (8)
3-24-P	93	90	22.62	22.62	0.00	-32.80	341 (8)	4318 (8)	17819 (8)
3-25-P	93	90	22.62	22.62	0.00	-32.99	343 (8)	4344 (8)	17925 (8)
3-26-P	93	90	22.62	22.62	0.00	-33.14	344 (8)	4363 (8)	18004 (8)
3-27-P	93	90	22.62	22.62	0.00	-33.28	346 (8)	4382 (8)	18082 (8)
3-28-P	93	90	22.62	22.62	0.00	-33.42	347 (8)	4400 (8)	18157 (8)
3-29-P	93	90	22.62	22.62	0.00	-33.56	348 (8)	4419 (8)	18232 (8)
3-30-P	93	90	22.62	22.62	0.00	-33.87	352 (8)	4459 (8)	18398 (8)
3-31-P	93	90	22.62	22.62	0.00	-34.17	355 (8)	4499 (8)	18563 (8)
3-32-P	93	90	22.62	22.62	0.00	-34.48	358 (8)	4540 (8)	18732 (8)
3-33-P	93	90	22.62	22.62	0.00	-34.79	361 (8)	4581 (8)	18902 (8)
3-34-P	93	90	22.62	22.62	0.00	-35.06	364 (8)	4616 (8)	19048 (8)
3-35-P	93	90	22.62	22.62	0.00	-35.16	365 (8)	4629 (8)	19100 (8)
3-36-P	93	90	22.62	22.62	0.00	-35.25	366 (8)	4641 (8)	19151 (8)
3-37-P	93	90	22.62	22.62	0.00	-35.17	365 (8)	4631 (8)	19109 (8)
3-38-P	93	90	22.62	22.62	0.00	-35.06	364 (8)	4615 (8)	19045 (8)
3-39-P	93	90	22.62	22.62	0.00	-34.95	363 (8)	4601 (8)	18985 (8)
3-40-P	93	90	22.62	22.62	0.00	-34.85	362 (8)	4588 (8)	18933 (8)
3-41-P	93	90	22.62	22.62	0.00	-34.76	361 (8)	4576 (8)	18881 (8)
3-42-P	93	90	22.62	22.62	0.00	-34.85	362 (8)	4588 (8)	18933 (8)
3-43-P	93	90	22.62	22.62	0.00	-34.95	363 (8)	4601 (8)	18985 (8)
3-44-P	93	90	22.62	22.62	0.00	-35.06	364 (8)	4615 (8)	19045 (8)
3-45-P	93	90	22.62	22.62	0.00	-35.17	365 (8)	4631 (8)	19109 (8)
3-46-P	93	90	22.62	22.62	0.00	-35.25	366 (8)	4641 (8)	19151 (8)
3-47-P	93	90	22.62	22.62	0.00	-35.16	365 (8)	4629 (8)	19100 (8)
3-48-P	93	90	22.62	22.62	0.00	-35.06	364 (8)	4616 (8)	19048 (8)
3-49-P	93	90	22.62	22.62	0.00	-34.79	361 (8)	4581 (8)	18902 (8)
3-50-P	93	90	22.62	22.62	0.00	-34.48	358 (8)	4540 (8)	18732 (8)
3-51-P	93	90	22.62	22.62	0.00	-34.17	355 (8)	4499 (8)	18563 (8)
3-52-P	93	90	22.62	22.62	0.00	-33.87	352 (8)	4459 (8)	18398 (8)
3-53-P	93	90	22.62	22.62	0.00	-33.56	348 (8)	4419 (8)	18232 (8)
3-54-P	93	90	22.62	22.62	0.00	-33.42	347 (8)	4400 (8)	18157 (8)
3-55-P	93	90	22.62	22.62	0.00	-33.28	346 (8)	4382 (8)	18082 (8)
3-56-P	93	90	22.62	22.62	0.00	-33.14	344 (8)	4363 (8)	18004 (8)
3-57-P	93	90	22.62	22.62	0.00	-32.99	343 (8)	4344 (8)	17925 (8)
3-58-P	93	90	22.62	22.62	0.00	-32.80	341 (8)	4318 (8)	17819 (8)
3-59-P	93	90	22.62	22.62	0.00	-32.40	336 (8)	4266 (8)	17604 (8)
3-60-P	93	90	22.62	22.62	0.00	-32.01	332 (8)	4214 (8)	17390 (8)
3-61-P	93	90	22.62	22.62	0.00	-31.42	326 (8)	4136 (8)	17068 (8)
3-62-P	93	90	22.62	22.62	0.00	-30.77	320 (8)	4052 (8)	16719 (8)
3-63-P	93	90	22.62	22.62	0.00	-30.13	313 (8)	3967 (8)	16368 (8)
3-64-P	93	90	22.62	22.62	0.00	-29.48	306 (8)	3881 (8)	16016 (8)
3-65-P	93	90	22.62	22.62	0.00	-28.83	299 (8)	3796 (8)	15664 (8)
3-66-P	93	90	22.62	22.62	0.00	-28.37	295 (8)	3736 (8)	15415 (8)
3-67-P	93	90	22.62	22.62	0.00	-27.92	290 (8)	3675 (8)	15166 (8)
3-68-P	93	90	22.62	22.62	0.00	-27.51	286 (8)	3622 (8)	14944 (8)
3-69-P	93	90	22.62	22.62	0.00	-27.13	282 (8)	3572 (8)	14741 (8)
3-70-P	93	90	22.62	22.62	0.00	-26.75	278 (8)	3521 (8)	14531 (8)
3-71-P	93	90	22.62	22.62	0.02	-26.33	273 (8)	3467 (8)	14307 (8)
3-72-P	93	90	22.62	22.62	0.05	-25.92	269 (8)	3413 (8)	14083 (8)
3-73-P	93	90	22.62	22.62	0.07	-25.46	264 (8)	3353 (8)	13834 (8)
3-74-P	93	90	22.62	22.62	0.08	-24.99	260 (8)	3290 (8)	13576 (8)
3-75-P	93	90	22.62	22.62	0.07	-24.39	253 (8)	3211 (8)	13252 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
3-76-P	93	90	22.62	22.62	0.06	-23.61	245 (8)	3109 (8)	12829 (8)
3-77-P	93	90	22.62	22.62	0.04	-22.84	237 (8)	3007 (8)	12407 (8)
3-78-P	93	90	22.62	22.62	0.02	-20.55	213 (8)	2705 (8)	11162 (8)
3-79-P	93	90	22.62	22.62	0.00	-18.26	190 (8)	2404 (8)	9920 (8)
3-80-P	93	90	22.62	22.62	0.28	-15.57	170 (8)	2152 (8)	8881 (8)
3-81-P	93	90	22.62	22.62	1.67	-13.99	153 (8)	2123 (8)	7978 (8)
4-1-P	92	90	22.62	22.62	1.44	-1.46	27 (5)	430 (5)	1405 (5)
4-2-P	92	90	22.62	22.62	3.83	-0.13	20 (5)	1044 (5)	253 (5)
4-3-P	92	90	22.62	22.62	7.42	0.00	50 (5)	2595 (5)	629 (5)
4-4-P	92	90	22.62	22.62	13.21	0.00	87 (5)	4564 (5)	1106 (5)
4-5-P	92	90	22.62	22.62	18.99	0.00	125 (5)	6556 (5)	1589 (5)
4-6-P	92	90	22.62	22.62	23.54	0.00	130 (5)	6822 (5)	1653 (5)
4-7-P	92	90	22.62	22.62	28.09	0.00	136 (5)	7105 (5)	1722 (5)
4-8-P	92	90	22.62	22.62	31.96	0.00	139 (5)	7278 (5)	1764 (5)
4-9-P	92	90	22.62	22.62	35.38	0.00	141 (5)	7387 (5)	1790 (5)
4-10-P	92	90	22.62	22.62	38.24	0.00	144 (5)	7515 (5)	1821 (5)
4-11-P	92	90	22.62	22.62	38.90	0.00	148 (5)	7733 (5)	1874 (5)
4-12-P	92	90	22.62	22.62	39.55	0.00	152 (5)	7949 (5)	1926 (5)
4-13-P	92	90	22.62	22.62	38.46	0.00	160 (5)	8355 (5)	2025 (5)
4-14-P	92	90	22.62	22.62	36.93	0.00	168 (5)	8811 (5)	2135 (5)
4-15-P	92	90	22.62	22.62	35.69	0.00	178 (5)	9323 (5)	2259 (5)
4-16-P	92	90	22.62	22.62	34.89	0.00	190 (5)	9918 (5)	2404 (5)
4-17-P	92	90	22.62	22.62	34.09	0.00	201 (5)	10513 (5)	2548 (5)
4-18-P	92	90	22.62	22.62	33.97	0.00	184 (5)	9630 (5)	2334 (5)
4-19-P	92	90	22.62	22.62	33.84	0.00	176 (5)	9192 (5)	2228 (5)
4-20-P	92	90	22.62	22.62	34.34	0.00	161 (5)	8432 (5)	2043 (5)
4-21-P	92	90	22.62	22.62	35.27	0.00	156 (5)	8184 (5)	1983 (5)
4-22-P	92	90	22.62	22.62	35.90	0.00	145 (5)	7608 (5)	1844 (5)
4-23-P	92	90	22.62	22.62	35.39	0.00	141 (5)	7401 (5)	1793 (5)
4-24-P	92	90	22.62	22.62	34.88	0.00	145 (5)	7597 (5)	1841 (5)
4-25-P	92	90	22.62	22.62	33.24	0.00	149 (5)	7809 (5)	1893 (5)
4-26-P	92	90	22.62	22.62	31.31	0.00	155 (5)	8124 (5)	1969 (5)
4-27-P	92	90	22.62	22.62	29.85	0.00	164 (5)	8576 (5)	2078 (5)
4-28-P	92	90	22.62	22.62	29.07	0.00	176 (5)	9231 (5)	2237 (5)
4-29-P	92	90	22.62	22.62	28.30	0.00	189 (5)	9886 (5)	2396 (5)
4-30-P	92	90	22.62	22.62	28.40	0.00	171 (5)	8967 (5)	2173 (5)
4-31-P	92	90	22.62	22.62	28.50	0.00	154 (5)	8046 (5)	1950 (5)
4-32-P	92	90	22.62	22.62	29.29	0.00	140 (5)	7324 (5)	1969 (5)
4-33-P	92	90	22.62	22.62	30.54	0.00	136 (5)	7137 (5)	2283 (5)
4-34-P	92	90	22.62	22.62	31.51	0.00	127 (5)	6653 (5)	2117 (5)
4-35-P	92	90	22.62	22.62	31.35	0.00	126 (5)	6581 (5)	2671 (5)
4-36-P	92	90	22.62	22.62	31.20	0.00	125 (5)	6515 (5)	2729 (5)
4-37-P	92	90	22.62	22.62	29.91	0.00	131 (5)	6876 (5)	2518 (5)
4-38-P	92	90	22.62	22.62	28.35	0.00	140 (5)	7343 (5)	2238 (5)
4-39-P	92	90	22.62	22.62	27.23	0.00	152 (5)	7954 (5)	2000 (5)
4-40-P	92	90	22.62	22.62	26.80	0.00	159 (5)	8297 (5)	2011 (5)
4-41-P	92	90	22.62	22.62	26.37	0.00	174 (5)	9089 (5)	2203 (5)
4-42-P	92	90	22.62	22.62	26.80	0.00	159 (5)	8297 (5)	2011 (5)
4-43-P	92	90	22.62	22.62	27.23	0.00	152 (5)	7954 (5)	2000 (5)
4-44-P	92	90	22.62	22.62	28.35	0.00	140 (5)	7343 (5)	2238 (5)
4-45-P	92	90	22.62	22.62	29.91	0.00	131 (5)	6876 (5)	2518 (5)
4-46-P	92	90	22.62	22.62	31.20	0.00	125 (5)	6515 (5)	2729 (5)
4-47-P	92	90	22.62	22.62	31.35	0.00	126 (5)	6581 (5)	2671 (5)
4-48-P	92	90	22.62	22.62	31.51	0.00	127 (5)	6653 (5)	2117 (5)
4-49-P	92	90	22.62	22.62	30.54	0.00	136 (5)	7137 (5)	2283 (5)
4-50-P	92	90	22.62	22.62	29.29	0.00	140 (5)	7324 (5)	1969 (5)
4-51-P	92	90	22.62	22.62	28.50	0.00	154 (5)	8046 (5)	1950 (5)
4-52-P	92	90	22.62	22.62	28.40	0.00	171 (5)	8967 (5)	2173 (5)
4-53-P	92	90	22.62	22.62	28.30	0.00	189 (5)	9886 (5)	2396 (5)
4-54-P	92	90	22.62	22.62	29.07	0.00	176 (5)	9231 (5)	2237 (5)
4-55-P	92	90	22.62	22.62	29.85	0.00	164 (5)	8576 (5)	2078 (5)
4-56-P	92	90	22.62	22.62	31.31	0.00	155 (5)	8124 (5)	1969 (5)
4-57-P	92	90	22.62	22.62	33.24	0.00	149 (5)	7809 (5)	1893 (5)
4-58-P	92	90	22.62	22.62	34.88	0.00	145 (5)	7597 (5)	1841 (5)
4-59-P	92	90	22.62	22.62	35.39	0.00	141 (5)	7401 (5)	1793 (5)
4-60-P	92	90	22.62	22.62	35.90	0.00	145 (5)	7608 (5)	1844 (5)
4-61-P	92	90	22.62	22.62	35.27	0.00	156 (5)	8184 (5)	1983 (5)
4-62-P	92	90	22.62	22.62	34.34	0.00	161 (5)	8432 (5)	2043 (5)
4-63-P	92	90	22.62	22.62	33.84	0.00	176 (5)	9192 (5)	2228 (5)
4-64-P	92	90	22.62	22.62	33.97	0.00	184 (5)	9630 (5)	2334 (5)
4-65-P	92	90	22.62	22.62	34.09	0.00	201 (5)	10513 (5)	2548 (5)
4-66-P	92	90	22.62	22.62	34.89	0.00	190 (5)	9918 (5)	2404 (5)
4-67-P	92	90	22.62	22.62	35.69	0.00	178 (5)	9323 (5)	2259 (5)
4-68-P	92	90	22.62	22.62	36.93	0.00	168 (5)	8811 (5)	2135 (5)
4-69-P	92	90	22.62	22.62	38.46	0.00	160 (5)	8355 (5)	2025 (5)
4-70-P	92	90	22.62	22.62	39.55	0.00	152 (5)	7949 (5)	1926 (5)
4-71-P	92	90	22.62	22.62	38.90	0.00	148 (5)	7733 (5)	1874 (5)
4-72-P	92	90	22.62	22.62	38.24	0.00	144 (5)	7515 (5)	1821 (5)
4-73-P	92	90	22.62	22.62	35.38	0.00	141 (5)	7387 (5)	1790 (5)
4-74-P	92	90	22.62	22.62	31.96	0.00	139 (5)	7278 (5)	1764 (5)
4-75-P	92	90	22.62	22.62	28.09	0.00	136 (5)	7105 (5)	1722 (5)
4-76-P	92	90	22.62	22.62	23.54	0.00	130 (5)	6822 (5)	1653 (5)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
4-77-P	92	90	22.62	22.62	18.99	0.00	125 (5)	6556 (5)	1589 (5)
4-78-P	92	90	22.62	22.62	13.21	0.00	87 (5)	4564 (5)	1106 (5)
4-79-P	92	90	22.62	22.62	7.42	0.00	50 (5)	2595 (5)	629 (5)
4-80-P	92	90	22.62	22.62	3.83	-0.13	20 (5)	1044 (5)	253 (5)
4-81-P	92	90	22.62	22.62	1.44	-1.46	27 (5)	430 (5)	1405 (5)
5-1-P	92	90	22.62	22.62	4.54	-0.15	47 (8)	2467 (8)	598 (8)
5-2-P	92	90	22.62	22.62	1.56	-0.08	16 (8)	850 (8)	226 (8)
5-3-P	92	90	22.62	22.62	4.18	-5.61	72 (8)	2273 (8)	3762 (8)
5-4-P	92	90	22.62	22.62	10.22	-5.44	169 (8)	5553 (8)	8861 (8)
5-5-P	92	90	22.62	22.62	21.44	-10.45	380 (8)	11648 (8)	19867 (8)
5-6-P	92	90	22.62	22.62	19.87	-5.33	206 (8)	10795 (8)	10129 (8)
5-7-P	92	90	22.62	22.62	21.35	-3.25	222 (8)	11597 (8)	5300 (8)
5-8-P	92	90	22.62	22.62	26.00	0.00	253 (5)	13227 (5)	3206 (5)
5-9-P	92	90	22.62	22.62	39.87	0.00	321 (5)	16772 (5)	4065 (5)
5-10-P	92	90	22.62	22.62	51.22	0.00	382 (5)	20003 (5)	4848 (5)
5-11-P	92	90	22.62	22.62	52.48	0.00	392 (5)	20500 (5)	4968 (5)
5-12-P	92	90	22.62	22.62	53.75	0.00	401 (5)	20998 (5)	5089 (5)
5-13-P	92	90	22.62	22.62	45.44	0.00	364 (5)	19038 (5)	4614 (5)
5-14-P	92	90	22.62	22.62	34.73	0.00	315 (5)	16463 (5)	3990 (5)
5-15-P	92	90	22.62	22.62	27.84	0.00	289 (8)	15125 (8)	3666 (8)
5-16-P	92	90	22.62	22.62	29.26	-0.83	304 (8)	15897 (8)	4742 (8)
5-17-P	92	90	22.62	22.62	34.28	-5.26	356 (8)	18622 (8)	11998 (8)
5-18-P	92	90	22.62	22.62	30.15	-1.89	313 (8)	16379 (8)	5399 (8)
5-19-P	92	90	22.62	22.62	28.24	-0.74	293 (8)	15340 (8)	3717 (8)
5-20-P	92	90	22.62	22.62	33.83	0.00	311 (5)	16262 (5)	3941 (5)
5-21-P	92	90	22.62	22.62	44.53	0.00	361 (5)	18879 (5)	4575 (5)
5-22-P	92	90	22.62	22.62	53.00	0.00	400 (5)	20935 (5)	5074 (5)
5-23-P	92	90	22.62	22.62	52.50	0.00	397 (5)	20747 (5)	5028 (5)
5-24-P	92	90	22.62	22.62	51.99	0.00	393 (5)	20559 (5)	4982 (5)
5-25-P	92	90	22.62	22.62	42.56	0.00	347 (5)	18146 (5)	4398 (5)
5-26-P	92	90	22.62	22.62	30.91	0.00	290 (5)	15177 (5)	3678 (5)
5-27-P	92	90	22.62	22.62	25.02	-0.12	260 (8)	13593 (8)	3294 (8)
5-28-P	92	90	22.62	22.62	26.70	-1.54	277 (8)	14508 (8)	5856 (8)
5-29-P	92	90	22.62	22.62	31.41	-5.99	326 (8)	17067 (8)	13666 (8)
5-30-P	92	90	22.62	22.62	26.63	-2.03	277 (8)	14468 (8)	5803 (8)
5-31-P	92	90	22.62	22.62	24.40	-0.63	253 (8)	13257 (8)	3213 (8)
5-32-P	92	90	22.62	22.62	28.56	0.00	273 (5)	14259 (5)	3456 (5)
5-33-P	92	90	22.62	22.62	39.46	0.00	324 (5)	16932 (5)	4103 (5)
5-34-P	92	90	22.62	22.62	48.14	0.00	364 (5)	19054 (5)	4618 (5)
5-35-P	92	90	22.62	22.62	47.94	0.00	363 (5)	18975 (5)	4598 (5)
5-36-P	92	90	22.62	22.62	47.74	0.00	361 (5)	18895 (5)	4579 (5)
5-37-P	92	90	22.62	22.62	38.67	0.00	318 (5)	16614 (5)	4026 (5)
5-38-P	92	90	22.62	22.62	27.38	0.00	263 (5)	13783 (5)	3340 (5)
5-39-P	92	90	22.62	22.62	23.10	-0.50	240 (8)	12549 (8)	3041 (8)
5-40-P	92	90	22.62	22.62	25.22	-2.08	262 (8)	13703 (8)	5944 (8)
5-41-P	92	90	22.62	22.62	30.10	-6.42	313 (8)	16352 (8)	14651 (8)
5-42-P	92	90	22.62	22.62	25.22	-2.08	262 (8)	13703 (8)	5944 (8)
5-43-P	92	90	22.62	22.62	23.10	-0.50	240 (8)	12549 (8)	3041 (8)
5-44-P	92	90	22.62	22.62	27.38	0.00	263 (5)	13783 (5)	3340 (5)
5-45-P	92	90	22.62	22.62	38.67	0.00	318 (5)	16614 (5)	4026 (5)
5-46-P	92	90	22.62	22.62	47.74	0.00	361 (5)	18895 (5)	4579 (5)
5-47-P	92	90	22.62	22.62	47.94	0.00	363 (5)	18975 (5)	4598 (5)
5-48-P	92	90	22.62	22.62	48.14	0.00	364 (5)	19054 (5)	4618 (5)
5-49-P	92	90	22.62	22.62	39.46	0.00	324 (5)	16932 (5)	4103 (5)
5-50-P	92	90	22.62	22.62	28.56	0.00	273 (5)	14259 (5)	3456 (5)
5-51-P	92	90	22.62	22.62	24.40	-0.63	253 (8)	13257 (8)	3213 (8)
5-52-P	92	90	22.62	22.62	26.63	-2.03	277 (8)	14468 (8)	5803 (8)
5-53-P	92	90	22.62	22.62	31.41	-5.99	326 (8)	17067 (8)	13666 (8)
5-54-P	92	90	22.62	22.62	26.70	-1.54	277 (8)	14508 (8)	5856 (8)
5-55-P	92	90	22.62	22.62	25.02	-0.12	260 (8)	13593 (8)	3294 (8)
5-56-P	92	90	22.62	22.62	30.91	0.00	290 (5)	15177 (5)	3678 (5)
5-57-P	92	90	22.62	22.62	42.56	0.00	347 (5)	18146 (5)	4398 (5)
5-58-P	92	90	22.62	22.62	51.99	0.00	393 (5)	20559 (5)	4982 (5)
5-59-P	92	90	22.62	22.62	52.50	0.00	397 (5)	20747 (5)	5028 (5)
5-60-P	92	90	22.62	22.62	53.00	0.00	400 (5)	20935 (5)	5074 (5)
5-61-P	92	90	22.62	22.62	44.53	0.00	361 (5)	18879 (5)	4575 (5)
5-62-P	92	90	22.62	22.62	33.83	0.00	311 (5)	16262 (5)	3941 (5)
5-63-P	92	90	22.62	22.62	28.24	-0.74	293 (8)	15340 (8)	3717 (8)
5-64-P	92	90	22.62	22.62	30.15	-1.89	313 (8)	16379 (8)	5399 (8)
5-65-P	92	90	22.62	22.62	34.28	-5.26	356 (8)	18622 (8)	11998 (8)
5-66-P	92	90	22.62	22.62	29.26	-0.83	304 (8)	15897 (8)	4742 (8)
5-67-P	92	90	22.62	22.62	27.84	0.00	289 (8)	15125 (8)	3666 (8)
5-68-P	92	90	22.62	22.62	34.73	0.00	315 (5)	16463 (5)	3990 (5)
5-69-P	92	90	22.62	22.62	45.44	0.00	364 (5)	19038 (5)	4614 (5)
5-70-P	92	90	22.62	22.62	53.75	0.00	401 (5)	20998 (5)	5089 (5)
5-71-P	92	90	22.62	22.62	52.48	0.00	392 (5)	20500 (5)	4968 (5)
5-72-P	92	90	22.62	22.62	51.22	0.00	382 (5)	20003 (5)	4848 (5)
5-73-P	92	90	22.62	22.62	39.87	0.00	321 (5)	16772 (5)	4065 (5)
5-74-P	92	90	22.62	22.62	26.00	0.00	253 (5)	13227 (5)	3206 (5)
5-75-P	92	90	22.62	22.62	21.35	-3.25	222 (8)	11597 (8)	5300 (8)
5-76-P	92	90	22.62	22.62	19.87	-5.33	206 (8)	10795 (8)	10129 (8)
5-77-P	92	90	22.62	22.62	21.44	-10.45	380 (8)	11648 (8)	19867 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
5-78-P	92	90	22.62	22.62	10.22	-5.44	169 (8)	5553 (8)	8861 (8)
5-79-P	92	90	22.62	22.62	4.18	-5.61	72 (8)	2273 (8)	3762 (8)
5-80-P	92	90	22.62	22.62	1.56	-0.08	16 (8)	850 (8)	226 (8)
5-81-P	92	90	22.62	22.62	4.54	-0.15	47 (8)	2467 (8)	598 (8)
6-1-P	92	90	22.62	22.62	1.78	-6.79	88 (8)	1118 (8)	4612 (8)
6-2-P	92	90	22.62	22.62	0.63	-14.16	111 (5)	1402 (5)	5786 (5)
6-3-P	92	90	22.62	22.62	8.03	-20.50	213 (8)	4362 (8)	11137 (8)
6-4-P	92	90	22.62	22.62	0.00	-69.60	528 (5)	6698 (5)	27639 (5)
6-5-P	92	90	22.62	22.62	0.00	-115.80	918 (5)	11640 (5)	48031 (5)
6-6-P	92	90	22.62	22.62	0.00	-64.45	503 (5)	6379 (5)	26322 (5)
6-7-P	92	90	22.62	22.62	18.34	-23.39	243 (8)	9961 (8)	12705 (8)
6-8-P	92	90	22.62	22.62	26.32	-6.93	273 (8)	14297 (8)	3765 (8)
6-9-P	92	90	22.62	22.62	37.42	-0.03	333 (5)	17412 (5)	4220 (5)
6-10-P	92	90	22.62	22.62	52.53	0.00	440 (5)	23040 (5)	5584 (5)
6-11-P	92	90	22.62	22.62	54.06	0.00	452 (5)	23664 (5)	5735 (5)
6-12-P	92	90	22.62	22.62	55.59	0.00	464 (5)	24288 (5)	5886 (5)
6-13-P	92	90	22.62	22.62	43.51	0.00	379 (5)	19850 (5)	4811 (5)
6-14-P	92	90	22.62	22.62	28.02	0.00	270 (5)	14147 (5)	3428 (5)
6-15-P	92	90	22.62	22.62	10.69	-6.65	111 (8)	5810 (8)	3791 (8)
6-16-P	92	90	22.62	22.62	0.00	-48.20	365 (5)	4623 (5)	19075 (5)
6-17-P	92	90	22.62	22.62	0.00	-95.82	764 (5)	9689 (5)	39981 (5)
6-18-P	92	90	22.62	22.62	0.00	-48.32	381 (5)	4829 (5)	19925 (5)
6-19-P	92	90	22.62	22.62	18.21	-14.29	189 (8)	9891 (8)	7764 (8)
6-20-P	92	90	22.62	22.62	28.07	-0.18	277 (5)	14507 (5)	3516 (5)
6-21-P	92	90	22.62	22.62	43.64	0.00	381 (5)	19943 (5)	4833 (5)
6-22-P	92	90	22.62	22.62	56.13	0.00	469 (5)	24556 (5)	5951 (5)
6-23-P	92	90	22.62	22.62	55.60	0.00	465 (5)	24353 (5)	5902 (5)
6-24-P	92	90	22.62	22.62	55.08	0.00	462 (5)	24151 (5)	5853 (5)
6-25-P	92	90	22.62	22.62	41.60	0.00	366 (5)	19159 (5)	4643 (5)
6-26-P	92	90	22.62	22.62	24.88	0.00	248 (5)	12969 (5)	3143 (5)
6-27-P	92	90	22.62	22.62	12.51	-11.35	130 (8)	6798 (8)	6166 (8)
6-28-P	92	90	22.62	22.62	0.00	-52.94	402 (5)	5100 (5)	21045 (5)
6-29-P	92	90	22.62	22.62	0.00	-101.16	803 (5)	10186 (5)	42029 (5)
6-30-P	92	90	22.62	22.62	0.00	-53.84	414 (5)	5243 (5)	21635 (5)
6-31-P	92	90	22.62	22.62	14.52	-14.67	152 (8)	7890 (8)	7970 (8)
6-32-P	92	90	22.62	22.62	22.39	-0.47	233 (8)	12166 (8)	2948 (8)
6-33-P	92	90	22.62	22.62	38.06	0.00	340 (5)	17764 (5)	4305 (5)
6-34-P	92	90	22.62	22.62	50.70	0.00	429 (5)	22427 (5)	5435 (5)
6-35-P	92	90	22.62	22.62	50.46	0.00	427 (5)	22332 (5)	5412 (5)
6-36-P	92	90	22.62	22.62	50.22	0.00	425 (5)	22237 (5)	5389 (5)
6-37-P	92	90	22.62	22.62	37.11	0.00	332 (5)	17385 (5)	4213 (5)
6-38-P	92	90	22.62	22.62	21.28	-0.40	221 (8)	11560 (8)	2801 (8)
6-39-P	92	90	22.62	22.62	12.96	-14.49	151 (8)	7040 (8)	7874 (8)
6-40-P	92	90	22.62	22.62	0.00	-56.19	429 (5)	5434 (5)	22421 (5)
6-41-P	92	90	22.62	22.62	0.00	-103.97	825 (5)	10457 (5)	43150 (5)
6-42-P	92	90	22.62	22.62	0.00	-56.19	429 (5)	5434 (5)	22421 (5)
6-43-P	92	90	22.62	22.62	12.96	-14.49	151 (8)	7040 (8)	7874 (8)
6-44-P	92	90	22.62	22.62	21.28	-0.40	221 (8)	11560 (8)	2801 (8)
6-45-P	92	90	22.62	22.62	37.11	0.00	332 (5)	17385 (5)	4213 (5)
6-46-P	92	90	22.62	22.62	50.22	0.00	425 (5)	22237 (5)	5389 (5)
6-47-P	92	90	22.62	22.62	50.46	0.00	427 (5)	22332 (5)	5412 (5)
6-48-P	92	90	22.62	22.62	50.70	0.00	429 (5)	22427 (5)	5435 (5)
6-49-P	92	90	22.62	22.62	38.06	0.00	340 (5)	17764 (5)	4305 (5)
6-50-P	92	90	22.62	22.62	22.39	-0.47	233 (8)	12166 (8)	2948 (8)
6-51-P	92	90	22.62	22.62	14.52	-14.67	152 (8)	7890 (8)	7970 (8)
6-52-P	92	90	22.62	22.62	0.00	-53.84	414 (5)	5243 (5)	21635 (5)
6-53-P	92	90	22.62	22.62	0.00	-101.16	803 (5)	10186 (5)	42029 (5)
6-54-P	92	90	22.62	22.62	0.00	-52.94	402 (5)	5100 (5)	21045 (5)
6-55-P	92	90	22.62	22.62	12.51	-11.35	130 (8)	6798 (8)	6166 (8)
6-56-P	92	90	22.62	22.62	24.88	0.00	248 (5)	12969 (5)	3143 (5)
6-57-P	92	90	22.62	22.62	41.60	0.00	366 (5)	19159 (5)	4643 (5)
6-58-P	92	90	22.62	22.62	55.08	0.00	462 (5)	24151 (5)	5853 (5)
6-59-P	92	90	22.62	22.62	55.60	0.00	465 (5)	24353 (5)	5902 (5)
6-60-P	92	90	22.62	22.62	56.13	0.00	469 (5)	24556 (5)	5951 (5)
6-61-P	92	90	22.62	22.62	43.64	0.00	381 (5)	19943 (5)	4833 (5)
6-62-P	92	90	22.62	22.62	28.07	-0.18	277 (5)	14507 (5)	3516 (5)
6-63-P	92	90	22.62	22.62	18.21	-14.29	189 (8)	9891 (8)	7764 (8)
6-64-P	92	90	22.62	22.62	0.00	-48.32	381 (5)	4829 (5)	19925 (5)
6-65-P	92	90	22.62	22.62	0.00	-95.82	764 (5)	9689 (5)	39981 (5)
6-66-P	92	90	22.62	22.62	0.00	-48.20	365 (5)	4623 (5)	19075 (5)
6-67-P	92	90	22.62	22.62	10.69	-6.65	111 (8)	5810 (8)	3791 (8)
6-68-P	92	90	22.62	22.62	28.02	0.00	270 (5)	14147 (5)	3428 (5)
6-69-P	92	90	22.62	22.62	43.51	0.00	379 (5)	19850 (5)	4811 (5)
6-70-P	92	90	22.62	22.62	55.59	0.00	464 (5)	24288 (5)	5886 (5)
6-71-P	92	90	22.62	22.62	54.06	0.00	452 (5)	23664 (5)	5735 (5)
6-72-P	92	90	22.62	22.62	52.53	0.00	440 (5)	23040 (5)	5584 (5)
6-73-P	92	90	22.62	22.62	37.42	-0.03	333 (5)	17412 (5)	4220 (5)
6-74-P	92	90	22.62	22.62	26.32	-6.93	273 (8)	14297 (8)	3765 (8)
6-75-P	92	90	22.62	22.62	18.34	-23.39	243 (8)	9961 (8)	12705 (8)
6-76-P	92	90	22.62	22.62	0.00	-64.45	503 (5)	6379 (5)	26322 (5)
6-77-P	92	90	22.62	22.62	0.00	-115.80	918 (5)	11640 (5)	48031 (5)
6-78-P	92	90	22.62	22.62	0.00	-69.60	528 (5)	6698 (5)	27639 (5)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
6-79-P	92	90	22.62	22.62	8.03	-20.50	213 (8)	4362 (8)	11137 (8)
6-80-P	92	90	22.62	22.62	0.63	-14.16	111 (5)	1402 (5)	5786 (5)
6-81-P	92	90	22.62	22.62	1.78	-6.79	88 (8)	1118 (8)	4612 (8)
7-1-S	100	90	22.62	22.62	0.05	-0.01	1 (5)	26 (5)	35 (5)
7-2-S	100	90	22.62	22.62	0.00	-1.23	12 (5)	156 (5)	669 (5)
7-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1357 (5)
7-4-S	100	90	22.62	22.62	0.00	-3.77	38 (5)	475 (5)	2045 (5)
7-5-S	100	90	22.62	22.62	0.00	-178.16	1781 (8)	22467 (8)	96663 (8)
7-6-S	100	90	22.62	22.62	0.00	-121.55	1215 (8)	15329 (8)	65951 (8)
7-7-S	100	90	22.62	22.62	0.00	-64.95	649 (8)	8190 (8)	35238 (8)
7-8-S	100	90	22.62	22.62	116.80	0.00	184 (5)	2324 (5)	10000 (5)
7-9-S	100	90	22.62	22.62	133.33	0.00	226 (5)	12288 (5)	2856 (5)
7-10-S	100	90	22.62	22.62	145.54	0.00	600 (5)	32558 (5)	7567 (5)
7-11-S	100	90	22.62	22.62	147.41	0.00	885 (5)	48043 (5)	11166 (5)
7-12-S	100	90	22.62	22.62	149.29	0.00	1171 (5)	63527 (5)	14765 (5)
7-13-S	100	90	22.62	22.62	136.22	0.00	1321 (5)	71703 (5)	16666 (5)
7-14-S	100	90	22.62	22.62	146.50	0.00	1465 (8)	79488 (8)	18475 (8)
7-15-S	100	90	22.62	22.62	125.41	-0.04	1254 (8)	68044 (8)	15815 (8)
7-16-S	100	90	22.62	22.62	80.72	-0.67	807 (8)	43797 (8)	10179 (8)
7-17-S	100	90	22.62	22.62	44.23	-8.24	546 (8)	29645 (8)	6890 (8)
7-18-S	100	90	22.62	22.62	24.93	-27.02	415 (8)	22545 (8)	14661 (8)
7-19-S	100	90	22.62	22.62	12.86	-24.92	249 (8)	11273 (8)	13522 (8)
7-20-S	100	90	22.62	22.62	7.23	-7.12	121 (8)	6541 (8)	4828 (8)
8-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	158 (5)	678 (5)
8-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	316 (5)	1358 (5)
8-4-S	100	90	22.62	22.62	0.00	-3.76	38 (5)	474 (5)	2038 (5)
8-5-S	100	90	22.62	22.62	0.00	-182.74	1827 (8)	23045 (8)	99150 (8)
8-6-S	100	90	22.62	22.62	0.00	-127.57	1276 (8)	16087 (8)	69215 (8)
8-7-S	100	90	22.62	22.62	0.00	-72.39	724 (8)	9130 (8)	39279 (8)
8-8-S	100	90	22.62	22.62	0.00	-26.42	264 (8)	3331 (8)	14333 (8)
8-9-S	100	90	22.62	22.62	124.53	0.00	149 (5)	8090 (5)	1880 (5)
8-10-S	100	90	22.62	22.62	136.65	0.00	517 (5)	28043 (5)	6518 (5)
8-11-S	100	90	22.62	22.62	139.83	0.00	796 (5)	43184 (5)	10037 (5)
8-12-S	100	90	22.62	22.62	143.02	0.00	1075 (5)	58325 (5)	13556 (5)
8-13-S	100	90	22.62	22.62	133.17	0.00	1242 (5)	67404 (5)	15666 (5)
8-14-S	100	90	22.62	22.62	140.33	0.00	1403 (8)	76136 (8)	17696 (8)
8-15-S	100	90	22.62	22.62	120.31	-0.12	1203 (8)	65277 (8)	15172 (8)
8-16-S	100	90	22.62	22.62	78.54	-3.18	785 (8)	42613 (8)	9904 (8)
8-17-S	100	90	22.62	22.62	46.50	-14.62	581 (8)	31537 (8)	9918 (8)
8-18-S	100	90	22.62	22.62	27.41	-34.60	411 (8)	22311 (8)	21902 (8)
8-19-S	100	90	22.62	22.62	16.98	-31.61	349 (8)	14881 (8)	18955 (8)
8-20-S	100	90	22.62	22.62	9.98	-12.80	166 (8)	9027 (8)	6942 (8)
9-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
9-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	158 (5)	678 (5)
9-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)
9-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2033 (5)
9-5-S	100	90	22.62	22.62	0.00	-193.67	1937 (8)	24423 (8)	105080 (8)
9-6-S	100	90	22.62	22.62	0.00	-137.96	1379 (8)	17398 (8)	74853 (8)
9-7-S	100	90	22.62	22.62	0.00	-82.25	822 (8)	10372 (8)	44626 (8)
9-8-S	100	90	22.62	22.62	0.00	-36.38	364 (8)	4588 (8)	19741 (8)
9-9-S	100	90	22.62	22.62	111.95	0.00	62 (5)	3381 (5)	1132 (5)
9-10-S	100	90	22.62	22.62	123.69	0.00	393 (5)	21342 (5)	4960 (5)
9-11-S	100	90	22.62	22.62	124.02	0.00	619 (5)	33582 (5)	7805 (5)
9-12-S	100	90	22.62	22.62	124.35	0.00	844 (5)	45823 (5)	10650 (5)
9-13-S	100	90	22.62	22.62	112.25	0.00	888 (5)	48185 (5)	11199 (5)
9-14-S	100	90	22.62	22.62	99.43	0.00	921 (5)	49982 (5)	11617 (5)
9-15-S	100	90	22.62	22.62	84.77	0.00	848 (8)	45993 (8)	10690 (8)
9-16-S	100	90	22.62	22.62	70.14	0.00	701 (8)	38058 (8)	8846 (8)
9-17-S	100	90	22.62	22.62	53.88	0.00	539 (8)	29233 (8)	6794 (8)
9-18-S	100	90	22.62	22.62	32.50	0.00	325 (8)	17636 (8)	4099 (8)
9-19-S	100	90	22.62	22.62	17.94	0.00	179 (8)	9736 (8)	2263 (8)
9-20-S	100	90	22.62	22.62	7.53	0.00	75 (8)	4086 (8)	950 (8)
10-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
10-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	157 (5)	677 (5)
10-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)
10-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2032 (5)
10-5-S	100	90	22.62	22.62	0.00	-206.76	2067 (8)	26073 (8)	112179 (8)
10-6-S	100	90	22.62	22.62	0.00	-149.31	1493 (8)	18829 (8)	81011 (8)
10-7-S	100	90	22.62	22.62	0.00	-91.86	919 (8)	11585 (8)	49843 (8)
10-8-S	100	90	22.62	22.62	0.00	-43.96	440 (8)	5543 (8)	23850 (8)
10-9-S	100	90	22.62	22.62	105.74	0.00	38 (5)	1410 (5)	2071 (5)
10-10-S	100	90	22.62	22.62	121.53	0.00	376 (5)	20401 (5)	4742 (5)
10-11-S	100	90	22.62	22.62	127.68	0.00	671 (5)	36435 (5)	8469 (5)
10-12-S	100	90	22.62	22.62	133.83	0.00	967 (5)	52470 (5)	12195 (5)
10-13-S	100	90	22.62	22.62	125.77	0.00	1145 (5)	62117 (5)	14438 (5)
10-14-S	100	90	22.62	22.62	131.59	0.00	1316 (8)	71399 (8)	16595 (8)
10-15-S	100	90	22.62	22.62	113.37	0.00	1134 (8)	61511 (8)	14297 (8)
10-16-S	100	90	22.62	22.62	71.09	-0.03	711 (8)	38569 (8)	8964 (8)
10-17-S	100	90	22.62	22.62	38.39	-8.45	480 (8)	26037 (8)	7644 (8)
10-18-S	100	90	22.62	22.62	23.24	-30.47	533 (8)	20369 (8)	28936 (8)
10-19-S	100	90	22.62	22.62	13.84	-28.08	491 (8)	13144 (8)	26666 (8)
10-20-S	100	90	22.62	22.62	6.04	-8.92	111 (8)	5461 (8)	6048 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
11-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
11-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	157 (5)	677 (5)
11-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)
11-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2032 (5)
11-5-S	100	90	22.62	22.62	0.00	-216.99	2170 (8)	27364 (8)	117734 (8)
11-6-S	100	90	22.62	22.62	0.00	-158.53	1585 (8)	19992 (8)	86016 (8)
11-7-S	100	90	22.62	22.62	0.00	-100.08	1001 (8)	12620 (8)	54298 (8)
11-8-S	100	90	22.62	22.62	0.00	-51.24	512 (8)	6462 (8)	27802 (8)
11-9-S	100	90	22.62	22.62	97.27	0.00	83 (5)	1041 (5)	4480 (5)
11-10-S	100	90	22.62	22.62	114.44	0.00	320 (5)	17386 (5)	4041 (5)
11-11-S	100	90	22.62	22.62	121.77	0.00	624 (5)	33838 (5)	7865 (5)
11-12-S	100	90	22.62	22.62	129.11	0.00	927 (5)	50289 (5)	11688 (5)
11-13-S	100	90	22.62	22.62	121.98	0.00	1111 (5)	60301 (5)	14015 (5)
11-14-S	100	90	22.62	22.62	128.91	0.00	1289 (8)	69945 (8)	16257 (8)
11-15-S	100	90	22.62	22.62	111.29	0.00	1113 (8)	60383 (8)	14034 (8)
11-16-S	100	90	22.62	22.62	70.78	-1.25	708 (8)	38401 (8)	8926 (8)
11-17-S	100	90	22.62	22.62	41.42	-12.48	518 (8)	28088 (8)	8463 (8)
11-18-S	100	90	22.62	22.62	24.34	-32.15	450 (8)	19812 (8)	24417 (8)
11-19-S	100	90	22.62	22.62	14.78	-29.31	385 (8)	12958 (8)	20870 (8)
11-20-S	100	90	22.62	22.62	7.84	-10.80	131 (8)	7086 (8)	5859 (8)
12-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
12-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	157 (5)	677 (5)
12-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)
12-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2032 (5)
12-5-S	100	90	22.62	22.62	0.00	-223.85	2238 (8)	28230 (8)	121456 (8)
12-6-S	100	90	22.62	22.62	0.00	-165.13	1651 (8)	20824 (8)	89592 (8)
12-7-S	100	90	22.62	22.62	0.00	-106.40	1064 (8)	13417 (8)	57728 (8)
12-8-S	100	90	22.62	22.62	0.00	-57.84	578 (8)	7294 (8)	31382 (8)
12-9-S	100	90	22.62	22.62	87.25	0.00	148 (5)	1866 (5)	8026 (5)
12-10-S	100	90	22.62	22.62	103.11	0.00	228 (5)	12383 (5)	2878 (5)
12-11-S	100	90	22.62	22.62	106.95	0.00	476 (5)	25827 (5)	6003 (5)
12-12-S	100	90	22.62	22.62	110.78	0.00	724 (5)	39270 (5)	9127 (5)
12-13-S	100	90	22.62	22.62	101.36	0.00	787 (5)	42697 (5)	9924 (5)
12-14-S	100	90	22.62	22.62	91.18	0.00	839 (5)	45551 (5)	10587 (5)
12-15-S	100	90	22.62	22.62	78.39	0.00	784 (8)	42534 (8)	9886 (8)
12-16-S	100	90	22.62	22.62	65.46	0.00	655 (8)	35516 (8)	8255 (8)
12-17-S	100	90	22.62	22.62	50.79	0.00	508 (8)	27558 (8)	6405 (8)
12-18-S	100	90	22.62	22.62	30.74	0.00	307 (8)	16677 (8)	3876 (8)
12-19-S	100	90	22.62	22.62	17.03	0.00	170 (8)	9237 (8)	2147 (8)
12-20-S	100	90	22.62	22.62	7.17	0.00	72 (8)	3892 (8)	905 (8)
13-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
13-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	157 (5)	677 (5)
13-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)
13-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2032 (5)
13-5-S	100	90	22.62	22.62	0.00	-229.23	2292 (8)	28907 (8)	124372 (8)
13-6-S	100	90	22.62	22.62	0.00	-169.89	1699 (8)	21425 (8)	92180 (8)
13-7-S	100	90	22.62	22.62	0.00	-110.56	1106 (8)	13943 (8)	59988 (8)
13-8-S	100	90	22.62	22.62	0.00	-60.80	608 (8)	7667 (8)	32986 (8)
13-9-S	100	90	22.62	22.62	85.91	0.00	162 (5)	2044 (5)	8795 (5)
13-10-S	100	90	22.62	22.62	104.45	0.00	244 (5)	13249 (5)	3079 (5)
13-11-S	100	90	22.62	22.62	113.14	0.00	557 (5)	30220 (5)	7024 (5)
13-12-S	100	90	22.62	22.62	121.82	0.00	870 (5)	47191 (5)	10969 (5)
13-13-S	100	90	22.62	22.62	115.91	0.00	1063 (5)	57695 (5)	13410 (5)
13-14-S	100	90	22.62	22.62	125.02	0.00	1250 (8)	67830 (8)	15765 (8)
13-15-S	100	90	22.62	22.62	108.22	0.00	1082 (8)	58718 (8)	13648 (8)
13-16-S	100	90	22.62	22.62	67.43	-0.19	674 (8)	36588 (8)	8504 (8)
13-17-S	100	90	22.62	22.62	37.75	-10.35	472 (8)	25604 (8)	9363 (8)
13-18-S	100	90	22.62	22.62	22.87	-31.56	510 (8)	20043 (8)	27660 (8)
13-19-S	100	90	22.62	22.62	13.78	-28.76	431 (8)	13082 (8)	23407 (8)
13-20-S	100	90	22.62	22.62	6.67	-9.80	122 (8)	6032 (8)	6644 (8)
14-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
14-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	157 (5)	677 (5)
14-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)
14-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2032 (5)
14-5-S	100	90	22.62	22.62	0.00	-232.28	2323 (8)	29292 (8)	126026 (8)
14-6-S	100	90	22.62	22.62	0.00	-172.82	1728 (8)	21794 (8)	93765 (8)
14-7-S	100	90	22.62	22.62	0.00	-113.36	1133 (8)	14295 (8)	61504 (8)
14-8-S	100	90	22.62	22.62	0.00	-63.42	634 (8)	7997 (8)	34408 (8)
14-9-S	100	90	22.62	22.62	87.25	0.00	186 (5)	2350 (5)	10109 (5)
14-10-S	100	90	22.62	22.62	101.56	0.00	222 (5)	12050 (5)	2801 (5)
14-11-S	100	90	22.62	22.62	110.56	0.00	537 (5)	29150 (5)	6775 (5)
14-12-S	100	90	22.62	22.62	119.56	0.00	852 (5)	46250 (5)	10750 (5)
14-13-S	100	90	22.62	22.62	113.99	0.00	1048 (5)	56891 (5)	13223 (5)
14-14-S	100	90	22.62	22.62	123.79	0.00	1238 (8)	67163 (8)	15610 (8)
14-15-S	100	90	22.62	22.62	107.23	0.00	1072 (8)	58182 (8)	13523 (8)
14-16-S	100	90	22.62	22.62	67.36	-0.87	674 (8)	36549 (8)	8495 (8)
14-17-S	100	90	22.62	22.62	38.88	-12.01	486 (8)	26371 (8)	8142 (8)
14-18-S	100	90	22.62	22.62	23.21	-32.21	451 (8)	20344 (8)	24466 (8)
14-19-S	100	90	22.62	22.62	14.10	-29.24	384 (8)	13386 (8)	20825 (8)
14-20-S	100	90	22.62	22.62	7.26	-10.45	131 (8)	6563 (8)	7086 (8)
15-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
15-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	157 (5)	677 (5)

