REGIONE PUGLIA

Autorità idrica pugliese

acquedotto pugliese
l'acqua, bene comune

CUP: E87B15000620005

PROGRAMMA DEGLI INTERVENTI 2016 - 2019
A CARICO DEI PROVENTI TARIFFARI GIUSTA DELIBERA DEL CONSIGLIO DIRETTIVO AIP N. 31 DEL 28/06/2018

REALIZZAZIONE DELLA RETE IDRICA NELL'ABITATO DI CASTELLANETA E POTENZIAMENTO DEL SERBATOIO - PROGETTO DEFINITIVO-

Il Responsabile del Procedimento
ing. Gaetano jr BARBONE

PROGETTAZIONE

Il Coordinatore del progetto,
Progettista parti idrauliche e opere elettriche/elettromeccaniche e
Coordinatore della Sicurezza in fase progettuale
ing. Michele Alessandro SALIOLA

Il Progettista delle strutture
ing. Tommaso DI LERNIA

Il Geologo e Progettista ambientale
dott. Alfredo DE GIOVANNI

Collaboratori
ing. Antonio DISCIPIO
geom. Ruggiero LANOTTE
ing. Francesco Pellegrino PAPEO
Ing. Francesco RUCCIA
ing. Francesco SARCINA
geom. Pietro SIMONE

Il Responsabile Ingegneria di Progettazione
ing. Massimo PELLEGRINI

acquedotto pugliese
l'acqua, bene comune
Direzione Ingegneria

Il Direttore
ing. Andrea VOLPE

Elaborato	
A.7.1	**Tabulati di calcolo Camera di Manovra**

Codice Intervento: P1388	Codice SAP: 21/19073	*Prot. 33246* *Data 10/04/2019*	Scala:

N. Rev.	Data	Descrizione	Disegnato	Controllato	Approvato
00	APR.2019	*Emesso per PROGETTO DEFINITIVO*	/	/	/

Sommario

1 Rappresentazione generale dell'edificio

Vista assonometrica dell'edificio nella sua interezza
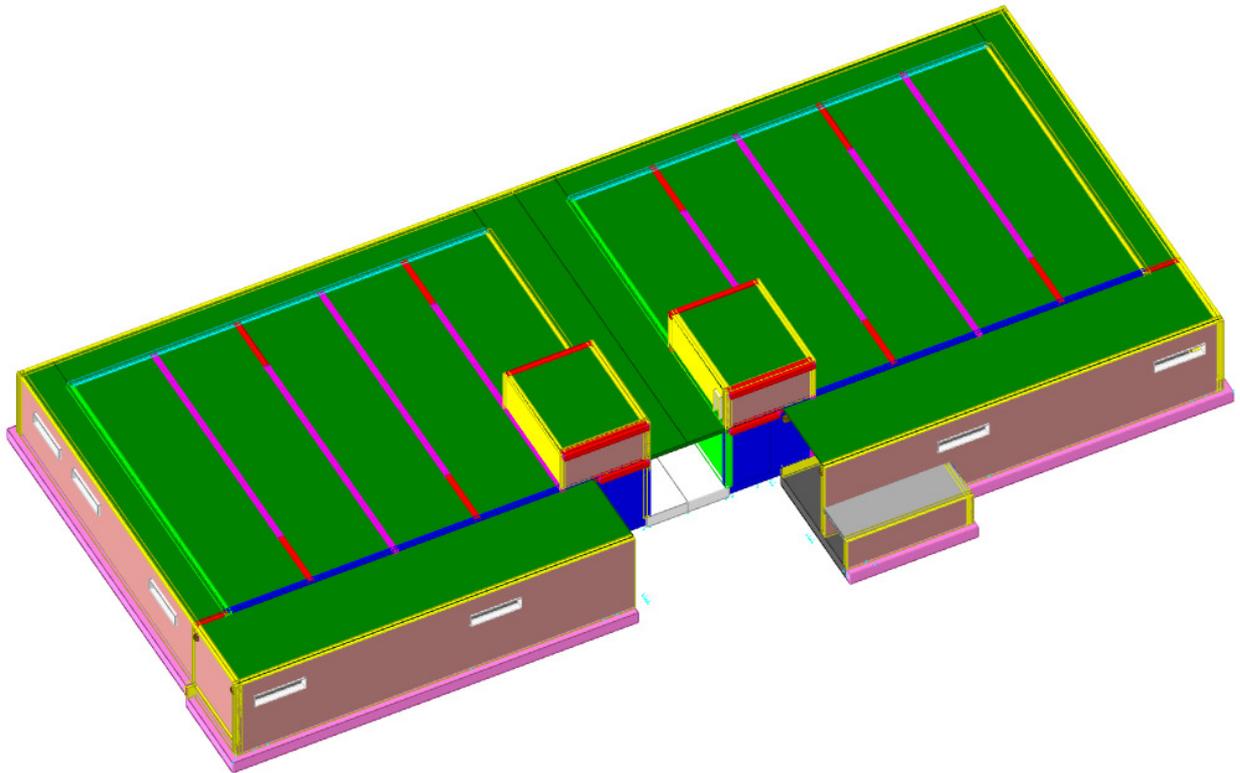
2 Dati generali
2.1 Materiali