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
15-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)
15-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2032 (5)
15-5-S	100	90	22.62	22.62	0.00	-233.52	2335 (8)	29448 (8)	126700 (8)
15-6-S	100	90	22.62	22.62	0.00	-174.33	1743 (8)	21984 (8)	94585 (8)
15-7-S	100	90	22.62	22.62	0.00	-115.14	1151 (8)	14520 (8)	62469 (8)
15-8-S	100	90	22.62	22.62	0.00	-65.99	660 (8)	8321 (8)	35803 (8)
15-9-S	100	90	22.62	22.62	0.00	-22.28	223 (8)	2809 (8)	12087 (8)
15-10-S	100	90	22.62	22.62	94.22	0.00	160 (5)	8697 (5)	2021 (5)
15-11-S	100	90	22.62	22.62	99.07	0.00	416 (5)	22550 (5)	5241 (5)
15-12-S	100	90	22.62	22.62	103.91	0.00	671 (5)	36403 (5)	8461 (5)
15-13-S	100	90	22.62	22.62	95.52	0.00	742 (5)	40253 (5)	9356 (5)
15-14-S	100	90	22.62	22.62	86.38	0.00	802 (5)	43531 (5)	10118 (5)
15-15-S	100	90	22.62	22.62	75.42	0.00	754 (8)	40920 (8)	9511 (8)
15-16-S	100	90	22.62	22.62	63.20	0.00	632 (8)	34292 (8)	7970 (8)
15-17-S	100	90	22.62	22.62	49.24	0.00	492 (8)	26715 (8)	6209 (8)
15-18-S	100	90	22.62	22.62	29.82	0.00	298 (8)	16182 (8)	3761 (8)
15-19-S	100	90	22.62	22.62	16.54	0.00	165 (8)	8974 (8)	2086 (8)
15-20-S	100	90	22.62	22.62	6.99	0.00	70 (8)	3790 (8)	881 (8)
16-1-S	100	90	27.14	27.14	0.00	0.00	0 (5)	0 (5)	0 (5)
16-2-S	100	90	27.14	27.14	0.00	-1.25	11 (5)	145 (5)	566 (5)
16-3-S	100	90	27.14	27.14	0.00	-2.50	23 (5)	290 (5)	1132 (5)
16-4-S	100	90	27.14	27.14	0.00	-3.75	34 (5)	435 (5)	1699 (5)
16-5-S	100	90	27.14	27.14	0.00	-234.79	2136 (8)	27269 (8)	106473 (8)
16-6-S	100	90	27.14	27.14	0.00	-175.27	1595 (8)	20356 (8)	79483 (8)
16-7-S	100	90	27.14	27.14	0.00	-115.76	1053 (8)	13444 (8)	52493 (8)
16-8-S	100	90	27.14	27.14	0.00	-65.70	598 (8)	7631 (8)	29796 (8)
16-9-S	100	90	27.14	27.14	0.00	-20.78	189 (8)	2413 (8)	9423 (8)
16-10-S	100	90	27.14	27.14	98.97	0.00	184 (5)	9168 (5)	2348 (5)
16-11-S	100	90	27.14	27.14	108.22	0.00	472 (5)	23548 (5)	6031 (5)
16-12-S	100	90	27.14	27.14	117.46	0.00	761 (5)	37927 (5)	9713 (5)
16-13-S	100	90	27.14	27.14	112.18	0.00	941 (5)	46920 (5)	12017 (5)
16-14-S	100	90	27.14	27.14	122.62	0.00	1116 (8)	55606 (8)	14241 (8)
16-15-S	100	90	27.14	27.14	106.29	0.00	967 (8)	48200 (8)	12344 (8)
16-16-S	100	90	27.14	27.14	66.39	-0.63	604 (8)	30106 (8)	7710 (8)
16-17-S	100	90	27.14	27.14	37.89	-11.52	431 (8)	21478 (8)	6532 (8)
16-18-S	100	90	27.14	27.14	22.83	-32.13	439 (8)	16722 (8)	21855 (8)
16-19-S	100	90	27.14	27.14	13.85	-29.16	371 (8)	10992 (8)	18515 (8)
16-20-S	100	90	27.14	27.14	6.98	-10.24	116 (8)	5275 (8)	5803 (8)
17-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
17-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	157 (5)	677 (5)
17-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)
17-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2032 (5)
17-5-S	100	90	22.62	22.62	0.00	-234.79	2348 (8)	29609 (8)	127390 (8)
17-6-S	100	90	22.62	22.62	0.00	-175.27	1753 (8)	22103 (8)	95098 (8)
17-7-S	100	90	22.62	22.62	0.00	-115.76	1157 (8)	14598 (8)	62806 (8)
17-8-S	100	90	22.62	22.62	0.00	-65.70	657 (8)	8286 (8)	35649 (8)
17-9-S	100	90	22.62	22.62	0.00	-20.78	208 (8)	2620 (8)	11274 (8)
17-10-S	100	90	22.62	22.62	98.97	0.00	202 (5)	10969 (5)	2550 (5)
17-11-S	100	90	22.62	22.62	108.22	0.00	519 (5)	28174 (5)	6548 (5)
17-12-S	100	90	22.62	22.62	117.46	0.00	836 (5)	45378 (5)	10547 (5)
17-13-S	100	90	22.62	22.62	112.18	0.00	1035 (5)	56138 (5)	13048 (5)
17-14-S	100	90	22.62	22.62	122.62	0.00	1226 (8)	66530 (8)	15463 (8)
17-15-S	100	90	22.62	22.62	106.29	0.00	1063 (8)	57669 (8)	13404 (8)
17-16-S	100	90	22.62	22.62	66.39	-0.63	664 (8)	36021 (8)	8372 (8)
17-17-S	100	90	22.62	22.62	37.89	-11.52	474 (8)	25698 (8)	7815 (8)
17-18-S	100	90	22.62	22.62	22.83	-32.13	482 (8)	20007 (8)	26149 (8)
17-19-S	100	90	22.62	22.62	13.85	-29.16	408 (8)	13152 (8)	22152 (8)
17-20-S	100	90	22.62	22.62	6.98	-10.24	128 (8)	6311 (8)	6943 (8)
18-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
18-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	157 (5)	677 (5)
18-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)
18-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2032 (5)
18-5-S	100	90	22.62	22.62	0.00	-233.52	2335 (8)	29448 (8)	126700 (8)
18-6-S	100	90	22.62	22.62	0.00	-174.33	1743 (8)	21984 (8)	94585 (8)
18-7-S	100	90	22.62	22.62	0.00	-115.14	1151 (8)	14520 (8)	62469 (8)
18-8-S	100	90	22.62	22.62	0.00	-65.99	660 (8)	8321 (8)	35803 (8)
18-9-S	100	90	22.62	22.62	0.00	-22.28	223 (8)	2809 (8)	12087 (8)
18-10-S	100	90	22.62	22.62	94.22	0.00	160 (5)	8697 (5)	2021 (5)
18-11-S	100	90	22.62	22.62	99.07	0.00	416 (5)	22550 (5)	5241 (5)
18-12-S	100	90	22.62	22.62	103.91	0.00	671 (5)	36403 (5)	8461 (5)
18-13-S	100	90	22.62	22.62	95.52	0.00	742 (5)	40253 (5)	9356 (5)
18-14-S	100	90	22.62	22.62	86.38	0.00	802 (5)	43531 (5)	10118 (5)
18-15-S	100	90	22.62	22.62	75.42	0.00	754 (8)	40920 (8)	9511 (8)
18-16-S	100	90	22.62	22.62	63.20	0.00	632 (8)	34292 (8)	7970 (8)
18-17-S	100	90	22.62	22.62	49.24	0.00	492 (8)	26715 (8)	6209 (8)
18-18-S	100	90	22.62	22.62	29.82	0.00	298 (8)	16182 (8)	3761 (8)
18-19-S	100	90	22.62	22.62	16.54	0.00	165 (8)	8974 (8)	2086 (8)
18-20-S	100	90	22.62	22.62	6.99	0.00	70 (8)	3790 (8)	881 (8)
19-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
19-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	157 (5)	677 (5)
19-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)
19-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2032 (5)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
19-5-S	100	90	22.62	22.62	0.00	-232.28	2323 (8)	29292 (8)	126026 (8)
19-6-S	100	90	22.62	22.62	0.00	-172.82	1728 (8)	21794 (8)	93765 (8)
19-7-S	100	90	22.62	22.62	0.00	-113.36	1133 (8)	14295 (8)	61504 (8)
19-8-S	100	90	22.62	22.62	0.00	-63.42	634 (8)	7997 (8)	34408 (8)
19-9-S	100	90	22.62	22.62	82.75	0.00	186 (5)	2350 (5)	10109 (5)
19-10-S	100	90	22.62	22.62	101.56	0.00	222 (5)	12050 (5)	2801 (5)
19-11-S	100	90	22.62	22.62	110.56	0.00	537 (5)	29150 (5)	6775 (5)
19-12-S	100	90	22.62	22.62	119.56	0.00	852 (5)	46250 (5)	10750 (5)
19-13-S	100	90	22.62	22.62	113.99	0.00	1048 (5)	56891 (5)	13223 (5)
19-14-S	100	90	22.62	22.62	123.79	0.00	1238 (8)	67163 (8)	15610 (8)
19-15-S	100	90	22.62	22.62	107.23	0.00	1072 (8)	58182 (8)	13523 (8)
19-16-S	100	90	22.62	22.62	67.36	-0.87	674 (8)	36549 (8)	8495 (8)
19-17-S	100	90	22.62	22.62	38.88	-12.01	486 (8)	26371 (8)	8142 (8)
19-18-S	100	90	22.62	22.62	23.21	-32.21	451 (8)	20344 (8)	24466 (8)
19-19-S	100	90	22.62	22.62	14.10	-29.24	384 (8)	13386 (8)	20825 (8)
19-20-S	100	90	22.62	22.62	7.26	-10.45	131 (8)	6563 (8)	7086 (8)
20-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
20-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	157 (5)	677 (5)
20-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)
20-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2032 (5)
20-5-S	100	90	22.62	22.62	0.00	-229.23	2292 (8)	28907 (8)	124372 (8)
20-6-S	100	90	22.62	22.62	0.00	-169.89	1699 (8)	21425 (8)	92180 (8)
20-7-S	100	90	22.62	22.62	0.00	-110.56	1106 (8)	13943 (8)	59988 (8)
20-8-S	100	90	22.62	22.62	0.00	-60.80	608 (8)	7667 (8)	32986 (8)
20-9-S	100	90	22.62	22.62	85.91	0.00	162 (5)	2044 (5)	8795 (5)
20-10-S	100	90	22.62	22.62	104.45	0.00	244 (5)	13249 (5)	3079 (5)
20-11-S	100	90	22.62	22.62	113.14	0.00	557 (5)	30220 (5)	7024 (5)
20-12-S	100	90	22.62	22.62	121.82	0.00	870 (5)	47191 (5)	10969 (5)
20-13-S	100	90	22.62	22.62	115.91	0.00	1063 (5)	57695 (5)	13410 (5)
20-14-S	100	90	22.62	22.62	125.02	0.00	1250 (8)	67830 (8)	15765 (8)
20-15-S	100	90	22.62	22.62	108.22	0.00	1082 (8)	58718 (8)	13648 (8)
20-16-S	100	90	22.62	22.62	67.43	-0.19	674 (8)	36588 (8)	8504 (8)
20-17-S	100	90	22.62	22.62	37.75	-10.35	472 (8)	25604 (8)	9363 (8)
20-18-S	100	90	22.62	22.62	22.87	-31.56	510 (8)	20043 (8)	27660 (8)
20-19-S	100	90	22.62	22.62	13.78	-28.76	431 (8)	13082 (8)	23407 (8)
20-20-S	100	90	22.62	22.62	6.67	-9.80	122 (8)	6032 (8)	6644 (8)
21-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
21-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	157 (5)	677 (5)
21-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)
21-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2032 (5)
21-5-S	100	90	22.62	22.62	0.00	-223.85	2238 (8)	28230 (8)	121456 (8)
21-6-S	100	90	22.62	22.62	0.00	-165.13	1651 (8)	20824 (8)	89592 (8)
21-7-S	100	90	22.62	22.62	0.00	-106.40	1064 (8)	13417 (8)	57728 (8)
21-8-S	100	90	22.62	22.62	0.00	-57.84	578 (8)	7294 (8)	31382 (8)
21-9-S	100	90	22.62	22.62	87.25	0.00	148 (5)	1866 (5)	8026 (5)
21-10-S	100	90	22.62	22.62	103.11	0.00	228 (5)	12383 (5)	2878 (5)
21-11-S	100	90	22.62	22.62	106.95	0.00	476 (5)	25827 (5)	6003 (5)
21-12-S	100	90	22.62	22.62	110.78	0.00	724 (5)	39270 (5)	9127 (5)
21-13-S	100	90	22.62	22.62	101.36	0.00	787 (5)	42697 (5)	9924 (5)
21-14-S	100	90	22.62	22.62	91.18	0.00	839 (5)	45551 (5)	10587 (5)
21-15-S	100	90	22.62	22.62	78.39	0.00	784 (8)	42534 (8)	9886 (8)
21-16-S	100	90	22.62	22.62	65.46	0.00	655 (8)	35516 (8)	8255 (8)
21-17-S	100	90	22.62	22.62	50.79	0.00	508 (8)	27558 (8)	6405 (8)
21-18-S	100	90	22.62	22.62	30.74	0.00	307 (8)	16677 (8)	3876 (8)
21-19-S	100	90	22.62	22.62	17.03	0.00	170 (8)	9237 (8)	2147 (8)
21-20-S	100	90	22.62	22.62	7.17	0.00	72 (8)	3892 (8)	905 (8)
22-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
22-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	157 (5)	677 (5)
22-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)
22-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2032 (5)
22-5-S	100	90	22.62	22.62	0.00	-216.99	2170 (8)	27364 (8)	117734 (8)
22-6-S	100	90	22.62	22.62	0.00	-158.53	1585 (8)	19992 (8)	86016 (8)
22-7-S	100	90	22.62	22.62	0.00	-100.08	1001 (8)	12620 (8)	54298 (8)
22-8-S	100	90	22.62	22.62	0.00	-51.24	512 (8)	6462 (8)	27802 (8)
22-9-S	100	90	22.62	22.62	97.27	0.00	83 (5)	1041 (5)	4480 (5)
22-10-S	100	90	22.62	22.62	114.44	0.00	320 (5)	17386 (5)	4041 (5)
22-11-S	100	90	22.62	22.62	121.77	0.00	624 (5)	33838 (5)	7865 (5)
22-12-S	100	90	22.62	22.62	129.11	0.00	927 (5)	50289 (5)	11688 (5)
22-13-S	100	90	22.62	22.62	121.98	0.00	1111 (5)	60301 (5)	14015 (5)
22-14-S	100	90	22.62	22.62	128.91	0.00	1289 (8)	69945 (8)	16257 (8)
22-15-S	100	90	22.62	22.62	111.29	0.00	1113 (8)	60383 (8)	14034 (8)
22-16-S	100	90	22.62	22.62	70.78	-1.25	708 (8)	38401 (8)	8926 (8)
22-17-S	100	90	22.62	22.62	41.42	-12.48	518 (8)	28088 (8)	8463 (8)
22-18-S	100	90	22.62	22.62	24.34	-32.15	450 (8)	19812 (8)	24417 (8)
22-19-S	100	90	22.62	22.62	14.78	-29.31	385 (8)	12958 (8)	20870 (8)
22-20-S	100	90	22.62	22.62	7.84	-10.80	131 (8)	7086 (8)	5859 (8)
23-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
23-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	157 (5)	677 (5)
23-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)
23-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2032 (5)
23-5-S	100	90	22.62	22.62	0.00	-206.76	2067 (8)	26073 (8)	112179 (8)
23-6-S	100	90	22.62	22.62	0.00	-149.31	1493 (8)	18829 (8)	81011 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
23-7-S	100	90	22.62	22.62	0.00	-91.86	919 (8)	11585 (8)	49843 (8)
23-8-S	100	90	22.62	22.62	0.00	-43.96	440 (8)	5543 (8)	23850 (8)
23-9-S	100	90	22.62	22.62	105.74	0.00	38 (5)	1410 (5)	2071 (5)
23-10-S	100	90	22.62	22.62	121.53	0.00	376 (5)	20401 (5)	4742 (5)
23-11-S	100	90	22.62	22.62	127.68	0.00	671 (5)	36435 (5)	8469 (5)
23-12-S	100	90	22.62	22.62	133.83	0.00	967 (5)	52470 (5)	12195 (5)
23-13-S	100	90	22.62	22.62	125.77	0.00	1145 (5)	62117 (5)	14438 (5)
23-14-S	100	90	22.62	22.62	131.59	0.00	1316 (8)	71399 (8)	16595 (8)
23-15-S	100	90	22.62	22.62	113.37	0.00	1134 (8)	61511 (8)	14297 (8)
23-16-S	100	90	22.62	22.62	71.09	-0.03	711 (8)	38569 (8)	8964 (8)
23-17-S	100	90	22.62	22.62	38.39	-8.45	480 (8)	26037 (8)	7644 (8)
23-18-S	100	90	22.62	22.62	23.24	-30.47	533 (8)	20369 (8)	28936 (8)
23-19-S	100	90	22.62	22.62	13.84	-28.08	491 (8)	13144 (8)	26666 (8)
23-20-S	100	90	22.62	22.62	6.04	-8.92	111 (8)	5461 (8)	6048 (8)
24-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
24-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	158 (5)	678 (5)
24-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)
24-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2033 (5)
24-5-S	100	90	22.62	22.62	0.00	-193.67	1937 (8)	24423 (8)	105080 (8)
24-6-S	100	90	22.62	22.62	0.00	-137.96	1379 (8)	17398 (8)	74853 (8)
24-7-S	100	90	22.62	22.62	0.00	-82.25	822 (8)	10372 (8)	44626 (8)
24-8-S	100	90	22.62	22.62	0.00	-36.38	364 (8)	4588 (8)	19741 (8)
24-9-S	100	90	22.62	22.62	111.95	0.00	62 (5)	3381 (5)	1132 (5)
24-10-S	100	90	22.62	22.62	123.69	0.00	393 (5)	21342 (5)	4960 (5)
24-11-S	100	90	22.62	22.62	124.02	0.00	619 (5)	33582 (5)	7805 (5)
24-12-S	100	90	22.62	22.62	124.35	0.00	844 (5)	45823 (5)	10650 (5)
24-13-S	100	90	22.62	22.62	112.25	0.00	888 (5)	48185 (5)	11199 (5)
24-14-S	100	90	22.62	22.62	99.43	0.00	921 (5)	49982 (5)	11617 (5)
24-15-S	100	90	22.62	22.62	84.77	0.00	848 (8)	45993 (8)	10690 (8)
24-16-S	100	90	22.62	22.62	70.14	0.00	701 (8)	38058 (8)	8846 (8)
24-17-S	100	90	22.62	22.62	53.88	0.00	539 (8)	29233 (8)	6794 (8)
24-18-S	100	90	22.62	22.62	32.50	0.00	325 (8)	17636 (8)	4099 (8)
24-19-S	100	90	22.62	22.62	17.94	0.00	179 (8)	9736 (8)	2263 (8)
24-20-S	100	90	22.62	22.62	7.53	0.00	75 (8)	4086 (8)	950 (8)
25-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	158 (5)	678 (5)
25-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	316 (5)	1358 (5)
25-4-S	100	90	22.62	22.62	0.00	-3.76	38 (5)	474 (5)	2038 (5)
25-5-S	100	90	22.62	22.62	0.00	-182.74	1827 (8)	23045 (8)	99150 (8)
25-6-S	100	90	22.62	22.62	0.00	-127.57	1276 (8)	16087 (8)	69215 (8)
25-7-S	100	90	22.62	22.62	0.00	-72.39	724 (8)	9130 (8)	39279 (8)
25-8-S	100	90	22.62	22.62	0.00	-26.42	264 (8)	3331 (8)	14333 (8)
25-9-S	100	90	22.62	22.62	124.53	0.00	149 (5)	8090 (5)	1880 (5)
25-10-S	100	90	22.62	22.62	136.65	0.00	517 (5)	28043 (5)	6518 (5)
25-11-S	100	90	22.62	22.62	139.83	0.00	796 (5)	43184 (5)	10037 (5)
25-12-S	100	90	22.62	22.62	143.02	0.00	1075 (5)	58325 (5)	13556 (5)
25-13-S	100	90	22.62	22.62	133.17	0.00	1242 (5)	67404 (5)	15666 (5)
25-14-S	100	90	22.62	22.62	140.33	0.00	1403 (8)	76136 (8)	17696 (8)
25-15-S	100	90	22.62	22.62	120.31	-0.12	1203 (8)	65277 (8)	15172 (8)
25-16-S	100	90	22.62	22.62	78.54	-3.18	785 (8)	42613 (8)	9904 (8)
25-17-S	100	90	22.62	22.62	46.50	-14.62	581 (8)	31537 (8)	9918 (8)
25-18-S	100	90	22.62	22.62	27.41	-34.60	411 (8)	22311 (8)	21902 (8)
25-19-S	100	90	22.62	22.62	16.98	-31.61	349 (8)	14881 (8)	18955 (8)
25-20-S	100	90	22.62	22.62	9.98	-12.80	166 (8)	9027 (8)	6942 (8)
26-1-S	100	90	22.62	22.62	0.05	-0.01	1 (5)	26 (5)	35 (5)
26-2-S	100	90	22.62	22.62	0.00	-1.23	12 (5)	156 (5)	669 (5)
26-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1357 (5)
26-4-S	100	90	22.62	22.62	0.00	-3.77	38 (5)	475 (5)	2045 (5)
26-5-S	100	90	22.62	22.62	0.00	-178.16	1781 (8)	22467 (8)	96663 (8)
26-6-S	100	90	22.62	22.62	0.00	-121.55	1215 (8)	15329 (8)	65951 (8)
26-7-S	100	90	22.62	22.62	0.00	-64.95	649 (8)	8190 (8)	35238 (8)
26-8-S	100	90	22.62	22.62	116.80	0.00	184 (5)	2324 (5)	10000 (5)
26-9-S	100	90	22.62	22.62	133.33	0.00	226 (5)	12288 (5)	2856 (5)
26-10-S	100	90	22.62	22.62	145.54	0.00	600 (5)	32558 (5)	7567 (5)
26-11-S	100	90	22.62	22.62	147.41	0.00	885 (5)	48043 (5)	11166 (5)
26-12-S	100	90	22.62	22.62	149.29	0.00	1171 (5)	63527 (5)	14765 (5)
26-13-S	100	90	22.62	22.62	136.22	0.00	1321 (5)	71703 (5)	16666 (5)
26-14-S	100	90	22.62	22.62	146.50	0.00	1465 (8)	79488 (8)	18475 (8)
26-15-S	100	90	22.62	22.62	125.41	-0.04	1254 (8)	68044 (8)	15815 (8)
26-16-S	100	90	22.62	22.62	80.72	-0.67	807 (8)	43797 (8)	10179 (8)
26-17-S	100	90	22.62	22.62	44.23	-8.24	546 (8)	29645 (8)	6890 (8)
26-18-S	100	90	22.62	22.62	24.93	-27.02	415 (8)	22545 (8)	14661 (8)
26-19-S	100	90	22.62	22.62	12.86	-24.92	249 (8)	11273 (8)	13522 (8)
26-20-S	100	90	22.62	22.62	7.23	-7.12	121 (8)	6541 (8)	4828 (8)

Pali in c.a.

Ip	Is	Ar [cmq]	σc [kPa]	σf [kPa]	Tc [kPa]	σstf [kPa]
1	1	129.25	4715	56715		
1	2	129.25	3916	47981		

RELAZIONE DI CALCOLO

Ip	Is	Ar [cmq]	σ_c [kPa]	σ_f [kPa]	τ_c [kPa]	σ_{stf} [kPa]
1	3	129.25	3202	40085		
1	4	129.25	2586	33162		
1	5	129.25	2088	27448		
1	6	129.25	1712	23037		
1	7	129.25	1401	19364		
1	8	129.25	1131	16175		
1	9	129.25	899	13435		
1	10	129.25	1074	15514		
1	11	129.25	1244	17540		
1	12	129.25	1385	19216		
1	13	129.25	1499	20576		
1	14	129.25	1589	21651		
1	15	129.25	1658	22472		
1	16	129.25	1707	23066		
1	17	129.25	1740	23462		
1	18	129.25	1758	23685		
1	19	129.25	1763	23759		
1	20	129.25	1758	23705		
1	21	129.25	1744	23545		
1	22	129.25	1722	23296		
1	23	129.25	1694	22976		
1	24	129.25	1662	22599		
1	25	129.25	1625	22179		
1	26	129.25	1587	21729		
1	27	129.25	1546	21258		
1	28	129.25	1505	20776		
1	29	129.25	1463	20292		
1	30	129.25	1422	19811		
1	31	129.25	1381	19341		
1	32	129.25	1342	18884		
1	33	129.25	1304	18446		
1	34	129.25	1268	18030		
1	35	129.25	1234	17637		
1	36	129.25	1202	17270		
1	37	129.25	1173	16929		
1	38	129.25	1146	16616		
1	39	129.25	1121	16330		
1	40	129.25	1098	16071		
1	41	129.25	1078	15840		
1	42	129.25	1060	15635		
1	43	129.25	1044	15454		
1	44	129.25	1030	15299		
1	45	129.25	1018	15166		
1	46	129.25	1008	15054		
1	47	129.25	999	14963		
1	48	129.25	995	14923		
1	49	129.25	1006	15062		
1	50	129.25	1016	15185		
1	51	129.25	1024	15293		
1	52	129.25	1031	15388		
1	53	129.25	1038	15472		
1	54	129.25	1043	15544		
1	55	129.25	1048	15608		
1	56	129.25	1052	15663		
1	57	129.25	1055	15711		
1	58	129.25	1058	15753		
1	59	129.25	1060	15790		
1	60	129.25	1062	15823		
1	61	129.25	1064	15852		
1	62	129.25	1065	15878		
1	63	129.25	1067	15901		
1	64	129.25	1068	15923		
1	65	129.25	1069	15944		
1	66	129.25	1070	15964		
1	67	129.25	1071	15984		
1	68	129.25	1072	16004		
1	69	129.25	1072	16024		
1	70	129.25	1073	16044		
1	71	129.25	1074	16065		
1	72	129.25	1076	16087		
1	73	129.25	1077	16110		
1	74	129.25	1078	16134		
1	75	129.25	1079	16160		
1	76	129.25	1081	16186		
1	77	129.25	1082	16213		
1	78	129.25	1084	16242		
1	79	129.25	1086	16272		
1	80	129.25	1088	16303		
1	81	129.25	1090	16336		
1	82	129.25	1092	16369		
1	83	129.25	1094	16404		
1	84	129.25	1096	16439		

RELAZIONE DI CALCOLO

Ip	Is	Ar [cmq]	σ_c [kPa]	σ_f [kPa]	Tc [kPa]	σ_{stf} [kPa]
1	85	129.25	1099	16476		
1	86	129.25	1101	16513		
1	87	129.25	1104	16551		
1	88	129.25	1106	16590		
1	89	129.25	1109	16629		
1	90	129.25	1111	16670		
1	91	129.25	1114	16712		
1	92	129.25	1117	16754		
1	93	129.25	1120	16797		
1	94	129.25	1123	16839		
1	95	129.25	1125	16881		
1	96	129.25	1128	16922		
1	97	129.25	1131	16964		
1	98	129.25	1134	17005		
1	99	129.25	1136	17047		
1	100	129.25	1139	17089		
1	101	129.25	1142	17131		
2	1	129.25	4847	60570		
2	2	129.25	4081	51988		
2	3	129.25	3431	44579		
2	4	129.25	2906	38495		
2	5	129.25	2494	33629		
2	6	129.25	2138	29426		
2	7	129.25	1826	25738		
2	8	129.25	1555	22534		
2	9	129.25	1322	19779		
2	10	129.25	1495	21843		
2	11	129.25	1665	23854		
2	12	129.25	1805	25515		
2	13	129.25	1918	26861		
2	14	129.25	2007	27921		
2	15	129.25	2075	28726		
2	16	129.25	2123	29306		
2	17	129.25	2155	29687		
2	18	129.25	2172	29895		
2	19	129.25	2176	29954		
2	20	129.25	2170	29886		
2	21	129.25	2155	29710		
2	22	129.25	2132	29446		
2	23	129.25	2103	29111		
2	24	129.25	2070	28719		
2	25	129.25	2032	28285		
2	26	129.25	1993	27819		
2	27	129.25	1951	27334		
2	28	129.25	1909	26837		
2	29	129.25	1866	26338		
2	30	129.25	1824	25842		
2	31	129.25	1782	25357		
2	32	129.25	1742	24885		
2	33	129.25	1703	24432		
2	34	129.25	1666	24001		
2	35	129.25	1631	23593		
2	36	129.25	1598	23211		
2	37	129.25	1568	22856		
2	38	129.25	1540	22527		
2	39	129.25	1514	22227		
2	40	129.25	1490	21953		
2	41	129.25	1469	21707		
2	42	129.25	1450	21487		
2	43	129.25	1433	21292		
2	44	129.25	1418	21121		
2	45	129.25	1405	20973		
2	46	129.25	1394	20847		
2	47	129.25	1384	20741		
2	48	129.25	1379	20686		
2	49	129.25	1389	20810		
2	50	129.25	1398	20918		
2	51	129.25	1405	21011		
2	52	129.25	1412	21091		
2	53	129.25	1417	21160		
2	54	129.25	1421	21218		
2	55	129.25	1425	21266		
2	56	129.25	1428	21307		
2	57	129.25	1430	21340		
2	58	129.25	1432	21367		
2	59	129.25	1433	21389		
2	60	129.25	1434	21406		
2	61	129.25	1435	21420		
2	62	129.25	1436	21431		
2	63	129.25	1436	21440		
2	64	129.25	1436	21447		
2	65	129.25	1436	21453		

RELAZIONE DI CALCOLO

Ip	Is	Ar [cmq]	σ_c [kPa]	σ_f [kPa]	Tc [kPa]	σ_{stf} [kPa]
2	66	129.25	1436	21459		
2	67	129.25	1436	21463		
2	68	129.25	1436	21468		
2	69	129.25	1436	21473		
2	70	129.25	1436	21479		
2	71	129.25	1436	21485		
2	72	129.25	1436	21492		
2	73	129.25	1436	21500		
2	74	129.25	1436	21509		
2	75	129.25	1437	21520		
2	76	129.25	1437	21531		
2	77	129.25	1438	21544		
2	78	129.25	1439	21558		
2	79	129.25	1439	21573		
2	80	129.25	1440	21589		
2	81	129.25	1441	21606		
2	82	129.25	1442	21625		
2	83	129.25	1443	21644		
2	84	129.25	1445	21665		
2	85	129.25	1446	21687		
2	86	129.25	1447	21709		
2	87	129.25	1449	21732		
2	88	129.25	1450	21756		
2	89	129.25	1452	21781		
2	90	129.25	1454	21806		
2	91	129.25	1456	21833		
2	92	129.25	1457	21861		
2	93	129.25	1459	21889		
2	94	129.25	1461	21916		
2	95	129.25	1463	21943		
2	96	129.25	1465	21969		
2	97	129.25	1466	21996		
2	98	129.25	1468	22023		
2	99	129.25	1470	22049		
2	100	129.25	1472	22076		
2	101	129.25	1474	22103		

10.2.7 Combinazioni SLEQ

Paramento

Tensione massima di compressione nel calcestruzzo 14940 [kPa]
Tensione massima di trazione dell'acciaio 450000 [kPa]

n°	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	M [kNm]	N [kN]	σ_c [kPa]	σ_f [kPa]	σ_{fs} [kPa]
1	100	30	18.10	22.62	-0.45	3.00	46 (7)	324 (7)	469 (7)
2	100	31	18.10	22.62	-0.40	3.74	37 (7)	331 (7)	176 (7)
3	100	32	18.10	22.62	-0.18	4.50	26 (7)	292 (7)	104 (8)
4	100	33	18.10	22.62	0.14	5.29	20 (8)	241 (7)	262 (8)
5	100	34	18.10	22.62	0.59	6.11	45 (8)	168 (7)	473 (8)
6	100	35	18.10	22.62	1.18	6.95	84 (8)	758 (8)	739 (8)
7	100	36	18.10	22.62	1.91	7.81	129 (8)	1721 (8)	1023 (8)
8	100	37	18.10	22.62	2.78	8.71	177 (8)	2867 (8)	1331 (8)
9	100	38	18.10	22.62	3.81	9.62	228 (8)	4169 (8)	1669 (8)
10	100	39	18.10	22.62	4.99	10.56	283 (8)	5614 (8)	2036 (8)
11	100	40	18.10	22.62	6.34	11.53	340 (8)	7191 (8)	2432 (8)
12	100	41	18.10	22.62	7.85	12.52	399 (8)	8894 (8)	2855 (8)
13	100	42	18.10	22.62	9.53	13.54	460 (8)	10717 (8)	3306 (8)
14	100	44	18.10	22.62	11.39	14.58	523 (8)	12655 (8)	3782 (8)
15	100	45	18.10	22.62	13.43	15.64	588 (8)	14704 (8)	4283 (8)
16	100	46	18.10	22.62	15.65	16.74	654 (8)	16860 (8)	4808 (8)
17	100	47	18.10	22.62	18.07	17.85	722 (8)	19120 (8)	5355 (8)
18	100	48	18.10	22.62	20.69	19.00	790 (8)	21481 (8)	5924 (8)
19	100	49	18.10	22.62	23.50	20.16	860 (8)	23940 (8)	6513 (8)
20	100	50	18.10	22.62	26.53	21.36	931 (8)	26496 (8)	7122 (8)
21	100	51	18.10	22.62	29.76	22.57	1004 (8)	29145 (8)	7751 (8)
22	100	52	18.10	22.62	33.22	23.82	1077 (8)	31887 (8)	8398 (8)
23	100	53	18.10	22.62	36.89	25.08	1151 (8)	34719 (8)	9062 (8)
24	100	54	18.10	22.62	40.80	26.38	1226 (8)	37639 (8)	9744 (8)
25	100	55	18.10	22.62	44.93	27.70	1301 (8)	40648 (8)	10443 (8)
26	100	56	18.10	22.62	49.31	29.04	1378 (8)	43742 (8)	11157 (8)
27	100	57	18.10	22.62	53.92	30.41	1455 (8)	46922 (8)	11887 (8)
28	100	58	18.10	22.62	58.78	31.80	1533 (8)	50186 (8)	12632 (8)

RELAZIONE DI CALCOLO

n°	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	M [kNm]	N [kN]	σc [kPa]	σfi [kPa]	σfs [kPa]
29	100	59	18.10	45.24	63.90	33.22	1284 (8)	27850 (8)	12723 (8)
30	100	60	18.10	45.24	69.27	34.67	1346 (8)	29623 (8)	13416 (8)
31	100	61	18.10	45.24	74.91	36.14	1409 (8)	31438 (8)	14118 (8)
32	100	62	18.10	45.24	80.82	37.63	1472 (8)	33293 (8)	14831 (8)
33	100	63	18.10	45.24	86.99	39.15	1535 (8)	35190 (8)	15552 (8)
34	100	64	18.10	45.24	93.45	40.70	1599 (8)	37127 (8)	16282 (8)
35	100	65	0.00	45.24	100.19	42.27	1848 (8)	39571 (8)	0 (7)
36	100	66	0.00	45.24	107.21	43.86	1919 (8)	41617 (8)	0 (7)
37	100	67	0.00	45.24	114.53	45.48	1991 (8)	43703 (8)	0 (7)
38	100	68	0.00	45.24	122.15	47.13	2062 (8)	45828 (8)	0 (7)
39	100	69	0.00	45.24	130.07	48.80	2134 (8)	47994 (8)	0 (7)
40	100	71	0.00	45.24	138.31	50.50	2207 (8)	50198 (8)	0 (7)
41	100	72	0.00	45.24	146.85	52.22	2279 (8)	52442 (8)	0 (7)
42	100	73	0.00	45.24	155.71	53.96	2353 (8)	54726 (8)	0 (7)
43	100	74	0.00	45.24	164.90	55.73	2426 (8)	57048 (8)	0 (7)
44	100	75	0.00	45.24	174.41	57.53	2506 (8)	59514 (8)	0 (7)

Piastra fondazione

Tensione massima di compressione nel calcestruzzo 19920 [kPa]
Tensione massima di trazione dell'acciaio 360000 [kPa]

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
1-1-P	55	90	18.10	18.10	0.03	-0.23	3 (5)	98 (5)	157 (5)
1-2-P	55	90	18.10	18.10	0.02	-0.24	4 (5)	68 (5)	166 (5)
1-3-P	55	90	18.10	18.10	0.01	-0.26	4 (5)	49 (5)	175 (5)
1-4-P	55	90	18.10	18.10	0.00	-0.27	4 (5)	53 (5)	186 (5)
1-5-P	55	90	18.10	18.10	0.00	-0.30	4 (5)	57 (5)	203 (5)
1-6-P	55	90	18.10	18.10	0.00	-0.30	5 (5)	58 (5)	206 (5)
1-7-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	59 (5)	209 (5)
1-8-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-9-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-10-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-11-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-12-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-13-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-14-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-15-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-16-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-17-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-18-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-19-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-20-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-21-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-22-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-23-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-24-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-25-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-26-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-27-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-28-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-29-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-30-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-31-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-32-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-33-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-34-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-35-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-36-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-37-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-38-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-39-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-40-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-41-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-42-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-43-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-44-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-45-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-46-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-47-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-48-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-49-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-50-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-51-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-52-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-53-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-54-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
1-55-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-56-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-57-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-58-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-59-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-60-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-61-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-62-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-63-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-64-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-65-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-66-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-67-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-68-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-69-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-70-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-71-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-72-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-73-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-74-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	60 (5)	211 (5)
1-75-P	55	90	18.10	18.10	0.00	-0.31	5 (5)	59 (5)	209 (5)
1-76-P	55	90	18.10	18.10	0.00	-0.30	5 (5)	58 (5)	206 (5)
1-77-P	55	90	18.10	18.10	0.00	-0.30	4 (5)	57 (5)	203 (5)
1-78-P	55	90	18.10	18.10	0.00	-0.27	4 (5)	53 (5)	186 (5)
1-79-P	55	90	18.10	18.10	0.01	-0.26	4 (5)	49 (5)	175 (5)
1-80-P	55	90	18.10	18.10	0.02	-0.24	4 (5)	68 (5)	166 (5)
1-81-P	55	90	18.10	18.10	0.03	-0.23	3 (5)	98 (5)	157 (5)
3-1-P	93	90	22.62	22.62	1.67	-13.99	153 (8)	2123 (8)	7978 (8)
3-2-P	93	90	22.62	22.62	0.28	-15.57	170 (8)	2152 (8)	8881 (8)
3-3-P	93	90	22.62	22.62	0.00	-18.26	190 (8)	2404 (8)	9920 (8)
3-4-P	93	90	22.62	22.62	0.02	-20.55	213 (8)	2705 (8)	11162 (8)
3-5-P	93	90	22.62	22.62	0.04	-22.84	237 (8)	3007 (8)	12407 (8)
3-6-P	93	90	22.62	22.62	0.06	-23.61	245 (8)	3109 (8)	12829 (8)
3-7-P	93	90	22.62	22.62	0.07	-24.39	253 (8)	3211 (8)	13252 (8)
3-8-P	93	90	22.62	22.62	0.08	-24.99	260 (8)	3290 (8)	13576 (8)
3-9-P	93	90	22.62	22.62	0.07	-25.46	264 (8)	3353 (8)	13834 (8)
3-10-P	93	90	22.62	22.62	0.05	-25.92	269 (8)	3413 (8)	14083 (8)
3-11-P	93	90	22.62	22.62	0.02	-26.33	273 (8)	3467 (8)	14307 (8)
3-12-P	93	90	22.62	22.62	0.00	-26.75	278 (8)	3521 (8)	14531 (8)
3-13-P	93	90	22.62	22.62	0.00	-27.13	282 (8)	3572 (8)	14741 (8)
3-14-P	93	90	22.62	22.62	0.00	-27.51	286 (8)	3622 (8)	14944 (8)
3-15-P	93	90	22.62	22.62	0.00	-27.92	290 (8)	3675 (8)	15166 (8)
3-16-P	93	90	22.62	22.62	0.00	-28.37	295 (8)	3736 (8)	15415 (8)
3-17-P	93	90	22.62	22.62	0.00	-28.83	299 (8)	3796 (8)	15664 (8)
3-18-P	93	90	22.62	22.62	0.00	-29.48	306 (8)	3881 (8)	16016 (8)
3-19-P	93	90	22.62	22.62	0.00	-30.13	313 (8)	3967 (8)	16368 (8)
3-20-P	93	90	22.62	22.62	0.00	-30.77	320 (8)	4052 (8)	16719 (8)
3-21-P	93	90	22.62	22.62	0.00	-31.42	326 (8)	4136 (8)	17068 (8)
3-22-P	93	90	22.62	22.62	0.00	-32.01	332 (8)	4214 (8)	17390 (8)
3-23-P	93	90	22.62	22.62	0.00	-32.40	336 (8)	4266 (8)	17604 (8)
3-24-P	93	90	22.62	22.62	0.00	-32.80	341 (8)	4318 (8)	17819 (8)
3-25-P	93	90	22.62	22.62	0.00	-32.99	343 (8)	4344 (8)	17925 (8)
3-26-P	93	90	22.62	22.62	0.00	-33.14	344 (8)	4363 (8)	18004 (8)
3-27-P	93	90	22.62	22.62	0.00	-33.28	346 (8)	4382 (8)	18082 (8)
3-28-P	93	90	22.62	22.62	0.00	-33.42	347 (8)	4400 (8)	18157 (8)
3-29-P	93	90	22.62	22.62	0.00	-33.56	348 (8)	4419 (8)	18232 (8)
3-30-P	93	90	22.62	22.62	0.00	-33.87	352 (8)	4459 (8)	18398 (8)
3-31-P	93	90	22.62	22.62	0.00	-34.17	355 (8)	4499 (8)	18563 (8)
3-32-P	93	90	22.62	22.62	0.00	-34.48	358 (8)	4540 (8)	18732 (8)
3-33-P	93	90	22.62	22.62	0.00	-34.79	361 (8)	4581 (8)	18902 (8)
3-34-P	93	90	22.62	22.62	0.00	-35.06	364 (8)	4616 (8)	19048 (8)
3-35-P	93	90	22.62	22.62	0.00	-35.16	365 (8)	4629 (8)	19100 (8)
3-36-P	93	90	22.62	22.62	0.00	-35.25	366 (8)	4641 (8)	19151 (8)
3-37-P	93	90	22.62	22.62	0.00	-35.17	365 (8)	4631 (8)	19109 (8)
3-38-P	93	90	22.62	22.62	0.00	-35.06	364 (8)	4615 (8)	19045 (8)
3-39-P	93	90	22.62	22.62	0.00	-34.95	363 (8)	4601 (8)	18985 (8)
3-40-P	93	90	22.62	22.62	0.00	-34.85	362 (8)	4588 (8)	18933 (8)
3-41-P	93	90	22.62	22.62	0.00	-34.76	361 (8)	4576 (8)	18881 (8)
3-42-P	93	90	22.62	22.62	0.00	-34.85	362 (8)	4588 (8)	18933 (8)
3-43-P	93	90	22.62	22.62	0.00	-34.95	363 (8)	4601 (8)	18985 (8)
3-44-P	93	90	22.62	22.62	0.00	-35.06	364 (8)	4615 (8)	19045 (8)
3-45-P	93	90	22.62	22.62	0.00	-35.17	365 (8)	4631 (8)	19109 (8)
3-46-P	93	90	22.62	22.62	0.00	-35.25	366 (8)	4641 (8)	19151 (8)
3-47-P	93	90	22.62	22.62	0.00	-35.16	365 (8)	4629 (8)	19100 (8)
3-48-P	93	90	22.62	22.62	0.00	-35.06	364 (8)	4616 (8)	19048 (8)
3-49-P	93	90	22.62	22.62	0.00	-34.79	361 (8)	4581 (8)	18902 (8)
3-50-P	93	90	22.62	22.62	0.00	-34.48	358 (8)	4540 (8)	18732 (8)
3-51-P	93	90	22.62	22.62	0.00	-34.17	355 (8)	4499 (8)	18563 (8)
3-52-P	93	90	22.62	22.62	0.00	-33.87	352 (8)	4459 (8)	18398 (8)
3-53-P	93	90	22.62	22.62	0.00	-33.56	348 (8)	4419 (8)	18232 (8)
3-54-P	93	90	22.62	22.62	0.00	-33.42	347 (8)	4400 (8)	18157 (8)
3-55-P	93	90	22.62	22.62	0.00	-33.28	346 (8)	4382 (8)	18082 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
3-56-P	93	90	22.62	22.62	0.00	-33.14	344 (8)	4363 (8)	18004 (8)
3-57-P	93	90	22.62	22.62	0.00	-32.99	343 (8)	4344 (8)	17925 (8)
3-58-P	93	90	22.62	22.62	0.00	-32.80	341 (8)	4318 (8)	17819 (8)
3-59-P	93	90	22.62	22.62	0.00	-32.40	336 (8)	4266 (8)	17604 (8)
3-60-P	93	90	22.62	22.62	0.00	-32.01	332 (8)	4214 (8)	17390 (8)
3-61-P	93	90	22.62	22.62	0.00	-31.42	326 (8)	4136 (8)	17068 (8)
3-62-P	93	90	22.62	22.62	0.00	-30.77	320 (8)	4052 (8)	16719 (8)
3-63-P	93	90	22.62	22.62	0.00	-30.13	313 (8)	3967 (8)	16368 (8)
3-64-P	93	90	22.62	22.62	0.00	-29.48	306 (8)	3881 (8)	16016 (8)
3-65-P	93	90	22.62	22.62	0.00	-28.83	299 (8)	3796 (8)	15664 (8)
3-66-P	93	90	22.62	22.62	0.00	-28.37	295 (8)	3736 (8)	15415 (8)
3-67-P	93	90	22.62	22.62	0.00	-27.92	290 (8)	3675 (8)	15166 (8)
3-68-P	93	90	22.62	22.62	0.00	-27.51	286 (8)	3622 (8)	14944 (8)
3-69-P	93	90	22.62	22.62	0.00	-27.13	282 (8)	3572 (8)	14741 (8)
3-70-P	93	90	22.62	22.62	0.00	-26.75	278 (8)	3521 (8)	14531 (8)
3-71-P	93	90	22.62	22.62	0.02	-26.33	273 (8)	3467 (8)	14307 (8)
3-72-P	93	90	22.62	22.62	0.05	-25.92	269 (8)	3413 (8)	14083 (8)
3-73-P	93	90	22.62	22.62	0.07	-25.46	264 (8)	3353 (8)	13834 (8)
3-74-P	93	90	22.62	22.62	0.08	-24.99	260 (8)	3290 (8)	13576 (8)
3-75-P	93	90	22.62	22.62	0.07	-24.39	253 (8)	3211 (8)	13252 (8)
3-76-P	93	90	22.62	22.62	0.06	-23.61	245 (8)	3109 (8)	12829 (8)
3-77-P	93	90	22.62	22.62	0.04	-22.84	237 (8)	3007 (8)	12407 (8)
3-78-P	93	90	22.62	22.62	0.02	-20.55	213 (8)	2705 (8)	11162 (8)
3-79-P	93	90	22.62	22.62	0.00	-18.26	190 (8)	2404 (8)	9920 (8)
3-80-P	93	90	22.62	22.62	0.28	-15.57	170 (8)	2152 (8)	8881 (8)
3-81-P	93	90	22.62	22.62	1.67	-13.99	153 (8)	2123 (8)	7978 (8)
4-1-P	92	90	22.62	22.62	1.44	-1.46	27 (5)	430 (5)	1405 (5)
4-2-P	92	90	22.62	22.62	3.83	-0.13	20 (5)	1044 (5)	253 (5)
4-3-P	92	90	22.62	22.62	7.42	0.00	50 (5)	2595 (5)	629 (5)
4-4-P	92	90	22.62	22.62	13.21	0.00	87 (5)	4564 (5)	1106 (5)
4-5-P	92	90	22.62	22.62	18.99	0.00	125 (5)	6556 (5)	1589 (5)
4-6-P	92	90	22.62	22.62	23.54	0.00	130 (5)	6822 (5)	1653 (5)
4-7-P	92	90	22.62	22.62	28.09	0.00	136 (5)	7105 (5)	1722 (5)
4-8-P	92	90	22.62	22.62	31.96	0.00	139 (5)	7278 (5)	1764 (5)
4-9-P	92	90	22.62	22.62	35.38	0.00	141 (5)	7387 (5)	1790 (5)
4-10-P	92	90	22.62	22.62	38.24	0.00	144 (5)	7515 (5)	1821 (5)
4-11-P	92	90	22.62	22.62	38.90	0.00	148 (5)	7733 (5)	1874 (5)
4-12-P	92	90	22.62	22.62	39.55	0.00	152 (5)	7949 (5)	1926 (5)
4-13-P	92	90	22.62	22.62	38.46	0.00	160 (5)	8355 (5)	2025 (5)
4-14-P	92	90	22.62	22.62	36.93	0.00	168 (5)	8811 (5)	2135 (5)
4-15-P	92	90	22.62	22.62	35.69	0.00	178 (5)	9323 (5)	2259 (5)
4-16-P	92	90	22.62	22.62	34.89	0.00	190 (5)	9918 (5)	2404 (5)
4-17-P	92	90	22.62	22.62	34.09	0.00	201 (5)	10513 (5)	2548 (5)
4-18-P	92	90	22.62	22.62	33.97	0.00	184 (5)	9630 (5)	2334 (5)
4-19-P	92	90	22.62	22.62	33.84	0.00	176 (5)	9192 (5)	2228 (5)
4-20-P	92	90	22.62	22.62	34.34	0.00	161 (5)	8432 (5)	2043 (5)
4-21-P	92	90	22.62	22.62	35.27	0.00	156 (5)	8184 (5)	1983 (5)
4-22-P	92	90	22.62	22.62	35.90	0.00	145 (5)	7608 (5)	1844 (5)
4-23-P	92	90	22.62	22.62	35.39	0.00	141 (5)	7401 (5)	1793 (5)
4-24-P	92	90	22.62	22.62	34.88	0.00	145 (5)	7597 (5)	1841 (5)
4-25-P	92	90	22.62	22.62	33.24	0.00	149 (5)	7809 (5)	1893 (5)
4-26-P	92	90	22.62	22.62	31.31	0.00	155 (5)	8124 (5)	1969 (5)
4-27-P	92	90	22.62	22.62	29.85	0.00	164 (5)	8576 (5)	2078 (5)
4-28-P	92	90	22.62	22.62	29.07	0.00	176 (5)	9231 (5)	2237 (5)
4-29-P	92	90	22.62	22.62	28.30	0.00	189 (5)	9886 (5)	2396 (5)
4-30-P	92	90	22.62	22.62	28.40	0.00	171 (5)	8967 (5)	2173 (5)
4-31-P	92	90	22.62	22.62	28.50	0.00	154 (5)	8046 (5)	1950 (5)
4-32-P	92	90	22.62	22.62	29.29	0.00	140 (5)	7324 (5)	1969 (5)
4-33-P	92	90	22.62	22.62	30.54	0.00	136 (5)	7137 (5)	2283 (5)
4-34-P	92	90	22.62	22.62	31.51	0.00	127 (5)	6653 (5)	2117 (5)
4-35-P	92	90	22.62	22.62	31.35	0.00	126 (5)	6581 (5)	2671 (5)
4-36-P	92	90	22.62	22.62	31.20	0.00	125 (5)	6515 (5)	2729 (5)
4-37-P	92	90	22.62	22.62	29.91	0.00	131 (5)	6876 (5)	2518 (5)
4-38-P	92	90	22.62	22.62	28.35	0.00	140 (5)	7343 (5)	2238 (5)
4-39-P	92	90	22.62	22.62	27.23	0.00	152 (5)	7954 (5)	2000 (5)
4-40-P	92	90	22.62	22.62	26.80	0.00	159 (5)	8297 (5)	2011 (5)
4-41-P	92	90	22.62	22.62	26.37	0.00	174 (5)	9089 (5)	2203 (5)
4-42-P	92	90	22.62	22.62	26.80	0.00	159 (5)	8297 (5)	2011 (5)
4-43-P	92	90	22.62	22.62	27.23	0.00	152 (5)	7954 (5)	2000 (5)
4-44-P	92	90	22.62	22.62	28.35	0.00	140 (5)	7343 (5)	2238 (5)
4-45-P	92	90	22.62	22.62	29.91	0.00	131 (5)	6876 (5)	2518 (5)
4-46-P	92	90	22.62	22.62	31.20	0.00	125 (5)	6515 (5)	2729 (5)
4-47-P	92	90	22.62	22.62	31.35	0.00	126 (5)	6581 (5)	2671 (5)
4-48-P	92	90	22.62	22.62	31.51	0.00	127 (5)	6653 (5)	2117 (5)
4-49-P	92	90	22.62	22.62	30.54	0.00	136 (5)	7137 (5)	2283 (5)
4-50-P	92	90	22.62	22.62	29.29	0.00	140 (5)	7324 (5)	1969 (5)
4-51-P	92	90	22.62	22.62	28.50	0.00	154 (5)	8046 (5)	1950 (5)
4-52-P	92	90	22.62	22.62	28.40	0.00	171 (5)	8967 (5)	2173 (5)
4-53-P	92	90	22.62	22.62	28.30	0.00	189 (5)	9886 (5)	2396 (5)
4-54-P	92	90	22.62	22.62	29.07	0.00	176 (5)	9231 (5)	2237 (5)
4-55-P	92	90	22.62	22.62	29.85	0.00	164 (5)	8576 (5)	2078 (5)
4-56-P	92	90	22.62	22.62	31.31	0.00	155 (5)	8124 (5)	1969 (5)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
4-57-P	92	90	22.62	22.62	33.24	0.00	149 (5)	7809 (5)	1893 (5)
4-58-P	92	90	22.62	22.62	34.88	0.00	145 (5)	7597 (5)	1841 (5)
4-59-P	92	90	22.62	22.62	35.39	0.00	141 (5)	7401 (5)	1793 (5)
4-60-P	92	90	22.62	22.62	35.90	0.00	145 (5)	7608 (5)	1844 (5)
4-61-P	92	90	22.62	22.62	35.27	0.00	156 (5)	8184 (5)	1983 (5)
4-62-P	92	90	22.62	22.62	34.34	0.00	161 (5)	8432 (5)	2043 (5)
4-63-P	92	90	22.62	22.62	33.84	0.00	176 (5)	9192 (5)	2228 (5)
4-64-P	92	90	22.62	22.62	33.97	0.00	184 (5)	9630 (5)	2334 (5)
4-65-P	92	90	22.62	22.62	34.09	0.00	201 (5)	10513 (5)	2548 (5)
4-66-P	92	90	22.62	22.62	34.89	0.00	190 (5)	9918 (5)	2404 (5)
4-67-P	92	90	22.62	22.62	35.69	0.00	178 (5)	9323 (5)	2259 (5)
4-68-P	92	90	22.62	22.62	36.93	0.00	168 (5)	8811 (5)	2135 (5)
4-69-P	92	90	22.62	22.62	38.46	0.00	160 (5)	8355 (5)	2025 (5)
4-70-P	92	90	22.62	22.62	39.55	0.00	152 (5)	7949 (5)	1926 (5)
4-71-P	92	90	22.62	22.62	38.90	0.00	148 (5)	7733 (5)	1874 (5)
4-72-P	92	90	22.62	22.62	38.24	0.00	144 (5)	7515 (5)	1821 (5)
4-73-P	92	90	22.62	22.62	35.38	0.00	141 (5)	7387 (5)	1790 (5)
4-74-P	92	90	22.62	22.62	31.96	0.00	139 (5)	7278 (5)	1764 (5)
4-75-P	92	90	22.62	22.62	28.09	0.00	136 (5)	7105 (5)	1722 (5)
4-76-P	92	90	22.62	22.62	23.54	0.00	130 (5)	6822 (5)	1653 (5)
4-77-P	92	90	22.62	22.62	18.99	0.00	125 (5)	6556 (5)	1589 (5)
4-78-P	92	90	22.62	22.62	13.21	0.00	87 (5)	4564 (5)	1106 (5)
4-79-P	92	90	22.62	22.62	7.42	0.00	50 (5)	2595 (5)	629 (5)
4-80-P	92	90	22.62	22.62	3.83	-0.13	20 (5)	1044 (5)	253 (5)
4-81-P	92	90	22.62	22.62	1.44	-1.46	27 (5)	430 (5)	1405 (5)
5-1-P	92	90	22.62	22.62	4.54	-0.15	47 (8)	2467 (8)	598 (8)
5-2-P	92	90	22.62	22.62	1.56	-0.08	16 (8)	850 (8)	226 (8)
5-3-P	92	90	22.62	22.62	4.18	-5.61	72 (8)	2273 (8)	3762 (8)
5-4-P	92	90	22.62	22.62	10.22	-5.44	169 (8)	5553 (8)	8861 (8)
5-5-P	92	90	22.62	22.62	21.44	-10.45	380 (8)	11648 (8)	19867 (8)
5-6-P	92	90	22.62	22.62	19.87	-5.33	206 (8)	10795 (8)	10129 (8)
5-7-P	92	90	22.62	22.62	21.35	-3.25	222 (8)	11597 (8)	5300 (8)
5-8-P	92	90	22.62	22.62	26.00	0.00	253 (5)	13227 (5)	3206 (5)
5-9-P	92	90	22.62	22.62	39.87	0.00	321 (5)	16772 (5)	4065 (5)
5-10-P	92	90	22.62	22.62	51.22	0.00	382 (5)	20003 (5)	4848 (5)
5-11-P	92	90	22.62	22.62	52.48	0.00	392 (5)	20500 (5)	4968 (5)
5-12-P	92	90	22.62	22.62	53.75	0.00	401 (5)	20998 (5)	5089 (5)
5-13-P	92	90	22.62	22.62	45.44	0.00	364 (5)	19038 (5)	4614 (5)
5-14-P	92	90	22.62	22.62	34.73	0.00	315 (5)	16463 (5)	3990 (5)
5-15-P	92	90	22.62	22.62	27.84	0.00	289 (8)	15125 (8)	3666 (8)
5-16-P	92	90	22.62	22.62	29.26	-0.83	304 (8)	15897 (8)	4742 (8)
5-17-P	92	90	22.62	22.62	34.28	-5.26	356 (8)	18622 (8)	11998 (8)
5-18-P	92	90	22.62	22.62	30.15	-1.89	313 (8)	16379 (8)	5399 (8)
5-19-P	92	90	22.62	22.62	28.24	-0.74	293 (8)	15340 (8)	3717 (8)
5-20-P	92	90	22.62	22.62	33.83	0.00	311 (5)	16262 (5)	3941 (5)
5-21-P	92	90	22.62	22.62	44.53	0.00	361 (5)	18879 (5)	4575 (5)
5-22-P	92	90	22.62	22.62	53.00	0.00	400 (5)	20935 (5)	5074 (5)
5-23-P	92	90	22.62	22.62	52.50	0.00	397 (5)	20747 (5)	5028 (5)
5-24-P	92	90	22.62	22.62	51.99	0.00	393 (5)	20559 (5)	4982 (5)
5-25-P	92	90	22.62	22.62	42.56	0.00	347 (5)	18146 (5)	4398 (5)
5-26-P	92	90	22.62	22.62	30.91	0.00	290 (5)	15177 (5)	3678 (5)
5-27-P	92	90	22.62	22.62	25.02	-0.12	260 (8)	13593 (8)	3294 (8)
5-28-P	92	90	22.62	22.62	26.70	-1.54	277 (8)	14508 (8)	5856 (8)
5-29-P	92	90	22.62	22.62	31.41	-5.99	326 (8)	17067 (8)	13666 (8)
5-30-P	92	90	22.62	22.62	26.63	-2.03	277 (8)	14468 (8)	5803 (8)
5-31-P	92	90	22.62	22.62	24.40	-0.63	253 (8)	13257 (8)	3213 (8)
5-32-P	92	90	22.62	22.62	28.56	0.00	273 (5)	14259 (5)	3456 (5)
5-33-P	92	90	22.62	22.62	39.46	0.00	324 (5)	16932 (5)	4103 (5)
5-34-P	92	90	22.62	22.62	48.14	0.00	364 (5)	19054 (5)	4618 (5)
5-35-P	92	90	22.62	22.62	47.94	0.00	363 (5)	18975 (5)	4598 (5)
5-36-P	92	90	22.62	22.62	47.74	0.00	361 (5)	18895 (5)	4579 (5)
5-37-P	92	90	22.62	22.62	38.67	0.00	318 (5)	16614 (5)	4026 (5)
5-38-P	92	90	22.62	22.62	27.38	0.00	263 (5)	13783 (5)	3340 (5)
5-39-P	92	90	22.62	22.62	23.10	-0.50	240 (8)	12549 (8)	3041 (8)
5-40-P	92	90	22.62	22.62	25.22	-2.08	262 (8)	13703 (8)	5944 (8)
5-41-P	92	90	22.62	22.62	30.10	-6.42	313 (8)	16352 (8)	14651 (8)
5-42-P	92	90	22.62	22.62	25.22	-2.08	262 (8)	13703 (8)	5944 (8)
5-43-P	92	90	22.62	22.62	23.10	-0.50	240 (8)	12549 (8)	3041 (8)
5-44-P	92	90	22.62	22.62	27.38	0.00	263 (5)	13783 (5)	3340 (5)
5-45-P	92	90	22.62	22.62	38.67	0.00	318 (5)	16614 (5)	4026 (5)
5-46-P	92	90	22.62	22.62	47.74	0.00	361 (5)	18895 (5)	4579 (5)
5-47-P	92	90	22.62	22.62	47.94	0.00	363 (5)	18975 (5)	4598 (5)
5-48-P	92	90	22.62	22.62	48.14	0.00	364 (5)	19054 (5)	4618 (5)
5-49-P	92	90	22.62	22.62	39.46	0.00	324 (5)	16932 (5)	4103 (5)
5-50-P	92	90	22.62	22.62	28.56	0.00	273 (5)	14259 (5)	3456 (5)
5-51-P	92	90	22.62	22.62	24.40	-0.63	253 (8)	13257 (8)	3213 (8)
5-52-P	92	90	22.62	22.62	26.63	-2.03	277 (8)	14468 (8)	5803 (8)
5-53-P	92	90	22.62	22.62	31.41	-5.99	326 (8)	17067 (8)	13666 (8)
5-54-P	92	90	22.62	22.62	26.70	-1.54	277 (8)	14508 (8)	5856 (8)
5-55-P	92	90	22.62	22.62	25.02	-0.12	260 (8)	13593 (8)	3294 (8)
5-56-P	92	90	22.62	22.62	30.91	0.00	290 (5)	15177 (5)	3678 (5)
5-57-P	92	90	22.62	22.62	42.56	0.00	347 (5)	18146 (5)	4398 (5)

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
5-58-P	92	90	22.62	22.62	51.99	0.00	393 (5)	20559 (5)	4982 (5)
5-59-P	92	90	22.62	22.62	52.50	0.00	397 (5)	20747 (5)	5028 (5)
5-60-P	92	90	22.62	22.62	53.00	0.00	400 (5)	20935 (5)	5074 (5)
5-61-P	92	90	22.62	22.62	44.53	0.00	361 (5)	18879 (5)	4575 (5)
5-62-P	92	90	22.62	22.62	33.83	0.00	311 (5)	16262 (5)	3941 (5)
5-63-P	92	90	22.62	22.62	28.24	-0.74	293 (8)	15340 (8)	3717 (8)
5-64-P	92	90	22.62	22.62	30.15	-1.89	313 (8)	16379 (8)	5399 (8)
5-65-P	92	90	22.62	22.62	34.28	-5.26	356 (8)	18622 (8)	11998 (8)
5-66-P	92	90	22.62	22.62	29.26	-0.83	304 (8)	15897 (8)	4742 (8)
5-67-P	92	90	22.62	22.62	27.84	0.00	289 (8)	15125 (8)	3666 (8)
5-68-P	92	90	22.62	22.62	34.73	0.00	315 (5)	16463 (5)	3990 (5)
5-69-P	92	90	22.62	22.62	45.44	0.00	364 (5)	19038 (5)	4614 (5)
5-70-P	92	90	22.62	22.62	53.75	0.00	401 (5)	20998 (5)	5089 (5)
5-71-P	92	90	22.62	22.62	52.48	0.00	392 (5)	20500 (5)	4968 (5)
5-72-P	92	90	22.62	22.62	51.22	0.00	382 (5)	20003 (5)	4848 (5)
5-73-P	92	90	22.62	22.62	39.87	0.00	321 (5)	16772 (5)	4065 (5)
5-74-P	92	90	22.62	22.62	26.00	0.00	253 (5)	13227 (5)	3206 (5)
5-75-P	92	90	22.62	22.62	21.35	-3.25	222 (8)	11597 (8)	5300 (8)
5-76-P	92	90	22.62	22.62	19.87	-5.33	206 (8)	10795 (8)	10129 (8)
5-77-P	92	90	22.62	22.62	21.44	-10.45	380 (8)	11648 (8)	19867 (8)
5-78-P	92	90	22.62	22.62	10.22	-5.44	169 (8)	5553 (8)	8861 (8)
5-79-P	92	90	22.62	22.62	4.18	-5.61	72 (8)	2273 (8)	3762 (8)
5-80-P	92	90	22.62	22.62	1.56	-0.08	16 (8)	850 (8)	226 (8)
5-81-P	92	90	22.62	22.62	4.54	-0.15	47 (8)	2467 (8)	598 (8)
6-1-P	92	90	22.62	22.62	1.78	-6.79	88 (8)	1118 (8)	4612 (8)
6-2-P	92	90	22.62	22.62	0.63	-14.16	111 (5)	1402 (5)	5786 (5)
6-3-P	92	90	22.62	22.62	8.03	-20.50	213 (8)	4362 (8)	11137 (8)
6-4-P	92	90	22.62	22.62	0.00	-69.60	528 (5)	6698 (5)	27639 (5)
6-5-P	92	90	22.62	22.62	0.00	-115.80	918 (5)	11640 (5)	48031 (5)
6-6-P	92	90	22.62	22.62	0.00	-64.45	503 (5)	6379 (5)	26322 (5)
6-7-P	92	90	22.62	22.62	18.34	-23.39	243 (8)	9961 (8)	12705 (8)
6-8-P	92	90	22.62	22.62	26.32	-6.93	273 (8)	14297 (8)	3765 (8)
6-9-P	92	90	22.62	22.62	37.42	-0.03	333 (5)	17412 (5)	4220 (5)
6-10-P	92	90	22.62	22.62	52.53	0.00	440 (5)	23040 (5)	5584 (5)
6-11-P	92	90	22.62	22.62	54.06	0.00	452 (5)	23664 (5)	5735 (5)
6-12-P	92	90	22.62	22.62	55.59	0.00	464 (5)	24288 (5)	5886 (5)
6-13-P	92	90	22.62	22.62	43.51	0.00	379 (5)	19850 (5)	4811 (5)
6-14-P	92	90	22.62	22.62	28.02	0.00	270 (5)	14147 (5)	3428 (5)
6-15-P	92	90	22.62	22.62	10.69	-6.65	111 (8)	5810 (8)	3791 (8)
6-16-P	92	90	22.62	22.62	0.00	-48.20	365 (5)	4623 (5)	19075 (5)
6-17-P	92	90	22.62	22.62	0.00	-95.82	764 (5)	9689 (5)	39981 (5)
6-18-P	92	90	22.62	22.62	0.00	-48.32	381 (5)	4829 (5)	19925 (5)
6-19-P	92	90	22.62	22.62	18.21	-14.29	189 (8)	9891 (8)	7764 (8)
6-20-P	92	90	22.62	22.62	28.07	-0.18	277 (5)	14507 (5)	3516 (5)
6-21-P	92	90	22.62	22.62	43.64	0.00	381 (5)	19943 (5)	4833 (5)
6-22-P	92	90	22.62	22.62	56.13	0.00	469 (5)	24556 (5)	5951 (5)
6-23-P	92	90	22.62	22.62	55.60	0.00	465 (5)	24353 (5)	5902 (5)
6-24-P	92	90	22.62	22.62	55.08	0.00	462 (5)	24151 (5)	5853 (5)
6-25-P	92	90	22.62	22.62	41.60	0.00	366 (5)	19159 (5)	4643 (5)
6-26-P	92	90	22.62	22.62	24.88	0.00	248 (5)	12969 (5)	3143 (5)
6-27-P	92	90	22.62	22.62	12.51	-11.35	130 (8)	6798 (8)	6166 (8)
6-28-P	92	90	22.62	22.62	0.00	-52.94	402 (5)	5100 (5)	21045 (5)
6-29-P	92	90	22.62	22.62	0.00	-101.16	803 (5)	10186 (5)	42029 (5)
6-30-P	92	90	22.62	22.62	0.00	-53.84	414 (5)	5243 (5)	21635 (5)
6-31-P	92	90	22.62	22.62	14.52	-14.67	152 (8)	7890 (8)	7970 (8)
6-32-P	92	90	22.62	22.62	22.39	-0.47	233 (8)	12166 (8)	2948 (8)
6-33-P	92	90	22.62	22.62	38.06	0.00	340 (5)	17764 (5)	4305 (5)
6-34-P	92	90	22.62	22.62	50.70	0.00	429 (5)	22427 (5)	5435 (5)
6-35-P	92	90	22.62	22.62	50.46	0.00	427 (5)	22332 (5)	5412 (5)
6-36-P	92	90	22.62	22.62	50.22	0.00	425 (5)	22237 (5)	5389 (5)
6-37-P	92	90	22.62	22.62	37.11	0.00	332 (5)	17385 (5)	4213 (5)
6-38-P	92	90	22.62	22.62	21.28	-0.40	221 (8)	11560 (8)	2801 (8)
6-39-P	92	90	22.62	22.62	12.96	-14.49	151 (8)	7040 (8)	7874 (8)
6-40-P	92	90	22.62	22.62	0.00	-56.19	429 (5)	5434 (5)	22421 (5)
6-41-P	92	90	22.62	22.62	0.00	-103.97	825 (5)	10457 (5)	43150 (5)
6-42-P	92	90	22.62	22.62	0.00	-56.19	429 (5)	5434 (5)	22421 (5)
6-43-P	92	90	22.62	22.62	12.96	-14.49	151 (8)	7040 (8)	7874 (8)
6-44-P	92	90	22.62	22.62	21.28	-0.40	221 (8)	11560 (8)	2801 (8)
6-45-P	92	90	22.62	22.62	37.11	0.00	332 (5)	17385 (5)	4213 (5)
6-46-P	92	90	22.62	22.62	50.22	0.00	425 (5)	22237 (5)	5389 (5)
6-47-P	92	90	22.62	22.62	50.46	0.00	427 (5)	22332 (5)	5412 (5)
6-48-P	92	90	22.62	22.62	50.70	0.00	429 (5)	22427 (5)	5435 (5)
6-49-P	92	90	22.62	22.62	38.06	0.00	340 (5)	17764 (5)	4305 (5)
6-50-P	92	90	22.62	22.62	22.39	-0.47	233 (8)	12166 (8)	2948 (8)
6-51-P	92	90	22.62	22.62	14.52	-14.67	152 (8)	7890 (8)	7970 (8)
6-52-P	92	90	22.62	22.62	0.00	-53.84	414 (5)	5243 (5)	21635 (5)
6-53-P	92	90	22.62	22.62	0.00	-101.16	803 (5)	10186 (5)	42029 (5)
6-54-P	92	90	22.62	22.62	0.00	-52.94	402 (5)	5100 (5)	21045 (5)
6-55-P	92	90	22.62	22.62	12.51	-11.35	130 (8)	6798 (8)	6166 (8)
6-56-P	92	90	22.62	22.62	24.88	0.00	248 (5)	12969 (5)	3143 (5)
6-57-P	92	90	22.62	22.62	41.60	0.00	366 (5)	19159 (5)	4643 (5)
6-58-P	92	90	22.62	22.62	55.08	0.00	462 (5)	24151 (5)	5853 (5)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
6-59-P	92	90	22.62	22.62	55.60	0.00	465 (5)	24353 (5)	5902 (5)
6-60-P	92	90	22.62	22.62	56.13	0.00	469 (5)	24556 (5)	5951 (5)
6-61-P	92	90	22.62	22.62	43.64	0.00	381 (5)	19943 (5)	4833 (5)
6-62-P	92	90	22.62	22.62	28.07	-0.18	277 (5)	14507 (5)	3516 (5)
6-63-P	92	90	22.62	22.62	18.21	-14.29	189 (8)	9891 (8)	7764 (8)
6-64-P	92	90	22.62	22.62	0.00	-48.32	381 (5)	4829 (5)	19925 (5)
6-65-P	92	90	22.62	22.62	0.00	-95.82	764 (5)	9689 (5)	39981 (5)
6-66-P	92	90	22.62	22.62	0.00	-48.20	365 (5)	4623 (5)	19075 (5)
6-67-P	92	90	22.62	22.62	10.69	-6.65	111 (8)	5810 (8)	3791 (8)
6-68-P	92	90	22.62	22.62	28.02	0.00	270 (5)	14147 (5)	3428 (5)
6-69-P	92	90	22.62	22.62	43.51	0.00	379 (5)	19850 (5)	4811 (5)
6-70-P	92	90	22.62	22.62	55.59	0.00	464 (5)	24288 (5)	5886 (5)
6-71-P	92	90	22.62	22.62	54.06	0.00	452 (5)	23664 (5)	5735 (5)
6-72-P	92	90	22.62	22.62	52.53	0.00	440 (5)	23040 (5)	5584 (5)
6-73-P	92	90	22.62	22.62	37.42	-0.03	333 (5)	17412 (5)	4220 (5)
6-74-P	92	90	22.62	22.62	26.32	-6.93	273 (8)	14297 (8)	3765 (8)
6-75-P	92	90	22.62	22.62	18.34	-23.39	243 (8)	9961 (8)	12705 (8)
6-76-P	92	90	22.62	22.62	0.00	-64.45	503 (5)	6379 (5)	26322 (5)
6-77-P	92	90	22.62	22.62	0.00	-115.80	918 (5)	11640 (5)	48031 (5)
6-78-P	92	90	22.62	22.62	0.00	-69.60	528 (5)	6698 (5)	27639 (5)
6-79-P	92	90	22.62	22.62	8.03	-20.50	213 (8)	4362 (8)	11137 (8)
6-80-P	92	90	22.62	22.62	0.63	-14.16	111 (5)	1402 (5)	5786 (5)
6-81-P	92	90	22.62	22.62	1.78	-6.79	88 (8)	1118 (8)	4612 (8)
7-1-S	100	90	22.62	22.62	0.05	-0.01	1 (5)	26 (5)	35 (5)
7-2-S	100	90	22.62	22.62	0.00	-1.23	12 (5)	156 (5)	669 (5)
7-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1357 (5)
7-4-S	100	90	22.62	22.62	0.00	-3.77	38 (5)	475 (5)	2045 (5)
7-5-S	100	90	22.62	22.62	0.00	-178.16	1781 (8)	22467 (8)	96663 (8)
7-6-S	100	90	22.62	22.62	0.00	-121.55	1215 (8)	15329 (8)	65951 (8)
7-7-S	100	90	22.62	22.62	0.00	-64.95	649 (8)	8190 (8)	35238 (8)
7-8-S	100	90	22.62	22.62	116.80	0.00	184 (5)	2324 (5)	10000 (5)
7-9-S	100	90	22.62	22.62	133.33	0.00	226 (5)	12288 (5)	2856 (5)
7-10-S	100	90	22.62	22.62	145.54	0.00	600 (5)	32558 (5)	7567 (5)
7-11-S	100	90	22.62	22.62	147.41	0.00	885 (5)	48043 (5)	11166 (5)
7-12-S	100	90	22.62	22.62	149.29	0.00	1171 (5)	63527 (5)	14765 (5)
7-13-S	100	90	22.62	22.62	136.22	0.00	1321 (5)	71703 (5)	16666 (5)
7-14-S	100	90	22.62	22.62	146.50	0.00	1465 (8)	79488 (8)	18475 (8)
7-15-S	100	90	22.62	22.62	125.41	-0.04	1254 (8)	68044 (8)	15815 (8)
7-16-S	100	90	22.62	22.62	80.72	-0.67	807 (8)	43797 (8)	10179 (8)
7-17-S	100	90	22.62	22.62	44.23	-8.24	546 (8)	29645 (8)	6890 (8)
7-18-S	100	90	22.62	22.62	24.93	-27.02	415 (8)	22545 (8)	14661 (8)
7-19-S	100	90	22.62	22.62	12.86	-24.92	249 (8)	11273 (8)	13522 (8)
7-20-S	100	90	22.62	22.62	7.23	-7.12	121 (8)	6541 (8)	4828 (8)
8-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	158 (5)	678 (5)
8-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	316 (5)	1358 (5)
8-4-S	100	90	22.62	22.62	0.00	-3.76	38 (5)	474 (5)	2038 (5)
8-5-S	100	90	22.62	22.62	0.00	-182.74	1827 (8)	23045 (8)	99150 (8)
8-6-S	100	90	22.62	22.62	0.00	-127.57	1276 (8)	16087 (8)	69215 (8)
8-7-S	100	90	22.62	22.62	0.00	-72.39	724 (8)	9130 (8)	39279 (8)
8-8-S	100	90	22.62	22.62	0.00	-26.42	264 (8)	3331 (8)	14333 (8)
8-9-S	100	90	22.62	22.62	124.53	0.00	149 (5)	8090 (5)	1880 (5)
8-10-S	100	90	22.62	22.62	136.65	0.00	517 (5)	28043 (5)	6518 (5)
8-11-S	100	90	22.62	22.62	139.83	0.00	796 (5)	43184 (5)	10037 (5)
8-12-S	100	90	22.62	22.62	143.02	0.00	1075 (5)	58325 (5)	13556 (5)
8-13-S	100	90	22.62	22.62	133.17	0.00	1242 (5)	67404 (5)	15666 (5)
8-14-S	100	90	22.62	22.62	140.33	0.00	1403 (8)	76136 (8)	17696 (8)
8-15-S	100	90	22.62	22.62	120.31	-0.12	1203 (8)	65277 (8)	15172 (8)
8-16-S	100	90	22.62	22.62	78.54	-3.18	785 (8)	42613 (8)	9904 (8)
8-17-S	100	90	22.62	22.62	46.50	-14.62	581 (8)	31537 (8)	9918 (8)
8-18-S	100	90	22.62	22.62	27.41	-34.60	411 (8)	22311 (8)	21902 (8)
8-19-S	100	90	22.62	22.62	16.98	-31.61	349 (8)	14881 (8)	18955 (8)
8-20-S	100	90	22.62	22.62	9.98	-12.80	166 (8)	9027 (8)	6942 (8)
9-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
9-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	158 (5)	678 (5)
9-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)
9-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2033 (5)
9-5-S	100	90	22.62	22.62	0.00	-193.67	1937 (8)	24423 (8)	105080 (8)
9-6-S	100	90	22.62	22.62	0.00	-137.96	1379 (8)	17398 (8)	74853 (8)
9-7-S	100	90	22.62	22.62	0.00	-82.25	822 (8)	10372 (8)	44626 (8)
9-8-S	100	90	22.62	22.62	0.00	-36.38	364 (8)	4588 (8)	19741 (8)
9-9-S	100	90	22.62	22.62	111.95	0.00	62 (5)	3381 (5)	1132 (5)
9-10-S	100	90	22.62	22.62	123.69	0.00	393 (5)	21342 (5)	4960 (5)
9-11-S	100	90	22.62	22.62	124.02	0.00	619 (5)	33582 (5)	7805 (5)
9-12-S	100	90	22.62	22.62	124.35	0.00	844 (5)	45823 (5)	10650 (5)
9-13-S	100	90	22.62	22.62	112.25	0.00	888 (5)	48185 (5)	11199 (5)
9-14-S	100	90	22.62	22.62	99.43	0.00	921 (5)	49982 (5)	11617 (5)
9-15-S	100	90	22.62	22.62	84.77	0.00	848 (8)	45993 (8)	10690 (8)
9-16-S	100	90	22.62	22.62	70.14	0.00	701 (8)	38058 (8)	8846 (8)
9-17-S	100	90	22.62	22.62	53.88	0.00	539 (8)	29233 (8)	6794 (8)
9-18-S	100	90	22.62	22.62	32.50	0.00	325 (8)	17636 (8)	4099 (8)
9-19-S	100	90	22.62	22.62	17.94	0.00	179 (8)	9736 (8)	2263 (8)
9-20-S	100	90	22.62	22.62	7.53	0.00	75 (8)	4086 (8)	950 (8)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
10-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
10-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	157 (5)	677 (5)
10-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)
10-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2032 (5)
10-5-S	100	90	22.62	22.62	0.00	-206.76	2067 (8)	26073 (8)	112179 (8)
10-6-S	100	90	22.62	22.62	0.00	-149.31	1493 (8)	18829 (8)	81011 (8)
10-7-S	100	90	22.62	22.62	0.00	-91.86	919 (8)	11585 (8)	49843 (8)
10-8-S	100	90	22.62	22.62	0.00	-43.96	440 (8)	5543 (8)	23850 (8)
10-9-S	100	90	22.62	22.62	105.74	0.00	38 (5)	1410 (5)	2071 (5)
10-10-S	100	90	22.62	22.62	121.53	0.00	376 (5)	20401 (5)	4742 (5)
10-11-S	100	90	22.62	22.62	127.68	0.00	671 (5)	36435 (5)	8469 (5)
10-12-S	100	90	22.62	22.62	133.83	0.00	967 (5)	52470 (5)	12195 (5)
10-13-S	100	90	22.62	22.62	125.77	0.00	1145 (5)	62117 (5)	14438 (5)
10-14-S	100	90	22.62	22.62	131.59	0.00	1316 (8)	71399 (8)	16595 (8)
10-15-S	100	90	22.62	22.62	113.37	0.00	1134 (8)	61511 (8)	14297 (8)
10-16-S	100	90	22.62	22.62	71.09	-0.03	711 (8)	38569 (8)	8964 (8)
10-17-S	100	90	22.62	22.62	38.39	-8.45	480 (8)	26037 (8)	7644 (8)
10-18-S	100	90	22.62	22.62	23.24	-30.47	533 (8)	20369 (8)	28936 (8)
10-19-S	100	90	22.62	22.62	13.84	-28.08	491 (8)	13144 (8)	26666 (8)
10-20-S	100	90	22.62	22.62	6.04	-8.92	111 (8)	5461 (8)	6048 (8)
11-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
11-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	157 (5)	677 (5)
11-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)
11-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2032 (5)
11-5-S	100	90	22.62	22.62	0.00	-216.99	2170 (8)	27364 (8)	117734 (8)
11-6-S	100	90	22.62	22.62	0.00	-158.53	1585 (8)	19992 (8)	86016 (8)
11-7-S	100	90	22.62	22.62	0.00	-100.08	1001 (8)	12620 (8)	54298 (8)
11-8-S	100	90	22.62	22.62	0.00	-51.24	512 (8)	6462 (8)	27802 (8)
11-9-S	100	90	22.62	22.62	97.27	0.00	83 (5)	1041 (5)	4480 (5)
11-10-S	100	90	22.62	22.62	114.44	0.00	320 (5)	17386 (5)	4041 (5)
11-11-S	100	90	22.62	22.62	121.77	0.00	624 (5)	33838 (5)	7865 (5)
11-12-S	100	90	22.62	22.62	129.11	0.00	927 (5)	50289 (5)	11688 (5)
11-13-S	100	90	22.62	22.62	121.98	0.00	1111 (5)	60301 (5)	14015 (5)
11-14-S	100	90	22.62	22.62	128.91	0.00	1289 (8)	69945 (8)	16257 (8)
11-15-S	100	90	22.62	22.62	111.29	0.00	1113 (8)	60383 (8)	14034 (8)
11-16-S	100	90	22.62	22.62	70.78	-1.25	708 (8)	38401 (8)	8926 (8)
11-17-S	100	90	22.62	22.62	41.42	-12.48	518 (8)	28088 (8)	8463 (8)
11-18-S	100	90	22.62	22.62	24.34	-32.15	450 (8)	19812 (8)	24417 (8)
11-19-S	100	90	22.62	22.62	14.78	-29.31	385 (8)	12958 (8)	20870 (8)
11-20-S	100	90	22.62	22.62	7.84	-10.80	131 (8)	7086 (8)	5859 (8)
12-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
12-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	157 (5)	677 (5)
12-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)
12-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2032 (5)
12-5-S	100	90	22.62	22.62	0.00	-223.85	2238 (8)	28230 (8)	121456 (8)
12-6-S	100	90	22.62	22.62	0.00	-165.13	1651 (8)	20824 (8)	89592 (8)
12-7-S	100	90	22.62	22.62	0.00	-106.40	1064 (8)	13417 (8)	57728 (8)
12-8-S	100	90	22.62	22.62	0.00	-57.84	578 (8)	7294 (8)	31382 (8)
12-9-S	100	90	22.62	22.62	87.25	0.00	148 (5)	1866 (5)	8026 (5)
12-10-S	100	90	22.62	22.62	103.11	0.00	228 (5)	12383 (5)	2878 (5)
12-11-S	100	90	22.62	22.62	106.95	0.00	476 (5)	25827 (5)	6003 (5)
12-12-S	100	90	22.62	22.62	110.78	0.00	724 (5)	39270 (5)	9127 (5)
12-13-S	100	90	22.62	22.62	101.36	0.00	787 (5)	42697 (5)	9924 (5)
12-14-S	100	90	22.62	22.62	91.18	0.00	839 (5)	45551 (5)	10587 (5)
12-15-S	100	90	22.62	22.62	78.39	0.00	784 (8)	42534 (8)	9886 (8)
12-16-S	100	90	22.62	22.62	65.46	0.00	655 (8)	35516 (8)	8255 (8)
12-17-S	100	90	22.62	22.62	50.79	0.00	508 (8)	27558 (8)	6405 (8)
12-18-S	100	90	22.62	22.62	30.74	0.00	307 (8)	16677 (8)	3876 (8)
12-19-S	100	90	22.62	22.62	17.03	0.00	170 (8)	9237 (8)	2147 (8)
12-20-S	100	90	22.62	22.62	7.17	0.00	72 (8)	3892 (8)	905 (8)
13-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
13-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	157 (5)	677 (5)
13-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)
13-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2032 (5)
13-5-S	100	90	22.62	22.62	0.00	-229.23	2292 (8)	28907 (8)	124372 (8)
13-6-S	100	90	22.62	22.62	0.00	-169.89	1699 (8)	21425 (8)	92180 (8)
13-7-S	100	90	22.62	22.62	0.00	-110.56	1106 (8)	13943 (8)	59988 (8)
13-8-S	100	90	22.62	22.62	0.00	-60.80	608 (8)	7667 (8)	32986 (8)
13-9-S	100	90	22.62	22.62	85.91	0.00	162 (5)	2044 (5)	8795 (5)
13-10-S	100	90	22.62	22.62	104.45	0.00	244 (5)	13249 (5)	3079 (5)
13-11-S	100	90	22.62	22.62	113.14	0.00	557 (5)	30220 (5)	7024 (5)
13-12-S	100	90	22.62	22.62	121.82	0.00	870 (5)	47191 (5)	10969 (5)
13-13-S	100	90	22.62	22.62	115.91	0.00	1063 (5)	57695 (5)	13410 (5)
13-14-S	100	90	22.62	22.62	125.02	0.00	1250 (8)	67830 (8)	15765 (8)
13-15-S	100	90	22.62	22.62	108.22	0.00	1082 (8)	58718 (8)	13648 (8)
13-16-S	100	90	22.62	22.62	67.43	-0.19	674 (8)	36588 (8)	8504 (8)
13-17-S	100	90	22.62	22.62	37.75	-10.35	472 (8)	25604 (8)	9363 (8)
13-18-S	100	90	22.62	22.62	22.87	-31.56	510 (8)	20043 (8)	27660 (8)
13-19-S	100	90	22.62	22.62	13.78	-28.76	431 (8)	13082 (8)	23407 (8)
13-20-S	100	90	22.62	22.62	6.67	-9.80	122 (8)	6032 (8)	6644 (8)
14-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
14-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	157 (5)	677 (5)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
14-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)
14-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2032 (5)
14-5-S	100	90	22.62	22.62	0.00	-232.28	2323 (8)	29292 (8)	126026 (8)
14-6-S	100	90	22.62	22.62	0.00	-172.82	1728 (8)	21794 (8)	93765 (8)
14-7-S	100	90	22.62	22.62	0.00	-113.36	1133 (8)	14295 (8)	61504 (8)
14-8-S	100	90	22.62	22.62	0.00	-63.42	634 (8)	7997 (8)	34408 (8)
14-9-S	100	90	22.62	22.62	82.75	0.00	186 (5)	2350 (5)	10109 (5)
14-10-S	100	90	22.62	22.62	101.56	0.00	222 (5)	12050 (5)	2801 (5)
14-11-S	100	90	22.62	22.62	110.56	0.00	537 (5)	29150 (5)	6775 (5)
14-12-S	100	90	22.62	22.62	119.56	0.00	852 (5)	46250 (5)	10750 (5)
14-13-S	100	90	22.62	22.62	113.99	0.00	1048 (5)	56891 (5)	13223 (5)
14-14-S	100	90	22.62	22.62	123.79	0.00	1238 (8)	67163 (8)	15610 (8)
14-15-S	100	90	22.62	22.62	107.23	0.00	1072 (8)	58182 (8)	13523 (8)
14-16-S	100	90	22.62	22.62	67.36	-0.87	674 (8)	36549 (8)	8495 (8)
14-17-S	100	90	22.62	22.62	38.88	-12.01	486 (8)	26371 (8)	8142 (8)
14-18-S	100	90	22.62	22.62	23.21	-32.21	451 (8)	20344 (8)	24466 (8)
14-19-S	100	90	22.62	22.62	14.10	-29.24	384 (8)	13386 (8)	20825 (8)
14-20-S	100	90	22.62	22.62	7.26	-10.45	131 (8)	6563 (8)	7086 (8)
15-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
15-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	157 (5)	677 (5)
15-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)
15-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2032 (5)
15-5-S	100	90	22.62	22.62	0.00	-233.52	2335 (8)	29448 (8)	126700 (8)
15-6-S	100	90	22.62	22.62	0.00	-174.33	1743 (8)	21984 (8)	94585 (8)
15-7-S	100	90	22.62	22.62	0.00	-115.14	1151 (8)	14520 (8)	62469 (8)
15-8-S	100	90	22.62	22.62	0.00	-65.99	660 (8)	8321 (8)	35803 (8)
15-9-S	100	90	22.62	22.62	0.00	-22.28	223 (8)	2809 (8)	12087 (8)
15-10-S	100	90	22.62	22.62	94.22	0.00	160 (5)	8697 (5)	2021 (5)
15-11-S	100	90	22.62	22.62	99.07	0.00	416 (5)	22550 (5)	5241 (5)
15-12-S	100	90	22.62	22.62	103.91	0.00	671 (5)	36403 (5)	8461 (5)
15-13-S	100	90	22.62	22.62	95.52	0.00	742 (5)	40253 (5)	9356 (5)
15-14-S	100	90	22.62	22.62	86.38	0.00	802 (5)	43531 (5)	10118 (5)
15-15-S	100	90	22.62	22.62	75.42	0.00	754 (8)	40920 (8)	9511 (8)
15-16-S	100	90	22.62	22.62	63.20	0.00	632 (8)	34292 (8)	7970 (8)
15-17-S	100	90	22.62	22.62	49.24	0.00	492 (8)	26715 (8)	6209 (8)
15-18-S	100	90	22.62	22.62	29.82	0.00	298 (8)	16182 (8)	3761 (8)
15-19-S	100	90	22.62	22.62	16.54	0.00	165 (8)	8974 (8)	2086 (8)
15-20-S	100	90	22.62	22.62	6.99	0.00	70 (8)	3790 (8)	881 (8)
16-1-S	100	90	27.14	27.14	0.00	0.00	0 (5)	0 (5)	0 (5)
16-2-S	100	90	27.14	27.14	0.00	-1.25	11 (5)	145 (5)	566 (5)
16-3-S	100	90	27.14	27.14	0.00	-2.50	23 (5)	290 (5)	1132 (5)
16-4-S	100	90	27.14	27.14	0.00	-3.75	34 (5)	435 (5)	1699 (5)
16-5-S	100	90	27.14	27.14	0.00	-234.79	2136 (8)	27269 (8)	106473 (8)
16-6-S	100	90	27.14	27.14	0.00	-175.27	1595 (8)	20356 (8)	79483 (8)
16-7-S	100	90	27.14	27.14	0.00	-115.76	1053 (8)	13444 (8)	52493 (8)
16-8-S	100	90	27.14	27.14	0.00	-65.70	598 (8)	7631 (8)	29796 (8)
16-9-S	100	90	27.14	27.14	0.00	-20.78	189 (8)	2413 (8)	9423 (8)
16-10-S	100	90	27.14	27.14	98.97	0.00	184 (5)	9168 (5)	2348 (5)
16-11-S	100	90	27.14	27.14	108.22	0.00	472 (5)	23548 (5)	6031 (5)
16-12-S	100	90	27.14	27.14	117.46	0.00	761 (5)	37927 (5)	9713 (5)
16-13-S	100	90	27.14	27.14	112.18	0.00	941 (5)	46920 (5)	12017 (5)
16-14-S	100	90	27.14	27.14	122.62	0.00	1116 (8)	55606 (8)	14241 (8)
16-15-S	100	90	27.14	27.14	106.29	0.00	967 (8)	48200 (8)	12344 (8)
16-16-S	100	90	27.14	27.14	66.39	-0.63	604 (8)	30106 (8)	7710 (8)
16-17-S	100	90	27.14	27.14	37.89	-11.52	431 (8)	21478 (8)	6532 (8)
16-18-S	100	90	27.14	27.14	22.83	-32.13	439 (8)	16722 (8)	21855 (8)
16-19-S	100	90	27.14	27.14	13.85	-29.16	371 (8)	10992 (8)	18515 (8)
16-20-S	100	90	27.14	27.14	6.98	-10.24	116 (8)	5275 (8)	5803 (8)
17-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
17-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	157 (5)	677 (5)
17-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)
17-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2032 (5)
17-5-S	100	90	22.62	22.62	0.00	-234.79	2348 (8)	29609 (8)	127390 (8)
17-6-S	100	90	22.62	22.62	0.00	-175.27	1753 (8)	22103 (8)	95098 (8)
17-7-S	100	90	22.62	22.62	0.00	-115.76	1157 (8)	14598 (8)	62806 (8)
17-8-S	100	90	22.62	22.62	0.00	-65.70	657 (8)	8286 (8)	35649 (8)
17-9-S	100	90	22.62	22.62	0.00	-20.78	208 (8)	2620 (8)	11274 (8)
17-10-S	100	90	22.62	22.62	98.97	0.00	202 (5)	10969 (5)	2550 (5)
17-11-S	100	90	22.62	22.62	108.22	0.00	519 (5)	28174 (5)	6548 (5)
17-12-S	100	90	22.62	22.62	117.46	0.00	836 (5)	45378 (5)	10547 (5)
17-13-S	100	90	22.62	22.62	112.18	0.00	1035 (5)	56138 (5)	13048 (5)
17-14-S	100	90	22.62	22.62	122.62	0.00	1226 (8)	66530 (8)	15463 (8)
17-15-S	100	90	22.62	22.62	106.29	0.00	1063 (8)	57669 (8)	13404 (8)
17-16-S	100	90	22.62	22.62	66.39	-0.63	664 (8)	36021 (8)	8372 (8)
17-17-S	100	90	22.62	22.62	37.89	-11.52	474 (8)	25698 (8)	7815 (8)
17-18-S	100	90	22.62	22.62	22.83	-32.13	482 (8)	20007 (8)	26149 (8)
17-19-S	100	90	22.62	22.62	13.85	-29.16	408 (8)	13152 (8)	22152 (8)
17-20-S	100	90	22.62	22.62	6.98	-10.24	128 (8)	6311 (8)	6943 (8)
18-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
18-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	157 (5)	677 (5)
18-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)
18-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2032 (5)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
18-5-S	100	90	22.62	22.62	0.00	-233.52	2335 (8)	29448 (8)	126700 (8)
18-6-S	100	90	22.62	22.62	0.00	-174.33	1743 (8)	21984 (8)	94585 (8)
18-7-S	100	90	22.62	22.62	0.00	-115.14	1151 (8)	14520 (8)	62469 (8)
18-8-S	100	90	22.62	22.62	0.00	-65.99	660 (8)	8321 (8)	35803 (8)
18-9-S	100	90	22.62	22.62	0.00	-22.28	223 (8)	2809 (8)	12087 (8)
18-10-S	100	90	22.62	22.62	94.22	0.00	160 (5)	8697 (5)	2021 (5)
18-11-S	100	90	22.62	22.62	99.07	0.00	416 (5)	22550 (5)	5241 (5)
18-12-S	100	90	22.62	22.62	103.91	0.00	671 (5)	36403 (5)	8461 (5)
18-13-S	100	90	22.62	22.62	95.52	0.00	742 (5)	40253 (5)	9356 (5)
18-14-S	100	90	22.62	22.62	86.38	0.00	802 (5)	43531 (5)	10118 (5)
18-15-S	100	90	22.62	22.62	75.42	0.00	754 (8)	40920 (8)	9511 (8)
18-16-S	100	90	22.62	22.62	63.20	0.00	632 (8)	34292 (8)	7970 (8)
18-17-S	100	90	22.62	22.62	49.24	0.00	492 (8)	26715 (8)	6209 (8)
18-18-S	100	90	22.62	22.62	29.82	0.00	298 (8)	16182 (8)	3761 (8)
18-19-S	100	90	22.62	22.62	16.54	0.00	165 (8)	8974 (8)	2086 (8)
18-20-S	100	90	22.62	22.62	6.99	0.00	70 (8)	3790 (8)	881 (8)
19-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
19-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	157 (5)	677 (5)
19-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)
19-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2032 (5)
19-5-S	100	90	22.62	22.62	0.00	-232.28	2323 (8)	29292 (8)	126026 (8)
19-6-S	100	90	22.62	22.62	0.00	-172.82	1728 (8)	21794 (8)	93765 (8)
19-7-S	100	90	22.62	22.62	0.00	-113.36	1133 (8)	14295 (8)	61504 (8)
19-8-S	100	90	22.62	22.62	0.00	-63.42	634 (8)	7997 (8)	34408 (8)
19-9-S	100	90	22.62	22.62	82.75	0.00	186 (5)	2350 (5)	10109 (5)
19-10-S	100	90	22.62	22.62	101.56	0.00	222 (5)	12050 (5)	2801 (5)
19-11-S	100	90	22.62	22.62	110.56	0.00	537 (5)	29150 (5)	6775 (5)
19-12-S	100	90	22.62	22.62	119.56	0.00	852 (5)	46250 (5)	10750 (5)
19-13-S	100	90	22.62	22.62	113.99	0.00	1048 (5)	56891 (5)	13223 (5)
19-14-S	100	90	22.62	22.62	123.79	0.00	1238 (8)	67163 (8)	15610 (8)
19-15-S	100	90	22.62	22.62	107.23	0.00	1072 (8)	58182 (8)	13523 (8)
19-16-S	100	90	22.62	22.62	67.36	-0.87	674 (8)	36549 (8)	8495 (8)
19-17-S	100	90	22.62	22.62	38.88	-12.01	486 (8)	26371 (8)	8142 (8)
19-18-S	100	90	22.62	22.62	23.21	-32.21	451 (8)	20344 (8)	24466 (8)
19-19-S	100	90	22.62	22.62	14.10	-29.24	384 (8)	13386 (8)	20825 (8)
19-20-S	100	90	22.62	22.62	7.26	-10.45	131 (8)	6563 (8)	7086 (8)
20-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
20-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	157 (5)	677 (5)
20-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)
20-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2032 (5)
20-5-S	100	90	22.62	22.62	0.00	-229.23	2292 (8)	28907 (8)	124372 (8)
20-6-S	100	90	22.62	22.62	0.00	-169.89	1699 (8)	21425 (8)	92180 (8)
20-7-S	100	90	22.62	22.62	0.00	-110.56	1106 (8)	13943 (8)	59988 (8)
20-8-S	100	90	22.62	22.62	0.00	-60.80	608 (8)	7667 (8)	32986 (8)
20-9-S	100	90	22.62	22.62	85.91	0.00	162 (5)	2044 (5)	8795 (5)
20-10-S	100	90	22.62	22.62	104.45	0.00	244 (5)	13249 (5)	3079 (5)
20-11-S	100	90	22.62	22.62	113.14	0.00	557 (5)	30220 (5)	7024 (5)
20-12-S	100	90	22.62	22.62	121.82	0.00	870 (5)	47191 (5)	10969 (5)
20-13-S	100	90	22.62	22.62	115.91	0.00	1063 (5)	57695 (5)	13410 (5)
20-14-S	100	90	22.62	22.62	125.02	0.00	1250 (8)	67830 (8)	15765 (8)
20-15-S	100	90	22.62	22.62	108.22	0.00	1082 (8)	58718 (8)	13648 (8)
20-16-S	100	90	22.62	22.62	67.43	-0.19	674 (8)	36588 (8)	8504 (8)
20-17-S	100	90	22.62	22.62	37.75	-10.35	472 (8)	25604 (8)	9363 (8)
20-18-S	100	90	22.62	22.62	22.87	-31.56	510 (8)	20043 (8)	27660 (8)
20-19-S	100	90	22.62	22.62	13.78	-28.76	431 (8)	13082 (8)	23407 (8)
20-20-S	100	90	22.62	22.62	6.67	-9.80	122 (8)	6032 (8)	6644 (8)
21-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
21-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	157 (5)	677 (5)
21-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)
21-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2032 (5)
21-5-S	100	90	22.62	22.62	0.00	-223.85	2238 (8)	28230 (8)	121456 (8)
21-6-S	100	90	22.62	22.62	0.00	-165.13	1651 (8)	20824 (8)	89592 (8)
21-7-S	100	90	22.62	22.62	0.00	-106.40	1064 (8)	13417 (8)	57728 (8)
21-8-S	100	90	22.62	22.62	0.00	-57.84	578 (8)	7294 (8)	31382 (8)
21-9-S	100	90	22.62	22.62	87.25	0.00	148 (5)	1866 (5)	8026 (5)
21-10-S	100	90	22.62	22.62	103.11	0.00	228 (5)	12383 (5)	2878 (5)
21-11-S	100	90	22.62	22.62	106.95	0.00	476 (5)	25827 (5)	6003 (5)
21-12-S	100	90	22.62	22.62	110.78	0.00	724 (5)	39270 (5)	9127 (5)
21-13-S	100	90	22.62	22.62	101.36	0.00	787 (5)	42697 (5)	9924 (5)
21-14-S	100	90	22.62	22.62	91.18	0.00	839 (5)	45551 (5)	10587 (5)
21-15-S	100	90	22.62	22.62	78.39	0.00	784 (8)	42534 (8)	9886 (8)
21-16-S	100	90	22.62	22.62	65.46	0.00	655 (8)	35516 (8)	8255 (8)
21-17-S	100	90	22.62	22.62	50.79	0.00	508 (8)	27558 (8)	6405 (8)
21-18-S	100	90	22.62	22.62	30.74	0.00	307 (8)	16677 (8)	3876 (8)
21-19-S	100	90	22.62	22.62	17.03	0.00	170 (8)	9237 (8)	2147 (8)
21-20-S	100	90	22.62	22.62	7.17	0.00	72 (8)	3892 (8)	905 (8)
22-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
22-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	157 (5)	677 (5)
22-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)
22-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2032 (5)
22-5-S	100	90	22.62	22.62	0.00	-216.99	2170 (8)	27364 (8)	117734 (8)
22-6-S	100	90	22.62	22.62	0.00	-158.53	1585 (8)	19992 (8)	86016 (8)