2.1.1 Materiali c.a.
Descrizione: Descrizione o nome assegnato all'elemento.
Rck: Resistenza caratteristica cubica; valore medio nel caso di edificio esistente. [daN/cm²]
E: Modulo di elasticità longitudinale del materiale per edifici o materiali nuovi. [daN/cm²]
Gamma: Peso specifico del materiale. [daN/cm³]
Poisson: Coefficiente di Poisson. Il valore è adimensionale.
G: Modulo di elasticità tangenziale del materiale, viene impiegato nella modellazione di aste. [daN/cm²]
Alfa: Coefficiente longitudinale di dilatazione termica. [°C-1]

Descrizione	Rck	E	Gamma	Poisson	G	Alfa
C25/30	300	314472	0.0025	0.1	Default (142941.64)	0.00001
C35/45_1	450	346255	0.0025	0.1	Default (157388.57)	0.00001

2.1.2 Armature
Descrizione: descrizione o nome assegnato all'elemento.
fyk: resistenza caratteristica. [daN/cm²]
Sigma amm.: tensione ammissibile. [daN/cm²]
Tipo: tipo di barra.
E: modulo di elasticità longitudinale del materiale per edifici o materiali nuovi. [daN/cm²]
Gamma: peso specifico del materiale. [daN/cm³]
Poisson: coefficiente di Poisson. Il valore è adimensionale.
**Alfa**: coefficiente longitudinale di dilatazione termica. [°C-1]
Livello di conoscenza: indica se il materiale è nuovo o esistente, e in tal caso il livello di conoscenza secondo Circ. 02/02/09 n. 617 §C8A. Informazione impiegata solo in analisi D.M. 14-01-08 (N.T.C.).

Descrizione	fyk	Sigma amm.	Tipo	E	Gamma	Poisson	Alfa	Livello di conoscenza
B450C_1	4500	2550	Aderenza migliorata	2060000	0.00785	0.3	0.000012	Nuovo

2.2 Sezioni

2.2.1 Sezioni C.A.
2.2.1.1 Sezioni rettangolari C.A.
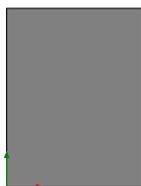
Descrizione: Descrizione o nome assegnato all'elemento.
Area Tx FEM: Area di taglio in direzione X per l'analisi FEM. [cm²]
Area Ty FEM: Area di taglio in direzione Y per l'analisi FEM. [cm²]
JxFEM: Momento di inerzia attorno all'asse X per l'analisi FEM. [cm4]
JyFEM: Momento di inerzia attorno all'asse Y per l'analisi FEM. [cm4]
JtFEM: Momento d'inerzia torsionale corretto con il fattore di forma per l'analisi FEM. [cm4]
H: Altezza della sezione. [cm]
B: Larghezza della sezione. [cm]
c.s.: Copriferro superiore della sezione. [cm]
c.i.: Copriferro inferiore della sezione. [cm]
c.l.: Copriferro laterale della sezione. [cm]

Descrizione	Area Tx FEM	Area Ty FEM	JxFEM	JyFEM	JtFEM	H	B	c.s.	c.i.	c.l.
R 30x40	1000	1000	160000	90000	189900	40	30	3.5	3.5	3.5
R 40x40	1333.33	1333.33	213333.33	213333.33	315733.33	40	40	6	6	6
R 40x70	2333.33	2333.33	1.143E06	373333.33	955733.33	70	40	6	6	6
R 45x80	3000	3000	1920000	607500	1.569E06	80	45	6	6	6
R 60x50	2500	2500	625000	900000	1187500	50	60	6	6	6

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

Descrizione	Xg	Yg	Area	Jx	Jy	Jxy	Jm	Jn	Alfa	Area Tx FEM	Area Ty FEM	JxFEM	JyFEM	JtFEM
R 30x40	15	20	1200	160000	90000	0	160000	90000	0	1000	1000	160000	90000	189900
R 40x40	20	20	1600	2.1E5	2.1E5	0	2.1E5	2.1E5	0	1333.33	1333.33	2.13E05	2.13E05	3.16E05
R 40x70	20	35	2800	1.1E6	3.7E5	0	1.1E6	3.7E5	0	2333.33	2333.33	1.14E06	3.73E05	9.56E05
R 45x80	22.5	40	3600	1.9E6	607500	0	1.9E6	607500	0	3000	3000	1920000	607500	1.57E06

Descrizione	Xg	Yg	Area	Jx	Jy	Jxy	Jm	Jn	Alfa	Area Tx FEM	Area Ty FEM	JxFEM	JyFEM	JtFEM
R 60x50	30	25	3000	625000	900000	0	625000	900000	0	2500	2500	625000	900000	1187500

2.3 Solai

2.3.1 Solai predalle

Descrizione: Descrizione o nome assegnato all'elemento.
Peso proprio: Peso proprio per unità di superficie. [daN/cm²]
Int.: Interasse tra le nervature. [cm]
B anima: Larghezza anima. [cm]
H: Altezza totale. [cm]
H cappa: Altezza cappa. [cm]
H lastra: Altezza lastra. [cm]
c.s.: Copriferro superiore. [cm]
c.i.: Copriferro inferiore. [cm]
n° tondi: Numero tondi di confezionamento.
Diam. tondi: Diametro tondi di confezionamento. [mm]
Passo rete: Passo rete cappa. [cm]
Diam. rete: Diametro rete cappa. [mm]
Passo r.l.: Passo rete lastra. [cm]
Diam. r.l.: Diametro rete lastra. [mm]

Descrizione	Peso proprio	Int.	B anima	H	H cappa	H lastra	c.s.	c.i.	n° tondi	Diam. tondi	Passo rete	Diam. rete	Passo r.l.	Diam. r.l.
Pre 20x(5+30+5)/60	0.05	60	20	40	5	5	4	4	6	6	20	6	20	6

3 Dati di definizione
3.1 Preferenze commessa

3.1.1 Preferenze di analisi

Metodo di analisi	D.M. 14-01-08 (N.T.C.)
Tipo di costruzione	3
Vn	100
Classe d'uso	IV
Vr	200
Tipo di analisi	Lineare dinamica
Località	Taranto, Castellaneta, Bolzanello; Latitudine ED50 40,652° (40° 39' 7''); Longitudine ED50 16,8816° (16° 52' 54''); Altitudine s.l.m. 302,07 m.
Zona sismica	Zona 3
Categoria del suolo	C - sabbie ed argille medie
Categoria topografica	T1
Ss orizzontale SLO	1.5
Tb orizzontale SLO	0.164 [s]
Tc orizzontale SLO	0.492 [s]
Td orizzontale SLO	1.887 [s]
Ss orizzontale SLD	1.5
Tb orizzontale SLD	0.165 [s]
Tc orizzontale SLD	0.496 [s]
Td orizzontale SLD	1.97 [s]
Ss orizzontale SLV	1.37
Tb orizzontale SLV	0.167 [s]
Tc orizzontale SLV	0.502 [s]
Td orizzontale SLV	2.465 [s]
St	1
PVr SLO (%)	81
Tr SLO	120.43
Ag/g SLO	0.0717
Fo SLO	2.532
Tc* SLO	0.322
PVr SLD (%)	63
Tr SLD	201
Ag/g SLD	0.0924
Fo SLD	2.505
Tc* SLD	0.327
PVr SLV (%)	10
Tr SLV	1898.24
Ag/g SLV	0.2162
Fo SLV	2.522
Tc* SLV	0.333
Smorzamento viscoso (%)	5
Classe di duttilità	Non dissipativa
Rotazione del sisma	0 [deg]
Quota dello '0' sismico	0 [cm]
Regolarità in pianta	Si
Regolarità in elevazione	Si
Edificio C.A.	Si
Edificio esistente	No
Altezza costruzione	1300 [cm]
C1	0.05
T1	0.342 [s]
Lambda SLO	1
Lambda SLD	1
Lambda SLV	1
Numero modi	30
Metodo di Ritz	applicato
Torsione accidentale semplificata	No
Torsione accidentale per piani (livelli e falde) flessibili	No
Eccentricità X (per sisma Y) livello "Fondo chiusura idraulica"	40 [cm]
Eccentricità Y (per sisma X) livello "Fondo chiusura idraulica"	12 [cm]
Eccentricità X (per sisma Y) livello "Fondo pozzetti scarico"	40 [cm]
Eccentricità Y (per sisma X) livello "Fondo pozzetti scarico"	40 [cm]
Eccentricità X (per sisma Y) livello "Fondazione lato vasche"	70 [cm]
Eccentricità Y (per sisma X) livello "Fondazione lato vasche"	70 [cm]
Eccentricità X (per sisma Y) livello "Fondazione 2"	200 [cm]
Eccentricità Y (per sisma X) livello "Fondazione 2"	185 [cm]
Eccentricità X (per sisma Y) livello "Pianerottolo riposo ingresso"	50 [cm]
Eccentricità Y (per sisma X) livello "Pianerottolo riposo ingresso"	20 [cm]
Eccentricità X (per sisma Y) livello "Piano copertura cunicolo"	0 [cm]
Eccentricità Y (per sisma X) livello "Piano copertura cunicolo"	0 [cm]
Eccentricità X (per sisma Y) livello "Pianerottolo riposo accesso vasche"	5 [cm]
Eccentricità Y (per sisma X) livello "Pianerottolo riposo accesso vasche"	5 [cm]
Eccentricità X (per sisma Y) livello "Pianerottolo ingresso"	5 [cm]
Eccentricità Y (per sisma X) livello "Pianerottolo ingresso"	5 [cm]
Eccentricità X (per sisma Y) livello "Piano copertura vasca"	200 [cm]
Eccentricità Y (per sisma X) livello "Piano copertura vasca"	185 [cm]
Eccentricità X (per sisma Y) livello "Pianerottolo accesso vasche"	60 [cm]
Eccentricità Y (per sisma X) livello "Pianerottolo accesso vasche"	30 [cm]
Eccentricità X (per sisma Y) livello "Carroponti"	0 [cm]
Eccentricità Y (per sisma X) livello "Carroponti"	0 [cm]
Eccentricità X (per sisma Y) livello "Piano copertura"	70 [cm]
Eccentricità Y (per sisma X) livello "Piano copertura"	100 [cm]
Limite spostamenti interpiano	0.005
Moltiplicatore sisma X per combinazioni di default	1
Moltiplicatore sisma Y per combinazioni di default	1
Fattore di struttura per sisma X	1
Fattore di struttura per sisma Y	1
Fattore di struttura per sisma Z	1
Applica 1% (§ 3.1.1)	Si
Coefficiente di sicurezza portanza fondazioni superficiali	2.3
Coefficiente di sicurezza scorrimento fondazioni superficiali	1.1
Coefficiente di sicurezza portanza verticale pali infissi, punta	1.15
Coefficiente di sicurezza portanza verticale pali infissi, laterale compressione	1.15
Coefficiente di sicurezza portanza verticale pali infissi, laterale trazione	1.25