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
22-7-S	100	90	22.62	22.62	0.00	-100.08	1001 (8)	12620 (8)	54298 (8)
22-8-S	100	90	22.62	22.62	0.00	-51.24	512 (8)	6462 (8)	27802 (8)
22-9-S	100	90	22.62	22.62	97.27	0.00	83 (5)	1041 (5)	4480 (5)
22-10-S	100	90	22.62	22.62	114.44	0.00	320 (5)	17386 (5)	4041 (5)
22-11-S	100	90	22.62	22.62	121.77	0.00	624 (5)	33838 (5)	7865 (5)
22-12-S	100	90	22.62	22.62	129.11	0.00	927 (5)	50289 (5)	11688 (5)
22-13-S	100	90	22.62	22.62	121.98	0.00	1111 (5)	60301 (5)	14015 (5)
22-14-S	100	90	22.62	22.62	128.91	0.00	1289 (8)	69945 (8)	16257 (8)
22-15-S	100	90	22.62	22.62	111.29	0.00	1113 (8)	60383 (8)	14034 (8)
22-16-S	100	90	22.62	22.62	70.78	-1.25	708 (8)	38401 (8)	8926 (8)
22-17-S	100	90	22.62	22.62	41.42	-12.48	518 (8)	28088 (8)	8463 (8)
22-18-S	100	90	22.62	22.62	24.34	-32.15	450 (8)	19812 (8)	24417 (8)
22-19-S	100	90	22.62	22.62	14.78	-29.31	385 (8)	12958 (8)	20870 (8)
22-20-S	100	90	22.62	22.62	7.84	-10.80	131 (8)	7086 (8)	5859 (8)
23-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
23-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	157 (5)	677 (5)
23-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)
23-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2032 (5)
23-5-S	100	90	22.62	22.62	0.00	-206.76	2067 (8)	26073 (8)	112179 (8)
23-6-S	100	90	22.62	22.62	0.00	-149.31	1493 (8)	18829 (8)	81011 (8)
23-7-S	100	90	22.62	22.62	0.00	-91.86	919 (8)	11585 (8)	49843 (8)
23-8-S	100	90	22.62	22.62	0.00	-43.96	440 (8)	5543 (8)	23850 (8)
23-9-S	100	90	22.62	22.62	105.74	0.00	38 (5)	1410 (5)	2071 (5)
23-10-S	100	90	22.62	22.62	121.53	0.00	376 (5)	20401 (5)	4742 (5)
23-11-S	100	90	22.62	22.62	127.68	0.00	671 (5)	36435 (5)	8469 (5)
23-12-S	100	90	22.62	22.62	133.83	0.00	967 (5)	52470 (5)	12195 (5)
23-13-S	100	90	22.62	22.62	125.77	0.00	1145 (5)	62117 (5)	14438 (5)
23-14-S	100	90	22.62	22.62	131.59	0.00	1316 (8)	71399 (8)	16595 (8)
23-15-S	100	90	22.62	22.62	113.37	0.00	1134 (8)	61511 (8)	14297 (8)
23-16-S	100	90	22.62	22.62	71.09	-0.03	711 (8)	38569 (8)	8964 (8)
23-17-S	100	90	22.62	22.62	38.39	-8.45	480 (8)	26037 (8)	7644 (8)
23-18-S	100	90	22.62	22.62	23.24	-30.47	533 (8)	20369 (8)	28936 (8)
23-19-S	100	90	22.62	22.62	13.84	-28.08	491 (8)	13144 (8)	26666 (8)
23-20-S	100	90	22.62	22.62	6.04	-8.92	111 (8)	5461 (8)	6048 (8)
24-1-S	100	90	22.62	22.62	0.00	0.00	0 (5)	0 (5)	0 (5)
24-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	158 (5)	678 (5)
24-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1355 (5)
24-4-S	100	90	22.62	22.62	0.00	-3.75	37 (5)	472 (5)	2033 (5)
24-5-S	100	90	22.62	22.62	0.00	-193.67	1937 (8)	24423 (8)	105080 (8)
24-6-S	100	90	22.62	22.62	0.00	-137.96	1379 (8)	17398 (8)	74853 (8)
24-7-S	100	90	22.62	22.62	0.00	-82.25	822 (8)	10372 (8)	44626 (8)
24-8-S	100	90	22.62	22.62	0.00	-36.38	364 (8)	4588 (8)	19741 (8)
24-9-S	100	90	22.62	22.62	111.95	0.00	62 (5)	3381 (5)	1132 (5)
24-10-S	100	90	22.62	22.62	123.69	0.00	393 (5)	21342 (5)	4960 (5)
24-11-S	100	90	22.62	22.62	124.02	0.00	619 (5)	33582 (5)	7805 (5)
24-12-S	100	90	22.62	22.62	124.35	0.00	844 (5)	45823 (5)	10650 (5)
24-13-S	100	90	22.62	22.62	112.25	0.00	888 (5)	48185 (5)	11199 (5)
24-14-S	100	90	22.62	22.62	99.43	0.00	921 (5)	49982 (5)	11617 (5)
24-15-S	100	90	22.62	22.62	84.77	0.00	848 (8)	45993 (8)	10690 (8)
24-16-S	100	90	22.62	22.62	70.14	0.00	701 (8)	38058 (8)	8846 (8)
24-17-S	100	90	22.62	22.62	53.88	0.00	539 (8)	29233 (8)	6794 (8)
24-18-S	100	90	22.62	22.62	32.50	0.00	325 (8)	17636 (8)	4099 (8)
24-19-S	100	90	22.62	22.62	17.94	0.00	179 (8)	9736 (8)	2263 (8)
24-20-S	100	90	22.62	22.62	7.53	0.00	75 (8)	4086 (8)	950 (8)
25-2-S	100	90	22.62	22.62	0.00	-1.25	12 (5)	158 (5)	678 (5)
25-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	316 (5)	1358 (5)
25-4-S	100	90	22.62	22.62	0.00	-3.76	38 (5)	474 (5)	2038 (5)
25-5-S	100	90	22.62	22.62	0.00	-182.74	1827 (8)	23045 (8)	99150 (8)
25-6-S	100	90	22.62	22.62	0.00	-127.57	1276 (8)	16087 (8)	69215 (8)
25-7-S	100	90	22.62	22.62	0.00	-72.39	724 (8)	9130 (8)	39279 (8)
25-8-S	100	90	22.62	22.62	0.00	-26.42	264 (8)	3331 (8)	14333 (8)
25-9-S	100	90	22.62	22.62	124.53	0.00	149 (5)	8090 (5)	1880 (5)
25-10-S	100	90	22.62	22.62	136.65	0.00	517 (5)	28043 (5)	6518 (5)
25-11-S	100	90	22.62	22.62	139.83	0.00	796 (5)	43184 (5)	10037 (5)
25-12-S	100	90	22.62	22.62	143.02	0.00	1075 (5)	58325 (5)	13556 (5)
25-13-S	100	90	22.62	22.62	133.17	0.00	1242 (5)	67404 (5)	15666 (5)
25-14-S	100	90	22.62	22.62	140.33	0.00	1403 (8)	76136 (8)	17696 (8)
25-15-S	100	90	22.62	22.62	120.31	-0.12	1203 (8)	65277 (8)	15172 (8)
25-16-S	100	90	22.62	22.62	78.54	-3.18	785 (8)	42613 (8)	9904 (8)
25-17-S	100	90	22.62	22.62	46.50	-14.62	581 (8)	31537 (8)	9918 (8)
25-18-S	100	90	22.62	22.62	27.41	-34.60	411 (8)	22311 (8)	21902 (8)
25-19-S	100	90	22.62	22.62	16.98	-31.61	349 (8)	14881 (8)	18955 (8)
25-20-S	100	90	22.62	22.62	9.98	-12.80	166 (8)	9027 (8)	6942 (8)
26-1-S	100	90	22.62	22.62	0.05	-0.01	1 (5)	26 (5)	35 (5)
26-2-S	100	90	22.62	22.62	0.00	-1.23	12 (5)	156 (5)	669 (5)
26-3-S	100	90	22.62	22.62	0.00	-2.50	25 (5)	315 (5)	1357 (5)
26-4-S	100	90	22.62	22.62	0.00	-3.77	38 (5)	475 (5)	2045 (5)
26-5-S	100	90	22.62	22.62	0.00	-178.16	1781 (8)	22467 (8)	96663 (8)
26-6-S	100	90	22.62	22.62	0.00	-121.55	1215 (8)	15329 (8)	65951 (8)
26-7-S	100	90	22.62	22.62	0.00	-64.95	649 (8)	8190 (8)	35238 (8)
26-8-S	100	90	22.62	22.62	116.80	0.00	184 (5)	2324 (5)	10000 (5)
26-9-S	100	90	22.62	22.62	133.33	0.00	226 (5)	12288 (5)	2856 (5)

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Afi [cmq]	Afs [cmq]	Mp [kNm]	Mn [kNm]	σc [kPa]	σfi [kPa]	σfs [kPa]
26-10-S	100	90	22.62	22.62	145.54	0.00	600 (5)	32558 (5)	7567 (5)
26-11-S	100	90	22.62	22.62	147.41	0.00	885 (5)	48043 (5)	11166 (5)
26-12-S	100	90	22.62	22.62	149.29	0.00	1171 (5)	63527 (5)	14765 (5)
26-13-S	100	90	22.62	22.62	136.22	0.00	1321 (5)	71703 (5)	16666 (5)
26-14-S	100	90	22.62	22.62	146.50	0.00	1465 (8)	79488 (8)	18475 (8)
26-15-S	100	90	22.62	22.62	125.41	-0.04	1254 (8)	68044 (8)	15815 (8)
26-16-S	100	90	22.62	22.62	80.72	-0.67	807 (8)	43797 (8)	10179 (8)
26-17-S	100	90	22.62	22.62	44.23	-8.24	546 (8)	29645 (8)	6890 (8)
26-18-S	100	90	22.62	22.62	24.93	-27.02	415 (8)	22545 (8)	14661 (8)
26-19-S	100	90	22.62	22.62	12.86	-24.92	249 (8)	11273 (8)	13522 (8)
26-20-S	100	90	22.62	22.62	7.23	-7.12	121 (8)	6541 (8)	4828 (8)

Pali in c.a.

Ip	Is	Ar [cmq]	σc [kPa]	σf [kPa]	τc [kPa]	σstf [kPa]
1	1	129.25	4715	56715		
1	2	129.25	3916	47981		
1	3	129.25	3202	40085		
1	4	129.25	2586	33162		
1	5	129.25	2088	27448		
1	6	129.25	1712	23037		
1	7	129.25	1401	19364		
1	8	129.25	1131	16175		
1	9	129.25	899	13435		
1	10	129.25	1074	15514		
1	11	129.25	1244	17540		
1	12	129.25	1385	19216		
1	13	129.25	1499	20576		
1	14	129.25	1589	21651		
1	15	129.25	1658	22472		
1	16	129.25	1707	23066		
1	17	129.25	1740	23462		
1	18	129.25	1758	23685		
1	19	129.25	1763	23759		
1	20	129.25	1758	23705		
1	21	129.25	1744	23545		
1	22	129.25	1722	23296		
1	23	129.25	1694	22976		
1	24	129.25	1662	22599		
1	25	129.25	1625	22179		
1	26	129.25	1587	21729		
1	27	129.25	1546	21258		
1	28	129.25	1505	20776		
1	29	129.25	1463	20292		
1	30	129.25	1422	19811		
1	31	129.25	1381	19341		
1	32	129.25	1342	18884		
1	33	129.25	1304	18446		
1	34	129.25	1268	18030		
1	35	129.25	1234	17637		
1	36	129.25	1202	17270		
1	37	129.25	1173	16929		
1	38	129.25	1146	16616		
1	39	129.25	1121	16330		
1	40	129.25	1098	16071		
1	41	129.25	1078	15840		
1	42	129.25	1060	15635		
1	43	129.25	1044	15454		
1	44	129.25	1030	15299		
1	45	129.25	1018	15166		
1	46	129.25	1008	15054		
1	47	129.25	999	14963		
1	48	129.25	995	14923		
1	49	129.25	1006	15062		
1	50	129.25	1016	15185		
1	51	129.25	1024	15293		
1	52	129.25	1031	15388		
1	53	129.25	1038	15472		
1	54	129.25	1043	15544		
1	55	129.25	1048	15608		
1	56	129.25	1052	15663		
1	57	129.25	1055	15711		
1	58	129.25	1058	15753		
1	59	129.25	1060	15790		
1	60	129.25	1062	15823		
1	61	129.25	1064	15852		
1	62	129.25	1065	15878		
1	63	129.25	1067	15901		
1	64	129.25	1068	15923		

RELAZIONE DI CALCOLO

Ip	Is	Ar [cmq]	σ_c [kPa]	σ_f [kPa]	τ_c [kPa]	σ_{stf} [kPa]
1	65	129.25	1069	15944		
1	66	129.25	1070	15964		
1	67	129.25	1071	15984		
1	68	129.25	1072	16004		
1	69	129.25	1072	16024		
1	70	129.25	1073	16044		
1	71	129.25	1074	16065		
1	72	129.25	1076	16087		
1	73	129.25	1077	16110		
1	74	129.25	1078	16134		
1	75	129.25	1079	16160		
1	76	129.25	1081	16186		
1	77	129.25	1082	16213		
1	78	129.25	1084	16242		
1	79	129.25	1086	16272		
1	80	129.25	1088	16303		
1	81	129.25	1090	16336		
1	82	129.25	1092	16369		
1	83	129.25	1094	16404		
1	84	129.25	1096	16439		
1	85	129.25	1099	16476		
1	86	129.25	1101	16513		
1	87	129.25	1104	16551		
1	88	129.25	1106	16590		
1	89	129.25	1109	16629		
1	90	129.25	1111	16670		
1	91	129.25	1114	16712		
1	92	129.25	1117	16754		
1	93	129.25	1120	16797		
1	94	129.25	1123	16839		
1	95	129.25	1125	16881		
1	96	129.25	1128	16922		
1	97	129.25	1131	16964		
1	98	129.25	1134	17005		
1	99	129.25	1136	17047		
1	100	129.25	1139	17089		
1	101	129.25	1142	17131		
2	1	129.25	4847	60570		
2	2	129.25	4081	51988		
2	3	129.25	3431	44579		
2	4	129.25	2906	38495		
2	5	129.25	2494	33629		
2	6	129.25	2138	29426		
2	7	129.25	1826	25738		
2	8	129.25	1555	22534		
2	9	129.25	1322	19779		
2	10	129.25	1495	21843		
2	11	129.25	1665	23854		
2	12	129.25	1805	25515		
2	13	129.25	1918	26861		
2	14	129.25	2007	27921		
2	15	129.25	2075	28726		
2	16	129.25	2123	29306		
2	17	129.25	2155	29687		
2	18	129.25	2172	29895		
2	19	129.25	2176	29954		
2	20	129.25	2170	29886		
2	21	129.25	2155	29710		
2	22	129.25	2132	29446		
2	23	129.25	2103	29111		
2	24	129.25	2070	28719		
2	25	129.25	2032	28285		
2	26	129.25	1993	27819		
2	27	129.25	1951	27334		
2	28	129.25	1909	26837		
2	29	129.25	1866	26338		
2	30	129.25	1824	25842		
2	31	129.25	1782	25357		
2	32	129.25	1742	24885		
2	33	129.25	1703	24432		
2	34	129.25	1666	24001		
2	35	129.25	1631	23593		
2	36	129.25	1598	23211		
2	37	129.25	1568	22856		
2	38	129.25	1540	22527		
2	39	129.25	1514	22227		
2	40	129.25	1490	21953		
2	41	129.25	1469	21707		
2	42	129.25	1450	21487		
2	43	129.25	1433	21292		
2	44	129.25	1418	21121		
2	45	129.25	1405	20973		

RELAZIONE DI CALCOLO

Ip	Is	Ar [cmq]	σ_c [kPa]	σ_f [kPa]	τ_c [kPa]	σ_{stf} [kPa]
2	46	129.25	1394	20847		
2	47	129.25	1384	20741		
2	48	129.25	1379	20686		
2	49	129.25	1389	20810		
2	50	129.25	1398	20918		
2	51	129.25	1405	21011		
2	52	129.25	1412	21091		
2	53	129.25	1417	21160		
2	54	129.25	1421	21218		
2	55	129.25	1425	21266		
2	56	129.25	1428	21307		
2	57	129.25	1430	21340		
2	58	129.25	1432	21367		
2	59	129.25	1433	21389		
2	60	129.25	1434	21406		
2	61	129.25	1435	21420		
2	62	129.25	1436	21431		
2	63	129.25	1436	21440		
2	64	129.25	1436	21447		
2	65	129.25	1436	21453		
2	66	129.25	1436	21459		
2	67	129.25	1436	21463		
2	68	129.25	1436	21468		
2	69	129.25	1436	21473		
2	70	129.25	1436	21479		
2	71	129.25	1436	21485		
2	72	129.25	1436	21492		
2	73	129.25	1436	21500		
2	74	129.25	1436	21509		
2	75	129.25	1437	21520		
2	76	129.25	1437	21531		
2	77	129.25	1438	21544		
2	78	129.25	1439	21558		
2	79	129.25	1439	21573		
2	80	129.25	1440	21589		
2	81	129.25	1441	21606		
2	82	129.25	1442	21625		
2	83	129.25	1443	21644		
2	84	129.25	1445	21665		
2	85	129.25	1446	21687		
2	86	129.25	1447	21709		
2	87	129.25	1449	21732		
2	88	129.25	1450	21756		
2	89	129.25	1452	21781		
2	90	129.25	1454	21806		
2	91	129.25	1456	21833		
2	92	129.25	1457	21861		
2	93	129.25	1459	21889		
2	94	129.25	1461	21916		
2	95	129.25	1463	21943		
2	96	129.25	1465	21969		
2	97	129.25	1466	21996		
2	98	129.25	1468	22023		
2	99	129.25	1470	22049		
2	100	129.25	1472	22076		
2	101	129.25	1474	22103		

Verifica a fessurazione

Simbologia adottata

- n° indice sezione
- Y ordinata sezione espressa in [m]
- B larghezza sezione espresso in [cm]
- H altezza sezione espressa in [cm]
- Af area ferri zona tesa espresso in [cmq]
- Aeff area efficace espressa in [cmq]
- M momento agente espressa in [kNm]
- Mpf momento di formazione/apertura fessure espressa in [kNm]
- ε deformazione espresso in %
- Sm spaziatura tra le fessure espressa in [mm]
- w apertura delle fessure espressa in [mm]

10.2.8 Combinazioni SLER

Paramento

Apertura limite fessure $w_{lim}=0.20$

n°	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
1	100	30	18.10	1079.68	-0.45	-64.49	0.000000	0.00	0.000 (5)
2	100	31	18.10	1121.62	-0.40	-69.33	0.000000	0.00	0.000 (5)
3	100	32	18.10	1163.67	-0.29	-74.33	0.000000	0.00	0.000 (5)
4	100	33	18.10	1205.82	-0.11	-79.48	0.000000	0.00	0.000 (5)
5	100	34	22.62	1205.06	0.15	86.43	0.000000	0.00	0.000 (5)
6	100	35	22.62	1245.68	0.49	91.99	0.000000	0.00	0.000 (5)
7	100	36	22.62	1286.43	0.91	97.69	0.000000	0.00	0.000 (5)
8	100	37	22.62	1327.30	1.42	103.54	0.000000	0.00	0.000 (5)
9	100	38	22.62	1368.28	2.03	109.54	0.000000	0.00	0.000 (5)
10	100	39	22.62	1409.36	2.73	115.69	0.000000	0.00	0.000 (5)
11	100	40	22.62	1450.56	3.54	121.98	0.000000	0.00	0.000 (5)
12	100	41	22.62	1491.85	4.46	128.43	0.000000	0.00	0.000 (5)
13	100	42	22.62	1533.25	5.49	135.01	0.000000	0.00	0.000 (5)
14	100	44	22.62	1574.74	6.64	141.75	0.000000	0.00	0.000 (5)
15	100	45	22.62	1616.31	7.91	148.63	0.000000	0.00	0.000 (5)
16	100	46	22.62	1657.97	9.31	155.66	0.000000	0.00	0.000 (5)
17	100	47	22.62	1699.72	10.84	162.83	0.000000	0.00	0.000 (5)
18	100	48	22.62	1741.55	12.51	170.15	0.000000	0.00	0.000 (5)
19	100	49	22.62	1783.45	14.32	177.61	0.000000	0.00	0.000 (5)
20	100	50	22.62	1825.44	16.28	185.22	0.000000	0.00	0.000 (5)
21	100	51	22.62	1867.49	18.39	192.97	0.000000	0.00	0.000 (5)
22	100	52	22.62	1909.62	20.65	200.86	0.000000	0.00	0.000 (5)
23	100	53	22.62	1951.82	23.08	208.91	0.000000	0.00	0.000 (5)
24	100	54	22.62	1994.08	25.67	217.09	0.000000	0.00	0.000 (5)
25	100	55	22.62	2036.40	28.43	225.42	0.000000	0.00	0.000 (5)
26	100	56	22.62	2078.79	31.37	233.89	0.000000	0.00	0.000 (5)
27	100	57	22.62	2121.25	34.48	242.51	0.000000	0.00	0.000 (5)
28	100	58	22.62	2163.76	37.78	251.27	0.000000	0.00	0.000 (5)
29	100	59	45.24	1965.93	41.27	290.77	0.000000	0.00	0.000 (5)
30	100	60	45.24	2004.77	44.96	300.67	0.000000	0.00	0.000 (5)
31	100	61	45.24	2043.69	48.84	310.72	0.000000	0.00	0.000 (5)
32	100	62	45.24	2082.70	52.93	320.91	0.000000	0.00	0.000 (5)
33	100	63	45.24	2121.79	57.23	331.26	0.000000	0.00	0.000 (5)
34	100	64	45.24	2160.95	61.74	341.75	0.000000	0.00	0.000 (5)
35	100	65	45.24	2133.71	66.46	338.60	0.000000	0.00	0.000 (5)
36	100	66	45.24	2172.43	71.41	349.01	0.000000	0.00	0.000 (5)
37	100	67	45.24	2211.24	76.59	359.57	0.000000	0.00	0.000 (5)
38	100	68	45.24	2250.12	82.00	370.27	0.000000	0.00	0.000 (5)
39	100	69	45.24	2289.09	87.65	381.13	0.000000	0.00	0.000 (5)
40	100	71	45.24	2328.13	93.54	392.11	0.000000	0.00	0.000 (5)
41	100	72	45.24	2367.24	99.67	403.26	0.000000	0.00	0.000 (5)
42	100	73	45.24	2406.43	106.06	414.53	0.000000	0.00	0.000 (5)
43	100	74	45.24	2445.69	112.70	425.97	0.000000	0.00	0.000 (5)
44	100	75	45.24	2480.92	119.61	436.37	0.000000	0.00	0.000 (5)

Piastra fondazione

Apertura limite fessure $w_{lim}=0.20$

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
1-1-P	55	90	18.10	1386.00	-0.23	-340.21	0.000000	0.00	0.000
1-2-P	55	90	18.10	1386.00	-0.24	-340.21	0.000000	0.00	0.000
1-3-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-4-P	55	90	18.10	1386.00	-0.27	-340.21	0.000000	0.00	0.000
1-5-P	55	90	18.10	1386.00	-0.30	-340.21	0.000000	0.00	0.000
1-6-P	55	90	18.10	1386.00	-0.30	-340.21	0.000000	0.00	0.000
1-7-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-8-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-9-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-10-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-11-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-12-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-13-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-14-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-15-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-16-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-17-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-18-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-19-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-20-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-21-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-22-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-23-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
1-24-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-25-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-26-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-27-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-28-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-29-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-30-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-31-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-32-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-33-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-34-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-35-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-36-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-37-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-38-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-39-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-40-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-41-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-42-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-43-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-44-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-45-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-46-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-47-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-48-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-49-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-50-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-51-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-52-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-53-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-54-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-55-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-56-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-57-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-58-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-59-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-60-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-61-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-62-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-63-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-64-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-65-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-66-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-67-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-68-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-69-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-70-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-71-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-72-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-73-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-74-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-75-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-76-P	55	90	18.10	1386.00	-0.30	-340.21	0.000000	0.00	0.000
1-77-P	55	90	18.10	1386.00	-0.30	-340.21	0.000000	0.00	0.000
1-78-P	55	90	18.10	1386.00	-0.27	-340.21	0.000000	0.00	0.000
1-79-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-80-P	55	90	18.10	1386.00	-0.24	-340.21	0.000000	0.00	0.000
1-81-P	55	90	18.10	1386.00	-0.23	-340.21	0.000000	0.00	0.000
3-1-P	93	90	22.62	2331.00	4.72	544.50	0.000000	0.00	0.000
3-2-P	93	90	22.62	2331.00	7.36	544.50	0.000000	0.00	0.000
3-3-P	93	90	22.62	2331.00	10.00	544.50	0.000000	0.00	0.000
3-4-P	93	90	22.62	2331.00	13.23	544.50	0.000000	0.00	0.000
3-5-P	93	90	22.62	2331.00	16.46	544.50	0.000000	0.00	0.000
3-6-P	93	90	22.62	2331.00	17.73	544.50	0.000000	0.00	0.000
3-7-P	93	90	22.62	2331.00	19.00	544.50	0.000000	0.00	0.000
3-8-P	93	90	22.62	2331.00	19.55	544.50	0.000000	0.00	0.000
3-9-P	93	90	22.62	2331.00	19.61	544.50	0.000000	0.00	0.000
3-10-P	93	90	22.62	2331.00	19.52	544.50	0.000000	0.00	0.000
3-11-P	93	90	22.62	2331.00	18.86	544.50	0.000000	0.00	0.000
3-12-P	93	90	22.62	2331.00	18.22	-544.50	0.000000	0.00	0.000
3-13-P	93	90	22.62	2331.00	17.38	-544.50	0.000000	0.00	0.000
3-14-P	93	90	22.62	2331.00	16.49	-544.50	0.000000	0.00	0.000
3-15-P	93	90	22.62	2331.00	15.59	-544.50	0.000000	0.00	0.000
3-16-P	93	90	22.62	2331.00	14.76	-544.50	0.000000	0.00	0.000
3-17-P	93	90	22.62	2331.00	13.93	-544.50	0.000000	0.00	0.000
3-18-P	93	90	22.62	2331.00	13.34	-544.50	0.000000	0.00	0.000
3-19-P	93	90	22.62	2331.00	12.73	-544.50	0.000000	0.00	0.000
3-20-P	93	90	22.62	2331.00	12.25	-544.50	0.000000	0.00	0.000
3-21-P	93	90	22.62	2331.00	11.80	-544.50	0.000000	0.00	0.000
3-22-P	93	90	22.62	2331.00	11.39	-544.50	0.000000	0.00	0.000
3-23-P	93	90	22.62	2331.00	10.95	-544.50	0.000000	0.00	0.000
3-24-P	93	90	22.62	2331.00	10.54	-544.50	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
3-25-P	93	90	22.62	2331.00	10.11	-544.50	0.000000	0.00	0.000
3-26-P	93	90	22.62	2331.00	9.66	-544.50	0.000000	0.00	0.000
3-27-P	93	90	22.62	2331.00	9.27	-544.50	0.000000	0.00	0.000
3-28-P	93	90	22.62	2331.00	8.96	-544.50	0.000000	0.00	0.000
3-29-P	93	90	22.62	2331.00	8.66	-544.50	0.000000	0.00	0.000
3-30-P	93	90	22.62	2331.00	8.55	-544.50	0.000000	0.00	0.000
3-31-P	93	90	22.62	2331.00	8.44	-544.50	0.000000	0.00	0.000
3-32-P	93	90	22.62	2331.00	8.38	-544.50	0.000000	0.00	0.000
3-33-P	93	90	22.62	2331.00	8.35	-544.50	0.000000	0.00	0.000
3-34-P	93	90	22.62	2331.00	8.30	-544.50	0.000000	0.00	0.000
3-35-P	93	90	22.62	2331.00	8.22	-544.50	0.000000	0.00	0.000
3-36-P	93	90	22.62	2331.00	8.13	-544.50	0.000000	0.00	0.000
3-37-P	93	90	22.62	2331.00	7.99	-544.50	0.000000	0.00	0.000
3-38-P	93	90	22.62	2331.00	7.83	-544.50	0.000000	0.00	0.000
3-39-P	93	90	22.62	2331.00	7.71	-544.50	0.000000	0.00	0.000
3-40-P	93	90	22.62	2331.00	7.63	-544.50	0.000000	0.00	0.000
3-41-P	93	90	22.62	2331.00	7.55	-544.50	0.000000	0.00	0.000
3-42-P	93	90	22.62	2331.00	7.63	-544.50	0.000000	0.00	0.000
3-43-P	93	90	22.62	2331.00	7.71	-544.50	0.000000	0.00	0.000
3-44-P	93	90	22.62	2331.00	7.83	-544.50	0.000000	0.00	0.000
3-45-P	93	90	22.62	2331.00	7.99	-544.50	0.000000	0.00	0.000
3-46-P	93	90	22.62	2331.00	8.13	-544.50	0.000000	0.00	0.000
3-47-P	93	90	22.62	2331.00	8.22	-544.50	0.000000	0.00	0.000
3-48-P	93	90	22.62	2331.00	8.30	-544.50	0.000000	0.00	0.000
3-49-P	93	90	22.62	2331.00	8.35	-544.50	0.000000	0.00	0.000
3-50-P	93	90	22.62	2331.00	8.38	-544.50	0.000000	0.00	0.000
3-51-P	93	90	22.62	2331.00	8.44	-544.50	0.000000	0.00	0.000
3-52-P	93	90	22.62	2331.00	8.55	-544.50	0.000000	0.00	0.000
3-53-P	93	90	22.62	2331.00	8.66	-544.50	0.000000	0.00	0.000
3-54-P	93	90	22.62	2331.00	8.96	-544.50	0.000000	0.00	0.000
3-55-P	93	90	22.62	2331.00	9.27	-544.50	0.000000	0.00	0.000
3-56-P	93	90	22.62	2331.00	9.66	-544.50	0.000000	0.00	0.000
3-57-P	93	90	22.62	2331.00	10.11	-544.50	0.000000	0.00	0.000
3-58-P	93	90	22.62	2331.00	10.54	-544.50	0.000000	0.00	0.000
3-59-P	93	90	22.62	2331.00	10.95	-544.50	0.000000	0.00	0.000
3-60-P	93	90	22.62	2331.00	11.39	-544.50	0.000000	0.00	0.000
3-61-P	93	90	22.62	2331.00	11.80	-544.50	0.000000	0.00	0.000
3-62-P	93	90	22.62	2331.00	12.25	-544.50	0.000000	0.00	0.000
3-63-P	93	90	22.62	2331.00	12.73	-544.50	0.000000	0.00	0.000
3-64-P	93	90	22.62	2331.00	13.34	-544.50	0.000000	0.00	0.000
3-65-P	93	90	22.62	2331.00	13.93	-544.50	0.000000	0.00	0.000
3-66-P	93	90	22.62	2331.00	14.76	-544.50	0.000000	0.00	0.000
3-67-P	93	90	22.62	2331.00	15.59	-544.50	0.000000	0.00	0.000
3-68-P	93	90	22.62	2331.00	16.49	-544.50	0.000000	0.00	0.000
3-69-P	93	90	22.62	2331.00	17.38	-544.50	0.000000	0.00	0.000
3-70-P	93	90	22.62	2331.00	18.22	-544.50	0.000000	0.00	0.000
3-71-P	93	90	22.62	2331.00	18.86	544.50	0.000000	0.00	0.000
3-72-P	93	90	22.62	2331.00	19.52	544.50	0.000000	0.00	0.000
3-73-P	93	90	22.62	2331.00	19.61	544.50	0.000000	0.00	0.000
3-74-P	93	90	22.62	2331.00	19.55	544.50	0.000000	0.00	0.000
3-75-P	93	90	22.62	2331.00	19.00	544.50	0.000000	0.00	0.000
3-76-P	93	90	22.62	2331.00	17.73	544.50	0.000000	0.00	0.000
3-77-P	93	90	22.62	2331.00	16.46	544.50	0.000000	0.00	0.000
3-78-P	93	90	22.62	2331.00	13.23	544.50	0.000000	0.00	0.000
3-79-P	93	90	22.62	2331.00	10.00	544.50	0.000000	0.00	0.000
3-80-P	93	90	22.62	2331.00	7.36	544.50	0.000000	0.00	0.000
3-81-P	93	90	22.62	2331.00	4.72	544.50	0.000000	0.00	0.000
4-1-P	92	90	22.62	2331.00	-1.46	-544.50	0.000000	0.00	0.000
4-2-P	92	90	22.62	2331.00	3.83	-544.50	0.000000	0.00	0.000
4-3-P	92	90	22.62	2331.00	7.42	544.50	0.000000	0.00	0.000
4-4-P	92	90	22.62	2331.00	13.21	544.50	0.000000	0.00	0.000
4-5-P	92	90	22.62	2331.00	18.99	544.50	0.000000	0.00	0.000
4-6-P	92	90	22.62	2331.00	23.54	544.50	0.000000	0.00	0.000
4-7-P	92	90	22.62	2331.00	28.09	544.50	0.000000	0.00	0.000
4-8-P	92	90	22.62	2331.00	31.96	544.50	0.000000	0.00	0.000
4-9-P	92	90	22.62	2331.00	35.38	544.50	0.000000	0.00	0.000
4-10-P	92	90	22.62	2331.00	38.24	544.50	0.000000	0.00	0.000
4-11-P	92	90	22.62	2331.00	38.90	544.50	0.000000	0.00	0.000
4-12-P	92	90	22.62	2331.00	39.55	544.50	0.000000	0.00	0.000
4-13-P	92	90	22.62	2331.00	38.46	544.50	0.000000	0.00	0.000
4-14-P	92	90	22.62	2331.00	36.93	544.50	0.000000	0.00	0.000
4-15-P	92	90	22.62	2331.00	35.69	544.50	0.000000	0.00	0.000
4-16-P	92	90	22.62	2331.00	34.89	544.50	0.000000	0.00	0.000
4-17-P	92	90	22.62	2331.00	34.09	544.50	0.000000	0.00	0.000
4-18-P	92	90	22.62	2331.00	33.97	544.50	0.000000	0.00	0.000
4-19-P	92	90	22.62	2331.00	33.84	544.50	0.000000	0.00	0.000
4-20-P	92	90	22.62	2331.00	34.34	544.50	0.000000	0.00	0.000
4-21-P	92	90	22.62	2331.00	35.27	544.50	0.000000	0.00	0.000
4-22-P	92	90	22.62	2331.00	35.90	544.50	0.000000	0.00	0.000
4-23-P	92	90	22.62	2331.00	35.39	544.50	0.000000	0.00	0.000
4-24-P	92	90	22.62	2331.00	34.88	544.50	0.000000	0.00	0.000
4-25-P	92	90	22.62	2331.00	33.24	544.50	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
4-26-P	92	90	22.62	2331.00	31.31	544.50	0.000000	0.00	0.000
4-27-P	92	90	22.62	2331.00	29.85	544.50	0.000000	0.00	0.000
4-28-P	92	90	22.62	2331.00	29.07	544.50	0.000000	0.00	0.000
4-29-P	92	90	22.62	2331.00	28.30	544.50	0.000000	0.00	0.000
4-30-P	92	90	22.62	2331.00	28.40	544.50	0.000000	0.00	0.000
4-31-P	92	90	22.62	2331.00	28.50	544.50	0.000000	0.00	0.000
4-32-P	92	90	22.62	2331.00	29.29	544.50	0.000000	0.00	0.000
4-33-P	92	90	22.62	2331.00	30.54	544.50	0.000000	0.00	0.000
4-34-P	92	90	22.62	2331.00	31.51	544.50	0.000000	0.00	0.000
4-35-P	92	90	22.62	2331.00	31.35	544.50	0.000000	0.00	0.000
4-36-P	92	90	22.62	2331.00	31.20	544.50	0.000000	0.00	0.000
4-37-P	92	90	22.62	2331.00	29.91	544.50	0.000000	0.00	0.000
4-38-P	92	90	22.62	2331.00	28.35	544.50	0.000000	0.00	0.000
4-39-P	92	90	22.62	2331.00	27.23	544.50	0.000000	0.00	0.000
4-40-P	92	90	22.62	2331.00	26.80	544.50	0.000000	0.00	0.000
4-41-P	92	90	22.62	2331.00	26.37	544.50	0.000000	0.00	0.000
4-42-P	92	90	22.62	2331.00	26.80	544.50	0.000000	0.00	0.000
4-43-P	92	90	22.62	2331.00	27.23	544.50	0.000000	0.00	0.000
4-44-P	92	90	22.62	2331.00	28.35	544.50	0.000000	0.00	0.000
4-45-P	92	90	22.62	2331.00	29.91	544.50	0.000000	0.00	0.000
4-46-P	92	90	22.62	2331.00	31.20	544.50	0.000000	0.00	0.000
4-47-P	92	90	22.62	2331.00	31.35	544.50	0.000000	0.00	0.000
4-48-P	92	90	22.62	2331.00	31.51	544.50	0.000000	0.00	0.000
4-49-P	92	90	22.62	2331.00	30.54	544.50	0.000000	0.00	0.000
4-50-P	92	90	22.62	2331.00	29.29	544.50	0.000000	0.00	0.000
4-51-P	92	90	22.62	2331.00	28.50	544.50	0.000000	0.00	0.000
4-52-P	92	90	22.62	2331.00	28.40	544.50	0.000000	0.00	0.000
4-53-P	92	90	22.62	2331.00	28.30	544.50	0.000000	0.00	0.000
4-54-P	92	90	22.62	2331.00	29.07	544.50	0.000000	0.00	0.000
4-55-P	92	90	22.62	2331.00	29.85	544.50	0.000000	0.00	0.000
4-56-P	92	90	22.62	2331.00	31.31	544.50	0.000000	0.00	0.000
4-57-P	92	90	22.62	2331.00	33.24	544.50	0.000000	0.00	0.000
4-58-P	92	90	22.62	2331.00	34.88	544.50	0.000000	0.00	0.000
4-59-P	92	90	22.62	2331.00	35.39	544.50	0.000000	0.00	0.000
4-60-P	92	90	22.62	2331.00	35.90	544.50	0.000000	0.00	0.000
4-61-P	92	90	22.62	2331.00	35.27	544.50	0.000000	0.00	0.000
4-62-P	92	90	22.62	2331.00	34.34	544.50	0.000000	0.00	0.000
4-63-P	92	90	22.62	2331.00	33.84	544.50	0.000000	0.00	0.000
4-64-P	92	90	22.62	2331.00	33.97	544.50	0.000000	0.00	0.000
4-65-P	92	90	22.62	2331.00	34.09	544.50	0.000000	0.00	0.000
4-66-P	92	90	22.62	2331.00	34.89	544.50	0.000000	0.00	0.000
4-67-P	92	90	22.62	2331.00	35.69	544.50	0.000000	0.00	0.000
4-68-P	92	90	22.62	2331.00	36.93	544.50	0.000000	0.00	0.000
4-69-P	92	90	22.62	2331.00	38.46	544.50	0.000000	0.00	0.000
4-70-P	92	90	22.62	2331.00	39.55	544.50	0.000000	0.00	0.000
4-71-P	92	90	22.62	2331.00	38.90	544.50	0.000000	0.00	0.000
4-72-P	92	90	22.62	2331.00	38.24	544.50	0.000000	0.00	0.000
4-73-P	92	90	22.62	2331.00	35.38	544.50	0.000000	0.00	0.000
4-74-P	92	90	22.62	2331.00	31.96	544.50	0.000000	0.00	0.000
4-75-P	92	90	22.62	2331.00	28.09	544.50	0.000000	0.00	0.000
4-76-P	92	90	22.62	2331.00	23.54	544.50	0.000000	0.00	0.000
4-77-P	92	90	22.62	2331.00	18.99	544.50	0.000000	0.00	0.000
4-78-P	92	90	22.62	2331.00	13.21	544.50	0.000000	0.00	0.000
4-79-P	92	90	22.62	2331.00	7.42	544.50	0.000000	0.00	0.000
4-80-P	92	90	22.62	2331.00	3.83	-544.50	0.000000	0.00	0.000
4-81-P	92	90	22.62	2331.00	-1.46	-544.50	0.000000	0.00	0.000
5-1-P	92	90	22.62	2331.00	3.16	-544.50	0.000000	0.00	0.000
5-2-P	92	90	22.62	2331.00	-4.27	-544.50	0.000000	0.00	0.000
5-3-P	92	90	22.62	2331.00	-11.86	-544.50	0.000000	0.00	0.000
5-4-P	92	90	22.62	2331.00	-19.61	-544.50	0.000000	0.00	0.000
5-5-P	92	90	22.62	2331.00	-32.55	-544.50	0.000000	0.00	0.000
5-6-P	92	90	22.62	2331.00	-16.90	-544.50	0.000000	0.00	0.000
5-7-P	92	90	22.62	2331.00	16.69	-544.50	0.000000	0.00	0.000
5-8-P	92	90	22.62	2331.00	26.00	544.50	0.000000	0.00	0.000
5-9-P	92	90	22.62	2331.00	39.87	544.50	0.000000	0.00	0.000
5-10-P	92	90	22.62	2331.00	51.22	544.50	0.000000	0.00	0.000
5-11-P	92	90	22.62	2331.00	52.48	544.50	0.000000	0.00	0.000
5-12-P	92	90	22.62	2331.00	53.75	544.50	0.000000	0.00	0.000
5-13-P	92	90	22.62	2331.00	45.44	544.50	0.000000	0.00	0.000
5-14-P	92	90	22.62	2331.00	34.73	544.50	0.000000	0.00	0.000
5-15-P	92	90	22.62	2331.00	23.23	544.50	0.000000	0.00	0.000
5-16-P	92	90	22.62	2331.00	17.74	-544.50	0.000000	0.00	0.000
5-17-P	92	90	22.62	2331.00	-22.68	-544.50	0.000000	0.00	0.000
5-18-P	92	90	22.62	2331.00	18.60	-544.50	0.000000	0.00	0.000
5-19-P	92	90	22.62	2331.00	23.38	-544.50	0.000000	0.00	0.000
5-20-P	92	90	22.62	2331.00	33.83	544.50	0.000000	0.00	0.000
5-21-P	92	90	22.62	2331.00	44.53	544.50	0.000000	0.00	0.000
5-22-P	92	90	22.62	2331.00	53.00	544.50	0.000000	0.00	0.000
5-23-P	92	90	22.62	2331.00	52.50	544.50	0.000000	0.00	0.000
5-24-P	92	90	22.62	2331.00	51.99	544.50	0.000000	0.00	0.000
5-25-P	92	90	22.62	2331.00	42.56	544.50	0.000000	0.00	0.000
5-26-P	92	90	22.62	2331.00	30.91	544.50	0.000000	0.00	0.000