Coefficiente di sicurezza portanza verticale pali trivellati, punta	1.35
Coefficiente di sicurezza portanza verticale pali trivellati, laterale compressione	1.15
Coefficiente di sicurezza portanza verticale pali trivellati, laterale trazione	1.25
Coefficiente di sicurezza portanza verticale micropali, punta	1.35
Coefficiente di sicurezza portanza verticale micropali, laterale compressione	1.15
Coefficiente di sicurezza portanza verticale micropali, laterale trazione	1.25
Coefficiente di sicurezza portanza trasversale pali	1.3
Fattore di correlazione resistenza caratteristica dei pali in base alle verticali indagate	1.7

3.1.2 Spettri NTC 08

Acc./g: *Accelerazione spettrale normalizzata ottenuta dividendo l'accelerazione spettrale per l'accelerazione di gravità.*
Periodo: *Periodo di vibrazione.*
Spettro di risposta elastico in accelerazione delle componenti orizzontali SLO § 3.2.3.2.1 (3.2.4)
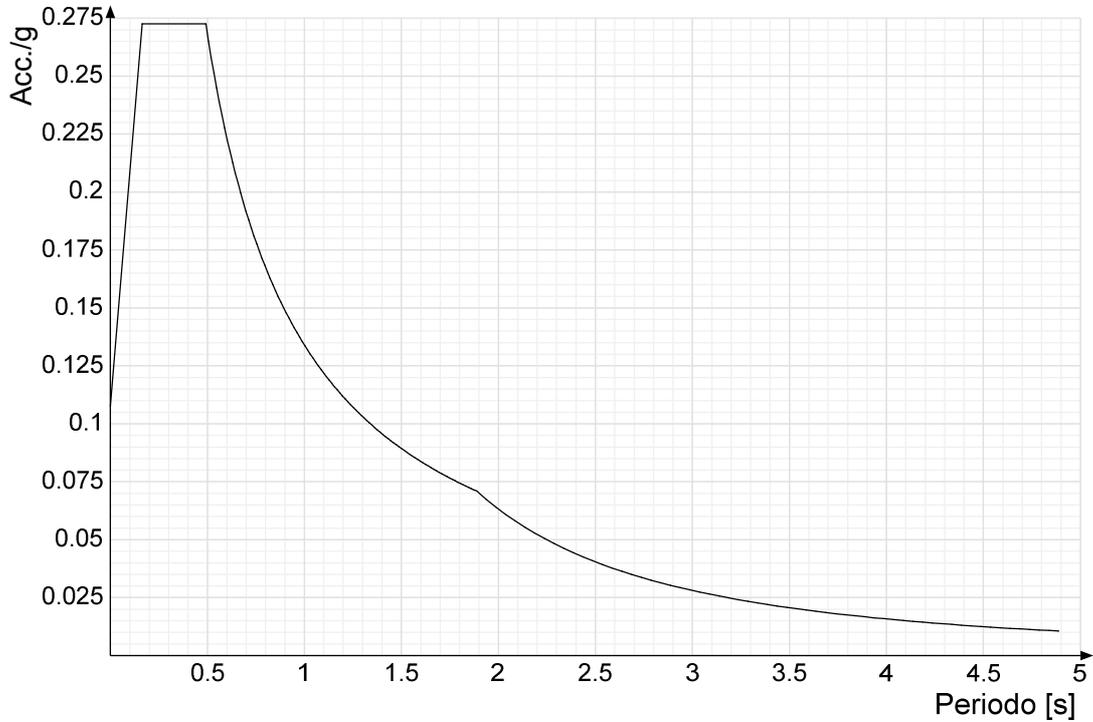
Spettro di risposta elastico in accelerazione delle componenti orizzontali SLD § 3.2.3.2.1 (3.2.4)
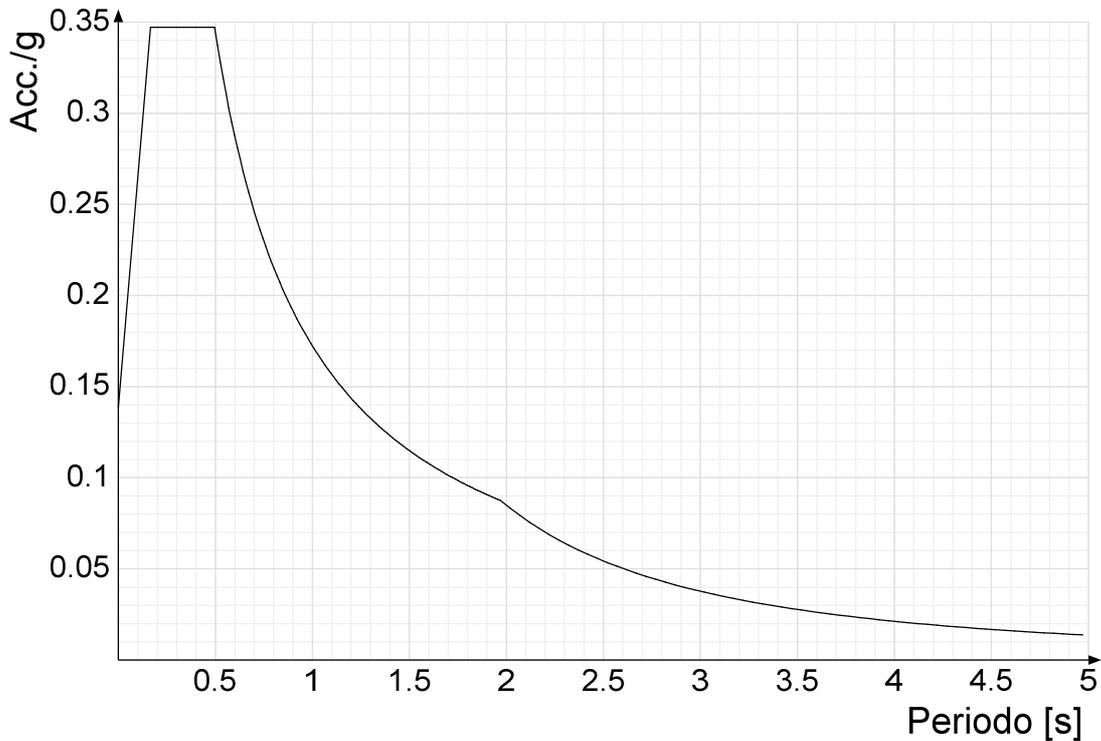
Spettro di risposta elastico in accelerazione delle componenti orizzontali SLV § 3.2.3.2.1 (3.2.4)