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Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
5-27-P	92	90	22.62	2331.00	18.70	-544.50	0.000000	0.00	0.000
5-28-P	92	90	22.62	2331.00	14.47	-544.50	0.000000	0.00	0.000
5-29-P	92	90	22.62	2331.00	-24.53	-544.50	0.000000	0.00	0.000
5-30-P	92	90	22.62	2331.00	14.43	-544.50	0.000000	0.00	0.000
5-31-P	92	90	22.62	2331.00	17.86	-544.50	0.000000	0.00	0.000
5-32-P	92	90	22.62	2331.00	28.56	544.50	0.000000	0.00	0.000
5-33-P	92	90	22.62	2331.00	39.46	544.50	0.000000	0.00	0.000
5-34-P	92	90	22.62	2331.00	48.14	544.50	0.000000	0.00	0.000
5-35-P	92	90	22.62	2331.00	47.94	544.50	0.000000	0.00	0.000
5-36-P	92	90	22.62	2331.00	47.74	544.50	0.000000	0.00	0.000
5-37-P	92	90	22.62	2331.00	38.67	544.50	0.000000	0.00	0.000
5-38-P	92	90	22.62	2331.00	27.38	544.50	0.000000	0.00	0.000
5-39-P	92	90	22.62	2331.00	16.06	-544.50	0.000000	0.00	0.000
5-40-P	92	90	22.62	2331.00	12.99	-544.50	0.000000	0.00	0.000
5-41-P	92	90	22.62	2331.00	-25.58	-544.50	0.000000	0.00	0.000
5-42-P	92	90	22.62	2331.00	12.99	-544.50	0.000000	0.00	0.000
5-43-P	92	90	22.62	2331.00	16.06	-544.50	0.000000	0.00	0.000
5-44-P	92	90	22.62	2331.00	27.38	544.50	0.000000	0.00	0.000
5-45-P	92	90	22.62	2331.00	38.67	544.50	0.000000	0.00	0.000
5-46-P	92	90	22.62	2331.00	47.74	544.50	0.000000	0.00	0.000
5-47-P	92	90	22.62	2331.00	47.94	544.50	0.000000	0.00	0.000
5-48-P	92	90	22.62	2331.00	48.14	544.50	0.000000	0.00	0.000
5-49-P	92	90	22.62	2331.00	39.46	544.50	0.000000	0.00	0.000
5-50-P	92	90	22.62	2331.00	28.56	544.50	0.000000	0.00	0.000
5-51-P	92	90	22.62	2331.00	17.86	-544.50	0.000000	0.00	0.000
5-52-P	92	90	22.62	2331.00	14.43	-544.50	0.000000	0.00	0.000
5-53-P	92	90	22.62	2331.00	-24.53	-544.50	0.000000	0.00	0.000
5-54-P	92	90	22.62	2331.00	14.47	-544.50	0.000000	0.00	0.000
5-55-P	92	90	22.62	2331.00	18.70	-544.50	0.000000	0.00	0.000
5-56-P	92	90	22.62	2331.00	30.91	544.50	0.000000	0.00	0.000
5-57-P	92	90	22.62	2331.00	42.56	544.50	0.000000	0.00	0.000
5-58-P	92	90	22.62	2331.00	51.99	544.50	0.000000	0.00	0.000
5-59-P	92	90	22.62	2331.00	52.50	544.50	0.000000	0.00	0.000
5-60-P	92	90	22.62	2331.00	53.00	544.50	0.000000	0.00	0.000
5-61-P	92	90	22.62	2331.00	44.53	544.50	0.000000	0.00	0.000
5-62-P	92	90	22.62	2331.00	33.83	544.50	0.000000	0.00	0.000
5-63-P	92	90	22.62	2331.00	23.38	-544.50	0.000000	0.00	0.000
5-64-P	92	90	22.62	2331.00	18.60	-544.50	0.000000	0.00	0.000
5-65-P	92	90	22.62	2331.00	-22.68	-544.50	0.000000	0.00	0.000
5-66-P	92	90	22.62	2331.00	17.74	-544.50	0.000000	0.00	0.000
5-67-P	92	90	22.62	2331.00	23.23	544.50	0.000000	0.00	0.000
5-68-P	92	90	22.62	2331.00	34.73	544.50	0.000000	0.00	0.000
5-69-P	92	90	22.62	2331.00	45.44	544.50	0.000000	0.00	0.000
5-70-P	92	90	22.62	2331.00	53.75	544.50	0.000000	0.00	0.000
5-71-P	92	90	22.62	2331.00	52.48	544.50	0.000000	0.00	0.000
5-72-P	92	90	22.62	2331.00	51.22	544.50	0.000000	0.00	0.000
5-73-P	92	90	22.62	2331.00	39.87	544.50	0.000000	0.00	0.000
5-74-P	92	90	22.62	2331.00	26.00	544.50	0.000000	0.00	0.000
5-75-P	92	90	22.62	2331.00	16.69	-544.50	0.000000	0.00	0.000
5-76-P	92	90	22.62	2331.00	-16.90	-544.50	0.000000	0.00	0.000
5-77-P	92	90	22.62	2331.00	-32.55	-544.50	0.000000	0.00	0.000
5-78-P	92	90	22.62	2331.00	-19.61	-544.50	0.000000	0.00	0.000
5-79-P	92	90	22.62	2331.00	-11.86	-544.50	0.000000	0.00	0.000
5-80-P	92	90	22.62	2331.00	-4.27	-544.50	0.000000	0.00	0.000
5-81-P	92	90	22.62	2331.00	3.16	-544.50	0.000000	0.00	0.000
6-1-P	92	90	22.62	2330.98	-5.89	-544.49	0.000000	0.00	0.000
6-2-P	92	90	22.62	2330.98	-14.16	-544.49	0.000000	0.00	0.000
6-3-P	92	90	22.62	2330.98	-25.36	-544.49	0.000000	0.00	0.000
6-4-P	92	90	22.62	2330.98	-69.60	-544.49	0.000000	0.00	0.000
6-5-P	92	90	22.62	2330.98	-115.80	-544.49	0.000000	0.00	0.000
6-6-P	92	90	22.62	2330.98	-64.45	-544.49	0.000000	0.00	0.000
6-7-P	92	90	22.62	2330.98	-23.12	-544.49	0.000000	0.00	0.000
6-8-P	92	90	22.62	2330.98	22.96	-544.49	0.000000	0.00	0.000
6-9-P	92	90	22.62	2330.98	37.42	-544.49	0.000000	0.00	0.000
6-10-P	92	90	22.62	2330.98	52.53	544.49	0.000000	0.00	0.000
6-11-P	92	90	22.62	2330.98	54.06	544.49	0.000000	0.00	0.000
6-12-P	92	90	22.62	2330.98	55.59	544.49	0.000000	0.00	0.000
6-13-P	92	90	22.62	2330.98	43.51	544.49	0.000000	0.00	0.000
6-14-P	92	90	22.62	2330.98	28.02	544.49	0.000000	0.00	0.000
6-15-P	92	90	22.62	2330.98	-5.00	-544.49	0.000000	0.00	0.000
6-16-P	92	90	22.62	2330.98	-48.20	-544.49	0.000000	0.00	0.000
6-17-P	92	90	22.62	2330.98	-95.82	-544.49	0.000000	0.00	0.000
6-18-P	92	90	22.62	2330.98	-48.32	-544.49	0.000000	0.00	0.000
6-19-P	92	90	22.62	2330.98	-11.64	-544.49	0.000000	0.00	0.000
6-20-P	92	90	22.62	2330.98	28.07	-544.49	0.000000	0.00	0.000
6-21-P	92	90	22.62	2330.98	43.64	544.49	0.000000	0.00	0.000
6-22-P	92	90	22.62	2330.98	56.13	544.49	0.000000	0.00	0.000
6-23-P	92	90	22.62	2330.98	55.60	544.49	0.000000	0.00	0.000
6-24-P	92	90	22.62	2330.98	55.08	544.49	0.000000	0.00	0.000
6-25-P	92	90	22.62	2330.98	41.60	544.49	0.000000	0.00	0.000
6-26-P	92	90	22.62	2330.98	24.88	544.49	0.000000	0.00	0.000
6-27-P	92	90	22.62	2330.98	-9.72	-544.49	0.000000	0.00	0.000

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Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
6-28-P	92	90	22.62	2330.98	-52.94	-544.49	0.000000	0.00	0.000
6-29-P	92	90	22.62	2330.98	-101.16	-544.49	0.000000	0.00	0.000
6-30-P	92	90	22.62	2330.98	-53.84	-544.49	0.000000	0.00	0.000
6-31-P	92	90	22.62	2330.98	-13.16	-544.49	0.000000	0.00	0.000
6-32-P	92	90	22.62	2330.98	22.31	-544.49	0.000000	0.00	0.000
6-33-P	92	90	22.62	2330.98	38.06	544.49	0.000000	0.00	0.000
6-34-P	92	90	22.62	2330.98	50.70	544.49	0.000000	0.00	0.000
6-35-P	92	90	22.62	2330.98	50.46	544.49	0.000000	0.00	0.000
6-36-P	92	90	22.62	2330.98	50.22	544.49	0.000000	0.00	0.000
6-37-P	92	90	22.62	2330.98	37.11	544.49	0.000000	0.00	0.000
6-38-P	92	90	22.62	2330.98	20.80	-544.49	0.000000	0.00	0.000
6-39-P	92	90	22.62	2330.98	-13.67	-544.49	0.000000	0.00	0.000
6-40-P	92	90	22.62	2330.98	-56.19	-544.49	0.000000	0.00	0.000
6-41-P	92	90	22.62	2330.98	-103.97	-544.49	0.000000	0.00	0.000
6-42-P	92	90	22.62	2330.98	-56.19	-544.49	0.000000	0.00	0.000
6-43-P	92	90	22.62	2330.98	-13.67	-544.49	0.000000	0.00	0.000
6-44-P	92	90	22.62	2330.98	20.80	-544.49	0.000000	0.00	0.000
6-45-P	92	90	22.62	2330.98	37.11	544.49	0.000000	0.00	0.000
6-46-P	92	90	22.62	2330.98	50.22	544.49	0.000000	0.00	0.000
6-47-P	92	90	22.62	2330.98	50.46	544.49	0.000000	0.00	0.000
6-48-P	92	90	22.62	2330.98	50.70	544.49	0.000000	0.00	0.000
6-49-P	92	90	22.62	2330.98	38.06	544.49	0.000000	0.00	0.000
6-50-P	92	90	22.62	2330.98	22.31	-544.49	0.000000	0.00	0.000
6-51-P	92	90	22.62	2330.98	-13.16	-544.49	0.000000	0.00	0.000
6-52-P	92	90	22.62	2330.98	-53.84	-544.49	0.000000	0.00	0.000
6-53-P	92	90	22.62	2330.98	-101.16	-544.49	0.000000	0.00	0.000
6-54-P	92	90	22.62	2330.98	-52.94	-544.49	0.000000	0.00	0.000
6-55-P	92	90	22.62	2330.98	-9.72	-544.49	0.000000	0.00	0.000
6-56-P	92	90	22.62	2330.98	24.88	544.49	0.000000	0.00	0.000
6-57-P	92	90	22.62	2330.98	41.60	544.49	0.000000	0.00	0.000
6-58-P	92	90	22.62	2330.98	55.08	544.49	0.000000	0.00	0.000
6-59-P	92	90	22.62	2330.98	55.60	544.49	0.000000	0.00	0.000
6-60-P	92	90	22.62	2330.98	56.13	544.49	0.000000	0.00	0.000
6-61-P	92	90	22.62	2330.98	43.64	544.49	0.000000	0.00	0.000
6-62-P	92	90	22.62	2330.98	28.07	-544.49	0.000000	0.00	0.000
6-63-P	92	90	22.62	2330.98	-11.64	-544.49	0.000000	0.00	0.000
6-64-P	92	90	22.62	2330.98	-48.32	-544.49	0.000000	0.00	0.000
6-65-P	92	90	22.62	2330.98	-95.82	-544.49	0.000000	0.00	0.000
6-66-P	92	90	22.62	2330.98	-48.20	-544.49	0.000000	0.00	0.000
6-67-P	92	90	22.62	2330.98	-5.00	-544.49	0.000000	0.00	0.000
6-68-P	92	90	22.62	2330.98	28.02	544.49	0.000000	0.00	0.000
6-69-P	92	90	22.62	2330.98	43.51	544.49	0.000000	0.00	0.000
6-70-P	92	90	22.62	2330.98	55.59	544.49	0.000000	0.00	0.000
6-71-P	92	90	22.62	2330.98	54.06	544.49	0.000000	0.00	0.000
6-72-P	92	90	22.62	2330.98	52.53	544.49	0.000000	0.00	0.000
6-73-P	92	90	22.62	2330.98	37.42	-544.49	0.000000	0.00	0.000
6-74-P	92	90	22.62	2330.98	22.96	-544.49	0.000000	0.00	0.000
6-75-P	92	90	22.62	2330.98	-23.12	-544.49	0.000000	0.00	0.000
6-76-P	92	90	22.62	2330.98	-64.45	-544.49	0.000000	0.00	0.000
6-77-P	92	90	22.62	2330.98	-115.80	-544.49	0.000000	0.00	0.000
6-78-P	92	90	22.62	2330.98	-69.60	-544.49	0.000000	0.00	0.000
6-79-P	92	90	22.62	2330.98	-25.36	-544.49	0.000000	0.00	0.000
6-80-P	92	90	22.62	2330.98	-14.16	-544.49	0.000000	0.00	0.000
6-81-P	92	90	22.62	2330.98	-5.89	-544.49	0.000000	0.00	0.000
7-1-S	100	90	22.62	2520.00	0.05	-582.15	0.000000	0.00	0.000
7-2-S	100	90	22.62	2520.00	-1.23	-582.15	0.000000	0.00	0.000
7-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
7-4-S	100	90	22.62	2520.00	-3.77	-582.15	0.000000	0.00	0.000
7-5-S	100	90	22.62	2520.00	38.67	582.15	0.000000	0.00	0.000
7-6-S	100	90	22.62	2520.00	67.34	582.15	0.000000	0.00	0.000
7-7-S	100	90	22.62	2520.00	96.00	582.15	0.000000	0.00	0.000
7-8-S	100	90	22.62	2520.00	116.80	582.15	0.000000	0.00	0.000
7-9-S	100	90	22.62	2520.00	133.33	582.15	0.000000	0.00	0.000
7-10-S	100	90	22.62	2520.00	145.54	582.15	0.000000	0.00	0.000
7-11-S	100	90	22.62	2520.00	147.41	582.15	0.000000	0.00	0.000
7-12-S	100	90	22.62	2520.00	149.29	-582.15	0.000000	0.00	0.000
7-13-S	100	90	22.62	2520.00	136.22	-582.15	0.000000	0.00	0.000
7-14-S	100	90	22.62	2520.00	122.37	-582.15	0.000000	0.00	0.000
7-15-S	100	90	22.62	2520.00	85.13	-582.15	0.000000	0.00	0.000
7-16-S	100	90	22.62	2520.00	33.90	-582.15	0.000000	0.00	0.000
7-17-S	100	90	22.62	2520.00	-26.37	-582.15	0.000000	0.00	0.000
7-18-S	100	90	22.62	2520.00	-23.02	-582.15	0.000000	0.00	0.000
7-19-S	100	90	22.62	2520.00	-15.03	-582.15	0.000000	0.00	0.000
7-20-S	100	90	22.62	2520.00	-2.83	-582.15	0.000000	0.00	0.000
8-1-S	100	90	22.62	2520.00	0.00	582.15	0.000000	0.00	0.000
8-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
8-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
8-4-S	100	90	22.62	2520.00	-3.76	-582.15	0.000000	0.00	0.000
8-5-S	100	90	22.62	2520.00	31.99	582.15	0.000000	0.00	0.000
8-6-S	100	90	22.62	2520.00	60.19	582.15	0.000000	0.00	0.000
8-7-S	100	90	22.62	2520.00	88.40	582.15	0.000000	0.00	0.000
8-8-S	100	90	22.62	2520.00	108.62	582.15	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
8-9-S	100	90	22.62	2520.00	124.53	582.15	0.000000	0.00	0.000
8-10-S	100	90	22.62	2520.00	136.65	582.15	0.000000	0.00	0.000
8-11-S	100	90	22.62	2520.00	139.83	582.15	0.000000	0.00	0.000
8-12-S	100	90	22.62	2520.00	143.02	582.15	0.000000	0.00	0.000
8-13-S	100	90	22.62	2520.00	133.17	582.15	0.000000	0.00	0.000
8-14-S	100	90	22.62	2520.00	122.60	-582.15	0.000000	0.00	0.000
8-15-S	100	90	22.62	2520.00	87.61	-582.15	0.000000	0.00	0.000
8-16-S	100	90	22.62	2520.00	39.90	-582.15	0.000000	0.00	0.000
8-17-S	100	90	22.62	2520.00	-32.60	-582.15	0.000000	0.00	0.000
8-18-S	100	90	22.62	2520.00	-28.19	-582.15	0.000000	0.00	0.000
8-19-S	100	90	22.62	2520.00	-18.57	-582.15	0.000000	0.00	0.000
8-20-S	100	90	22.62	2520.00	-6.39	-582.15	0.000000	0.00	0.000
9-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
9-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
9-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
9-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000
9-5-S	100	90	22.62	2520.00	10.39	-582.15	0.000000	0.00	0.000
9-6-S	100	90	22.62	2520.00	41.76	582.15	0.000000	0.00	0.000
9-7-S	100	90	22.62	2520.00	73.50	582.15	0.000000	0.00	0.000
9-8-S	100	90	22.62	2520.00	95.40	582.15	0.000000	0.00	0.000
9-9-S	100	90	22.62	2520.00	111.95	582.15	0.000000	0.00	0.000
9-10-S	100	90	22.62	2520.00	123.69	582.15	0.000000	0.00	0.000
9-11-S	100	90	22.62	2520.00	124.02	582.15	0.000000	0.00	0.000
9-12-S	100	90	22.62	2520.00	124.35	582.15	0.000000	0.00	0.000
9-13-S	100	90	22.62	2520.00	112.25	582.15	0.000000	0.00	0.000
9-14-S	100	90	22.62	2520.00	99.43	582.15	0.000000	0.00	0.000
9-15-S	100	90	22.62	2520.00	82.42	582.15	0.000000	0.00	0.000
9-16-S	100	90	22.62	2520.00	62.56	582.15	0.000000	0.00	0.000
9-17-S	100	90	22.62	2520.00	42.94	582.15	0.000000	0.00	0.000
9-18-S	100	90	22.62	2520.00	24.10	582.15	0.000000	0.00	0.000
9-19-S	100	90	22.62	2520.00	11.57	582.15	0.000000	0.00	0.000
9-20-S	100	90	22.62	2520.00	3.01	-582.15	0.000000	0.00	0.000
10-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
10-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
10-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
10-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000
10-5-S	100	90	22.62	2520.00	-8.86	-582.15	0.000000	0.00	0.000
10-6-S	100	90	22.62	2520.00	26.10	582.15	0.000000	0.00	0.000
10-7-S	100	90	22.62	2520.00	60.78	582.15	0.000000	0.00	0.000
10-8-S	100	90	22.62	2520.00	85.86	582.15	0.000000	0.00	0.000
10-9-S	100	90	22.62	2520.00	105.74	582.15	0.000000	0.00	0.000
10-10-S	100	90	22.62	2520.00	121.53	582.15	0.000000	0.00	0.000
10-11-S	100	90	22.62	2520.00	127.68	582.15	0.000000	0.00	0.000
10-12-S	100	90	22.62	2520.00	133.83	582.15	0.000000	0.00	0.000
10-13-S	100	90	22.62	2520.00	125.77	582.15	0.000000	0.00	0.000
10-14-S	100	90	22.62	2520.00	116.90	582.15	0.000000	0.00	0.000
10-15-S	100	90	22.62	2520.00	83.01	-582.15	0.000000	0.00	0.000
10-16-S	100	90	22.62	2520.00	34.44	-582.15	0.000000	0.00	0.000
10-17-S	100	90	22.62	2520.00	-27.44	-582.15	0.000000	0.00	0.000
10-18-S	100	90	22.62	2520.00	-24.40	-582.15	0.000000	0.00	0.000
10-19-S	100	90	22.62	2520.00	-15.35	-582.15	0.000000	0.00	0.000
10-20-S	100	90	22.62	2520.00	-2.52	-582.15	0.000000	0.00	0.000
11-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
11-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
11-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
11-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000
11-5-S	100	90	22.62	2520.00	-23.20	-582.15	0.000000	0.00	0.000
11-6-S	100	90	22.62	2520.00	13.08	582.15	0.000000	0.00	0.000
11-7-S	100	90	22.62	2520.00	49.37	582.15	0.000000	0.00	0.000
11-8-S	100	90	22.62	2520.00	75.95	582.15	0.000000	0.00	0.000
11-9-S	100	90	22.62	2520.00	97.27	582.15	0.000000	0.00	0.000
11-10-S	100	90	22.62	2520.00	114.44	582.15	0.000000	0.00	0.000
11-11-S	100	90	22.62	2520.00	121.77	582.15	0.000000	0.00	0.000
11-12-S	100	90	22.62	2520.00	129.11	582.15	0.000000	0.00	0.000
11-13-S	100	90	22.62	2520.00	121.98	582.15	0.000000	0.00	0.000
11-14-S	100	90	22.62	2520.00	114.02	582.15	0.000000	0.00	0.000
11-15-S	100	90	22.62	2520.00	80.92	-582.15	0.000000	0.00	0.000
11-16-S	100	90	22.62	2520.00	35.37	-582.15	0.000000	0.00	0.000
11-17-S	100	90	22.62	2520.00	-30.07	-582.15	0.000000	0.00	0.000
11-18-S	100	90	22.62	2520.00	-25.78	-582.15	0.000000	0.00	0.000
11-19-S	100	90	22.62	2520.00	-16.43	-582.15	0.000000	0.00	0.000
11-20-S	100	90	22.62	2520.00	-4.14	-582.15	0.000000	0.00	0.000
12-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
12-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
12-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
12-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000
12-5-S	100	90	22.62	2520.00	-34.18	-582.15	0.000000	0.00	0.000
12-6-S	100	90	22.62	2520.00	3.14	-582.15	0.000000	0.00	0.000
12-7-S	100	90	22.62	2520.00	39.74	582.15	0.000000	0.00	0.000
12-8-S	100	90	22.62	2520.00	66.31	582.15	0.000000	0.00	0.000
12-9-S	100	90	22.62	2520.00	87.25	582.15	0.000000	0.00	0.000
12-10-S	100	90	22.62	2520.00	103.11	582.15	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
12-11-S	100	90	22.62	2520.00	106.95	582.15	0.000000	0.00	0.000
12-12-S	100	90	22.62	2520.00	110.78	582.15	0.000000	0.00	0.000
12-13-S	100	90	22.62	2520.00	101.36	582.15	0.000000	0.00	0.000
12-14-S	100	90	22.62	2520.00	91.18	582.15	0.000000	0.00	0.000
12-15-S	100	90	22.62	2520.00	76.34	582.15	0.000000	0.00	0.000
12-16-S	100	90	22.62	2520.00	58.33	582.15	0.000000	0.00	0.000
12-17-S	100	90	22.62	2520.00	40.41	582.15	0.000000	0.00	0.000
12-18-S	100	90	22.62	2520.00	22.74	582.15	0.000000	0.00	0.000
12-19-S	100	90	22.62	2520.00	10.94	582.15	0.000000	0.00	0.000
12-20-S	100	90	22.62	2520.00	2.72	582.15	0.000000	0.00	0.000
13-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
13-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
13-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
13-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000
13-5-S	100	90	22.62	2520.00	-39.65	-582.15	0.000000	0.00	0.000
13-6-S	100	90	22.62	2520.00	-2.32	-582.15	0.000000	0.00	0.000
13-7-S	100	90	22.62	2520.00	35.31	582.15	0.000000	0.00	0.000
13-8-S	100	90	22.62	2520.00	63.21	582.15	0.000000	0.00	0.000
13-9-S	100	90	22.62	2520.00	85.91	582.15	0.000000	0.00	0.000
13-10-S	100	90	22.62	2520.00	104.45	582.15	0.000000	0.00	0.000
13-11-S	100	90	22.62	2520.00	113.14	582.15	0.000000	0.00	0.000
13-12-S	100	90	22.62	2520.00	121.82	582.15	0.000000	0.00	0.000
13-13-S	100	90	22.62	2520.00	115.91	582.15	0.000000	0.00	0.000
13-14-S	100	90	22.62	2520.00	109.17	582.15	0.000000	0.00	0.000
13-15-S	100	90	22.62	2520.00	77.10	-582.15	0.000000	0.00	0.000
13-16-S	100	90	22.62	2520.00	31.40	-582.15	0.000000	0.00	0.000
13-17-S	100	90	22.62	2520.00	-29.67	-582.15	0.000000	0.00	0.000
13-18-S	100	90	22.62	2520.00	-25.40	-582.15	0.000000	0.00	0.000
13-19-S	100	90	22.62	2520.00	-15.81	-582.15	0.000000	0.00	0.000
13-20-S	100	90	22.62	2520.00	-2.79	-582.15	0.000000	0.00	0.000
14-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
14-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
14-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
14-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000
14-5-S	100	90	22.62	2520.00	-43.60	-582.15	0.000000	0.00	0.000
14-6-S	100	90	22.62	2520.00	-5.97	-582.15	0.000000	0.00	0.000
14-7-S	100	90	22.62	2520.00	31.67	582.15	0.000000	0.00	0.000
14-8-S	100	90	22.62	2520.00	59.79	582.15	0.000000	0.00	0.000
14-9-S	100	90	22.62	2520.00	82.75	582.15	0.000000	0.00	0.000
14-10-S	100	90	22.62	2520.00	101.56	582.15	0.000000	0.00	0.000
14-11-S	100	90	22.62	2520.00	110.56	582.15	0.000000	0.00	0.000
14-12-S	100	90	22.62	2520.00	119.56	582.15	0.000000	0.00	0.000
14-13-S	100	90	22.62	2520.00	113.99	582.15	0.000000	0.00	0.000
14-14-S	100	90	22.62	2520.00	107.58	582.15	0.000000	0.00	0.000
14-15-S	100	90	22.62	2520.00	75.86	-582.15	0.000000	0.00	0.000
14-16-S	100	90	22.62	2520.00	31.45	-582.15	0.000000	0.00	0.000
14-17-S	100	90	22.62	2520.00	-30.69	-582.15	0.000000	0.00	0.000
14-18-S	100	90	22.62	2520.00	-25.94	-582.15	0.000000	0.00	0.000
14-19-S	100	90	22.62	2520.00	-16.27	-582.15	0.000000	0.00	0.000
14-20-S	100	90	22.62	2520.00	-3.62	-582.15	0.000000	0.00	0.000
15-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
15-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
15-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
15-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000
15-5-S	100	90	22.62	2520.00	-46.79	-582.15	0.000000	0.00	0.000
15-6-S	100	90	22.62	2520.00	-9.25	-582.15	0.000000	0.00	0.000
15-7-S	100	90	22.62	2520.00	28.28	582.15	0.000000	0.00	0.000
15-8-S	100	90	22.62	2520.00	55.63	582.15	0.000000	0.00	0.000
15-9-S	100	90	22.62	2520.00	77.45	582.15	0.000000	0.00	0.000
15-10-S	100	90	22.62	2520.00	94.22	582.15	0.000000	0.00	0.000
15-11-S	100	90	22.62	2520.00	99.07	582.15	0.000000	0.00	0.000
15-12-S	100	90	22.62	2520.00	103.91	582.15	0.000000	0.00	0.000
15-13-S	100	90	22.62	2520.00	95.52	582.15	0.000000	0.00	0.000
15-14-S	100	90	22.62	2520.00	86.38	582.15	0.000000	0.00	0.000
15-15-S	100	90	22.62	2520.00	72.52	582.15	0.000000	0.00	0.000
15-16-S	100	90	22.62	2520.00	55.45	582.15	0.000000	0.00	0.000
15-17-S	100	90	22.62	2520.00	38.43	582.15	0.000000	0.00	0.000
15-18-S	100	90	22.62	2520.00	21.59	582.15	0.000000	0.00	0.000
15-19-S	100	90	22.62	2520.00	10.33	582.15	0.000000	0.00	0.000
15-20-S	100	90	22.62	2520.00	2.48	582.15	0.000000	0.00	0.000
16-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
16-2-S	100	90	27.14	2520.00	-1.25	-598.17	0.000000	0.00	0.000
16-3-S	100	90	27.14	2520.00	-2.50	-598.17	0.000000	0.00	0.000
16-4-S	100	90	27.14	2520.00	-3.75	-598.17	0.000000	0.00	0.000
16-5-S	100	90	27.14	2520.00	-46.80	-598.17	0.000000	0.00	0.000
16-6-S	100	90	27.14	2520.00	-9.11	-598.17	0.000000	0.00	0.000
16-7-S	100	90	27.14	2520.00	28.58	598.17	0.000000	0.00	0.000
16-8-S	100	90	27.14	2520.00	56.83	598.17	0.000000	0.00	0.000
16-9-S	100	90	27.14	2520.00	79.97	598.17	0.000000	0.00	0.000
16-10-S	100	90	27.14	2520.00	98.97	598.17	0.000000	0.00	0.000
16-11-S	100	90	27.14	2520.00	108.22	598.17	0.000000	0.00	0.000
16-12-S	100	90	27.14	2520.00	117.46	598.17	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
16-13-S	100	90	27.14	2520.00	112.18	598.17	0.000000	0.00	0.000
16-14-S	100	90	27.14	2520.00	106.06	598.17	0.000000	0.00	0.000
16-15-S	100	90	27.14	2520.00	74.60	-598.17	0.000000	0.00	0.000
16-16-S	100	90	27.14	2520.00	30.33	-598.17	0.000000	0.00	0.000
16-17-S	100	90	27.14	2520.00	-30.74	-598.17	0.000000	0.00	0.000
16-18-S	100	90	27.14	2520.00	-25.97	-598.17	0.000000	0.00	0.000
16-19-S	100	90	27.14	2520.00	-16.20	-598.17	0.000000	0.00	0.000
16-20-S	100	90	27.14	2520.00	-3.34	-598.17	0.000000	0.00	0.000
17-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
17-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
17-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
17-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000
17-5-S	100	90	22.62	2520.00	-46.80	-582.15	0.000000	0.00	0.000
17-6-S	100	90	22.62	2520.00	-9.11	-582.15	0.000000	0.00	0.000
17-7-S	100	90	22.62	2520.00	28.58	582.15	0.000000	0.00	0.000
17-8-S	100	90	22.62	2520.00	56.83	582.15	0.000000	0.00	0.000
17-9-S	100	90	22.62	2520.00	79.97	582.15	0.000000	0.00	0.000
17-10-S	100	90	22.62	2520.00	98.97	582.15	0.000000	0.00	0.000
17-11-S	100	90	22.62	2520.00	108.22	582.15	0.000000	0.00	0.000
17-12-S	100	90	22.62	2520.00	117.46	582.15	0.000000	0.00	0.000
17-13-S	100	90	22.62	2520.00	112.18	582.15	0.000000	0.00	0.000
17-14-S	100	90	22.62	2520.00	106.06	582.15	0.000000	0.00	0.000
17-15-S	100	90	22.62	2520.00	74.60	-582.15	0.000000	0.00	0.000
17-16-S	100	90	22.62	2520.00	30.33	-582.15	0.000000	0.00	0.000
17-17-S	100	90	22.62	2520.00	-30.74	-582.15	0.000000	0.00	0.000
17-18-S	100	90	22.62	2520.00	-25.97	-582.15	0.000000	0.00	0.000
17-19-S	100	90	22.62	2520.00	-16.20	-582.15	0.000000	0.00	0.000
17-20-S	100	90	22.62	2520.00	-3.34	-582.15	0.000000	0.00	0.000
18-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
18-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
18-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
18-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000
18-5-S	100	90	22.62	2520.00	-46.79	-582.15	0.000000	0.00	0.000
18-6-S	100	90	22.62	2520.00	-9.25	-582.15	0.000000	0.00	0.000
18-7-S	100	90	22.62	2520.00	28.28	582.15	0.000000	0.00	0.000
18-8-S	100	90	22.62	2520.00	55.63	582.15	0.000000	0.00	0.000
18-9-S	100	90	22.62	2520.00	77.45	582.15	0.000000	0.00	0.000
18-10-S	100	90	22.62	2520.00	94.22	582.15	0.000000	0.00	0.000
18-11-S	100	90	22.62	2520.00	99.07	582.15	0.000000	0.00	0.000
18-12-S	100	90	22.62	2520.00	103.91	582.15	0.000000	0.00	0.000
18-13-S	100	90	22.62	2520.00	95.52	582.15	0.000000	0.00	0.000
18-14-S	100	90	22.62	2520.00	86.38	582.15	0.000000	0.00	0.000
18-15-S	100	90	22.62	2520.00	72.52	582.15	0.000000	0.00	0.000
18-16-S	100	90	22.62	2520.00	55.45	582.15	0.000000	0.00	0.000
18-17-S	100	90	22.62	2520.00	38.43	582.15	0.000000	0.00	0.000
18-18-S	100	90	22.62	2520.00	21.59	582.15	0.000000	0.00	0.000
18-19-S	100	90	22.62	2520.00	10.33	582.15	0.000000	0.00	0.000
18-20-S	100	90	22.62	2520.00	2.48	582.15	0.000000	0.00	0.000
19-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
19-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
19-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
19-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000
19-5-S	100	90	22.62	2520.00	-43.60	-582.15	0.000000	0.00	0.000
19-6-S	100	90	22.62	2520.00	-5.97	-582.15	0.000000	0.00	0.000
19-7-S	100	90	22.62	2520.00	31.67	582.15	0.000000	0.00	0.000
19-8-S	100	90	22.62	2520.00	59.79	582.15	0.000000	0.00	0.000
19-9-S	100	90	22.62	2520.00	82.75	582.15	0.000000	0.00	0.000
19-10-S	100	90	22.62	2520.00	101.56	582.15	0.000000	0.00	0.000
19-11-S	100	90	22.62	2520.00	110.56	582.15	0.000000	0.00	0.000
19-12-S	100	90	22.62	2520.00	119.56	582.15	0.000000	0.00	0.000
19-13-S	100	90	22.62	2520.00	113.99	582.15	0.000000	0.00	0.000
19-14-S	100	90	22.62	2520.00	107.58	582.15	0.000000	0.00	0.000
19-15-S	100	90	22.62	2520.00	75.86	-582.15	0.000000	0.00	0.000
19-16-S	100	90	22.62	2520.00	31.45	-582.15	0.000000	0.00	0.000
19-17-S	100	90	22.62	2520.00	-30.69	-582.15	0.000000	0.00	0.000
19-18-S	100	90	22.62	2520.00	-25.94	-582.15	0.000000	0.00	0.000
19-19-S	100	90	22.62	2520.00	-16.27	-582.15	0.000000	0.00	0.000
19-20-S	100	90	22.62	2520.00	-3.62	-582.15	0.000000	0.00	0.000
20-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
20-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
20-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
20-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000
20-5-S	100	90	22.62	2520.00	-39.65	-582.15	0.000000	0.00	0.000
20-6-S	100	90	22.62	2520.00	-2.32	-582.15	0.000000	0.00	0.000
20-7-S	100	90	22.62	2520.00	35.31	582.15	0.000000	0.00	0.000
20-8-S	100	90	22.62	2520.00	63.21	582.15	0.000000	0.00	0.000
20-9-S	100	90	22.62	2520.00	85.91	582.15	0.000000	0.00	0.000
20-10-S	100	90	22.62	2520.00	104.45	582.15	0.000000	0.00	0.000
20-11-S	100	90	22.62	2520.00	113.14	582.15	0.000000	0.00	0.000
20-12-S	100	90	22.62	2520.00	121.82	582.15	0.000000	0.00	0.000
20-13-S	100	90	22.62	2520.00	115.91	582.15	0.000000	0.00	0.000
20-14-S	100	90	22.62	2520.00	109.17	582.15	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
20-15-S	100	90	22.62	2520.00	77.10	-582.15	0.000000	0.00	0.000
20-16-S	100	90	22.62	2520.00	31.40	-582.15	0.000000	0.00	0.000
20-17-S	100	90	22.62	2520.00	-29.67	-582.15	0.000000	0.00	0.000
20-18-S	100	90	22.62	2520.00	-25.40	-582.15	0.000000	0.00	0.000
20-19-S	100	90	22.62	2520.00	-15.81	-582.15	0.000000	0.00	0.000
20-20-S	100	90	22.62	2520.00	-2.79	-582.15	0.000000	0.00	0.000
21-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
21-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
21-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
21-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000
21-5-S	100	90	22.62	2520.00	-34.18	-582.15	0.000000	0.00	0.000
21-6-S	100	90	22.62	2520.00	3.14	-582.15	0.000000	0.00	0.000
21-7-S	100	90	22.62	2520.00	39.74	582.15	0.000000	0.00	0.000
21-8-S	100	90	22.62	2520.00	66.31	582.15	0.000000	0.00	0.000
21-9-S	100	90	22.62	2520.00	87.25	582.15	0.000000	0.00	0.000
21-10-S	100	90	22.62	2520.00	103.11	582.15	0.000000	0.00	0.000
21-11-S	100	90	22.62	2520.00	106.95	582.15	0.000000	0.00	0.000
21-12-S	100	90	22.62	2520.00	110.78	582.15	0.000000	0.00	0.000
21-13-S	100	90	22.62	2520.00	101.36	582.15	0.000000	0.00	0.000
21-14-S	100	90	22.62	2520.00	91.18	582.15	0.000000	0.00	0.000
21-15-S	100	90	22.62	2520.00	76.34	582.15	0.000000	0.00	0.000
21-16-S	100	90	22.62	2520.00	58.33	582.15	0.000000	0.00	0.000
21-17-S	100	90	22.62	2520.00	40.41	582.15	0.000000	0.00	0.000
21-18-S	100	90	22.62	2520.00	22.74	582.15	0.000000	0.00	0.000
21-19-S	100	90	22.62	2520.00	10.94	582.15	0.000000	0.00	0.000
21-20-S	100	90	22.62	2520.00	2.72	582.15	0.000000	0.00	0.000
22-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
22-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
22-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
22-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000
22-5-S	100	90	22.62	2520.00	-23.20	-582.15	0.000000	0.00	0.000
22-6-S	100	90	22.62	2520.00	13.08	582.15	0.000000	0.00	0.000
22-7-S	100	90	22.62	2520.00	49.37	582.15	0.000000	0.00	0.000
22-8-S	100	90	22.62	2520.00	75.95	582.15	0.000000	0.00	0.000
22-9-S	100	90	22.62	2520.00	97.27	582.15	0.000000	0.00	0.000
22-10-S	100	90	22.62	2520.00	114.44	582.15	0.000000	0.00	0.000
22-11-S	100	90	22.62	2520.00	121.77	582.15	0.000000	0.00	0.000
22-12-S	100	90	22.62	2520.00	129.11	582.15	0.000000	0.00	0.000
22-13-S	100	90	22.62	2520.00	121.98	582.15	0.000000	0.00	0.000
22-14-S	100	90	22.62	2520.00	114.02	582.15	0.000000	0.00	0.000
22-15-S	100	90	22.62	2520.00	80.92	-582.15	0.000000	0.00	0.000
22-16-S	100	90	22.62	2520.00	35.37	-582.15	0.000000	0.00	0.000
22-17-S	100	90	22.62	2520.00	-30.07	-582.15	0.000000	0.00	0.000
22-18-S	100	90	22.62	2520.00	-25.78	-582.15	0.000000	0.00	0.000
22-19-S	100	90	22.62	2520.00	-16.43	-582.15	0.000000	0.00	0.000
22-20-S	100	90	22.62	2520.00	-4.14	-582.15	0.000000	0.00	0.000
23-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
23-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
23-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
23-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000
23-5-S	100	90	22.62	2520.00	-8.86	-582.15	0.000000	0.00	0.000
23-6-S	100	90	22.62	2520.00	26.10	582.15	0.000000	0.00	0.000
23-7-S	100	90	22.62	2520.00	60.78	582.15	0.000000	0.00	0.000
23-8-S	100	90	22.62	2520.00	85.86	582.15	0.000000	0.00	0.000
23-9-S	100	90	22.62	2520.00	105.74	582.15	0.000000	0.00	0.000
23-10-S	100	90	22.62	2520.00	121.53	582.15	0.000000	0.00	0.000
23-11-S	100	90	22.62	2520.00	127.68	582.15	0.000000	0.00	0.000
23-12-S	100	90	22.62	2520.00	133.83	582.15	0.000000	0.00	0.000
23-13-S	100	90	22.62	2520.00	125.77	582.15	0.000000	0.00	0.000
23-14-S	100	90	22.62	2520.00	116.90	582.15	0.000000	0.00	0.000
23-15-S	100	90	22.62	2520.00	83.01	-582.15	0.000000	0.00	0.000
23-16-S	100	90	22.62	2520.00	34.44	-582.15	0.000000	0.00	0.000
23-17-S	100	90	22.62	2520.00	-27.44	-582.15	0.000000	0.00	0.000
23-18-S	100	90	22.62	2520.00	-24.40	-582.15	0.000000	0.00	0.000
23-19-S	100	90	22.62	2520.00	-15.35	-582.15	0.000000	0.00	0.000
23-20-S	100	90	22.62	2520.00	-2.52	-582.15	0.000000	0.00	0.000
24-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
24-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
24-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
24-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000
24-5-S	100	90	22.62	2520.00	10.39	-582.15	0.000000	0.00	0.000
24-6-S	100	90	22.62	2520.00	41.76	582.15	0.000000	0.00	0.000
24-7-S	100	90	22.62	2520.00	73.50	582.15	0.000000	0.00	0.000
24-8-S	100	90	22.62	2520.00	95.40	582.15	0.000000	0.00	0.000
24-9-S	100	90	22.62	2520.00	111.95	582.15	0.000000	0.00	0.000
24-10-S	100	90	22.62	2520.00	123.69	582.15	0.000000	0.00	0.000
24-11-S	100	90	22.62	2520.00	124.02	582.15	0.000000	0.00	0.000
24-12-S	100	90	22.62	2520.00	124.35	582.15	0.000000	0.00	0.000
24-13-S	100	90	22.62	2520.00	112.25	582.15	0.000000	0.00	0.000
24-14-S	100	90	22.62	2520.00	99.43	582.15	0.000000	0.00	0.000
24-15-S	100	90	22.62	2520.00	82.42	582.15	0.000000	0.00	0.000
24-16-S	100	90	22.62	2520.00	62.56	582.15	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
24-17-S	100	90	22.62	2520.00	42.94	582.15	0.000000	0.00	0.000
24-18-S	100	90	22.62	2520.00	24.10	582.15	0.000000	0.00	0.000
24-19-S	100	90	22.62	2520.00	11.57	582.15	0.000000	0.00	0.000
24-20-S	100	90	22.62	2520.00	3.01	-582.15	0.000000	0.00	0.000
25-1-S	100	90	22.62	2520.00	0.00	582.15	0.000000	0.00	0.000
25-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
25-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
25-4-S	100	90	22.62	2520.00	-3.76	-582.15	0.000000	0.00	0.000
25-5-S	100	90	22.62	2520.00	31.99	582.15	0.000000	0.00	0.000
25-6-S	100	90	22.62	2520.00	60.19	582.15	0.000000	0.00	0.000
25-7-S	100	90	22.62	2520.00	88.40	582.15	0.000000	0.00	0.000
25-8-S	100	90	22.62	2520.00	108.62	582.15	0.000000	0.00	0.000
25-9-S	100	90	22.62	2520.00	124.53	582.15	0.000000	0.00	0.000
25-10-S	100	90	22.62	2520.00	136.65	582.15	0.000000	0.00	0.000
25-11-S	100	90	22.62	2520.00	139.83	582.15	0.000000	0.00	0.000
25-12-S	100	90	22.62	2520.00	143.02	582.15	0.000000	0.00	0.000
25-13-S	100	90	22.62	2520.00	133.17	582.15	0.000000	0.00	0.000
25-14-S	100	90	22.62	2520.00	122.60	-582.15	0.000000	0.00	0.000
25-15-S	100	90	22.62	2520.00	87.61	-582.15	0.000000	0.00	0.000
25-16-S	100	90	22.62	2520.00	39.90	-582.15	0.000000	0.00	0.000
25-17-S	100	90	22.62	2520.00	-32.60	-582.15	0.000000	0.00	0.000
25-18-S	100	90	22.62	2520.00	-28.19	-582.15	0.000000	0.00	0.000
25-19-S	100	90	22.62	2520.00	-18.57	-582.15	0.000000	0.00	0.000
25-20-S	100	90	22.62	2520.00	-6.39	-582.15	0.000000	0.00	0.000
26-1-S	100	90	22.62	2520.00	0.05	-582.15	0.000000	0.00	0.000
26-2-S	100	90	22.62	2520.00	-1.23	-582.15	0.000000	0.00	0.000
26-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
26-4-S	100	90	22.62	2520.00	-3.77	-582.15	0.000000	0.00	0.000
26-5-S	100	90	22.62	2520.00	38.67	582.15	0.000000	0.00	0.000
26-6-S	100	90	22.62	2520.00	67.34	582.15	0.000000	0.00	0.000
26-7-S	100	90	22.62	2520.00	96.00	582.15	0.000000	0.00	0.000
26-8-S	100	90	22.62	2520.00	116.80	582.15	0.000000	0.00	0.000
26-9-S	100	90	22.62	2520.00	133.33	582.15	0.000000	0.00	0.000
26-10-S	100	90	22.62	2520.00	145.54	582.15	0.000000	0.00	0.000
26-11-S	100	90	22.62	2520.00	147.41	582.15	0.000000	0.00	0.000
26-12-S	100	90	22.62	2520.00	149.29	-582.15	0.000000	0.00	0.000
26-13-S	100	90	22.62	2520.00	136.22	-582.15	0.000000	0.00	0.000
26-14-S	100	90	22.62	2520.00	122.37	-582.15	0.000000	0.00	0.000
26-15-S	100	90	22.62	2520.00	85.13	-582.15	0.000000	0.00	0.000
26-16-S	100	90	22.62	2520.00	33.90	-582.15	0.000000	0.00	0.000
26-17-S	100	90	22.62	2520.00	-26.37	-582.15	0.000000	0.00	0.000
26-18-S	100	90	22.62	2520.00	-23.02	-582.15	0.000000	0.00	0.000
26-19-S	100	90	22.62	2520.00	-15.03	-582.15	0.000000	0.00	0.000
26-20-S	100	90	22.62	2520.00	-2.83	-582.15	0.000000	0.00	0.000

Pali in c.a.

Apertura limite fessure $w_{lim}=100.000$ mm

Ip	Is	Af [cmq]	Aeff [cmq]	Mpf [kNm]	M [kNm]	N [kN]	ε [%]	Sm [mm]	w _m [mm]
1	1	22.81	554.14	293.04	-298.88	552.35	0.000000	0.00	0.00
2	1	22.81	473.92	324.91	-298.88	979.24	0.000000	0.00	0.00

10.2.9 Combinazioni SLEF

Paramento

Apertura limite fessure $w_{lim}=0.30$

n°	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
1	100	30	18.10	1079.68	-0.45	-64.49	0.000000	0.00	0.000 (6)
2	100	31	18.10	1121.62	-0.40	-69.33	0.000000	0.00	0.000 (6)
3	100	32	18.10	1163.67	-0.29	-74.33	0.000000	0.00	0.000 (6)
4	100	33	18.10	1205.82	-0.11	-79.48	0.000000	0.00	0.000 (6)
5	100	34	22.62	1205.06	0.15	86.43	0.000000	0.00	0.000 (6)
6	100	35	22.62	1245.68	0.49	91.99	0.000000	0.00	0.000 (6)
7	100	36	22.62	1286.43	0.91	97.69	0.000000	0.00	0.000 (6)
8	100	37	22.62	1327.30	1.42	103.54	0.000000	0.00	0.000 (6)
9	100	38	22.62	1368.28	2.03	109.54	0.000000	0.00	0.000 (6)
10	100	39	22.62	1409.36	2.73	115.69	0.000000	0.00	0.000 (6)
11	100	40	22.62	1450.56	3.54	121.98	0.000000	0.00	0.000 (6)

RELAZIONE DI CALCOLO

n°	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
12	100	41	22.62	1491.85	4.46	128.43	0.000000	0.00	0.000 (6)
13	100	42	22.62	1533.25	5.49	135.01	0.000000	0.00	0.000 (6)
14	100	44	22.62	1574.74	6.64	141.75	0.000000	0.00	0.000 (6)
15	100	45	22.62	1616.31	7.91	148.63	0.000000	0.00	0.000 (6)
16	100	46	22.62	1657.97	9.31	155.66	0.000000	0.00	0.000 (6)
17	100	47	22.62	1699.72	10.84	162.83	0.000000	0.00	0.000 (6)
18	100	48	22.62	1741.55	12.51	170.15	0.000000	0.00	0.000 (6)
19	100	49	22.62	1783.45	14.32	177.61	0.000000	0.00	0.000 (6)
20	100	50	22.62	1825.44	16.28	185.22	0.000000	0.00	0.000 (6)
21	100	51	22.62	1867.49	18.39	192.97	0.000000	0.00	0.000 (6)
22	100	52	22.62	1909.62	20.65	200.86	0.000000	0.00	0.000 (6)
23	100	53	22.62	1951.82	23.08	208.91	0.000000	0.00	0.000 (6)
24	100	54	22.62	1994.08	25.67	217.09	0.000000	0.00	0.000 (6)
25	100	55	22.62	2036.40	28.43	225.42	0.000000	0.00	0.000 (6)
26	100	56	22.62	2078.79	31.37	233.89	0.000000	0.00	0.000 (6)
27	100	57	22.62	2121.25	34.48	242.51	0.000000	0.00	0.000 (6)
28	100	58	22.62	2163.76	37.78	251.27	0.000000	0.00	0.000 (6)
29	100	59	45.24	1965.93	41.27	290.77	0.000000	0.00	0.000 (6)
30	100	60	45.24	2004.77	44.96	300.67	0.000000	0.00	0.000 (6)
31	100	61	45.24	2043.69	48.84	310.72	0.000000	0.00	0.000 (6)
32	100	62	45.24	2082.70	52.93	320.91	0.000000	0.00	0.000 (6)
33	100	63	45.24	2121.79	57.23	331.26	0.000000	0.00	0.000 (6)
34	100	64	45.24	2160.95	61.74	341.75	0.000000	0.00	0.000 (6)
35	100	65	45.24	2133.71	66.46	338.60	0.000000	0.00	0.000 (6)
36	100	66	45.24	2172.43	71.41	349.01	0.000000	0.00	0.000 (6)
37	100	67	45.24	2211.24	76.59	359.57	0.000000	0.00	0.000 (6)
38	100	68	45.24	2250.12	82.00	370.27	0.000000	0.00	0.000 (6)
39	100	69	45.24	2289.09	87.65	381.13	0.000000	0.00	0.000 (6)
40	100	71	45.24	2328.13	93.54	392.11	0.000000	0.00	0.000 (6)
41	100	72	45.24	2367.24	99.67	403.26	0.000000	0.00	0.000 (6)
42	100	73	45.24	2406.43	106.06	414.53	0.000000	0.00	0.000 (6)
43	100	74	45.24	2445.69	112.70	425.97	0.000000	0.00	0.000 (6)
44	100	75	45.24	2480.92	119.61	436.37	0.000000	0.00	0.000 (6)

Piastra fondazione

Apertura limite fessure $w_{lim}=0.30$

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
1-1-P	55	90	18.10	1386.00	-0.23	-340.21	0.000000	0.00	0.000
1-2-P	55	90	18.10	1386.00	-0.24	-340.21	0.000000	0.00	0.000
1-3-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-4-P	55	90	18.10	1386.00	-0.27	-340.21	0.000000	0.00	0.000
1-5-P	55	90	18.10	1386.00	-0.30	-340.21	0.000000	0.00	0.000
1-6-P	55	90	18.10	1386.00	-0.30	-340.21	0.000000	0.00	0.000
1-7-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-8-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-9-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-10-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-11-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-12-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-13-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-14-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-15-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-16-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-17-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-18-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-19-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-20-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-21-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-22-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-23-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-24-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-25-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-26-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-27-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-28-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-29-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-30-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-31-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-32-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-33-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-34-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-35-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-36-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-37-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-38-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-39-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
1-40-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-41-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-42-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-43-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-44-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-45-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-46-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-47-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-48-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-49-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-50-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-51-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-52-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-53-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-54-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-55-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-56-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-57-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-58-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-59-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-60-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-61-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-62-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-63-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-64-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-65-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-66-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-67-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-68-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-69-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-70-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-71-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-72-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-73-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-74-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-75-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-76-P	55	90	18.10	1386.00	-0.30	-340.21	0.000000	0.00	0.000
1-77-P	55	90	18.10	1386.00	-0.30	-340.21	0.000000	0.00	0.000
1-78-P	55	90	18.10	1386.00	-0.27	-340.21	0.000000	0.00	0.000
1-79-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-80-P	55	90	18.10	1386.00	-0.24	-340.21	0.000000	0.00	0.000
1-81-P	55	90	18.10	1386.00	-0.23	-340.21	0.000000	0.00	0.000
3-1-P	93	90	22.62	2331.00	4.72	544.50	0.000000	0.00	0.000
3-2-P	93	90	22.62	2331.00	7.36	544.50	0.000000	0.00	0.000
3-3-P	93	90	22.62	2331.00	10.00	544.50	0.000000	0.00	0.000
3-4-P	93	90	22.62	2331.00	13.23	544.50	0.000000	0.00	0.000
3-5-P	93	90	22.62	2331.00	16.46	544.50	0.000000	0.00	0.000
3-6-P	93	90	22.62	2331.00	17.73	544.50	0.000000	0.00	0.000
3-7-P	93	90	22.62	2331.00	19.00	544.50	0.000000	0.00	0.000
3-8-P	93	90	22.62	2331.00	19.55	544.50	0.000000	0.00	0.000
3-9-P	93	90	22.62	2331.00	19.61	544.50	0.000000	0.00	0.000
3-10-P	93	90	22.62	2331.00	19.52	544.50	0.000000	0.00	0.000
3-11-P	93	90	22.62	2331.00	18.86	544.50	0.000000	0.00	0.000
3-12-P	93	90	22.62	2331.00	18.22	-544.50	0.000000	0.00	0.000
3-13-P	93	90	22.62	2331.00	17.38	-544.50	0.000000	0.00	0.000
3-14-P	93	90	22.62	2331.00	16.49	-544.50	0.000000	0.00	0.000
3-15-P	93	90	22.62	2331.00	15.59	-544.50	0.000000	0.00	0.000
3-16-P	93	90	22.62	2331.00	14.76	-544.50	0.000000	0.00	0.000
3-17-P	93	90	22.62	2331.00	13.93	-544.50	0.000000	0.00	0.000
3-18-P	93	90	22.62	2331.00	13.34	-544.50	0.000000	0.00	0.000
3-19-P	93	90	22.62	2331.00	12.73	-544.50	0.000000	0.00	0.000
3-20-P	93	90	22.62	2331.00	12.25	-544.50	0.000000	0.00	0.000
3-21-P	93	90	22.62	2331.00	11.80	-544.50	0.000000	0.00	0.000
3-22-P	93	90	22.62	2331.00	11.39	-544.50	0.000000	0.00	0.000
3-23-P	93	90	22.62	2331.00	10.95	-544.50	0.000000	0.00	0.000
3-24-P	93	90	22.62	2331.00	10.54	-544.50	0.000000	0.00	0.000
3-25-P	93	90	22.62	2331.00	10.11	-544.50	0.000000	0.00	0.000
3-26-P	93	90	22.62	2331.00	9.66	-544.50	0.000000	0.00	0.000
3-27-P	93	90	22.62	2331.00	9.27	-544.50	0.000000	0.00	0.000
3-28-P	93	90	22.62	2331.00	8.96	-544.50	0.000000	0.00	0.000
3-29-P	93	90	22.62	2331.00	8.66	-544.50	0.000000	0.00	0.000
3-30-P	93	90	22.62	2331.00	8.55	-544.50	0.000000	0.00	0.000
3-31-P	93	90	22.62	2331.00	8.44	-544.50	0.000000	0.00	0.000
3-32-P	93	90	22.62	2331.00	8.38	-544.50	0.000000	0.00	0.000
3-33-P	93	90	22.62	2331.00	8.35	-544.50	0.000000	0.00	0.000
3-34-P	93	90	22.62	2331.00	8.30	-544.50	0.000000	0.00	0.000
3-35-P	93	90	22.62	2331.00	8.22	-544.50	0.000000	0.00	0.000
3-36-P	93	90	22.62	2331.00	8.13	-544.50	0.000000	0.00	0.000
3-37-P	93	90	22.62	2331.00	7.99	-544.50	0.000000	0.00	0.000
3-38-P	93	90	22.62	2331.00	7.83	-544.50	0.000000	0.00	0.000
3-39-P	93	90	22.62	2331.00	7.71	-544.50	0.000000	0.00	0.000
3-40-P	93	90	22.62	2331.00	7.63	-544.50	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
3-41-P	93	90	22.62	2331.00	7.55	-544.50	0.000000	0.00	0.000
3-42-P	93	90	22.62	2331.00	7.63	-544.50	0.000000	0.00	0.000
3-43-P	93	90	22.62	2331.00	7.71	-544.50	0.000000	0.00	0.000
3-44-P	93	90	22.62	2331.00	7.83	-544.50	0.000000	0.00	0.000
3-45-P	93	90	22.62	2331.00	7.99	-544.50	0.000000	0.00	0.000
3-46-P	93	90	22.62	2331.00	8.13	-544.50	0.000000	0.00	0.000
3-47-P	93	90	22.62	2331.00	8.22	-544.50	0.000000	0.00	0.000
3-48-P	93	90	22.62	2331.00	8.30	-544.50	0.000000	0.00	0.000
3-49-P	93	90	22.62	2331.00	8.35	-544.50	0.000000	0.00	0.000
3-50-P	93	90	22.62	2331.00	8.38	-544.50	0.000000	0.00	0.000
3-51-P	93	90	22.62	2331.00	8.44	-544.50	0.000000	0.00	0.000
3-52-P	93	90	22.62	2331.00	8.55	-544.50	0.000000	0.00	0.000
3-53-P	93	90	22.62	2331.00	8.66	-544.50	0.000000	0.00	0.000
3-54-P	93	90	22.62	2331.00	8.96	-544.50	0.000000	0.00	0.000
3-55-P	93	90	22.62	2331.00	9.27	-544.50	0.000000	0.00	0.000
3-56-P	93	90	22.62	2331.00	9.66	-544.50	0.000000	0.00	0.000
3-57-P	93	90	22.62	2331.00	10.11	-544.50	0.000000	0.00	0.000
3-58-P	93	90	22.62	2331.00	10.54	-544.50	0.000000	0.00	0.000
3-59-P	93	90	22.62	2331.00	10.95	-544.50	0.000000	0.00	0.000
3-60-P	93	90	22.62	2331.00	11.39	-544.50	0.000000	0.00	0.000
3-61-P	93	90	22.62	2331.00	11.80	-544.50	0.000000	0.00	0.000
3-62-P	93	90	22.62	2331.00	12.25	-544.50	0.000000	0.00	0.000
3-63-P	93	90	22.62	2331.00	12.73	-544.50	0.000000	0.00	0.000
3-64-P	93	90	22.62	2331.00	13.34	-544.50	0.000000	0.00	0.000
3-65-P	93	90	22.62	2331.00	13.93	-544.50	0.000000	0.00	0.000
3-66-P	93	90	22.62	2331.00	14.76	-544.50	0.000000	0.00	0.000
3-67-P	93	90	22.62	2331.00	15.59	-544.50	0.000000	0.00	0.000
3-68-P	93	90	22.62	2331.00	16.49	-544.50	0.000000	0.00	0.000
3-69-P	93	90	22.62	2331.00	17.38	-544.50	0.000000	0.00	0.000
3-70-P	93	90	22.62	2331.00	18.22	-544.50	0.000000	0.00	0.000
3-71-P	93	90	22.62	2331.00	18.86	544.50	0.000000	0.00	0.000
3-72-P	93	90	22.62	2331.00	19.52	544.50	0.000000	0.00	0.000
3-73-P	93	90	22.62	2331.00	19.61	544.50	0.000000	0.00	0.000
3-74-P	93	90	22.62	2331.00	19.55	544.50	0.000000	0.00	0.000
3-75-P	93	90	22.62	2331.00	19.00	544.50	0.000000	0.00	0.000
3-76-P	93	90	22.62	2331.00	17.73	544.50	0.000000	0.00	0.000
3-77-P	93	90	22.62	2331.00	16.46	544.50	0.000000	0.00	0.000
3-78-P	93	90	22.62	2331.00	13.23	544.50	0.000000	0.00	0.000
3-79-P	93	90	22.62	2331.00	10.00	544.50	0.000000	0.00	0.000
3-80-P	93	90	22.62	2331.00	7.36	544.50	0.000000	0.00	0.000
3-81-P	93	90	22.62	2331.00	4.72	544.50	0.000000	0.00	0.000
4-1-P	92	90	22.62	2331.00	-1.46	-544.50	0.000000	0.00	0.000
4-2-P	92	90	22.62	2331.00	3.83	-544.50	0.000000	0.00	0.000
4-3-P	92	90	22.62	2331.00	7.42	544.50	0.000000	0.00	0.000
4-4-P	92	90	22.62	2331.00	13.21	544.50	0.000000	0.00	0.000
4-5-P	92	90	22.62	2331.00	18.99	544.50	0.000000	0.00	0.000
4-6-P	92	90	22.62	2331.00	23.54	544.50	0.000000	0.00	0.000
4-7-P	92	90	22.62	2331.00	28.09	544.50	0.000000	0.00	0.000
4-8-P	92	90	22.62	2331.00	31.96	544.50	0.000000	0.00	0.000
4-9-P	92	90	22.62	2331.00	35.38	544.50	0.000000	0.00	0.000
4-10-P	92	90	22.62	2331.00	38.24	544.50	0.000000	0.00	0.000
4-11-P	92	90	22.62	2331.00	38.90	544.50	0.000000	0.00	0.000
4-12-P	92	90	22.62	2331.00	39.55	544.50	0.000000	0.00	0.000
4-13-P	92	90	22.62	2331.00	38.46	544.50	0.000000	0.00	0.000
4-14-P	92	90	22.62	2331.00	36.93	544.50	0.000000	0.00	0.000
4-15-P	92	90	22.62	2331.00	35.69	544.50	0.000000	0.00	0.000
4-16-P	92	90	22.62	2331.00	34.89	544.50	0.000000	0.00	0.000
4-17-P	92	90	22.62	2331.00	34.09	544.50	0.000000	0.00	0.000
4-18-P	92	90	22.62	2331.00	33.97	544.50	0.000000	0.00	0.000
4-19-P	92	90	22.62	2331.00	33.84	544.50	0.000000	0.00	0.000
4-20-P	92	90	22.62	2331.00	34.34	544.50	0.000000	0.00	0.000
4-21-P	92	90	22.62	2331.00	35.27	544.50	0.000000	0.00	0.000
4-22-P	92	90	22.62	2331.00	35.90	544.50	0.000000	0.00	0.000
4-23-P	92	90	22.62	2331.00	35.39	544.50	0.000000	0.00	0.000
4-24-P	92	90	22.62	2331.00	34.88	544.50	0.000000	0.00	0.000
4-25-P	92	90	22.62	2331.00	33.24	544.50	0.000000	0.00	0.000
4-26-P	92	90	22.62	2331.00	31.31	544.50	0.000000	0.00	0.000
4-27-P	92	90	22.62	2331.00	29.85	544.50	0.000000	0.00	0.000
4-28-P	92	90	22.62	2331.00	29.07	544.50	0.000000	0.00	0.000
4-29-P	92	90	22.62	2331.00	28.30	544.50	0.000000	0.00	0.000
4-30-P	92	90	22.62	2331.00	28.40	544.50	0.000000	0.00	0.000
4-31-P	92	90	22.62	2331.00	28.50	544.50	0.000000	0.00	0.000
4-32-P	92	90	22.62	2331.00	29.29	544.50	0.000000	0.00	0.000
4-33-P	92	90	22.62	2331.00	30.54	544.50	0.000000	0.00	0.000
4-34-P	92	90	22.62	2331.00	31.51	544.50	0.000000	0.00	0.000
4-35-P	92	90	22.62	2331.00	31.35	544.50	0.000000	0.00	0.000
4-36-P	92	90	22.62	2331.00	31.20	544.50	0.000000	0.00	0.000
4-37-P	92	90	22.62	2331.00	29.91	544.50	0.000000	0.00	0.000
4-38-P	92	90	22.62	2331.00	28.35	544.50	0.000000	0.00	0.000
4-39-P	92	90	22.62	2331.00	27.23	544.50	0.000000	0.00	0.000
4-40-P	92	90	22.62	2331.00	26.80	544.50	0.000000	0.00	0.000
4-41-P	92	90	22.62	2331.00	26.37	544.50	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
4-42-P	92	90	22.62	2331.00	26.80	544.50	0.000000	0.00	0.000
4-43-P	92	90	22.62	2331.00	27.23	544.50	0.000000	0.00	0.000
4-44-P	92	90	22.62	2331.00	28.35	544.50	0.000000	0.00	0.000
4-45-P	92	90	22.62	2331.00	29.91	544.50	0.000000	0.00	0.000
4-46-P	92	90	22.62	2331.00	31.20	544.50	0.000000	0.00	0.000
4-47-P	92	90	22.62	2331.00	31.35	544.50	0.000000	0.00	0.000
4-48-P	92	90	22.62	2331.00	31.51	544.50	0.000000	0.00	0.000
4-49-P	92	90	22.62	2331.00	30.54	544.50	0.000000	0.00	0.000
4-50-P	92	90	22.62	2331.00	29.29	544.50	0.000000	0.00	0.000
4-51-P	92	90	22.62	2331.00	28.50	544.50	0.000000	0.00	0.000
4-52-P	92	90	22.62	2331.00	28.40	544.50	0.000000	0.00	0.000
4-53-P	92	90	22.62	2331.00	28.30	544.50	0.000000	0.00	0.000
4-54-P	92	90	22.62	2331.00	29.07	544.50	0.000000	0.00	0.000
4-55-P	92	90	22.62	2331.00	29.85	544.50	0.000000	0.00	0.000
4-56-P	92	90	22.62	2331.00	31.31	544.50	0.000000	0.00	0.000
4-57-P	92	90	22.62	2331.00	33.24	544.50	0.000000	0.00	0.000
4-58-P	92	90	22.62	2331.00	34.88	544.50	0.000000	0.00	0.000
4-59-P	92	90	22.62	2331.00	35.39	544.50	0.000000	0.00	0.000
4-60-P	92	90	22.62	2331.00	35.90	544.50	0.000000	0.00	0.000
4-61-P	92	90	22.62	2331.00	35.27	544.50	0.000000	0.00	0.000
4-62-P	92	90	22.62	2331.00	34.34	544.50	0.000000	0.00	0.000
4-63-P	92	90	22.62	2331.00	33.84	544.50	0.000000	0.00	0.000
4-64-P	92	90	22.62	2331.00	33.97	544.50	0.000000	0.00	0.000
4-65-P	92	90	22.62	2331.00	34.09	544.50	0.000000	0.00	0.000
4-66-P	92	90	22.62	2331.00	34.89	544.50	0.000000	0.00	0.000
4-67-P	92	90	22.62	2331.00	35.69	544.50	0.000000	0.00	0.000
4-68-P	92	90	22.62	2331.00	36.93	544.50	0.000000	0.00	0.000
4-69-P	92	90	22.62	2331.00	38.46	544.50	0.000000	0.00	0.000
4-70-P	92	90	22.62	2331.00	39.55	544.50	0.000000	0.00	0.000
4-71-P	92	90	22.62	2331.00	38.90	544.50	0.000000	0.00	0.000
4-72-P	92	90	22.62	2331.00	38.24	544.50	0.000000	0.00	0.000
4-73-P	92	90	22.62	2331.00	35.38	544.50	0.000000	0.00	0.000
4-74-P	92	90	22.62	2331.00	31.96	544.50	0.000000	0.00	0.000
4-75-P	92	90	22.62	2331.00	28.09	544.50	0.000000	0.00	0.000
4-76-P	92	90	22.62	2331.00	23.54	544.50	0.000000	0.00	0.000
4-77-P	92	90	22.62	2331.00	18.99	544.50	0.000000	0.00	0.000
4-78-P	92	90	22.62	2331.00	13.21	544.50	0.000000	0.00	0.000
4-79-P	92	90	22.62	2331.00	7.42	544.50	0.000000	0.00	0.000
4-80-P	92	90	22.62	2331.00	3.83	-544.50	0.000000	0.00	0.000
4-81-P	92	90	22.62	2331.00	-1.46	-544.50	0.000000	0.00	0.000
5-1-P	92	90	22.62	2331.00	3.16	-544.50	0.000000	0.00	0.000
5-2-P	92	90	22.62	2331.00	-4.27	-544.50	0.000000	0.00	0.000
5-3-P	92	90	22.62	2331.00	-11.86	-544.50	0.000000	0.00	0.000
5-4-P	92	90	22.62	2331.00	-19.61	-544.50	0.000000	0.00	0.000
5-5-P	92	90	22.62	2331.00	-32.55	-544.50	0.000000	0.00	0.000
5-6-P	92	90	22.62	2331.00	-16.90	-544.50	0.000000	0.00	0.000
5-7-P	92	90	22.62	2331.00	16.69	-544.50	0.000000	0.00	0.000
5-8-P	92	90	22.62	2331.00	26.00	544.50	0.000000	0.00	0.000
5-9-P	92	90	22.62	2331.00	39.87	544.50	0.000000	0.00	0.000
5-10-P	92	90	22.62	2331.00	51.22	544.50	0.000000	0.00	0.000
5-11-P	92	90	22.62	2331.00	52.48	544.50	0.000000	0.00	0.000
5-12-P	92	90	22.62	2331.00	53.75	544.50	0.000000	0.00	0.000
5-13-P	92	90	22.62	2331.00	45.44	544.50	0.000000	0.00	0.000
5-14-P	92	90	22.62	2331.00	34.73	544.50	0.000000	0.00	0.000
5-15-P	92	90	22.62	2331.00	23.23	544.50	0.000000	0.00	0.000
5-16-P	92	90	22.62	2331.00	17.74	-544.50	0.000000	0.00	0.000
5-17-P	92	90	22.62	2331.00	-22.68	-544.50	0.000000	0.00	0.000
5-18-P	92	90	22.62	2331.00	18.60	-544.50	0.000000	0.00	0.000
5-19-P	92	90	22.62	2331.00	23.38	-544.50	0.000000	0.00	0.000
5-20-P	92	90	22.62	2331.00	33.83	544.50	0.000000	0.00	0.000
5-21-P	92	90	22.62	2331.00	44.53	544.50	0.000000	0.00	0.000
5-22-P	92	90	22.62	2331.00	53.00	544.50	0.000000	0.00	0.000
5-23-P	92	90	22.62	2331.00	52.50	544.50	0.000000	0.00	0.000
5-24-P	92	90	22.62	2331.00	51.99	544.50	0.000000	0.00	0.000
5-25-P	92	90	22.62	2331.00	42.56	544.50	0.000000	0.00	0.000
5-26-P	92	90	22.62	2331.00	30.91	544.50	0.000000	0.00	0.000
5-27-P	92	90	22.62	2331.00	18.70	-544.50	0.000000	0.00	0.000
5-28-P	92	90	22.62	2331.00	14.47	-544.50	0.000000	0.00	0.000
5-29-P	92	90	22.62	2331.00	-24.53	-544.50	0.000000	0.00	0.000
5-30-P	92	90	22.62	2331.00	14.43	-544.50	0.000000	0.00	0.000
5-31-P	92	90	22.62	2331.00	17.86	-544.50	0.000000	0.00	0.000
5-32-P	92	90	22.62	2331.00	28.56	544.50	0.000000	0.00	0.000
5-33-P	92	90	22.62	2331.00	39.46	544.50	0.000000	0.00	0.000
5-34-P	92	90	22.62	2331.00	48.14	544.50	0.000000	0.00	0.000
5-35-P	92	90	22.62	2331.00	47.94	544.50	0.000000	0.00	0.000
5-36-P	92	90	22.62	2331.00	47.74	544.50	0.000000	0.00	0.000
5-37-P	92	90	22.62	2331.00	38.67	544.50	0.000000	0.00	0.000
5-38-P	92	90	22.62	2331.00	27.38	544.50	0.000000	0.00	0.000
5-39-P	92	90	22.62	2331.00	16.06	-544.50	0.000000	0.00	0.000
5-40-P	92	90	22.62	2331.00	12.99	-544.50	0.000000	0.00	0.000
5-41-P	92	90	22.62	2331.00	-25.58	-544.50	0.000000	0.00	0.000
5-42-P	92	90	22.62	2331.00	12.99	-544.50	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
5-43-P	92	90	22.62	2331.00	16.06	-544.50	0.000000	0.00	0.000
5-44-P	92	90	22.62	2331.00	27.38	544.50	0.000000	0.00	0.000
5-45-P	92	90	22.62	2331.00	38.67	544.50	0.000000	0.00	0.000
5-46-P	92	90	22.62	2331.00	47.74	544.50	0.000000	0.00	0.000
5-47-P	92	90	22.62	2331.00	47.94	544.50	0.000000	0.00	0.000
5-48-P	92	90	22.62	2331.00	48.14	544.50	0.000000	0.00	0.000
5-49-P	92	90	22.62	2331.00	39.46	544.50	0.000000	0.00	0.000
5-50-P	92	90	22.62	2331.00	28.56	544.50	0.000000	0.00	0.000
5-51-P	92	90	22.62	2331.00	17.86	-544.50	0.000000	0.00	0.000
5-52-P	92	90	22.62	2331.00	14.43	-544.50	0.000000	0.00	0.000
5-53-P	92	90	22.62	2331.00	-24.53	-544.50	0.000000	0.00	0.000
5-54-P	92	90	22.62	2331.00	14.47	-544.50	0.000000	0.00	0.000
5-55-P	92	90	22.62	2331.00	18.70	-544.50	0.000000	0.00	0.000
5-56-P	92	90	22.62	2331.00	30.91	544.50	0.000000	0.00	0.000
5-57-P	92	90	22.62	2331.00	42.56	544.50	0.000000	0.00	0.000
5-58-P	92	90	22.62	2331.00	51.99	544.50	0.000000	0.00	0.000
5-59-P	92	90	22.62	2331.00	52.50	544.50	0.000000	0.00	0.000
5-60-P	92	90	22.62	2331.00	53.00	544.50	0.000000	0.00	0.000
5-61-P	92	90	22.62	2331.00	44.53	544.50	0.000000	0.00	0.000
5-62-P	92	90	22.62	2331.00	33.83	544.50	0.000000	0.00	0.000
5-63-P	92	90	22.62	2331.00	23.38	-544.50	0.000000	0.00	0.000
5-64-P	92	90	22.62	2331.00	18.60	-544.50	0.000000	0.00	0.000
5-65-P	92	90	22.62	2331.00	-22.68	-544.50	0.000000	0.00	0.000
5-66-P	92	90	22.62	2331.00	17.74	-544.50	0.000000	0.00	0.000
5-67-P	92	90	22.62	2331.00	23.23	544.50	0.000000	0.00	0.000
5-68-P	92	90	22.62	2331.00	34.73	544.50	0.000000	0.00	0.000
5-69-P	92	90	22.62	2331.00	45.44	544.50	0.000000	0.00	0.000
5-70-P	92	90	22.62	2331.00	53.75	544.50	0.000000	0.00	0.000
5-71-P	92	90	22.62	2331.00	52.48	544.50	0.000000	0.00	0.000
5-72-P	92	90	22.62	2331.00	51.22	544.50	0.000000	0.00	0.000
5-73-P	92	90	22.62	2331.00	39.87	544.50	0.000000	0.00	0.000
5-74-P	92	90	22.62	2331.00	26.00	544.50	0.000000	0.00	0.000
5-75-P	92	90	22.62	2331.00	16.69	-544.50	0.000000	0.00	0.000
5-76-P	92	90	22.62	2331.00	-16.90	-544.50	0.000000	0.00	0.000
5-77-P	92	90	22.62	2331.00	-32.55	-544.50	0.000000	0.00	0.000
5-78-P	92	90	22.62	2331.00	-19.61	-544.50	0.000000	0.00	0.000
5-79-P	92	90	22.62	2331.00	-11.86	-544.50	0.000000	0.00	0.000
5-80-P	92	90	22.62	2331.00	-4.27	-544.50	0.000000	0.00	0.000
5-81-P	92	90	22.62	2331.00	3.16	-544.50	0.000000	0.00	0.000
6-1-P	92	90	22.62	2330.98	-5.89	-544.49	0.000000	0.00	0.000
6-2-P	92	90	22.62	2330.98	-14.16	-544.49	0.000000	0.00	0.000
6-3-P	92	90	22.62	2330.98	-25.36	-544.49	0.000000	0.00	0.000
6-4-P	92	90	22.62	2330.98	-69.60	-544.49	0.000000	0.00	0.000
6-5-P	92	90	22.62	2330.98	-115.80	-544.49	0.000000	0.00	0.000
6-6-P	92	90	22.62	2330.98	-64.45	-544.49	0.000000	0.00	0.000
6-7-P	92	90	22.62	2330.98	-23.12	-544.49	0.000000	0.00	0.000
6-8-P	92	90	22.62	2330.98	22.96	-544.49	0.000000	0.00	0.000
6-9-P	92	90	22.62	2330.98	37.42	-544.49	0.000000	0.00	0.000
6-10-P	92	90	22.62	2330.98	52.53	544.49	0.000000	0.00	0.000
6-11-P	92	90	22.62	2330.98	54.06	544.49	0.000000	0.00	0.000
6-12-P	92	90	22.62	2330.98	55.59	544.49	0.000000	0.00	0.000
6-13-P	92	90	22.62	2330.98	43.51	544.49	0.000000	0.00	0.000
6-14-P	92	90	22.62	2330.98	28.02	544.49	0.000000	0.00	0.000
6-15-P	92	90	22.62	2330.98	-5.00	-544.49	0.000000	0.00	0.000
6-16-P	92	90	22.62	2330.98	-48.20	-544.49	0.000000	0.00	0.000
6-17-P	92	90	22.62	2330.98	-95.82	-544.49	0.000000	0.00	0.000
6-18-P	92	90	22.62	2330.98	-48.32	-544.49	0.000000	0.00	0.000
6-19-P	92	90	22.62	2330.98	-11.64	-544.49	0.000000	0.00	0.000
6-20-P	92	90	22.62	2330.98	28.07	-544.49	0.000000	0.00	0.000
6-21-P	92	90	22.62	2330.98	43.64	544.49	0.000000	0.00	0.000
6-22-P	92	90	22.62	2330.98	56.13	544.49	0.000000	0.00	0.000
6-23-P	92	90	22.62	2330.98	55.60	544.49	0.000000	0.00	0.000
6-24-P	92	90	22.62	2330.98	55.08	544.49	0.000000	0.00	0.000
6-25-P	92	90	22.62	2330.98	41.60	544.49	0.000000	0.00	0.000
6-26-P	92	90	22.62	2330.98	24.88	544.49	0.000000	0.00	0.000
6-27-P	92	90	22.62	2330.98	-9.72	-544.49	0.000000	0.00	0.000
6-28-P	92	90	22.62	2330.98	-52.94	-544.49	0.000000	0.00	0.000
6-29-P	92	90	22.62	2330.98	-101.16	-544.49	0.000000	0.00	0.000
6-30-P	92	90	22.62	2330.98	-53.84	-544.49	0.000000	0.00	0.000
6-31-P	92	90	22.62	2330.98	-13.16	-544.49	0.000000	0.00	0.000
6-32-P	92	90	22.62	2330.98	22.31	-544.49	0.000000	0.00	0.000
6-33-P	92	90	22.62	2330.98	38.06	544.49	0.000000	0.00	0.000
6-34-P	92	90	22.62	2330.98	50.70	544.49	0.000000	0.00	0.000
6-35-P	92	90	22.62	2330.98	50.46	544.49	0.000000	0.00	0.000
6-36-P	92	90	22.62	2330.98	50.22	544.49	0.000000	0.00	0.000
6-37-P	92	90	22.62	2330.98	37.11	544.49	0.000000	0.00	0.000
6-38-P	92	90	22.62	2330.98	20.80	-544.49	0.000000	0.00	0.000
6-39-P	92	90	22.62	2330.98	-13.67	-544.49	0.000000	0.00	0.000
6-40-P	92	90	22.62	2330.98	-56.19	-544.49	0.000000	0.00	0.000
6-41-P	92	90	22.62	2330.98	-103.97	-544.49	0.000000	0.00	0.000
6-42-P	92	90	22.62	2330.98	-56.19	-544.49	0.000000	0.00	0.000
6-43-P	92	90	22.62	2330.98	-13.67	-544.49	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
6-44-P	92	90	22.62	2330.98	20.80	-544.49	0.000000	0.00	0.000
6-45-P	92	90	22.62	2330.98	37.11	544.49	0.000000	0.00	0.000
6-46-P	92	90	22.62	2330.98	50.22	544.49	0.000000	0.00	0.000
6-47-P	92	90	22.62	2330.98	50.46	544.49	0.000000	0.00	0.000
6-48-P	92	90	22.62	2330.98	50.70	544.49	0.000000	0.00	0.000
6-49-P	92	90	22.62	2330.98	38.06	544.49	0.000000	0.00	0.000
6-50-P	92	90	22.62	2330.98	22.31	-544.49	0.000000	0.00	0.000
6-51-P	92	90	22.62	2330.98	-13.16	-544.49	0.000000	0.00	0.000
6-52-P	92	90	22.62	2330.98	-53.84	-544.49	0.000000	0.00	0.000
6-53-P	92	90	22.62	2330.98	-101.16	-544.49	0.000000	0.00	0.000
6-54-P	92	90	22.62	2330.98	-52.94	-544.49	0.000000	0.00	0.000
6-55-P	92	90	22.62	2330.98	-9.72	-544.49	0.000000	0.00	0.000
6-56-P	92	90	22.62	2330.98	24.88	544.49	0.000000	0.00	0.000
6-57-P	92	90	22.62	2330.98	41.60	544.49	0.000000	0.00	0.000
6-58-P	92	90	22.62	2330.98	55.08	544.49	0.000000	0.00	0.000
6-59-P	92	90	22.62	2330.98	55.60	544.49	0.000000	0.00	0.000
6-60-P	92	90	22.62	2330.98	56.13	544.49	0.000000	0.00	0.000
6-61-P	92	90	22.62	2330.98	43.64	544.49	0.000000	0.00	0.000
6-62-P	92	90	22.62	2330.98	28.07	-544.49	0.000000	0.00	0.000
6-63-P	92	90	22.62	2330.98	-11.64	-544.49	0.000000	0.00	0.000
6-64-P	92	90	22.62	2330.98	-48.32	-544.49	0.000000	0.00	0.000
6-65-P	92	90	22.62	2330.98	-95.82	-544.49	0.000000	0.00	0.000
6-66-P	92	90	22.62	2330.98	-48.20	-544.49	0.000000	0.00	0.000
6-67-P	92	90	22.62	2330.98	-5.00	-544.49	0.000000	0.00	0.000
6-68-P	92	90	22.62	2330.98	28.02	544.49	0.000000	0.00	0.000
6-69-P	92	90	22.62	2330.98	43.51	544.49	0.000000	0.00	0.000
6-70-P	92	90	22.62	2330.98	55.59	544.49	0.000000	0.00	0.000
6-71-P	92	90	22.62	2330.98	54.06	544.49	0.000000	0.00	0.000
6-72-P	92	90	22.62	2330.98	52.53	544.49	0.000000	0.00	0.000
6-73-P	92	90	22.62	2330.98	37.42	-544.49	0.000000	0.00	0.000
6-74-P	92	90	22.62	2330.98	22.96	-544.49	0.000000	0.00	0.000
6-75-P	92	90	22.62	2330.98	-23.12	-544.49	0.000000	0.00	0.000
6-76-P	92	90	22.62	2330.98	-64.45	-544.49	0.000000	0.00	0.000
6-77-P	92	90	22.62	2330.98	-115.80	-544.49	0.000000	0.00	0.000
6-78-P	92	90	22.62	2330.98	-69.60	-544.49	0.000000	0.00	0.000
6-79-P	92	90	22.62	2330.98	-25.36	-544.49	0.000000	0.00	0.000
6-80-P	92	90	22.62	2330.98	-14.16	-544.49	0.000000	0.00	0.000
6-81-P	92	90	22.62	2330.98	-5.89	-544.49	0.000000	0.00	0.000
7-1-S	100	90	22.62	2520.00	0.05	-582.15	0.000000	0.00	0.000
7-2-S	100	90	22.62	2520.00	-1.23	-582.15	0.000000	0.00	0.000
7-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
7-4-S	100	90	22.62	2520.00	-3.77	-582.15	0.000000	0.00	0.000
7-5-S	100	90	22.62	2520.00	38.67	582.15	0.000000	0.00	0.000
7-6-S	100	90	22.62	2520.00	67.34	582.15	0.000000	0.00	0.000
7-7-S	100	90	22.62	2520.00	96.00	582.15	0.000000	0.00	0.000
7-8-S	100	90	22.62	2520.00	116.80	582.15	0.000000	0.00	0.000
7-9-S	100	90	22.62	2520.00	133.33	582.15	0.000000	0.00	0.000
7-10-S	100	90	22.62	2520.00	145.54	582.15	0.000000	0.00	0.000
7-11-S	100	90	22.62	2520.00	147.41	582.15	0.000000	0.00	0.000
7-12-S	100	90	22.62	2520.00	149.29	-582.15	0.000000	0.00	0.000
7-13-S	100	90	22.62	2520.00	136.22	-582.15	0.000000	0.00	0.000
7-14-S	100	90	22.62	2520.00	122.37	-582.15	0.000000	0.00	0.000
7-15-S	100	90	22.62	2520.00	85.13	-582.15	0.000000	0.00	0.000
7-16-S	100	90	22.62	2520.00	33.90	-582.15	0.000000	0.00	0.000
7-17-S	100	90	22.62	2520.00	-26.37	-582.15	0.000000	0.00	0.000
7-18-S	100	90	22.62	2520.00	-23.02	-582.15	0.000000	0.00	0.000
7-19-S	100	90	22.62	2520.00	-15.03	-582.15	0.000000	0.00	0.000
7-20-S	100	90	22.62	2520.00	-2.83	-582.15	0.000000	0.00	0.000
8-1-S	100	90	22.62	2520.00	0.00	582.15	0.000000	0.00	0.000
8-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
8-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
8-4-S	100	90	22.62	2520.00	-3.76	-582.15	0.000000	0.00	0.000
8-5-S	100	90	22.62	2520.00	31.99	582.15	0.000000	0.00	0.000
8-6-S	100	90	22.62	2520.00	60.19	582.15	0.000000	0.00	0.000
8-7-S	100	90	22.62	2520.00	88.40	582.15	0.000000	0.00	0.000
8-8-S	100	90	22.62	2520.00	108.62	582.15	0.000000	0.00	0.000
8-9-S	100	90	22.62	2520.00	124.53	582.15	0.000000	0.00	0.000
8-10-S	100	90	22.62	2520.00	136.65	582.15	0.000000	0.00	0.000
8-11-S	100	90	22.62	2520.00	139.83	582.15	0.000000	0.00	0.000
8-12-S	100	90	22.62	2520.00	143.02	582.15	0.000000	0.00	0.000
8-13-S	100	90	22.62	2520.00	133.17	582.15	0.000000	0.00	0.000
8-14-S	100	90	22.62	2520.00	122.60	-582.15	0.000000	0.00	0.000
8-15-S	100	90	22.62	2520.00	87.61	-582.15	0.000000	0.00	0.000
8-16-S	100	90	22.62	2520.00	39.90	-582.15	0.000000	0.00	0.000
8-17-S	100	90	22.62	2520.00	-32.60	-582.15	0.000000	0.00	0.000
8-18-S	100	90	22.62	2520.00	-28.19	-582.15	0.000000	0.00	0.000
8-19-S	100	90	22.62	2520.00	-18.57	-582.15	0.000000	0.00	0.000
8-20-S	100	90	22.62	2520.00	-6.39	-582.15	0.000000	0.00	0.000
9-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
9-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
9-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
9-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000