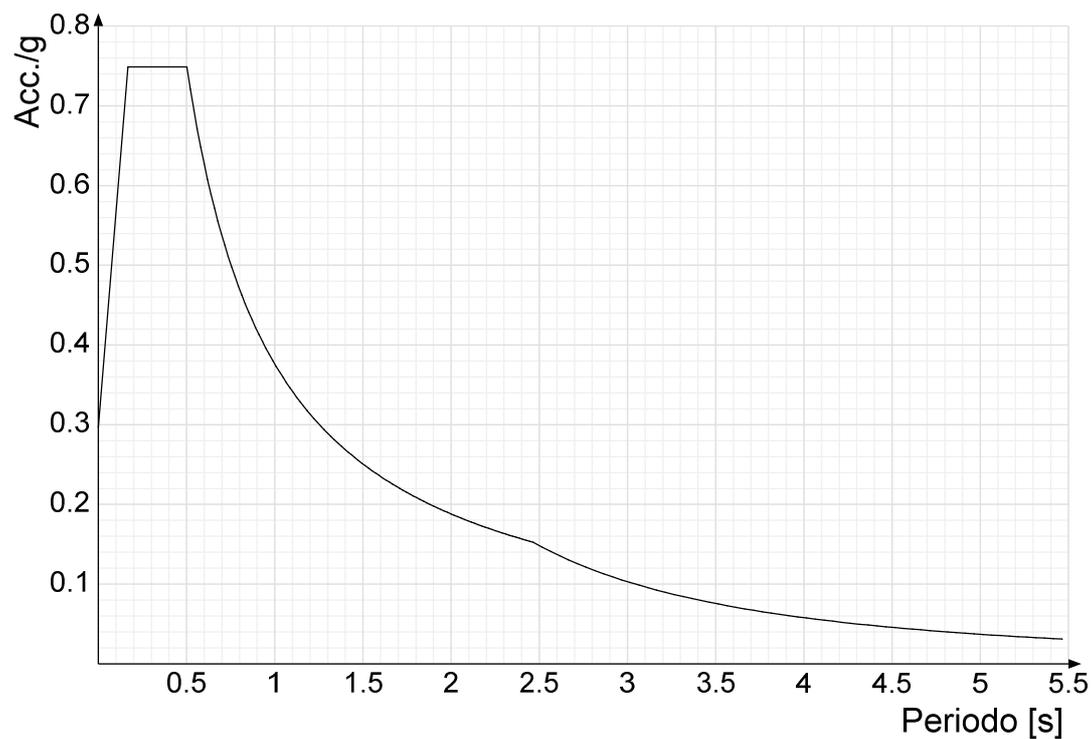
Spettro di risposta di progetto in accelerazione delle componenti orizzontali SLO § 3.2.3.4
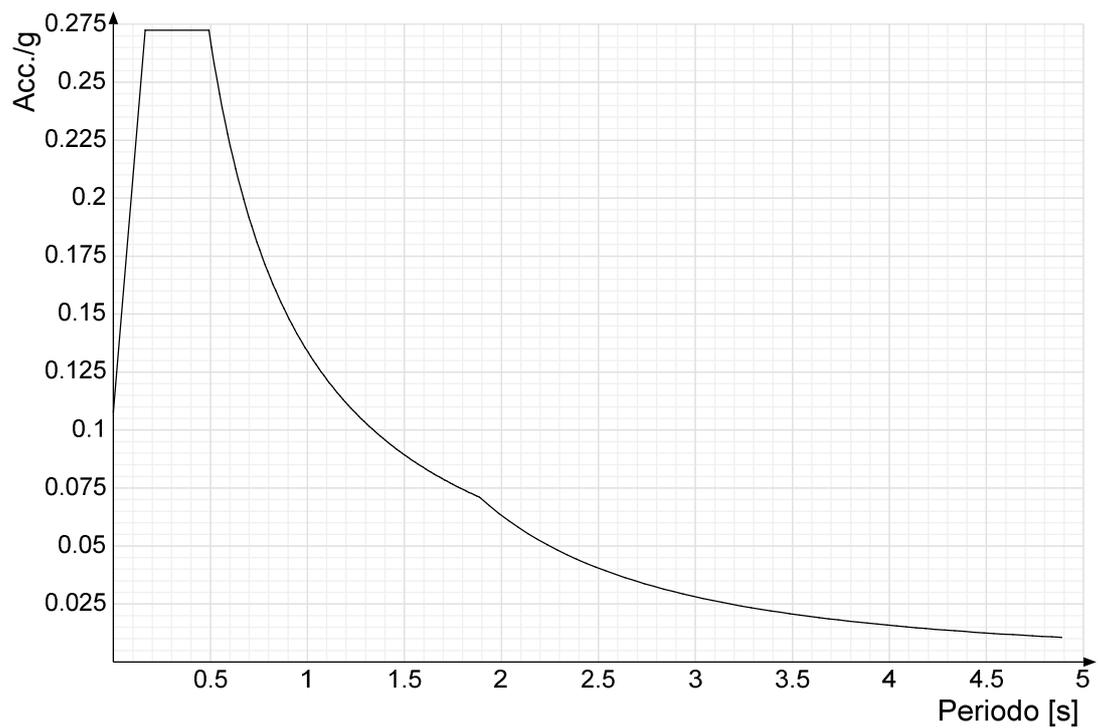
Spettro di risposta di progetto in accelerazione delle componenti orizzontali SLD § 7.3.7.1
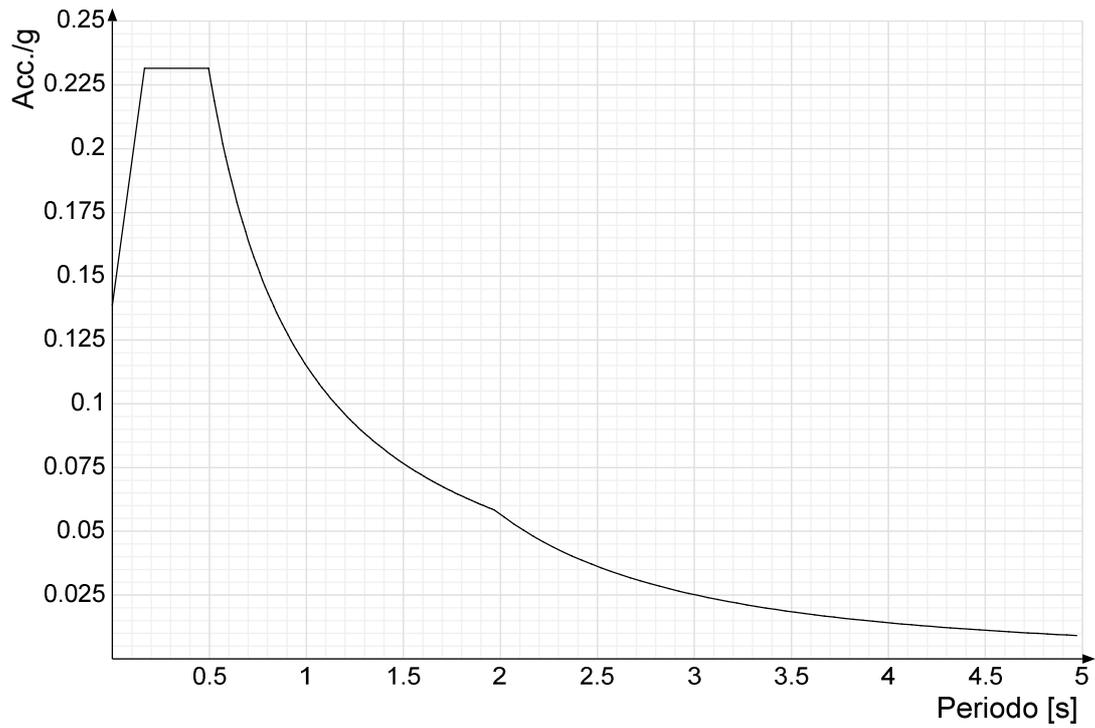
Spettro di risposta di progetto in accelerazione della componente X SLV § 3.2.3.5
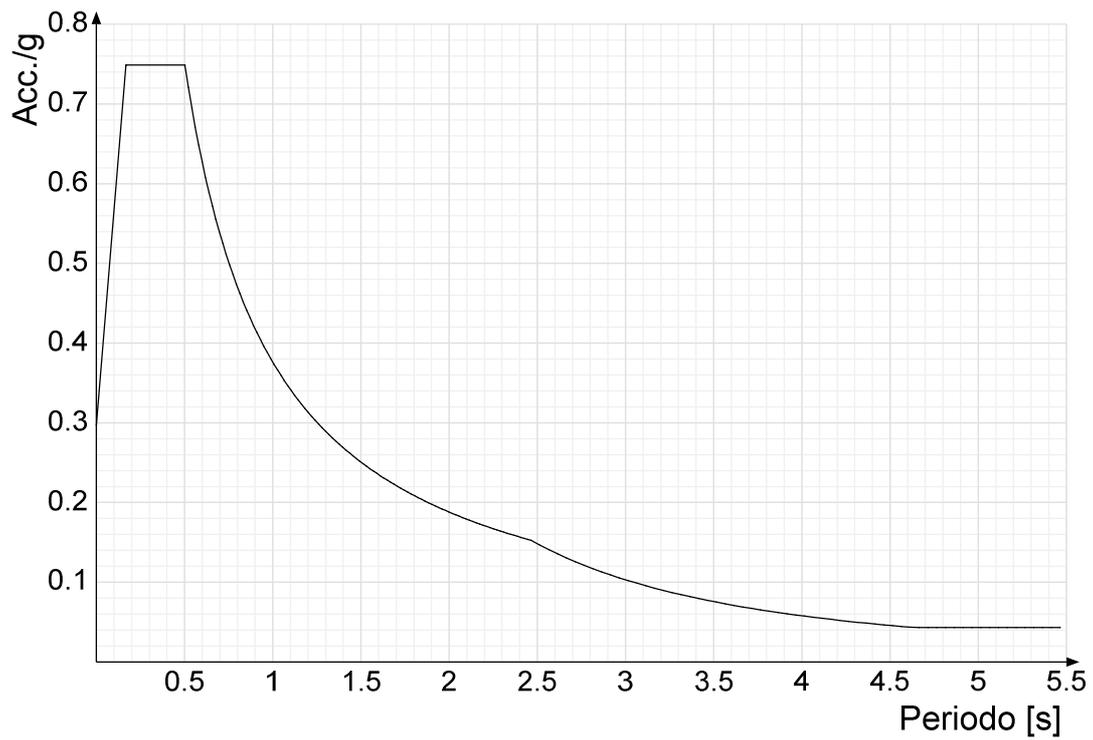
Spettro di risposta di progetto in accelerazione della componente Y SLV § 3.2.3.5
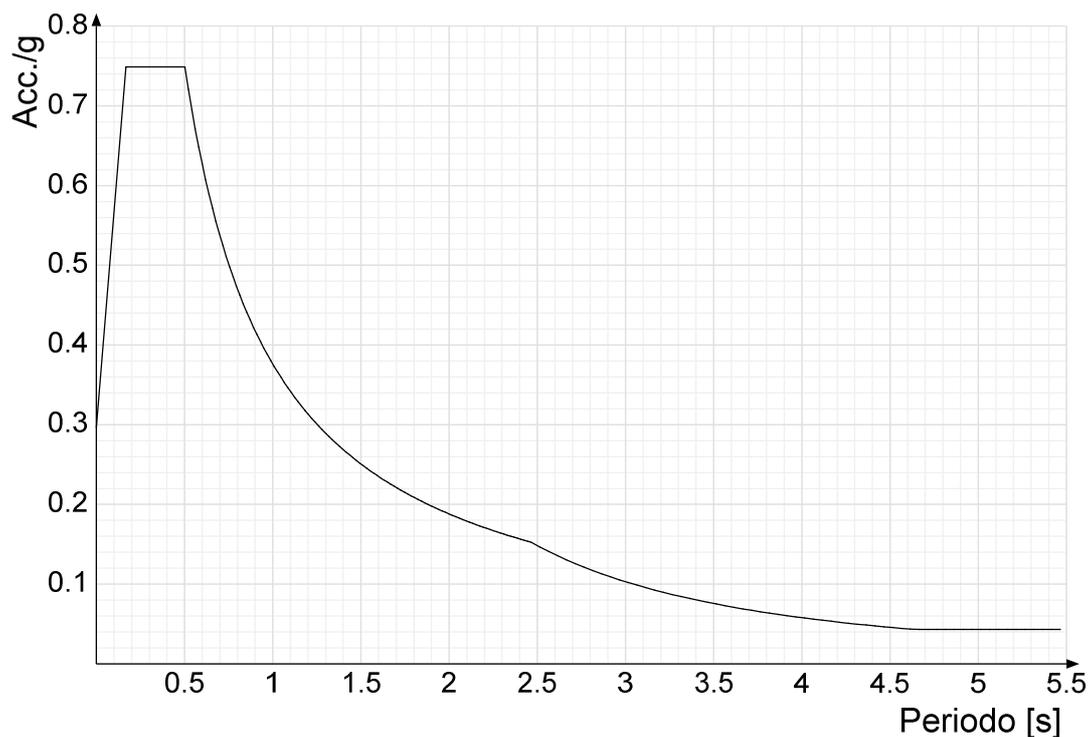
Confronti spettri SLV-SLD