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Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
9-5-S	100	90	22.62	2520.00	10.39	-582.15	0.000000	0.00	0.000
9-6-S	100	90	22.62	2520.00	41.76	582.15	0.000000	0.00	0.000
9-7-S	100	90	22.62	2520.00	73.50	582.15	0.000000	0.00	0.000
9-8-S	100	90	22.62	2520.00	95.40	582.15	0.000000	0.00	0.000
9-9-S	100	90	22.62	2520.00	111.95	582.15	0.000000	0.00	0.000
9-10-S	100	90	22.62	2520.00	123.69	582.15	0.000000	0.00	0.000
9-11-S	100	90	22.62	2520.00	124.02	582.15	0.000000	0.00	0.000
9-12-S	100	90	22.62	2520.00	124.35	582.15	0.000000	0.00	0.000
9-13-S	100	90	22.62	2520.00	112.25	582.15	0.000000	0.00	0.000
9-14-S	100	90	22.62	2520.00	99.43	582.15	0.000000	0.00	0.000
9-15-S	100	90	22.62	2520.00	82.42	582.15	0.000000	0.00	0.000
9-16-S	100	90	22.62	2520.00	62.56	582.15	0.000000	0.00	0.000
9-17-S	100	90	22.62	2520.00	42.94	582.15	0.000000	0.00	0.000
9-18-S	100	90	22.62	2520.00	24.10	582.15	0.000000	0.00	0.000
9-19-S	100	90	22.62	2520.00	11.57	582.15	0.000000	0.00	0.000
9-20-S	100	90	22.62	2520.00	3.01	-582.15	0.000000	0.00	0.000
10-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
10-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
10-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
10-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000
10-5-S	100	90	22.62	2520.00	-8.86	-582.15	0.000000	0.00	0.000
10-6-S	100	90	22.62	2520.00	26.10	582.15	0.000000	0.00	0.000
10-7-S	100	90	22.62	2520.00	60.78	582.15	0.000000	0.00	0.000
10-8-S	100	90	22.62	2520.00	85.86	582.15	0.000000	0.00	0.000
10-9-S	100	90	22.62	2520.00	105.74	582.15	0.000000	0.00	0.000
10-10-S	100	90	22.62	2520.00	121.53	582.15	0.000000	0.00	0.000
10-11-S	100	90	22.62	2520.00	127.68	582.15	0.000000	0.00	0.000
10-12-S	100	90	22.62	2520.00	133.83	582.15	0.000000	0.00	0.000
10-13-S	100	90	22.62	2520.00	125.77	582.15	0.000000	0.00	0.000
10-14-S	100	90	22.62	2520.00	116.90	582.15	0.000000	0.00	0.000
10-15-S	100	90	22.62	2520.00	83.01	-582.15	0.000000	0.00	0.000
10-16-S	100	90	22.62	2520.00	34.44	-582.15	0.000000	0.00	0.000
10-17-S	100	90	22.62	2520.00	-27.44	-582.15	0.000000	0.00	0.000
10-18-S	100	90	22.62	2520.00	-24.40	-582.15	0.000000	0.00	0.000
10-19-S	100	90	22.62	2520.00	-15.35	-582.15	0.000000	0.00	0.000
10-20-S	100	90	22.62	2520.00	-2.52	-582.15	0.000000	0.00	0.000
11-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
11-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
11-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
11-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000
11-5-S	100	90	22.62	2520.00	-23.20	-582.15	0.000000	0.00	0.000
11-6-S	100	90	22.62	2520.00	13.08	582.15	0.000000	0.00	0.000
11-7-S	100	90	22.62	2520.00	49.37	582.15	0.000000	0.00	0.000
11-8-S	100	90	22.62	2520.00	75.95	582.15	0.000000	0.00	0.000
11-9-S	100	90	22.62	2520.00	97.27	582.15	0.000000	0.00	0.000
11-10-S	100	90	22.62	2520.00	114.44	582.15	0.000000	0.00	0.000
11-11-S	100	90	22.62	2520.00	121.77	582.15	0.000000	0.00	0.000
11-12-S	100	90	22.62	2520.00	129.11	582.15	0.000000	0.00	0.000
11-13-S	100	90	22.62	2520.00	121.98	582.15	0.000000	0.00	0.000
11-14-S	100	90	22.62	2520.00	114.02	582.15	0.000000	0.00	0.000
11-15-S	100	90	22.62	2520.00	80.92	-582.15	0.000000	0.00	0.000
11-16-S	100	90	22.62	2520.00	35.37	-582.15	0.000000	0.00	0.000
11-17-S	100	90	22.62	2520.00	-30.07	-582.15	0.000000	0.00	0.000
11-18-S	100	90	22.62	2520.00	-25.78	-582.15	0.000000	0.00	0.000
11-19-S	100	90	22.62	2520.00	-16.43	-582.15	0.000000	0.00	0.000
11-20-S	100	90	22.62	2520.00	-4.14	-582.15	0.000000	0.00	0.000
12-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
12-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
12-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
12-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000
12-5-S	100	90	22.62	2520.00	-34.18	-582.15	0.000000	0.00	0.000
12-6-S	100	90	22.62	2520.00	3.14	-582.15	0.000000	0.00	0.000
12-7-S	100	90	22.62	2520.00	39.74	582.15	0.000000	0.00	0.000
12-8-S	100	90	22.62	2520.00	66.31	582.15	0.000000	0.00	0.000
12-9-S	100	90	22.62	2520.00	87.25	582.15	0.000000	0.00	0.000
12-10-S	100	90	22.62	2520.00	103.11	582.15	0.000000	0.00	0.000
12-11-S	100	90	22.62	2520.00	106.95	582.15	0.000000	0.00	0.000
12-12-S	100	90	22.62	2520.00	110.78	582.15	0.000000	0.00	0.000
12-13-S	100	90	22.62	2520.00	101.36	582.15	0.000000	0.00	0.000
12-14-S	100	90	22.62	2520.00	91.18	582.15	0.000000	0.00	0.000
12-15-S	100	90	22.62	2520.00	76.34	582.15	0.000000	0.00	0.000
12-16-S	100	90	22.62	2520.00	58.33	582.15	0.000000	0.00	0.000
12-17-S	100	90	22.62	2520.00	40.41	582.15	0.000000	0.00	0.000
12-18-S	100	90	22.62	2520.00	22.74	582.15	0.000000	0.00	0.000
12-19-S	100	90	22.62	2520.00	10.94	582.15	0.000000	0.00	0.000
12-20-S	100	90	22.62	2520.00	2.72	582.15	0.000000	0.00	0.000
13-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
13-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
13-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
13-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000
13-5-S	100	90	22.62	2520.00	-39.65	-582.15	0.000000	0.00	0.000
13-6-S	100	90	22.62	2520.00	-2.32	-582.15	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
13-7-S	100	90	22.62	2520.00	35.31	582.15	0.000000	0.00	0.000
13-8-S	100	90	22.62	2520.00	63.21	582.15	0.000000	0.00	0.000
13-9-S	100	90	22.62	2520.00	85.91	582.15	0.000000	0.00	0.000
13-10-S	100	90	22.62	2520.00	104.45	582.15	0.000000	0.00	0.000
13-11-S	100	90	22.62	2520.00	113.14	582.15	0.000000	0.00	0.000
13-12-S	100	90	22.62	2520.00	121.82	582.15	0.000000	0.00	0.000
13-13-S	100	90	22.62	2520.00	115.91	582.15	0.000000	0.00	0.000
13-14-S	100	90	22.62	2520.00	109.17	582.15	0.000000	0.00	0.000
13-15-S	100	90	22.62	2520.00	77.10	-582.15	0.000000	0.00	0.000
13-16-S	100	90	22.62	2520.00	31.40	-582.15	0.000000	0.00	0.000
13-17-S	100	90	22.62	2520.00	-29.67	-582.15	0.000000	0.00	0.000
13-18-S	100	90	22.62	2520.00	-25.40	-582.15	0.000000	0.00	0.000
13-19-S	100	90	22.62	2520.00	-15.81	-582.15	0.000000	0.00	0.000
13-20-S	100	90	22.62	2520.00	-2.79	-582.15	0.000000	0.00	0.000
14-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
14-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
14-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
14-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000
14-5-S	100	90	22.62	2520.00	-43.60	-582.15	0.000000	0.00	0.000
14-6-S	100	90	22.62	2520.00	-5.97	-582.15	0.000000	0.00	0.000
14-7-S	100	90	22.62	2520.00	31.67	582.15	0.000000	0.00	0.000
14-8-S	100	90	22.62	2520.00	59.79	582.15	0.000000	0.00	0.000
14-9-S	100	90	22.62	2520.00	82.75	582.15	0.000000	0.00	0.000
14-10-S	100	90	22.62	2520.00	101.56	582.15	0.000000	0.00	0.000
14-11-S	100	90	22.62	2520.00	110.56	582.15	0.000000	0.00	0.000
14-12-S	100	90	22.62	2520.00	119.56	582.15	0.000000	0.00	0.000
14-13-S	100	90	22.62	2520.00	113.99	582.15	0.000000	0.00	0.000
14-14-S	100	90	22.62	2520.00	107.58	582.15	0.000000	0.00	0.000
14-15-S	100	90	22.62	2520.00	75.86	-582.15	0.000000	0.00	0.000
14-16-S	100	90	22.62	2520.00	31.45	-582.15	0.000000	0.00	0.000
14-17-S	100	90	22.62	2520.00	-30.69	-582.15	0.000000	0.00	0.000
14-18-S	100	90	22.62	2520.00	-25.94	-582.15	0.000000	0.00	0.000
14-19-S	100	90	22.62	2520.00	-16.27	-582.15	0.000000	0.00	0.000
14-20-S	100	90	22.62	2520.00	-3.62	-582.15	0.000000	0.00	0.000
15-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
15-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
15-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
15-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000
15-5-S	100	90	22.62	2520.00	-46.79	-582.15	0.000000	0.00	0.000
15-6-S	100	90	22.62	2520.00	-9.25	-582.15	0.000000	0.00	0.000
15-7-S	100	90	22.62	2520.00	28.28	582.15	0.000000	0.00	0.000
15-8-S	100	90	22.62	2520.00	55.63	582.15	0.000000	0.00	0.000
15-9-S	100	90	22.62	2520.00	77.45	582.15	0.000000	0.00	0.000
15-10-S	100	90	22.62	2520.00	94.22	582.15	0.000000	0.00	0.000
15-11-S	100	90	22.62	2520.00	99.07	582.15	0.000000	0.00	0.000
15-12-S	100	90	22.62	2520.00	103.91	582.15	0.000000	0.00	0.000
15-13-S	100	90	22.62	2520.00	95.52	582.15	0.000000	0.00	0.000
15-14-S	100	90	22.62	2520.00	86.38	582.15	0.000000	0.00	0.000
15-15-S	100	90	22.62	2520.00	72.52	582.15	0.000000	0.00	0.000
15-16-S	100	90	22.62	2520.00	55.45	582.15	0.000000	0.00	0.000
15-17-S	100	90	22.62	2520.00	38.43	582.15	0.000000	0.00	0.000
15-18-S	100	90	22.62	2520.00	21.59	582.15	0.000000	0.00	0.000
15-19-S	100	90	22.62	2520.00	10.33	582.15	0.000000	0.00	0.000
15-20-S	100	90	22.62	2520.00	2.48	582.15	0.000000	0.00	0.000
16-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
16-2-S	100	90	27.14	2520.00	-1.25	-598.17	0.000000	0.00	0.000
16-3-S	100	90	27.14	2520.00	-2.50	-598.17	0.000000	0.00	0.000
16-4-S	100	90	27.14	2520.00	-3.75	-598.17	0.000000	0.00	0.000
16-5-S	100	90	27.14	2520.00	-46.80	-598.17	0.000000	0.00	0.000
16-6-S	100	90	27.14	2520.00	-9.11	-598.17	0.000000	0.00	0.000
16-7-S	100	90	27.14	2520.00	28.58	598.17	0.000000	0.00	0.000
16-8-S	100	90	27.14	2520.00	56.83	598.17	0.000000	0.00	0.000
16-9-S	100	90	27.14	2520.00	79.97	598.17	0.000000	0.00	0.000
16-10-S	100	90	27.14	2520.00	98.97	598.17	0.000000	0.00	0.000
16-11-S	100	90	27.14	2520.00	108.22	598.17	0.000000	0.00	0.000
16-12-S	100	90	27.14	2520.00	117.46	598.17	0.000000	0.00	0.000
16-13-S	100	90	27.14	2520.00	112.18	598.17	0.000000	0.00	0.000
16-14-S	100	90	27.14	2520.00	106.06	598.17	0.000000	0.00	0.000
16-15-S	100	90	27.14	2520.00	74.60	-598.17	0.000000	0.00	0.000
16-16-S	100	90	27.14	2520.00	30.33	-598.17	0.000000	0.00	0.000
16-17-S	100	90	27.14	2520.00	-30.74	-598.17	0.000000	0.00	0.000
16-18-S	100	90	27.14	2520.00	-25.97	-598.17	0.000000	0.00	0.000
16-19-S	100	90	27.14	2520.00	-16.20	-598.17	0.000000	0.00	0.000
16-20-S	100	90	27.14	2520.00	-3.34	-598.17	0.000000	0.00	0.000
17-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
17-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
17-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
17-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000
17-5-S	100	90	22.62	2520.00	-46.80	-582.15	0.000000	0.00	0.000
17-6-S	100	90	22.62	2520.00	-9.11	-582.15	0.000000	0.00	0.000
17-7-S	100	90	22.62	2520.00	28.58	582.15	0.000000	0.00	0.000
17-8-S	100	90	22.62	2520.00	56.83	582.15	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
17-9-S	100	90	22.62	2520.00	79.97	582.15	0.000000	0.00	0.000
17-10-S	100	90	22.62	2520.00	98.97	582.15	0.000000	0.00	0.000
17-11-S	100	90	22.62	2520.00	108.22	582.15	0.000000	0.00	0.000
17-12-S	100	90	22.62	2520.00	117.46	582.15	0.000000	0.00	0.000
17-13-S	100	90	22.62	2520.00	112.18	582.15	0.000000	0.00	0.000
17-14-S	100	90	22.62	2520.00	106.06	582.15	0.000000	0.00	0.000
17-15-S	100	90	22.62	2520.00	74.60	-582.15	0.000000	0.00	0.000
17-16-S	100	90	22.62	2520.00	30.33	-582.15	0.000000	0.00	0.000
17-17-S	100	90	22.62	2520.00	-30.74	-582.15	0.000000	0.00	0.000
17-18-S	100	90	22.62	2520.00	-25.97	-582.15	0.000000	0.00	0.000
17-19-S	100	90	22.62	2520.00	-16.20	-582.15	0.000000	0.00	0.000
17-20-S	100	90	22.62	2520.00	-3.34	-582.15	0.000000	0.00	0.000
18-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
18-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
18-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
18-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000
18-5-S	100	90	22.62	2520.00	-46.79	-582.15	0.000000	0.00	0.000
18-6-S	100	90	22.62	2520.00	-9.25	-582.15	0.000000	0.00	0.000
18-7-S	100	90	22.62	2520.00	28.28	582.15	0.000000	0.00	0.000
18-8-S	100	90	22.62	2520.00	55.63	582.15	0.000000	0.00	0.000
18-9-S	100	90	22.62	2520.00	77.45	582.15	0.000000	0.00	0.000
18-10-S	100	90	22.62	2520.00	94.22	582.15	0.000000	0.00	0.000
18-11-S	100	90	22.62	2520.00	99.07	582.15	0.000000	0.00	0.000
18-12-S	100	90	22.62	2520.00	103.91	582.15	0.000000	0.00	0.000
18-13-S	100	90	22.62	2520.00	95.52	582.15	0.000000	0.00	0.000
18-14-S	100	90	22.62	2520.00	86.38	582.15	0.000000	0.00	0.000
18-15-S	100	90	22.62	2520.00	72.52	582.15	0.000000	0.00	0.000
18-16-S	100	90	22.62	2520.00	55.45	582.15	0.000000	0.00	0.000
18-17-S	100	90	22.62	2520.00	38.43	582.15	0.000000	0.00	0.000
18-18-S	100	90	22.62	2520.00	21.59	582.15	0.000000	0.00	0.000
18-19-S	100	90	22.62	2520.00	10.33	582.15	0.000000	0.00	0.000
18-20-S	100	90	22.62	2520.00	2.48	582.15	0.000000	0.00	0.000
19-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
19-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
19-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
19-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000
19-5-S	100	90	22.62	2520.00	-43.60	-582.15	0.000000	0.00	0.000
19-6-S	100	90	22.62	2520.00	-5.97	-582.15	0.000000	0.00	0.000
19-7-S	100	90	22.62	2520.00	31.67	582.15	0.000000	0.00	0.000
19-8-S	100	90	22.62	2520.00	59.79	582.15	0.000000	0.00	0.000
19-9-S	100	90	22.62	2520.00	82.75	582.15	0.000000	0.00	0.000
19-10-S	100	90	22.62	2520.00	101.56	582.15	0.000000	0.00	0.000
19-11-S	100	90	22.62	2520.00	110.56	582.15	0.000000	0.00	0.000
19-12-S	100	90	22.62	2520.00	119.56	582.15	0.000000	0.00	0.000
19-13-S	100	90	22.62	2520.00	113.99	582.15	0.000000	0.00	0.000
19-14-S	100	90	22.62	2520.00	107.58	582.15	0.000000	0.00	0.000
19-15-S	100	90	22.62	2520.00	75.86	-582.15	0.000000	0.00	0.000
19-16-S	100	90	22.62	2520.00	31.45	-582.15	0.000000	0.00	0.000
19-17-S	100	90	22.62	2520.00	-30.69	-582.15	0.000000	0.00	0.000
19-18-S	100	90	22.62	2520.00	-25.94	-582.15	0.000000	0.00	0.000
19-19-S	100	90	22.62	2520.00	-16.27	-582.15	0.000000	0.00	0.000
19-20-S	100	90	22.62	2520.00	-3.62	-582.15	0.000000	0.00	0.000
20-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
20-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
20-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
20-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000
20-5-S	100	90	22.62	2520.00	-39.65	-582.15	0.000000	0.00	0.000
20-6-S	100	90	22.62	2520.00	-2.32	-582.15	0.000000	0.00	0.000
20-7-S	100	90	22.62	2520.00	35.31	582.15	0.000000	0.00	0.000
20-8-S	100	90	22.62	2520.00	63.21	582.15	0.000000	0.00	0.000
20-9-S	100	90	22.62	2520.00	85.91	582.15	0.000000	0.00	0.000
20-10-S	100	90	22.62	2520.00	104.45	582.15	0.000000	0.00	0.000
20-11-S	100	90	22.62	2520.00	113.14	582.15	0.000000	0.00	0.000
20-12-S	100	90	22.62	2520.00	121.82	582.15	0.000000	0.00	0.000
20-13-S	100	90	22.62	2520.00	115.91	582.15	0.000000	0.00	0.000
20-14-S	100	90	22.62	2520.00	109.17	582.15	0.000000	0.00	0.000
20-15-S	100	90	22.62	2520.00	77.10	-582.15	0.000000	0.00	0.000
20-16-S	100	90	22.62	2520.00	31.40	-582.15	0.000000	0.00	0.000
20-17-S	100	90	22.62	2520.00	-29.67	-582.15	0.000000	0.00	0.000
20-18-S	100	90	22.62	2520.00	-25.40	-582.15	0.000000	0.00	0.000
20-19-S	100	90	22.62	2520.00	-15.81	-582.15	0.000000	0.00	0.000
20-20-S	100	90	22.62	2520.00	-2.79	-582.15	0.000000	0.00	0.000
21-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
21-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
21-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
21-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000
21-5-S	100	90	22.62	2520.00	-34.18	-582.15	0.000000	0.00	0.000
21-6-S	100	90	22.62	2520.00	3.14	-582.15	0.000000	0.00	0.000
21-7-S	100	90	22.62	2520.00	39.74	582.15	0.000000	0.00	0.000
21-8-S	100	90	22.62	2520.00	66.31	582.15	0.000000	0.00	0.000
21-9-S	100	90	22.62	2520.00	87.25	582.15	0.000000	0.00	0.000
21-10-S	100	90	22.62	2520.00	103.11	582.15	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
21-11-S	100	90	22.62	2520.00	106.95	582.15	0.000000	0.00	0.000
21-12-S	100	90	22.62	2520.00	110.78	582.15	0.000000	0.00	0.000
21-13-S	100	90	22.62	2520.00	101.36	582.15	0.000000	0.00	0.000
21-14-S	100	90	22.62	2520.00	91.18	582.15	0.000000	0.00	0.000
21-15-S	100	90	22.62	2520.00	76.34	582.15	0.000000	0.00	0.000
21-16-S	100	90	22.62	2520.00	58.33	582.15	0.000000	0.00	0.000
21-17-S	100	90	22.62	2520.00	40.41	582.15	0.000000	0.00	0.000
21-18-S	100	90	22.62	2520.00	22.74	582.15	0.000000	0.00	0.000
21-19-S	100	90	22.62	2520.00	10.94	582.15	0.000000	0.00	0.000
21-20-S	100	90	22.62	2520.00	2.72	582.15	0.000000	0.00	0.000
22-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
22-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
22-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
22-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000
22-5-S	100	90	22.62	2520.00	-23.20	-582.15	0.000000	0.00	0.000
22-6-S	100	90	22.62	2520.00	13.08	582.15	0.000000	0.00	0.000
22-7-S	100	90	22.62	2520.00	49.37	582.15	0.000000	0.00	0.000
22-8-S	100	90	22.62	2520.00	75.95	582.15	0.000000	0.00	0.000
22-9-S	100	90	22.62	2520.00	97.27	582.15	0.000000	0.00	0.000
22-10-S	100	90	22.62	2520.00	114.44	582.15	0.000000	0.00	0.000
22-11-S	100	90	22.62	2520.00	121.77	582.15	0.000000	0.00	0.000
22-12-S	100	90	22.62	2520.00	129.11	582.15	0.000000	0.00	0.000
22-13-S	100	90	22.62	2520.00	121.98	582.15	0.000000	0.00	0.000
22-14-S	100	90	22.62	2520.00	114.02	582.15	0.000000	0.00	0.000
22-15-S	100	90	22.62	2520.00	80.92	-582.15	0.000000	0.00	0.000
22-16-S	100	90	22.62	2520.00	35.37	-582.15	0.000000	0.00	0.000
22-17-S	100	90	22.62	2520.00	-30.07	-582.15	0.000000	0.00	0.000
22-18-S	100	90	22.62	2520.00	-25.78	-582.15	0.000000	0.00	0.000
22-19-S	100	90	22.62	2520.00	-16.43	-582.15	0.000000	0.00	0.000
22-20-S	100	90	22.62	2520.00	-4.14	-582.15	0.000000	0.00	0.000
23-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
23-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
23-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
23-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000
23-5-S	100	90	22.62	2520.00	-8.86	-582.15	0.000000	0.00	0.000
23-6-S	100	90	22.62	2520.00	26.10	582.15	0.000000	0.00	0.000
23-7-S	100	90	22.62	2520.00	60.78	582.15	0.000000	0.00	0.000
23-8-S	100	90	22.62	2520.00	85.86	582.15	0.000000	0.00	0.000
23-9-S	100	90	22.62	2520.00	105.74	582.15	0.000000	0.00	0.000
23-10-S	100	90	22.62	2520.00	121.53	582.15	0.000000	0.00	0.000
23-11-S	100	90	22.62	2520.00	127.68	582.15	0.000000	0.00	0.000
23-12-S	100	90	22.62	2520.00	133.83	582.15	0.000000	0.00	0.000
23-13-S	100	90	22.62	2520.00	125.77	582.15	0.000000	0.00	0.000
23-14-S	100	90	22.62	2520.00	116.90	582.15	0.000000	0.00	0.000
23-15-S	100	90	22.62	2520.00	83.01	-582.15	0.000000	0.00	0.000
23-16-S	100	90	22.62	2520.00	34.44	-582.15	0.000000	0.00	0.000
23-17-S	100	90	22.62	2520.00	-27.44	-582.15	0.000000	0.00	0.000
23-18-S	100	90	22.62	2520.00	-24.40	-582.15	0.000000	0.00	0.000
23-19-S	100	90	22.62	2520.00	-15.35	-582.15	0.000000	0.00	0.000
23-20-S	100	90	22.62	2520.00	-2.52	-582.15	0.000000	0.00	0.000
24-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
24-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
24-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
24-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000
24-5-S	100	90	22.62	2520.00	10.39	-582.15	0.000000	0.00	0.000
24-6-S	100	90	22.62	2520.00	41.76	582.15	0.000000	0.00	0.000
24-7-S	100	90	22.62	2520.00	73.50	582.15	0.000000	0.00	0.000
24-8-S	100	90	22.62	2520.00	95.40	582.15	0.000000	0.00	0.000
24-9-S	100	90	22.62	2520.00	111.95	582.15	0.000000	0.00	0.000
24-10-S	100	90	22.62	2520.00	123.69	582.15	0.000000	0.00	0.000
24-11-S	100	90	22.62	2520.00	124.02	582.15	0.000000	0.00	0.000
24-12-S	100	90	22.62	2520.00	124.35	582.15	0.000000	0.00	0.000
24-13-S	100	90	22.62	2520.00	112.25	582.15	0.000000	0.00	0.000
24-14-S	100	90	22.62	2520.00	99.43	582.15	0.000000	0.00	0.000
24-15-S	100	90	22.62	2520.00	82.42	582.15	0.000000	0.00	0.000
24-16-S	100	90	22.62	2520.00	62.56	582.15	0.000000	0.00	0.000
24-17-S	100	90	22.62	2520.00	42.94	582.15	0.000000	0.00	0.000
24-18-S	100	90	22.62	2520.00	24.10	582.15	0.000000	0.00	0.000
24-19-S	100	90	22.62	2520.00	11.57	582.15	0.000000	0.00	0.000
24-20-S	100	90	22.62	2520.00	3.01	-582.15	0.000000	0.00	0.000
25-1-S	100	90	22.62	2520.00	0.00	582.15	0.000000	0.00	0.000
25-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
25-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
25-4-S	100	90	22.62	2520.00	-3.76	-582.15	0.000000	0.00	0.000
25-5-S	100	90	22.62	2520.00	31.99	582.15	0.000000	0.00	0.000
25-6-S	100	90	22.62	2520.00	60.19	582.15	0.000000	0.00	0.000
25-7-S	100	90	22.62	2520.00	88.40	582.15	0.000000	0.00	0.000
25-8-S	100	90	22.62	2520.00	108.62	582.15	0.000000	0.00	0.000
25-9-S	100	90	22.62	2520.00	124.53	582.15	0.000000	0.00	0.000
25-10-S	100	90	22.62	2520.00	136.65	582.15	0.000000	0.00	0.000
25-11-S	100	90	22.62	2520.00	139.83	582.15	0.000000	0.00	0.000
25-12-S	100	90	22.62	2520.00	143.02	582.15	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
25-13-S	100	90	22.62	2520.00	133.17	582.15	0.000000	0.00	0.000
25-14-S	100	90	22.62	2520.00	122.60	-582.15	0.000000	0.00	0.000
25-15-S	100	90	22.62	2520.00	87.61	-582.15	0.000000	0.00	0.000
25-16-S	100	90	22.62	2520.00	39.90	-582.15	0.000000	0.00	0.000
25-17-S	100	90	22.62	2520.00	-32.60	-582.15	0.000000	0.00	0.000
25-18-S	100	90	22.62	2520.00	-28.19	-582.15	0.000000	0.00	0.000
25-19-S	100	90	22.62	2520.00	-18.57	-582.15	0.000000	0.00	0.000
25-20-S	100	90	22.62	2520.00	-6.39	-582.15	0.000000	0.00	0.000
26-1-S	100	90	22.62	2520.00	0.05	-582.15	0.000000	0.00	0.000
26-2-S	100	90	22.62	2520.00	-1.23	-582.15	0.000000	0.00	0.000
26-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
26-4-S	100	90	22.62	2520.00	-3.77	-582.15	0.000000	0.00	0.000
26-5-S	100	90	22.62	2520.00	38.67	582.15	0.000000	0.00	0.000
26-6-S	100	90	22.62	2520.00	67.34	582.15	0.000000	0.00	0.000
26-7-S	100	90	22.62	2520.00	96.00	582.15	0.000000	0.00	0.000
26-8-S	100	90	22.62	2520.00	116.80	582.15	0.000000	0.00	0.000
26-9-S	100	90	22.62	2520.00	133.33	582.15	0.000000	0.00	0.000
26-10-S	100	90	22.62	2520.00	145.54	582.15	0.000000	0.00	0.000
26-11-S	100	90	22.62	2520.00	147.41	582.15	0.000000	0.00	0.000
26-12-S	100	90	22.62	2520.00	149.29	-582.15	0.000000	0.00	0.000
26-13-S	100	90	22.62	2520.00	136.22	-582.15	0.000000	0.00	0.000
26-14-S	100	90	22.62	2520.00	122.37	-582.15	0.000000	0.00	0.000
26-15-S	100	90	22.62	2520.00	85.13	-582.15	0.000000	0.00	0.000
26-16-S	100	90	22.62	2520.00	33.90	-582.15	0.000000	0.00	0.000
26-17-S	100	90	22.62	2520.00	-26.37	-582.15	0.000000	0.00	0.000
26-18-S	100	90	22.62	2520.00	-23.02	-582.15	0.000000	0.00	0.000
26-19-S	100	90	22.62	2520.00	-15.03	-582.15	0.000000	0.00	0.000
26-20-S	100	90	22.62	2520.00	-2.83	-582.15	0.000000	0.00	0.000

Pali in c.a.

Apertura limite fessure $w_{lim}=0.400$ mm

Ip	Is	Af [cmq]	Aeff [cmq]	Mpf [kNm]	M [kNm]	N [kN]	ε [%]	Sm [mm]	wm [mm]
1	1	22.81	554.14	293.04	-298.88	552.35	0.000000	0.00	0.00
2	1	22.81	473.92	324.91	-298.88	979.24	0.000000	0.00	0.00

Combinazioni SLEQ

Paramento

Apertura limite fessure $w_{lim}=0.20$

n°	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
1	100	30	18.10	1079.68	-0.45	-64.49	0.000000	0.00	0.000 (7)
2	100	31	18.10	1121.62	-0.40	-69.33	0.000000	0.00	0.000 (7)
3	100	32	18.10	1163.67	-0.29	-74.33	0.000000	0.00	0.000 (7)
4	100	33	18.10	1205.82	-0.11	-79.48	0.000000	0.00	0.000 (7)
5	100	34	22.62	1205.06	0.15	86.43	0.000000	0.00	0.000 (7)
6	100	35	22.62	1245.68	0.49	91.99	0.000000	0.00	0.000 (7)
7	100	36	22.62	1286.43	0.91	97.69	0.000000	0.00	0.000 (7)
8	100	37	22.62	1327.30	1.42	103.54	0.000000	0.00	0.000 (7)
9	100	38	22.62	1368.28	2.03	109.54	0.000000	0.00	0.000 (7)
10	100	39	22.62	1409.36	2.73	115.69	0.000000	0.00	0.000 (7)
11	100	40	22.62	1450.56	3.54	121.98	0.000000	0.00	0.000 (7)
12	100	41	22.62	1491.85	4.46	128.43	0.000000	0.00	0.000 (7)
13	100	42	22.62	1533.25	5.49	135.01	0.000000	0.00	0.000 (7)
14	100	44	22.62	1574.74	6.64	141.75	0.000000	0.00	0.000 (7)
15	100	45	22.62	1616.31	7.91	148.63	0.000000	0.00	0.000 (7)
16	100	46	22.62	1657.97	9.31	155.66	0.000000	0.00	0.000 (7)
17	100	47	22.62	1699.72	10.84	162.83	0.000000	0.00	0.000 (7)
18	100	48	22.62	1741.55	12.51	170.15	0.000000	0.00	0.000 (7)
19	100	49	22.62	1783.45	14.32	177.61	0.000000	0.00	0.000 (7)
20	100	50	22.62	1825.44	16.28	185.22	0.000000	0.00	0.000 (7)
21	100	51	22.62	1867.49	18.39	192.97	0.000000	0.00	0.000 (7)
22	100	52	22.62	1909.62	20.65	200.86	0.000000	0.00	0.000 (7)
23	100	53	22.62	1951.82	23.08	208.91	0.000000	0.00	0.000 (7)
24	100	54	22.62	1994.08	25.67	217.09	0.000000	0.00	0.000 (7)
25	100	55	22.62	2036.40	28.43	225.42	0.000000	0.00	0.000 (7)
26	100	56	22.62	2078.79	31.37	233.89	0.000000	0.00	0.000 (7)
27	100	57	22.62	2121.25	34.48	242.51	0.000000	0.00	0.000 (7)
28	100	58	22.62	2163.76	37.78	251.27	0.000000	0.00	0.000 (7)

RELAZIONE DI CALCOLO

n°	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
29	100	59	45.24	1965.93	41.27	290.77	0.000000	0.00	0.000 (7)
30	100	60	45.24	2004.77	44.96	300.67	0.000000	0.00	0.000 (7)
31	100	61	45.24	2043.69	48.84	310.72	0.000000	0.00	0.000 (7)
32	100	62	45.24	2082.70	52.93	320.91	0.000000	0.00	0.000 (7)
33	100	63	45.24	2121.79	57.23	331.26	0.000000	0.00	0.000 (7)
34	100	64	45.24	2160.95	61.74	341.75	0.000000	0.00	0.000 (7)
35	100	65	45.24	2133.71	66.46	338.60	0.000000	0.00	0.000 (7)
36	100	66	45.24	2172.43	71.41	349.01	0.000000	0.00	0.000 (7)
37	100	67	45.24	2211.24	76.59	359.57	0.000000	0.00	0.000 (7)
38	100	68	45.24	2250.12	82.00	370.27	0.000000	0.00	0.000 (7)
39	100	69	45.24	2289.09	87.65	381.13	0.000000	0.00	0.000 (7)
40	100	71	45.24	2328.13	93.54	392.11	0.000000	0.00	0.000 (7)
41	100	72	45.24	2367.24	99.67	403.26	0.000000	0.00	0.000 (7)
42	100	73	45.24	2406.43	106.06	414.53	0.000000	0.00	0.000 (7)
43	100	74	45.24	2445.69	112.70	425.97	0.000000	0.00	0.000 (7)
44	100	75	45.24	2480.92	119.61	436.37	0.000000	0.00	0.000 (7)

Piastra fondazione

Apertura limite fessure $w_{lim}=0.20$

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
1-1-P	55	90	18.10	1386.00	-0.23	-340.21	0.000000	0.00	0.000
1-2-P	55	90	18.10	1386.00	-0.24	-340.21	0.000000	0.00	0.000
1-3-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-4-P	55	90	18.10	1386.00	-0.27	-340.21	0.000000	0.00	0.000
1-5-P	55	90	18.10	1386.00	-0.30	-340.21	0.000000	0.00	0.000
1-6-P	55	90	18.10	1386.00	-0.30	-340.21	0.000000	0.00	0.000
1-7-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-8-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-9-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-10-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-11-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-12-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-13-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-14-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-15-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-16-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-17-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-18-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-19-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-20-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-21-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-22-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-23-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-24-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-25-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-26-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-27-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-28-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-29-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-30-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-31-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-32-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-33-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-34-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-35-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-36-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-37-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-38-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-39-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-40-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-41-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-42-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-43-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-44-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-45-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-46-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-47-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-48-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-49-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-50-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-51-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-52-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-53-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-54-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-55-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-56-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
1-57-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-58-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-59-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-60-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-61-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-62-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-63-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-64-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-65-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-66-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-67-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-68-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-69-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-70-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-71-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-72-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-73-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-74-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-75-P	55	90	18.10	1386.00	-0.31	-340.21	0.000000	0.00	0.000
1-76-P	55	90	18.10	1386.00	-0.30	-340.21	0.000000	0.00	0.000
1-77-P	55	90	18.10	1386.00	-0.30	-340.21	0.000000	0.00	0.000
1-78-P	55	90	18.10	1386.00	-0.27	-340.21	0.000000	0.00	0.000
1-79-P	55	90	18.10	1386.00	-0.26	-340.21	0.000000	0.00	0.000
1-80-P	55	90	18.10	1386.00	-0.24	-340.21	0.000000	0.00	0.000
1-81-P	55	90	18.10	1386.00	-0.23	-340.21	0.000000	0.00	0.000
3-1-P	93	90	22.62	2331.00	4.72	-544.50	0.000000	0.00	0.000
3-2-P	93	90	22.62	2331.00	7.36	-544.50	0.000000	0.00	0.000
3-3-P	93	90	22.62	2331.00	10.00	-544.50	0.000000	0.00	0.000
3-4-P	93	90	22.62	2331.00	13.23	-544.50	0.000000	0.00	0.000
3-5-P	93	90	22.62	2331.00	16.46	-544.50	0.000000	0.00	0.000
3-6-P	93	90	22.62	2331.00	17.73	-544.50	0.000000	0.00	0.000
3-7-P	93	90	22.62	2331.00	19.00	-544.50	0.000000	0.00	0.000
3-8-P	93	90	22.62	2331.00	19.55	-544.50	0.000000	0.00	0.000
3-9-P	93	90	22.62	2331.00	19.61	-544.50	0.000000	0.00	0.000
3-10-P	93	90	22.62	2331.00	19.52	-544.50	0.000000	0.00	0.000
3-11-P	93	90	22.62	2331.00	18.86	-544.50	0.000000	0.00	0.000
3-12-P	93	90	22.62	2331.00	18.22	-544.50	0.000000	0.00	0.000
3-13-P	93	90	22.62	2331.00	17.38	-544.50	0.000000	0.00	0.000
3-14-P	93	90	22.62	2331.00	16.49	-544.50	0.000000	0.00	0.000
3-15-P	93	90	22.62	2331.00	15.59	-544.50	0.000000	0.00	0.000
3-16-P	93	90	22.62	2331.00	14.76	-544.50	0.000000	0.00	0.000
3-17-P	93	90	22.62	2331.00	13.93	-544.50	0.000000	0.00	0.000
3-18-P	93	90	22.62	2331.00	13.34	-544.50	0.000000	0.00	0.000
3-19-P	93	90	22.62	2331.00	12.73	-544.50	0.000000	0.00	0.000
3-20-P	93	90	22.62	2331.00	12.25	-544.50	0.000000	0.00	0.000
3-21-P	93	90	22.62	2331.00	11.80	-544.50	0.000000	0.00	0.000
3-22-P	93	90	22.62	2331.00	11.39	-544.50	0.000000	0.00	0.000
3-23-P	93	90	22.62	2331.00	10.95	-544.50	0.000000	0.00	0.000
3-24-P	93	90	22.62	2331.00	10.54	-544.50	0.000000	0.00	0.000
3-25-P	93	90	22.62	2331.00	10.11	-544.50	0.000000	0.00	0.000
3-26-P	93	90	22.62	2331.00	9.66	-544.50	0.000000	0.00	0.000
3-27-P	93	90	22.62	2331.00	9.27	-544.50	0.000000	0.00	0.000
3-28-P	93	90	22.62	2331.00	8.96	-544.50	0.000000	0.00	0.000
3-29-P	93	90	22.62	2331.00	8.66	-544.50	0.000000	0.00	0.000
3-30-P	93	90	22.62	2331.00	8.55	-544.50	0.000000	0.00	0.000
3-31-P	93	90	22.62	2331.00	8.44	-544.50	0.000000	0.00	0.000
3-32-P	93	90	22.62	2331.00	8.38	-544.50	0.000000	0.00	0.000
3-33-P	93	90	22.62	2331.00	8.35	-544.50	0.000000	0.00	0.000
3-34-P	93	90	22.62	2331.00	8.30	-544.50	0.000000	0.00	0.000
3-35-P	93	90	22.62	2331.00	8.22	-544.50	0.000000	0.00	0.000
3-36-P	93	90	22.62	2331.00	8.13	-544.50	0.000000	0.00	0.000
3-37-P	93	90	22.62	2331.00	7.99	-544.50	0.000000	0.00	0.000
3-38-P	93	90	22.62	2331.00	7.83	-544.50	0.000000	0.00	0.000
3-39-P	93	90	22.62	2331.00	7.71	-544.50	0.000000	0.00	0.000
3-40-P	93	90	22.62	2331.00	7.63	-544.50	0.000000	0.00	0.000
3-41-P	93	90	22.62	2331.00	7.55	-544.50	0.000000	0.00	0.000
3-42-P	93	90	22.62	2331.00	7.63	-544.50	0.000000	0.00	0.000
3-43-P	93	90	22.62	2331.00	7.71	-544.50	0.000000	0.00	0.000
3-44-P	93	90	22.62	2331.00	7.83	-544.50	0.000000	0.00	0.000
3-45-P	93	90	22.62	2331.00	7.99	-544.50	0.000000	0.00	0.000
3-46-P	93	90	22.62	2331.00	8.13	-544.50	0.000000	0.00	0.000
3-47-P	93	90	22.62	2331.00	8.22	-544.50	0.000000	0.00	0.000
3-48-P	93	90	22.62	2331.00	8.30	-544.50	0.000000	0.00	0.000
3-49-P	93	90	22.62	2331.00	8.35	-544.50	0.000000	0.00	0.000
3-50-P	93	90	22.62	2331.00	8.38	-544.50	0.000000	0.00	0.000
3-51-P	93	90	22.62	2331.00	8.44	-544.50	0.000000	0.00	0.000
3-52-P	93	90	22.62	2331.00	8.55	-544.50	0.000000	0.00	0.000
3-53-P	93	90	22.62	2331.00	8.66	-544.50	0.000000	0.00	0.000
3-54-P	93	90	22.62	2331.00	8.96	-544.50	0.000000	0.00	0.000
3-55-P	93	90	22.62	2331.00	9.27	-544.50	0.000000	0.00	0.000
3-56-P	93	90	22.62	2331.00	9.66	-544.50	0.000000	0.00	0.000
3-57-P	93	90	22.62	2331.00	10.11	-544.50	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
3-58-P	93	90	22.62	2331.00	10.54	-544.50	0.000000	0.00	0.000
3-59-P	93	90	22.62	2331.00	10.95	-544.50	0.000000	0.00	0.000
3-60-P	93	90	22.62	2331.00	11.39	-544.50	0.000000	0.00	0.000
3-61-P	93	90	22.62	2331.00	11.80	-544.50	0.000000	0.00	0.000
3-62-P	93	90	22.62	2331.00	12.25	-544.50	0.000000	0.00	0.000
3-63-P	93	90	22.62	2331.00	12.73	-544.50	0.000000	0.00	0.000
3-64-P	93	90	22.62	2331.00	13.34	-544.50	0.000000	0.00	0.000
3-65-P	93	90	22.62	2331.00	13.93	-544.50	0.000000	0.00	0.000
3-66-P	93	90	22.62	2331.00	14.76	-544.50	0.000000	0.00	0.000
3-67-P	93	90	22.62	2331.00	15.59	-544.50	0.000000	0.00	0.000
3-68-P	93	90	22.62	2331.00	16.49	-544.50	0.000000	0.00	0.000
3-69-P	93	90	22.62	2331.00	17.38	-544.50	0.000000	0.00	0.000
3-70-P	93	90	22.62	2331.00	18.22	-544.50	0.000000	0.00	0.000
3-71-P	93	90	22.62	2331.00	18.86	-544.50	0.000000	0.00	0.000
3-72-P	93	90	22.62	2331.00	19.52	-544.50	0.000000	0.00	0.000
3-73-P	93	90	22.62	2331.00	19.61	-544.50	0.000000	0.00	0.000
3-74-P	93	90	22.62	2331.00	19.55	-544.50	0.000000	0.00	0.000
3-75-P	93	90	22.62	2331.00	19.00	-544.50	0.000000	0.00	0.000
3-76-P	93	90	22.62	2331.00	17.73	-544.50	0.000000	0.00	0.000
3-77-P	93	90	22.62	2331.00	16.46	-544.50	0.000000	0.00	0.000
3-78-P	93	90	22.62	2331.00	13.23	-544.50	0.000000	0.00	0.000
3-79-P	93	90	22.62	2331.00	10.00	-544.50	0.000000	0.00	0.000
3-80-P	93	90	22.62	2331.00	7.36	-544.50	0.000000	0.00	0.000
3-81-P	93	90	22.62	2331.00	4.72	-544.50	0.000000	0.00	0.000
4-1-P	92	90	22.62	2331.00	-1.46	-544.50	0.000000	0.00	0.000
4-2-P	92	90	22.62	2331.00	3.83	544.50	0.000000	0.00	0.000
4-3-P	92	90	22.62	2331.00	7.42	544.50	0.000000	0.00	0.000
4-4-P	92	90	22.62	2331.00	13.21	-544.50	0.000000	0.00	0.000
4-5-P	92	90	22.62	2331.00	18.99	-544.50	0.000000	0.00	0.000
4-6-P	92	90	22.62	2331.00	23.54	-544.50	0.000000	0.00	0.000
4-7-P	92	90	22.62	2331.00	28.09	-544.50	0.000000	0.00	0.000
4-8-P	92	90	22.62	2331.00	31.96	-544.50	0.000000	0.00	0.000
4-9-P	92	90	22.62	2331.00	35.38	-544.50	0.000000	0.00	0.000
4-10-P	92	90	22.62	2331.00	38.24	-544.50	0.000000	0.00	0.000
4-11-P	92	90	22.62	2331.00	38.90	-544.50	0.000000	0.00	0.000
4-12-P	92	90	22.62	2331.00	39.55	-544.50	0.000000	0.00	0.000
4-13-P	92	90	22.62	2331.00	38.46	-544.50	0.000000	0.00	0.000
4-14-P	92	90	22.62	2331.00	36.93	-544.50	0.000000	0.00	0.000
4-15-P	92	90	22.62	2331.00	35.69	-544.50	0.000000	0.00	0.000
4-16-P	92	90	22.62	2331.00	34.89	-544.50	0.000000	0.00	0.000
4-17-P	92	90	22.62	2331.00	34.09	-544.50	0.000000	0.00	0.000
4-18-P	92	90	22.62	2331.00	33.97	-544.50	0.000000	0.00	0.000
4-19-P	92	90	22.62	2331.00	33.84	-544.50	0.000000	0.00	0.000
4-20-P	92	90	22.62	2331.00	34.34	-544.50	0.000000	0.00	0.000
4-21-P	92	90	22.62	2331.00	35.27	-544.50	0.000000	0.00	0.000
4-22-P	92	90	22.62	2331.00	35.90	-544.50	0.000000	0.00	0.000
4-23-P	92	90	22.62	2331.00	35.39	-544.50	0.000000	0.00	0.000
4-24-P	92	90	22.62	2331.00	34.88	-544.50	0.000000	0.00	0.000
4-25-P	92	90	22.62	2331.00	33.24	-544.50	0.000000	0.00	0.000
4-26-P	92	90	22.62	2331.00	31.31	-544.50	0.000000	0.00	0.000
4-27-P	92	90	22.62	2331.00	29.85	-544.50	0.000000	0.00	0.000
4-28-P	92	90	22.62	2331.00	29.07	-544.50	0.000000	0.00	0.000
4-29-P	92	90	22.62	2331.00	28.30	-544.50	0.000000	0.00	0.000
4-30-P	92	90	22.62	2331.00	28.40	-544.50	0.000000	0.00	0.000
4-31-P	92	90	22.62	2331.00	28.50	-544.50	0.000000	0.00	0.000
4-32-P	92	90	22.62	2331.00	29.29	-544.50	0.000000	0.00	0.000
4-33-P	92	90	22.62	2331.00	30.54	-544.50	0.000000	0.00	0.000
4-34-P	92	90	22.62	2331.00	31.51	-544.50	0.000000	0.00	0.000
4-35-P	92	90	22.62	2331.00	31.35	-544.50	0.000000	0.00	0.000
4-36-P	92	90	22.62	2331.00	31.20	-544.50	0.000000	0.00	0.000
4-37-P	92	90	22.62	2331.00	29.91	-544.50	0.000000	0.00	0.000
4-38-P	92	90	22.62	2331.00	28.35	-544.50	0.000000	0.00	0.000
4-39-P	92	90	22.62	2331.00	27.23	-544.50	0.000000	0.00	0.000
4-40-P	92	90	22.62	2331.00	26.80	-544.50	0.000000	0.00	0.000
4-41-P	92	90	22.62	2331.00	26.37	-544.50	0.000000	0.00	0.000
4-42-P	92	90	22.62	2331.00	26.80	-544.50	0.000000	0.00	0.000
4-43-P	92	90	22.62	2331.00	27.23	-544.50	0.000000	0.00	0.000
4-44-P	92	90	22.62	2331.00	28.35	-544.50	0.000000	0.00	0.000
4-45-P	92	90	22.62	2331.00	29.91	-544.50	0.000000	0.00	0.000
4-46-P	92	90	22.62	2331.00	31.20	-544.50	0.000000	0.00	0.000
4-47-P	92	90	22.62	2331.00	31.35	-544.50	0.000000	0.00	0.000
4-48-P	92	90	22.62	2331.00	31.51	-544.50	0.000000	0.00	0.000
4-49-P	92	90	22.62	2331.00	30.54	-544.50	0.000000	0.00	0.000
4-50-P	92	90	22.62	2331.00	29.29	-544.50	0.000000	0.00	0.000
4-51-P	92	90	22.62	2331.00	28.50	-544.50	0.000000	0.00	0.000
4-52-P	92	90	22.62	2331.00	28.40	-544.50	0.000000	0.00	0.000
4-53-P	92	90	22.62	2331.00	28.30	-544.50	0.000000	0.00	0.000
4-54-P	92	90	22.62	2331.00	29.07	-544.50	0.000000	0.00	0.000
4-55-P	92	90	22.62	2331.00	29.85	-544.50	0.000000	0.00	0.000
4-56-P	92	90	22.62	2331.00	31.31	-544.50	0.000000	0.00	0.000
4-57-P	92	90	22.62	2331.00	33.24	-544.50	0.000000	0.00	0.000
4-58-P	92	90	22.62	2331.00	34.88	-544.50	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
4-59-P	92	90	22.62	2331.00	35.39	-544.50	0.000000	0.00	0.000
4-60-P	92	90	22.62	2331.00	35.90	-544.50	0.000000	0.00	0.000
4-61-P	92	90	22.62	2331.00	35.27	-544.50	0.000000	0.00	0.000
4-62-P	92	90	22.62	2331.00	34.34	-544.50	0.000000	0.00	0.000
4-63-P	92	90	22.62	2331.00	33.84	-544.50	0.000000	0.00	0.000
4-64-P	92	90	22.62	2331.00	33.97	-544.50	0.000000	0.00	0.000
4-65-P	92	90	22.62	2331.00	34.09	-544.50	0.000000	0.00	0.000
4-66-P	92	90	22.62	2331.00	34.89	-544.50	0.000000	0.00	0.000
4-67-P	92	90	22.62	2331.00	35.69	-544.50	0.000000	0.00	0.000
4-68-P	92	90	22.62	2331.00	36.93	-544.50	0.000000	0.00	0.000
4-69-P	92	90	22.62	2331.00	38.46	-544.50	0.000000	0.00	0.000
4-70-P	92	90	22.62	2331.00	39.55	-544.50	0.000000	0.00	0.000
4-71-P	92	90	22.62	2331.00	38.90	-544.50	0.000000	0.00	0.000
4-72-P	92	90	22.62	2331.00	38.24	-544.50	0.000000	0.00	0.000
4-73-P	92	90	22.62	2331.00	35.38	-544.50	0.000000	0.00	0.000
4-74-P	92	90	22.62	2331.00	31.96	-544.50	0.000000	0.00	0.000
4-75-P	92	90	22.62	2331.00	28.09	-544.50	0.000000	0.00	0.000
4-76-P	92	90	22.62	2331.00	23.54	-544.50	0.000000	0.00	0.000
4-77-P	92	90	22.62	2331.00	18.99	-544.50	0.000000	0.00	0.000
4-78-P	92	90	22.62	2331.00	13.21	-544.50	0.000000	0.00	0.000
4-79-P	92	90	22.62	2331.00	7.42	544.50	0.000000	0.00	0.000
4-80-P	92	90	22.62	2331.00	3.83	544.50	0.000000	0.00	0.000
4-81-P	92	90	22.62	2331.00	-1.46	-544.50	0.000000	0.00	0.000
5-1-P	92	90	22.62	2331.00	3.16	-544.50	0.000000	0.00	0.000
5-2-P	92	90	22.62	2331.00	-4.27	-544.50	0.000000	0.00	0.000
5-3-P	92	90	22.62	2331.00	-11.86	-544.50	0.000000	0.00	0.000
5-4-P	92	90	22.62	2331.00	-19.61	-544.50	0.000000	0.00	0.000
5-5-P	92	90	22.62	2331.00	-32.55	-544.50	0.000000	0.00	0.000
5-6-P	92	90	22.62	2331.00	-16.90	-544.50	0.000000	0.00	0.000
5-7-P	92	90	22.62	2331.00	16.69	-544.50	0.000000	0.00	0.000
5-8-P	92	90	22.62	2331.00	26.00	-544.50	0.000000	0.00	0.000
5-9-P	92	90	22.62	2331.00	39.87	544.50	0.000000	0.00	0.000
5-10-P	92	90	22.62	2331.00	51.22	544.50	0.000000	0.00	0.000
5-11-P	92	90	22.62	2331.00	52.48	544.50	0.000000	0.00	0.000
5-12-P	92	90	22.62	2331.00	53.75	544.50	0.000000	0.00	0.000
5-13-P	92	90	22.62	2331.00	45.44	544.50	0.000000	0.00	0.000
5-14-P	92	90	22.62	2331.00	34.73	544.50	0.000000	0.00	0.000
5-15-P	92	90	22.62	2331.00	23.23	544.50	0.000000	0.00	0.000
5-16-P	92	90	22.62	2331.00	17.74	-544.50	0.000000	0.00	0.000
5-17-P	92	90	22.62	2331.00	-22.68	-544.50	0.000000	0.00	0.000
5-18-P	92	90	22.62	2331.00	18.60	-544.50	0.000000	0.00	0.000
5-19-P	92	90	22.62	2331.00	23.38	-544.50	0.000000	0.00	0.000
5-20-P	92	90	22.62	2331.00	33.83	544.50	0.000000	0.00	0.000
5-21-P	92	90	22.62	2331.00	44.53	544.50	0.000000	0.00	0.000
5-22-P	92	90	22.62	2331.00	53.00	544.50	0.000000	0.00	0.000
5-23-P	92	90	22.62	2331.00	52.50	544.50	0.000000	0.00	0.000
5-24-P	92	90	22.62	2331.00	51.99	544.50	0.000000	0.00	0.000
5-25-P	92	90	22.62	2331.00	42.56	544.50	0.000000	0.00	0.000
5-26-P	92	90	22.62	2331.00	30.91	544.50	0.000000	0.00	0.000
5-27-P	92	90	22.62	2331.00	18.70	-544.50	0.000000	0.00	0.000
5-28-P	92	90	22.62	2331.00	14.47	-544.50	0.000000	0.00	0.000
5-29-P	92	90	22.62	2331.00	-24.53	-544.50	0.000000	0.00	0.000
5-30-P	92	90	22.62	2331.00	14.43	-544.50	0.000000	0.00	0.000
5-31-P	92	90	22.62	2331.00	17.86	-544.50	0.000000	0.00	0.000
5-32-P	92	90	22.62	2331.00	28.56	544.50	0.000000	0.00	0.000
5-33-P	92	90	22.62	2331.00	39.46	544.50	0.000000	0.00	0.000
5-34-P	92	90	22.62	2331.00	48.14	544.50	0.000000	0.00	0.000
5-35-P	92	90	22.62	2331.00	47.94	544.50	0.000000	0.00	0.000
5-36-P	92	90	22.62	2331.00	47.74	544.50	0.000000	0.00	0.000
5-37-P	92	90	22.62	2331.00	38.67	544.50	0.000000	0.00	0.000
5-38-P	92	90	22.62	2331.00	27.38	544.50	0.000000	0.00	0.000
5-39-P	92	90	22.62	2331.00	16.06	-544.50	0.000000	0.00	0.000
5-40-P	92	90	22.62	2331.00	12.99	-544.50	0.000000	0.00	0.000
5-41-P	92	90	22.62	2331.00	-25.58	-544.50	0.000000	0.00	0.000
5-42-P	92	90	22.62	2331.00	12.99	-544.50	0.000000	0.00	0.000
5-43-P	92	90	22.62	2331.00	16.06	-544.50	0.000000	0.00	0.000
5-44-P	92	90	22.62	2331.00	27.38	544.50	0.000000	0.00	0.000
5-45-P	92	90	22.62	2331.00	38.67	544.50	0.000000	0.00	0.000
5-46-P	92	90	22.62	2331.00	47.74	544.50	0.000000	0.00	0.000
5-47-P	92	90	22.62	2331.00	47.94	544.50	0.000000	0.00	0.000
5-48-P	92	90	22.62	2331.00	48.14	544.50	0.000000	0.00	0.000
5-49-P	92	90	22.62	2331.00	39.46	544.50	0.000000	0.00	0.000
5-50-P	92	90	22.62	2331.00	28.56	544.50	0.000000	0.00	0.000
5-51-P	92	90	22.62	2331.00	17.86	-544.50	0.000000	0.00	0.000
5-52-P	92	90	22.62	2331.00	14.43	-544.50	0.000000	0.00	0.000
5-53-P	92	90	22.62	2331.00	-24.53	-544.50	0.000000	0.00	0.000
5-54-P	92	90	22.62	2331.00	14.47	-544.50	0.000000	0.00	0.000
5-55-P	92	90	22.62	2331.00	18.70	-544.50	0.000000	0.00	0.000
5-56-P	92	90	22.62	2331.00	30.91	544.50	0.000000	0.00	0.000
5-57-P	92	90	22.62	2331.00	42.56	544.50	0.000000	0.00	0.000
5-58-P	92	90	22.62	2331.00	51.99	544.50	0.000000	0.00	0.000
5-59-P	92	90	22.62	2331.00	52.50	544.50	0.000000	0.00	0.000