Vengono confrontati lo spettro Spettro di risposta di progetto in accelerazione delle componenti orizzontali SLD § 7.3.7.1 (di colore rosso) e Spettro di risposta di progetto in accelerazione della componente X SLV § 3.2.3.5 (di colore nero).
Questo confronto tra spettri è valido anche per l'altra componente orizzontale, essendo coincidente.
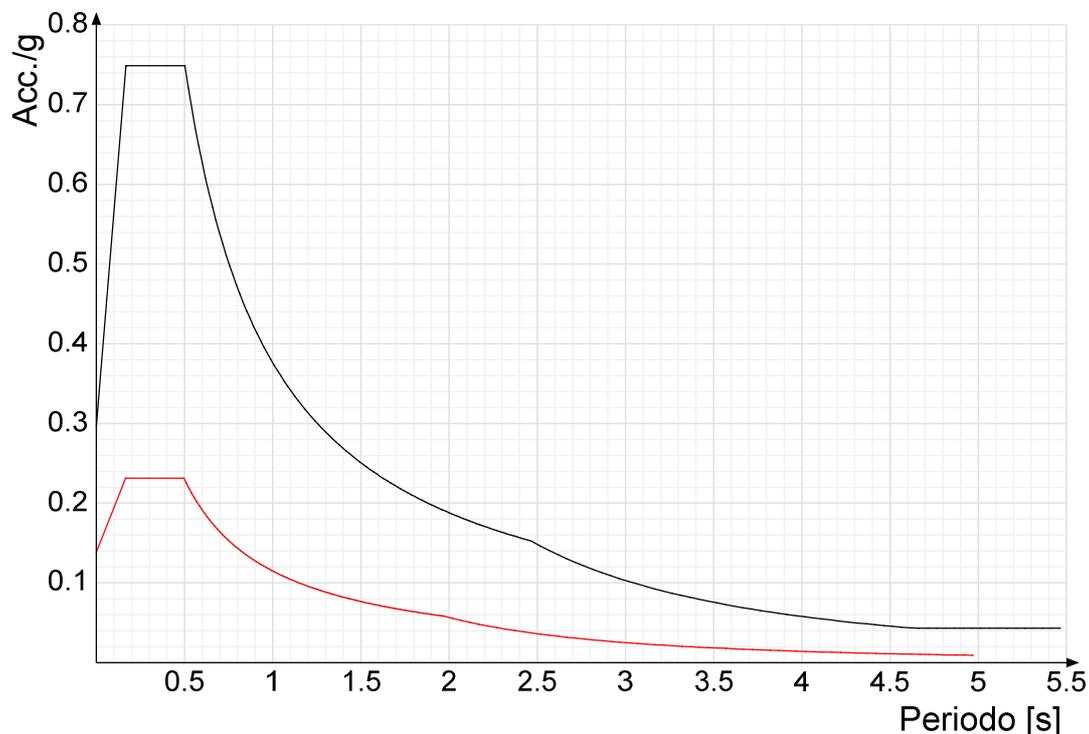
3.1.3 Preferenze di verifica
3.1.3.1 Normativa di verifica in uso