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Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
5-60-P	92	90	22.62	2331.00	53.00	544.50	0.000000	0.00	0.000
5-61-P	92	90	22.62	2331.00	44.53	544.50	0.000000	0.00	0.000
5-62-P	92	90	22.62	2331.00	33.83	544.50	0.000000	0.00	0.000
5-63-P	92	90	22.62	2331.00	23.38	-544.50	0.000000	0.00	0.000
5-64-P	92	90	22.62	2331.00	18.60	-544.50	0.000000	0.00	0.000
5-65-P	92	90	22.62	2331.00	-22.68	-544.50	0.000000	0.00	0.000
5-66-P	92	90	22.62	2331.00	17.74	-544.50	0.000000	0.00	0.000
5-67-P	92	90	22.62	2331.00	23.23	544.50	0.000000	0.00	0.000
5-68-P	92	90	22.62	2331.00	34.73	544.50	0.000000	0.00	0.000
5-69-P	92	90	22.62	2331.00	45.44	544.50	0.000000	0.00	0.000
5-70-P	92	90	22.62	2331.00	53.75	544.50	0.000000	0.00	0.000
5-71-P	92	90	22.62	2331.00	52.48	544.50	0.000000	0.00	0.000
5-72-P	92	90	22.62	2331.00	51.22	544.50	0.000000	0.00	0.000
5-73-P	92	90	22.62	2331.00	39.87	544.50	0.000000	0.00	0.000
5-74-P	92	90	22.62	2331.00	26.00	-544.50	0.000000	0.00	0.000
5-75-P	92	90	22.62	2331.00	16.69	-544.50	0.000000	0.00	0.000
5-76-P	92	90	22.62	2331.00	-16.90	-544.50	0.000000	0.00	0.000
5-77-P	92	90	22.62	2331.00	-32.55	-544.50	0.000000	0.00	0.000
5-78-P	92	90	22.62	2331.00	-19.61	-544.50	0.000000	0.00	0.000
5-79-P	92	90	22.62	2331.00	-11.86	-544.50	0.000000	0.00	0.000
5-80-P	92	90	22.62	2331.00	-4.27	-544.50	0.000000	0.00	0.000
5-81-P	92	90	22.62	2331.00	3.16	-544.50	0.000000	0.00	0.000
6-1-P	92	90	22.62	2330.98	-5.89	-544.49	0.000000	0.00	0.000
6-2-P	92	90	22.62	2330.98	-14.16	-544.49	0.000000	0.00	0.000
6-3-P	92	90	22.62	2330.98	-25.36	-544.49	0.000000	0.00	0.000
6-4-P	92	90	22.62	2330.98	-69.60	-544.49	0.000000	0.00	0.000
6-5-P	92	90	22.62	2330.98	-115.80	-544.49	0.000000	0.00	0.000
6-6-P	92	90	22.62	2330.98	-64.45	-544.49	0.000000	0.00	0.000
6-7-P	92	90	22.62	2330.98	-23.12	-544.49	0.000000	0.00	0.000
6-8-P	92	90	22.62	2330.98	22.96	-544.49	0.000000	0.00	0.000
6-9-P	92	90	22.62	2330.98	37.42	544.49	0.000000	0.00	0.000
6-10-P	92	90	22.62	2330.98	52.53	544.49	0.000000	0.00	0.000
6-11-P	92	90	22.62	2330.98	54.06	544.49	0.000000	0.00	0.000
6-12-P	92	90	22.62	2330.98	55.59	544.49	0.000000	0.00	0.000
6-13-P	92	90	22.62	2330.98	43.51	544.49	0.000000	0.00	0.000
6-14-P	92	90	22.62	2330.98	28.02	544.49	0.000000	0.00	0.000
6-15-P	92	90	22.62	2330.98	-5.00	-544.49	0.000000	0.00	0.000
6-16-P	92	90	22.62	2330.98	-48.20	-544.49	0.000000	0.00	0.000
6-17-P	92	90	22.62	2330.98	-95.82	-544.49	0.000000	0.00	0.000
6-18-P	92	90	22.62	2330.98	-48.32	-544.49	0.000000	0.00	0.000
6-19-P	92	90	22.62	2330.98	-11.64	-544.49	0.000000	0.00	0.000
6-20-P	92	90	22.62	2330.98	28.07	-544.49	0.000000	0.00	0.000
6-21-P	92	90	22.62	2330.98	43.64	544.49	0.000000	0.00	0.000
6-22-P	92	90	22.62	2330.98	56.13	544.49	0.000000	0.00	0.000
6-23-P	92	90	22.62	2330.98	55.60	544.49	0.000000	0.00	0.000
6-24-P	92	90	22.62	2330.98	55.08	544.49	0.000000	0.00	0.000
6-25-P	92	90	22.62	2330.98	41.60	544.49	0.000000	0.00	0.000
6-26-P	92	90	22.62	2330.98	24.88	544.49	0.000000	0.00	0.000
6-27-P	92	90	22.62	2330.98	-9.72	-544.49	0.000000	0.00	0.000
6-28-P	92	90	22.62	2330.98	-52.94	-544.49	0.000000	0.00	0.000
6-29-P	92	90	22.62	2330.98	-101.16	-544.49	0.000000	0.00	0.000
6-30-P	92	90	22.62	2330.98	-53.84	-544.49	0.000000	0.00	0.000
6-31-P	92	90	22.62	2330.98	-13.16	-544.49	0.000000	0.00	0.000
6-32-P	92	90	22.62	2330.98	22.31	-544.49	0.000000	0.00	0.000
6-33-P	92	90	22.62	2330.98	38.06	544.49	0.000000	0.00	0.000
6-34-P	92	90	22.62	2330.98	50.70	544.49	0.000000	0.00	0.000
6-35-P	92	90	22.62	2330.98	50.46	544.49	0.000000	0.00	0.000
6-36-P	92	90	22.62	2330.98	50.22	544.49	0.000000	0.00	0.000
6-37-P	92	90	22.62	2330.98	37.11	544.49	0.000000	0.00	0.000
6-38-P	92	90	22.62	2330.98	20.80	-544.49	0.000000	0.00	0.000
6-39-P	92	90	22.62	2330.98	-13.67	-544.49	0.000000	0.00	0.000
6-40-P	92	90	22.62	2330.98	-56.19	-544.49	0.000000	0.00	0.000
6-41-P	92	90	22.62	2330.98	-103.97	-544.49	0.000000	0.00	0.000
6-42-P	92	90	22.62	2330.98	-56.19	-544.49	0.000000	0.00	0.000
6-43-P	92	90	22.62	2330.98	-13.67	-544.49	0.000000	0.00	0.000
6-44-P	92	90	22.62	2330.98	20.80	-544.49	0.000000	0.00	0.000
6-45-P	92	90	22.62	2330.98	37.11	544.49	0.000000	0.00	0.000
6-46-P	92	90	22.62	2330.98	50.22	544.49	0.000000	0.00	0.000
6-47-P	92	90	22.62	2330.98	50.46	544.49	0.000000	0.00	0.000
6-48-P	92	90	22.62	2330.98	50.70	544.49	0.000000	0.00	0.000
6-49-P	92	90	22.62	2330.98	38.06	544.49	0.000000	0.00	0.000
6-50-P	92	90	22.62	2330.98	22.31	-544.49	0.000000	0.00	0.000
6-51-P	92	90	22.62	2330.98	-13.16	-544.49	0.000000	0.00	0.000
6-52-P	92	90	22.62	2330.98	-53.84	-544.49	0.000000	0.00	0.000
6-53-P	92	90	22.62	2330.98	-101.16	-544.49	0.000000	0.00	0.000
6-54-P	92	90	22.62	2330.98	-52.94	-544.49	0.000000	0.00	0.000
6-55-P	92	90	22.62	2330.98	-9.72	-544.49	0.000000	0.00	0.000
6-56-P	92	90	22.62	2330.98	24.88	544.49	0.000000	0.00	0.000
6-57-P	92	90	22.62	2330.98	41.60	544.49	0.000000	0.00	0.000
6-58-P	92	90	22.62	2330.98	55.08	544.49	0.000000	0.00	0.000
6-59-P	92	90	22.62	2330.98	55.60	544.49	0.000000	0.00	0.000
6-60-P	92	90	22.62	2330.98	56.13	544.49	0.000000	0.00	0.000

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Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
6-61-P	92	90	22.62	2330.98	43.64	544.49	0.000000	0.00	0.000
6-62-P	92	90	22.62	2330.98	28.07	-544.49	0.000000	0.00	0.000
6-63-P	92	90	22.62	2330.98	-11.64	-544.49	0.000000	0.00	0.000
6-64-P	92	90	22.62	2330.98	-48.32	-544.49	0.000000	0.00	0.000
6-65-P	92	90	22.62	2330.98	-95.82	-544.49	0.000000	0.00	0.000
6-66-P	92	90	22.62	2330.98	-48.20	-544.49	0.000000	0.00	0.000
6-67-P	92	90	22.62	2330.98	-5.00	-544.49	0.000000	0.00	0.000
6-68-P	92	90	22.62	2330.98	28.02	544.49	0.000000	0.00	0.000
6-69-P	92	90	22.62	2330.98	43.51	544.49	0.000000	0.00	0.000
6-70-P	92	90	22.62	2330.98	55.59	544.49	0.000000	0.00	0.000
6-71-P	92	90	22.62	2330.98	54.06	544.49	0.000000	0.00	0.000
6-72-P	92	90	22.62	2330.98	52.53	544.49	0.000000	0.00	0.000
6-73-P	92	90	22.62	2330.98	37.42	544.49	0.000000	0.00	0.000
6-74-P	92	90	22.62	2330.98	22.96	-544.49	0.000000	0.00	0.000
6-75-P	92	90	22.62	2330.98	-23.12	-544.49	0.000000	0.00	0.000
6-76-P	92	90	22.62	2330.98	-64.45	-544.49	0.000000	0.00	0.000
6-77-P	92	90	22.62	2330.98	-115.80	-544.49	0.000000	0.00	0.000
6-78-P	92	90	22.62	2330.98	-69.60	-544.49	0.000000	0.00	0.000
6-79-P	92	90	22.62	2330.98	-25.36	-544.49	0.000000	0.00	0.000
6-80-P	92	90	22.62	2330.98	-14.16	-544.49	0.000000	0.00	0.000
6-81-P	92	90	22.62	2330.98	-5.89	-544.49	0.000000	0.00	0.000
7-1-S	100	90	22.62	2520.00	0.05	-582.15	0.000000	0.00	0.000
7-2-S	100	90	22.62	2520.00	-1.23	-582.15	0.000000	0.00	0.000
7-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
7-4-S	100	90	22.62	2520.00	-3.77	-582.15	0.000000	0.00	0.000
7-5-S	100	90	22.62	2520.00	38.67	-582.15	0.000000	0.00	0.000
7-6-S	100	90	22.62	2520.00	67.34	-582.15	0.000000	0.00	0.000
7-7-S	100	90	22.62	2520.00	96.00	-582.15	0.000000	0.00	0.000
7-8-S	100	90	22.62	2520.00	116.80	-582.15	0.000000	0.00	0.000
7-9-S	100	90	22.62	2520.00	133.33	582.15	0.000000	0.00	0.000
7-10-S	100	90	22.62	2520.00	145.54	582.15	0.000000	0.00	0.000
7-11-S	100	90	22.62	2520.00	147.41	-582.15	0.000000	0.00	0.000
7-12-S	100	90	22.62	2520.00	149.29	582.15	0.000000	0.00	0.000
7-13-S	100	90	22.62	2520.00	136.22	582.15	0.000000	0.00	0.000
7-14-S	100	90	22.62	2520.00	122.37	-582.15	0.000000	0.00	0.000
7-15-S	100	90	22.62	2520.00	85.13	-582.15	0.000000	0.00	0.000
7-16-S	100	90	22.62	2520.00	33.90	-582.15	0.000000	0.00	0.000
7-17-S	100	90	22.62	2520.00	-26.37	-582.15	0.000000	0.00	0.000
7-18-S	100	90	22.62	2520.00	-23.02	-582.15	0.000000	0.00	0.000
7-19-S	100	90	22.62	2520.00	-15.03	-582.15	0.000000	0.00	0.000
7-20-S	100	90	22.62	2520.00	-2.83	-582.15	0.000000	0.00	0.000
8-1-S	100	90	22.62	2520.00	0.00	582.15	0.000000	0.00	0.000
8-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
8-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
8-4-S	100	90	22.62	2520.00	-3.76	-582.15	0.000000	0.00	0.000
8-5-S	100	90	22.62	2520.00	31.99	-582.15	0.000000	0.00	0.000
8-6-S	100	90	22.62	2520.00	60.19	-582.15	0.000000	0.00	0.000
8-7-S	100	90	22.62	2520.00	88.40	-582.15	0.000000	0.00	0.000
8-8-S	100	90	22.62	2520.00	108.62	-582.15	0.000000	0.00	0.000
8-9-S	100	90	22.62	2520.00	124.53	-582.15	0.000000	0.00	0.000
8-10-S	100	90	22.62	2520.00	136.65	582.15	0.000000	0.00	0.000
8-11-S	100	90	22.62	2520.00	139.83	582.15	0.000000	0.00	0.000
8-12-S	100	90	22.62	2520.00	143.02	582.15	0.000000	0.00	0.000
8-13-S	100	90	22.62	2520.00	133.17	582.15	0.000000	0.00	0.000
8-14-S	100	90	22.62	2520.00	122.60	582.15	0.000000	0.00	0.000
8-15-S	100	90	22.62	2520.00	87.61	-582.15	0.000000	0.00	0.000
8-16-S	100	90	22.62	2520.00	39.90	-582.15	0.000000	0.00	0.000
8-17-S	100	90	22.62	2520.00	-32.60	-582.15	0.000000	0.00	0.000
8-18-S	100	90	22.62	2520.00	-28.19	-582.15	0.000000	0.00	0.000
8-19-S	100	90	22.62	2520.00	-18.57	-582.15	0.000000	0.00	0.000
8-20-S	100	90	22.62	2520.00	-6.39	-582.15	0.000000	0.00	0.000
9-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
9-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
9-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
9-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000
9-5-S	100	90	22.62	2520.00	10.39	-582.15	0.000000	0.00	0.000
9-6-S	100	90	22.62	2520.00	41.76	-582.15	0.000000	0.00	0.000
9-7-S	100	90	22.62	2520.00	73.50	-582.15	0.000000	0.00	0.000
9-8-S	100	90	22.62	2520.00	95.40	-582.15	0.000000	0.00	0.000
9-9-S	100	90	22.62	2520.00	111.95	-582.15	0.000000	0.00	0.000
9-10-S	100	90	22.62	2520.00	123.69	582.15	0.000000	0.00	0.000
9-11-S	100	90	22.62	2520.00	124.02	582.15	0.000000	0.00	0.000
9-12-S	100	90	22.62	2520.00	124.35	582.15	0.000000	0.00	0.000
9-13-S	100	90	22.62	2520.00	112.25	582.15	0.000000	0.00	0.000
9-14-S	100	90	22.62	2520.00	99.43	582.15	0.000000	0.00	0.000
9-15-S	100	90	22.62	2520.00	82.42	582.15	0.000000	0.00	0.000
9-16-S	100	90	22.62	2520.00	62.56	582.15	0.000000	0.00	0.000
9-17-S	100	90	22.62	2520.00	42.94	582.15	0.000000	0.00	0.000
9-18-S	100	90	22.62	2520.00	24.10	582.15	0.000000	0.00	0.000
9-19-S	100	90	22.62	2520.00	11.57	582.15	0.000000	0.00	0.000
9-20-S	100	90	22.62	2520.00	3.01	582.15	0.000000	0.00	0.000
10-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
10-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
10-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
10-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000
10-5-S	100	90	22.62	2520.00	-8.86	-582.15	0.000000	0.00	0.000
10-6-S	100	90	22.62	2520.00	26.10	-582.15	0.000000	0.00	0.000
10-7-S	100	90	22.62	2520.00	60.78	-582.15	0.000000	0.00	0.000
10-8-S	100	90	22.62	2520.00	85.86	-582.15	0.000000	0.00	0.000
10-9-S	100	90	22.62	2520.00	105.74	-582.15	0.000000	0.00	0.000
10-10-S	100	90	22.62	2520.00	121.53	582.15	0.000000	0.00	0.000
10-11-S	100	90	22.62	2520.00	127.68	582.15	0.000000	0.00	0.000
10-12-S	100	90	22.62	2520.00	133.83	582.15	0.000000	0.00	0.000
10-13-S	100	90	22.62	2520.00	125.77	582.15	0.000000	0.00	0.000
10-14-S	100	90	22.62	2520.00	116.90	582.15	0.000000	0.00	0.000
10-15-S	100	90	22.62	2520.00	83.01	582.15	0.000000	0.00	0.000
10-16-S	100	90	22.62	2520.00	34.44	-582.15	0.000000	0.00	0.000
10-17-S	100	90	22.62	2520.00	-27.44	-582.15	0.000000	0.00	0.000
10-18-S	100	90	22.62	2520.00	-24.40	-582.15	0.000000	0.00	0.000
10-19-S	100	90	22.62	2520.00	-15.35	-582.15	0.000000	0.00	0.000
10-20-S	100	90	22.62	2520.00	-2.52	-582.15	0.000000	0.00	0.000
11-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
11-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
11-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
11-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000
11-5-S	100	90	22.62	2520.00	-23.20	-582.15	0.000000	0.00	0.000
11-6-S	100	90	22.62	2520.00	13.08	-582.15	0.000000	0.00	0.000
11-7-S	100	90	22.62	2520.00	49.37	-582.15	0.000000	0.00	0.000
11-8-S	100	90	22.62	2520.00	75.95	-582.15	0.000000	0.00	0.000
11-9-S	100	90	22.62	2520.00	97.27	-582.15	0.000000	0.00	0.000
11-10-S	100	90	22.62	2520.00	114.44	582.15	0.000000	0.00	0.000
11-11-S	100	90	22.62	2520.00	121.77	582.15	0.000000	0.00	0.000
11-12-S	100	90	22.62	2520.00	129.11	582.15	0.000000	0.00	0.000
11-13-S	100	90	22.62	2520.00	121.98	582.15	0.000000	0.00	0.000
11-14-S	100	90	22.62	2520.00	114.02	582.15	0.000000	0.00	0.000
11-15-S	100	90	22.62	2520.00	80.92	582.15	0.000000	0.00	0.000
11-16-S	100	90	22.62	2520.00	35.37	-582.15	0.000000	0.00	0.000
11-17-S	100	90	22.62	2520.00	-30.07	-582.15	0.000000	0.00	0.000
11-18-S	100	90	22.62	2520.00	-25.78	-582.15	0.000000	0.00	0.000
11-19-S	100	90	22.62	2520.00	-16.43	-582.15	0.000000	0.00	0.000
11-20-S	100	90	22.62	2520.00	-4.14	-582.15	0.000000	0.00	0.000
12-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
12-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
12-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
12-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000
12-5-S	100	90	22.62	2520.00	-34.18	-582.15	0.000000	0.00	0.000
12-6-S	100	90	22.62	2520.00	3.14	-582.15	0.000000	0.00	0.000
12-7-S	100	90	22.62	2520.00	39.74	-582.15	0.000000	0.00	0.000
12-8-S	100	90	22.62	2520.00	66.31	-582.15	0.000000	0.00	0.000
12-9-S	100	90	22.62	2520.00	87.25	-582.15	0.000000	0.00	0.000
12-10-S	100	90	22.62	2520.00	103.11	582.15	0.000000	0.00	0.000
12-11-S	100	90	22.62	2520.00	106.95	582.15	0.000000	0.00	0.000
12-12-S	100	90	22.62	2520.00	110.78	582.15	0.000000	0.00	0.000
12-13-S	100	90	22.62	2520.00	101.36	582.15	0.000000	0.00	0.000
12-14-S	100	90	22.62	2520.00	91.18	582.15	0.000000	0.00	0.000
12-15-S	100	90	22.62	2520.00	76.34	582.15	0.000000	0.00	0.000
12-16-S	100	90	22.62	2520.00	58.33	582.15	0.000000	0.00	0.000
12-17-S	100	90	22.62	2520.00	40.41	582.15	0.000000	0.00	0.000
12-18-S	100	90	22.62	2520.00	22.74	582.15	0.000000	0.00	0.000
12-19-S	100	90	22.62	2520.00	10.94	582.15	0.000000	0.00	0.000
12-20-S	100	90	22.62	2520.00	2.72	582.15	0.000000	0.00	0.000
13-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
13-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
13-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
13-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000
13-5-S	100	90	22.62	2520.00	-39.65	-582.15	0.000000	0.00	0.000
13-6-S	100	90	22.62	2520.00	-2.32	-582.15	0.000000	0.00	0.000
13-7-S	100	90	22.62	2520.00	35.31	-582.15	0.000000	0.00	0.000
13-8-S	100	90	22.62	2520.00	63.21	-582.15	0.000000	0.00	0.000
13-9-S	100	90	22.62	2520.00	85.91	-582.15	0.000000	0.00	0.000
13-10-S	100	90	22.62	2520.00	104.45	582.15	0.000000	0.00	0.000
13-11-S	100	90	22.62	2520.00	113.14	582.15	0.000000	0.00	0.000
13-12-S	100	90	22.62	2520.00	121.82	582.15	0.000000	0.00	0.000
13-13-S	100	90	22.62	2520.00	115.91	582.15	0.000000	0.00	0.000
13-14-S	100	90	22.62	2520.00	109.17	582.15	0.000000	0.00	0.000
13-15-S	100	90	22.62	2520.00	77.10	582.15	0.000000	0.00	0.000
13-16-S	100	90	22.62	2520.00	31.40	-582.15	0.000000	0.00	0.000
13-17-S	100	90	22.62	2520.00	-29.67	-582.15	0.000000	0.00	0.000
13-18-S	100	90	22.62	2520.00	-25.40	-582.15	0.000000	0.00	0.000
13-19-S	100	90	22.62	2520.00	-15.81	-582.15	0.000000	0.00	0.000
13-20-S	100	90	22.62	2520.00	-2.79	-582.15	0.000000	0.00	0.000
14-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
14-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
14-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
14-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000
14-5-S	100	90	22.62	2520.00	-43.60	-582.15	0.000000	0.00	0.000
14-6-S	100	90	22.62	2520.00	-5.97	-582.15	0.000000	0.00	0.000
14-7-S	100	90	22.62	2520.00	31.67	-582.15	0.000000	0.00	0.000
14-8-S	100	90	22.62	2520.00	59.79	-582.15	0.000000	0.00	0.000
14-9-S	100	90	22.62	2520.00	82.75	-582.15	0.000000	0.00	0.000
14-10-S	100	90	22.62	2520.00	101.56	582.15	0.000000	0.00	0.000
14-11-S	100	90	22.62	2520.00	110.56	582.15	0.000000	0.00	0.000
14-12-S	100	90	22.62	2520.00	119.56	582.15	0.000000	0.00	0.000
14-13-S	100	90	22.62	2520.00	113.99	582.15	0.000000	0.00	0.000
14-14-S	100	90	22.62	2520.00	107.58	582.15	0.000000	0.00	0.000
14-15-S	100	90	22.62	2520.00	75.86	582.15	0.000000	0.00	0.000
14-16-S	100	90	22.62	2520.00	31.45	-582.15	0.000000	0.00	0.000
14-17-S	100	90	22.62	2520.00	-30.69	-582.15	0.000000	0.00	0.000
14-18-S	100	90	22.62	2520.00	-25.94	-582.15	0.000000	0.00	0.000
14-19-S	100	90	22.62	2520.00	-16.27	-582.15	0.000000	0.00	0.000
14-20-S	100	90	22.62	2520.00	-3.62	-582.15	0.000000	0.00	0.000
15-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
15-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
15-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
15-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000
15-5-S	100	90	22.62	2520.00	-46.79	-582.15	0.000000	0.00	0.000
15-6-S	100	90	22.62	2520.00	-9.25	-582.15	0.000000	0.00	0.000
15-7-S	100	90	22.62	2520.00	28.28	-582.15	0.000000	0.00	0.000
15-8-S	100	90	22.62	2520.00	55.63	-582.15	0.000000	0.00	0.000
15-9-S	100	90	22.62	2520.00	77.45	-582.15	0.000000	0.00	0.000
15-10-S	100	90	22.62	2520.00	94.22	582.15	0.000000	0.00	0.000
15-11-S	100	90	22.62	2520.00	99.07	582.15	0.000000	0.00	0.000
15-12-S	100	90	22.62	2520.00	103.91	582.15	0.000000	0.00	0.000
15-13-S	100	90	22.62	2520.00	95.52	582.15	0.000000	0.00	0.000
15-14-S	100	90	22.62	2520.00	86.38	582.15	0.000000	0.00	0.000
15-15-S	100	90	22.62	2520.00	72.52	582.15	0.000000	0.00	0.000
15-16-S	100	90	22.62	2520.00	55.45	582.15	0.000000	0.00	0.000
15-17-S	100	90	22.62	2520.00	38.43	582.15	0.000000	0.00	0.000
15-18-S	100	90	22.62	2520.00	21.59	582.15	0.000000	0.00	0.000
15-19-S	100	90	22.62	2520.00	10.33	582.15	0.000000	0.00	0.000
15-20-S	100	90	22.62	2520.00	2.48	582.15	0.000000	0.00	0.000
16-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
16-2-S	100	90	27.14	2520.00	-1.25	-598.17	0.000000	0.00	0.000
16-3-S	100	90	27.14	2520.00	-2.50	-598.17	0.000000	0.00	0.000
16-4-S	100	90	27.14	2520.00	-3.75	-598.17	0.000000	0.00	0.000
16-5-S	100	90	27.14	2520.00	-46.80	-598.17	0.000000	0.00	0.000
16-6-S	100	90	27.14	2520.00	-9.11	-598.17	0.000000	0.00	0.000
16-7-S	100	90	27.14	2520.00	28.58	-598.17	0.000000	0.00	0.000
16-8-S	100	90	27.14	2520.00	56.83	-598.17	0.000000	0.00	0.000
16-9-S	100	90	27.14	2520.00	79.97	-598.17	0.000000	0.00	0.000
16-10-S	100	90	27.14	2520.00	98.97	598.17	0.000000	0.00	0.000
16-11-S	100	90	27.14	2520.00	108.22	598.17	0.000000	0.00	0.000
16-12-S	100	90	27.14	2520.00	117.46	598.17	0.000000	0.00	0.000
16-13-S	100	90	27.14	2520.00	112.18	598.17	0.000000	0.00	0.000
16-14-S	100	90	27.14	2520.00	106.06	598.17	0.000000	0.00	0.000
16-15-S	100	90	27.14	2520.00	74.60	598.17	0.000000	0.00	0.000
16-16-S	100	90	27.14	2520.00	30.33	-598.17	0.000000	0.00	0.000
16-17-S	100	90	27.14	2520.00	-30.74	-598.17	0.000000	0.00	0.000
16-18-S	100	90	27.14	2520.00	-25.97	-598.17	0.000000	0.00	0.000
16-19-S	100	90	27.14	2520.00	-16.20	-598.17	0.000000	0.00	0.000
16-20-S	100	90	27.14	2520.00	-3.34	-598.17	0.000000	0.00	0.000
17-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
17-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
17-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
17-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000
17-5-S	100	90	22.62	2520.00	-46.80	-582.15	0.000000	0.00	0.000
17-6-S	100	90	22.62	2520.00	-9.11	-582.15	0.000000	0.00	0.000
17-7-S	100	90	22.62	2520.00	28.58	-582.15	0.000000	0.00	0.000
17-8-S	100	90	22.62	2520.00	56.83	-582.15	0.000000	0.00	0.000
17-9-S	100	90	22.62	2520.00	79.97	-582.15	0.000000	0.00	0.000
17-10-S	100	90	22.62	2520.00	98.97	582.15	0.000000	0.00	0.000
17-11-S	100	90	22.62	2520.00	108.22	582.15	0.000000	0.00	0.000
17-12-S	100	90	22.62	2520.00	117.46	582.15	0.000000	0.00	0.000
17-13-S	100	90	22.62	2520.00	112.18	582.15	0.000000	0.00	0.000
17-14-S	100	90	22.62	2520.00	106.06	582.15	0.000000	0.00	0.000
17-15-S	100	90	22.62	2520.00	74.60	582.15	0.000000	0.00	0.000
17-16-S	100	90	22.62	2520.00	30.33	-582.15	0.000000	0.00	0.000
17-17-S	100	90	22.62	2520.00	-30.74	-582.15	0.000000	0.00	0.000
17-18-S	100	90	22.62	2520.00	-25.97	-582.15	0.000000	0.00	0.000
17-19-S	100	90	22.62	2520.00	-16.20	-582.15	0.000000	0.00	0.000
17-20-S	100	90	22.62	2520.00	-3.34	-582.15	0.000000	0.00	0.000
18-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
18-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
18-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
18-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000
18-5-S	100	90	22.62	2520.00	-46.79	-582.15	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
18-6-S	100	90	22.62	2520.00	-9.25	-582.15	0.000000	0.00	0.000
18-7-S	100	90	22.62	2520.00	28.28	-582.15	0.000000	0.00	0.000
18-8-S	100	90	22.62	2520.00	55.63	-582.15	0.000000	0.00	0.000
18-9-S	100	90	22.62	2520.00	77.45	-582.15	0.000000	0.00	0.000
18-10-S	100	90	22.62	2520.00	94.22	582.15	0.000000	0.00	0.000
18-11-S	100	90	22.62	2520.00	99.07	582.15	0.000000	0.00	0.000
18-12-S	100	90	22.62	2520.00	103.91	582.15	0.000000	0.00	0.000
18-13-S	100	90	22.62	2520.00	95.52	582.15	0.000000	0.00	0.000
18-14-S	100	90	22.62	2520.00	86.38	582.15	0.000000	0.00	0.000
18-15-S	100	90	22.62	2520.00	72.52	582.15	0.000000	0.00	0.000
18-16-S	100	90	22.62	2520.00	55.45	582.15	0.000000	0.00	0.000
18-17-S	100	90	22.62	2520.00	38.43	582.15	0.000000	0.00	0.000
18-18-S	100	90	22.62	2520.00	21.59	582.15	0.000000	0.00	0.000
18-19-S	100	90	22.62	2520.00	10.33	582.15	0.000000	0.00	0.000
18-20-S	100	90	22.62	2520.00	2.48	582.15	0.000000	0.00	0.000
19-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
19-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
19-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
19-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000
19-5-S	100	90	22.62	2520.00	-43.60	-582.15	0.000000	0.00	0.000
19-6-S	100	90	22.62	2520.00	-5.97	-582.15	0.000000	0.00	0.000
19-7-S	100	90	22.62	2520.00	31.67	-582.15	0.000000	0.00	0.000
19-8-S	100	90	22.62	2520.00	59.79	-582.15	0.000000	0.00	0.000
19-9-S	100	90	22.62	2520.00	82.75	-582.15	0.000000	0.00	0.000
19-10-S	100	90	22.62	2520.00	101.56	582.15	0.000000	0.00	0.000
19-11-S	100	90	22.62	2520.00	110.56	582.15	0.000000	0.00	0.000
19-12-S	100	90	22.62	2520.00	119.56	582.15	0.000000	0.00	0.000
19-13-S	100	90	22.62	2520.00	113.99	582.15	0.000000	0.00	0.000
19-14-S	100	90	22.62	2520.00	107.58	582.15	0.000000	0.00	0.000
19-15-S	100	90	22.62	2520.00	75.86	582.15	0.000000	0.00	0.000
19-16-S	100	90	22.62	2520.00	31.45	-582.15	0.000000	0.00	0.000
19-17-S	100	90	22.62	2520.00	-30.69	-582.15	0.000000	0.00	0.000
19-18-S	100	90	22.62	2520.00	-25.94	-582.15	0.000000	0.00	0.000
19-19-S	100	90	22.62	2520.00	-16.27	-582.15	0.000000	0.00	0.000
19-20-S	100	90	22.62	2520.00	-3.62	-582.15	0.000000	0.00	0.000
20-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
20-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
20-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
20-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000
20-5-S	100	90	22.62	2520.00	-39.65	-582.15	0.000000	0.00	0.000
20-6-S	100	90	22.62	2520.00	-2.32	-582.15	0.000000	0.00	0.000
20-7-S	100	90	22.62	2520.00	35.31	-582.15	0.000000	0.00	0.000
20-8-S	100	90	22.62	2520.00	63.21	-582.15	0.000000	0.00	0.000
20-9-S	100	90	22.62	2520.00	85.91	-582.15	0.000000	0.00	0.000
20-10-S	100	90	22.62	2520.00	104.45	582.15	0.000000	0.00	0.000
20-11-S	100	90	22.62	2520.00	113.14	582.15	0.000000	0.00	0.000
20-12-S	100	90	22.62	2520.00	121.82	582.15	0.000000	0.00	0.000
20-13-S	100	90	22.62	2520.00	115.91	582.15	0.000000	0.00	0.000
20-14-S	100	90	22.62	2520.00	109.17	582.15	0.000000	0.00	0.000
20-15-S	100	90	22.62	2520.00	77.10	582.15	0.000000	0.00	0.000
20-16-S	100	90	22.62	2520.00	31.40	-582.15	0.000000	0.00	0.000
20-17-S	100	90	22.62	2520.00	-29.67	-582.15	0.000000	0.00	0.000
20-18-S	100	90	22.62	2520.00	-25.40	-582.15	0.000000	0.00	0.000
20-19-S	100	90	22.62	2520.00	-15.81	-582.15	0.000000	0.00	0.000
20-20-S	100	90	22.62	2520.00	-2.79	-582.15	0.000000	0.00	0.000
21-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
21-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
21-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
21-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000
21-5-S	100	90	22.62	2520.00	-34.18	-582.15	0.000000	0.00	0.000
21-6-S	100	90	22.62	2520.00	3.14	-582.15	0.000000	0.00	0.000
21-7-S	100	90	22.62	2520.00	39.74	-582.15	0.000000	0.00	0.000
21-8-S	100	90	22.62	2520.00	66.31	-582.15	0.000000	0.00	0.000
21-9-S	100	90	22.62	2520.00	87.25	-582.15	0.000000	0.00	0.000
21-10-S	100	90	22.62	2520.00	103.11	582.15	0.000000	0.00	0.000
21-11-S	100	90	22.62	2520.00	106.95	582.15	0.000000	0.00	0.000
21-12-S	100	90	22.62	2520.00	110.78	582.15	0.000000	0.00	0.000
21-13-S	100	90	22.62	2520.00	101.36	582.15	0.000000	0.00	0.000
21-14-S	100	90	22.62	2520.00	91.18	582.15	0.000000	0.00	0.000
21-15-S	100	90	22.62	2520.00	76.34	582.15	0.000000	0.00	0.000
21-16-S	100	90	22.62	2520.00	58.33	582.15	0.000000	0.00	0.000
21-17-S	100	90	22.62	2520.00	40.41	582.15	0.000000	0.00	0.000
21-18-S	100	90	22.62	2520.00	22.74	582.15	0.000000	0.00	0.000
21-19-S	100	90	22.62	2520.00	10.94	582.15	0.000000	0.00	0.000
21-20-S	100	90	22.62	2520.00	2.72	582.15	0.000000	0.00	0.000
22-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
22-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
22-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
22-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000
22-5-S	100	90	22.62	2520.00	-23.20	-582.15	0.000000	0.00	0.000
22-6-S	100	90	22.62	2520.00	13.08	-582.15	0.000000	0.00	0.000
22-7-S	100	90	22.62	2520.00	49.37	-582.15	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
22-8-S	100	90	22.62	2520.00	75.95	-582.15	0.000000	0.00	0.000
22-9-S	100	90	22.62	2520.00	97.27	-582.15	0.000000	0.00	0.000
22-10-S	100	90	22.62	2520.00	114.44	582.15	0.000000	0.00	0.000
22-11-S	100	90	22.62	2520.00	121.77	582.15	0.000000	0.00	0.000
22-12-S	100	90	22.62	2520.00	129.11	582.15	0.000000	0.00	0.000
22-13-S	100	90	22.62	2520.00	121.98	582.15	0.000000	0.00	0.000
22-14-S	100	90	22.62	2520.00	114.02	582.15	0.000000	0.00	0.000
22-15-S	100	90	22.62	2520.00	80.92	582.15	0.000000	0.00	0.000
22-16-S	100	90	22.62	2520.00	35.37	-582.15	0.000000	0.00	0.000
22-17-S	100	90	22.62	2520.00	-30.07	-582.15	0.000000	0.00	0.000
22-18-S	100	90	22.62	2520.00	-25.78	-582.15	0.000000	0.00	0.000
22-19-S	100	90	22.62	2520.00	-16.43	-582.15	0.000000	0.00	0.000
22-20-S	100	90	22.62	2520.00	-4.14	-582.15	0.000000	0.00	0.000
23-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
23-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
23-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
23-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000
23-5-S	100	90	22.62	2520.00	-8.86	-582.15	0.000000	0.00	0.000
23-6-S	100	90	22.62	2520.00	26.10	-582.15	0.000000	0.00	0.000
23-7-S	100	90	22.62	2520.00	60.78	-582.15	0.000000	0.00	0.000
23-8-S	100	90	22.62	2520.00	85.86	-582.15	0.000000	0.00	0.000
23-9-S	100	90	22.62	2520.00	105.74	-582.15	0.000000	0.00	0.000
23-10-S	100	90	22.62	2520.00	121.53	582.15	0.000000	0.00	0.000
23-11-S	100	90	22.62	2520.00	127.68	582.15	0.000000	0.00	0.000
23-12-S	100	90	22.62	2520.00	133.83	582.15	0.000000	0.00	0.000
23-13-S	100	90	22.62	2520.00	125.77	582.15	0.000000	0.00	0.000
23-14-S	100	90	22.62	2520.00	116.90	582.15	0.000000	0.00	0.000
23-15-S	100	90	22.62	2520.00	83.01	582.15	0.000000	0.00	0.000
23-16-S	100	90	22.62	2520.00	34.44	-582.15	0.000000	0.00	0.000
23-17-S	100	90	22.62	2520.00	-27.44	-582.15	0.000000	0.00	0.000
23-18-S	100	90	22.62	2520.00	-24.40	-582.15	0.000000	0.00	0.000
23-19-S	100	90	22.62	2520.00	-15.35	-582.15	0.000000	0.00	0.000
23-20-S	100	90	22.62	2520.00	-2.52	-582.15	0.000000	0.00	0.000
24-1-S	100	90	0.00	0.00	0.00	0.00	0.000000	0.00	0.000
24-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
24-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
24-4-S	100	90	22.62	2520.00	-3.75	-582.15	0.000000	0.00	0.000
24-5-S	100	90	22.62	2520.00	10.39	-582.15	0.000000	0.00	0.000
24-6-S	100	90	22.62	2520.00	41.76	-582.15	0.000000	0.00	0.000
24-7-S	100	90	22.62	2520.00	73.50	-582.15	0.000000	0.00	0.000
24-8-S	100	90	22.62	2520.00	95.40	-582.15	0.000000	0.00	0.000
24-9-S	100	90	22.62	2520.00	111.95	-582.15	0.000000	0.00	0.000
24-10-S	100	90	22.62	2520.00	123.69	582.15	0.000000	0.00	0.000
24-11-S	100	90	22.62	2520.00	124.02	582.15	0.000000	0.00	0.000
24-12-S	100	90	22.62	2520.00	124.35	582.15	0.000000	0.00	0.000
24-13-S	100	90	22.62	2520.00	112.25	582.15	0.000000	0.00	0.000
24-14-S	100	90	22.62	2520.00	99.43	582.15	0.000000	0.00	0.000
24-15-S	100	90	22.62	2520.00	82.42	582.15	0.000000	0.00	0.000
24-16-S	100	90	22.62	2520.00	62.56	582.15	0.000000	0.00	0.000
24-17-S	100	90	22.62	2520.00	42.94	582.15	0.000000	0.00	0.000
24-18-S	100	90	22.62	2520.00	24.10	582.15	0.000000	0.00	0.000
24-19-S	100	90	22.62	2520.00	11.57	582.15	0.000000	0.00	0.000
24-20-S	100	90	22.62	2520.00	3.01	582.15	0.000000	0.00	0.000
25-1-S	100	90	22.62	2520.00	0.00	582.15	0.000000	0.00	0.000
25-2-S	100	90	22.62	2520.00	-1.25	-582.15	0.000000	0.00	0.000
25-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
25-4-S	100	90	22.62	2520.00	-3.76	-582.15	0.000000	0.00	0.000
25-5-S	100	90	22.62	2520.00	31.99	-582.15	0.000000	0.00	0.000
25-6-S	100	90	22.62	2520.00	60.19	-582.15	0.000000	0.00	0.000
25-7-S	100	90	22.62	2520.00	88.40	-582.15	0.000000	0.00	0.000
25-8-S	100	90	22.62	2520.00	108.62	-582.15	0.000000	0.00	0.000
25-9-S	100	90	22.62	2520.00	124.53	-582.15	0.000000	0.00	0.000
25-10-S	100	90	22.62	2520.00	136.65	582.15	0.000000	0.00	0.000
25-11-S	100	90	22.62	2520.00	139.83	582.15	0.000000	0.00	0.000
25-12-S	100	90	22.62	2520.00	143.02	582.15	0.000000	0.00	0.000
25-13-S	100	90	22.62	2520.00	133.17	582.15	0.000000	0.00	0.000
25-14-S	100	90	22.62	2520.00	122.60	582.15	0.000000	0.00	0.000
25-15-S	100	90	22.62	2520.00	87.61	-582.15	0.000000	0.00	0.000
25-16-S	100	90	22.62	2520.00	39.90	-582.15	0.000000	0.00	0.000
25-17-S	100	90	22.62	2520.00	-32.60	-582.15	0.000000	0.00	0.000
25-18-S	100	90	22.62	2520.00	-28.19	-582.15	0.000000	0.00	0.000
25-19-S	100	90	22.62	2520.00	-18.57	-582.15	0.000000	0.00	0.000
25-20-S	100	90	22.62	2520.00	-6.39	-582.15	0.000000	0.00	0.000
26-1-S	100	90	22.62	2520.00	0.05	-582.15	0.000000	0.00	0.000
26-2-S	100	90	22.62	2520.00	-1.23	-582.15	0.000000	0.00	0.000
26-3-S	100	90	22.62	2520.00	-2.50	-582.15	0.000000	0.00	0.000
26-4-S	100	90	22.62	2520.00	-3.77	-582.15	0.000000	0.00	0.000
26-5-S	100	90	22.62	2520.00	38.67	-582.15	0.000000	0.00	0.000
26-6-S	100	90	22.62	2520.00	67.34	-582.15	0.000000	0.00	0.000
26-7-S	100	90	22.62	2520.00	96.00	-582.15	0.000000	0.00	0.000
26-8-S	100	90	22.62	2520.00	116.80	-582.15	0.000000	0.00	0.000
26-9-S	100	90	22.62	2520.00	133.33	582.15	0.000000	0.00	0.000

RELAZIONE DI CALCOLO

Is	B [cm]	H [cm]	Af [cmq]	Aeff [cmq]	M [kNm]	Mpf [kNm]	ε [%]	Sm [mm]	w [mm]
26-10-S	100	90	22.62	2520.00	145.54	582.15	0.000000	0.00	0.000
26-11-S	100	90	22.62	2520.00	147.41	-582.15	0.000000	0.00	0.000
26-12-S	100	90	22.62	2520.00	149.29	582.15	0.000000	0.00	0.000
26-13-S	100	90	22.62	2520.00	136.22	582.15	0.000000	0.00	0.000
26-14-S	100	90	22.62	2520.00	122.37	-582.15	0.000000	0.00	0.000
26-15-S	100	90	22.62	2520.00	85.13	-582.15	0.000000	0.00	0.000
26-16-S	100	90	22.62	2520.00	33.90	-582.15	0.000000	0.00	0.000
26-17-S	100	90	22.62	2520.00	-26.37	-582.15	0.000000	0.00	0.000
26-18-S	100	90	22.62	2520.00	-23.02	-582.15	0.000000	0.00	0.000
26-19-S	100	90	22.62	2520.00	-15.03	-582.15	0.000000	0.00	0.000
26-20-S	100	90	22.62	2520.00	-2.83	-582.15	0.000000	0.00	0.000

Pali in c.a.

Apertura limite fessure $w_{lim}=0.300$ mm

Ip	Is	Af [cmq]	Aeff [cmq]	Mpf [kNm]	M [kNm]	N [kN]	ε [%]	Sm [mm]	w _m [mm]
1	1	22.81	554.14	293.04	-298.88	552.35	0.000000	0.00	0.00
2	1	22.81	473.92	324.91	-298.88	979.24	0.000000	0.00	0.00

10.2.10 Elenco ferri

Simbologia adottata

n°	Indice del ferro
nf	numero ferri
D	diametro ferro espresso in [mm]
L	Lunghezza ferro espresso in [m]
P _{ferro}	Peso ferro espresso in [kN]

Paramento

n°	Tipo	nf	D [mm]	L [m]	P _f [kN]	P _{gf} [kN]	V _{cls} [mc]
1	Dritto superiore	5	24.00	3.48	0.1213	0.6065	
2	Dritto superiore	5	24.00	2.96	0.1030	0.5150	
3	Dritto superiore	5	24.00	5.16	0.1796	0.8978	
4	Dritto inferiore	4	24.00	5.14	0.1789	0.7158	
5	Ripartitore	42	12.00	1.00	0.0087	0.3657	
6	Gancio	82	12.00	0.30	0.0027	0.2175	
Totale al metro						3.3183	2.22
Totale						66.3660	44.48

Piastra fondazione

n°	Tipo	nf	D [mm]	L [m]	P _f [kN]	P _{gf} [kN]	V _{cls} [mc]
1	Dritto superiore Orizzontale [M]	24	24.00	4.50	0.1567	3.7613	
2	Dritto superiore Orizzontale [M]	24	24.00	10.00	0.3483	8.3584	
3	Dritto superiore Orizzontale [M]	24	24.00	10.00	0.3483	8.3584	
4	Dritto inferiore Orizzontale [M]	24	24.00	4.50	0.1567	3.7613	
5	Dritto inferiore Orizzontale [M]	24	24.00	10.00	0.3483	8.3584	
6	Dritto inferiore Orizzontale [M]	24	24.00	10.00	0.3483	8.3584	
7	Dritto inferiore Verticale [M]	101	24.00	6.62	0.2304	23.2740	
8	Dritto superiore Verticale [M]	101	24.00	6.62	0.2304	23.2740	
9	Sagomato superiore Verticale	40	24.00	3.67	0.1277	5.1097	
10	Sagomato superiore Verticale	24	24.00	3.67	0.1277	3.0658	
11	Sagomato superiore Verticale	28	24.00	3.06	0.1067	2.9884	
12	Sagomato superiore Verticale	13	24.00	3.67	0.1277	1.6606	
Totale						100.3286	89.94