Norma di verifica	D.M. 14-01-08 (N.T.C.)
Cemento armato	Preferenze analisi di verifica in stato limite
Legno	Preferenze di verifica legno D.M. 14-01-08 (N.T.C.)
Acciaio	Preferenze di verifica acciaio D.M. 14-01-08 (N.T.C.)
Alluminio	Preferenze di verifica alluminio EC9
Pannelli in gessofibra	Preferenze di verifica pannelli gessofibra D.M. 14-01-08 (N.T.C.)

3.1.3.2 Normativa di verifica C.A.

Coefficiente di omogeneizzazione	15
γs (fattore di sicurezza parziale per l'acciaio)	1.15
γc (fattore di sicurezza parziale per il calcestruzzo)	1.5
Limite σc/fck in combinazione rara	0.6

Limite σc/fck in combinazione quasi permanente	0.45	
Limite σf/fyk in combinazione rara	0.8	
Coefficiente di riduzione della τ per cattiva aderenza	0.7	
Dimensione limite fessure w1 §4.1.2.2.4.1	0.02	[cm]
Dimensione limite fessure w2 §4.1.2.2.4.1	0.03	[cm]
Dimensione limite fessure w3 §4.1.2.2.4.1	0.04	[cm]
Fattori parziali di sicurezza unitari per meccanismi duttili di strutture esistenti con fattore q	No	
Copriferro secondo EC2	Si	

3.1.3.3 Normativa di verifica acciaio

γm0	1.05
γm1	1.05
γm2	1.25
Coefficiente riduttivo per effetto vettoriale	0.7
Calcolo coefficienti C1, C2, C3 per Mcr	automatico
Coefficienti α, β per flessione deviata	unitari
Verifica semplificata conservativa	si
L/e0 iniziale per profili accoppiati compressi	500
Metodo semplificato formula (4.2.76)	si
Escludi 6.2.6.7 e 6.2.6.8 in 7.5.4.4 e 7.5.4.6	si
Applica Nota 1 del prospetto 6.2	si
Riduzione fy per tubi tondi di classe 4	no
Effettua la verifica secondo 6.2.8 con irrigidimenti superiori (piastra di base)	si
Limite spostamento relativo interpiano e monopiano colonne	0.00333
Limite spostamento relativo complessivo multipiano colonne	0.002
Considera taglio resistente estremità sagomati	no
Fattori parziali di sicurezza unitari per meccanismi duttili di strutture esistenti con fattore q	no

3.1.4 Preferenze FEM

Dimensione massima ottimale mesh pareti (default)	80	[cm]
Dimensione massima ottimale mesh piastre (default)	80	[cm]
Tipo di mesh dei gusci (default)	Quadrilateri o triangoli	
Tipo di mesh imposta ai gusci	Specifico dell'elemento	
Metodo P-Delta	non utilizzato	
Analisi buckling	non utilizzata	
Rapporto spessore flessionale/membranale gusci muratura verticali	0.2	
Spessori membranale e flessionale pareti XLAM da sole tavole verticali	No	
Moltiplicatore rigidezza connettori pannelli pareti legno a diaframma	1	
Tolleranza di parallelismo	4.99	[deg]
Tolleranza di unicità punti	5	[cm]
Tolleranza generazione nodi di aste	1	[cm]
Tolleranza di parallelismo in suddivisione aste	4.99	[deg]
Tolleranza generazione nodi di gusci	4	[cm]
Tolleranza eccentricità carichi concentrati	100	[cm]
Considera deformazione a taglio delle piastre	Si	
Modello elastico pareti in muratura	Gusci	
Concentra masse pareti nei vertici	No	
Segno risultati analisi spettrale	Analisi statica	
Memoria utilizzabile dal solutore	8000000	
Metodo di risoluzione della matrice	AspenTech MA57	
Scrivi commenti nel file di input	No	
Scrivi file di output in formato testo	No	
Solidi colle e corpi ruvidi (default)	Solidi reali	
Moltiplicatore rigidezza molla torsionale applicata ad aste di fondazione	1	
Modello trave su suolo alla Winkler nel caso di modellazione lineare	Equilibrio elastico	

3.1.5 Moltiplicatori inerziali

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

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

3.1.6 Preferenze di analisi carichi superficiali

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

3.1.7 Preferenze del suolo

Fondazioni non modellate e struttura bloccata alla base	no	
Fondazioni bloccate orizzontalmente	no	
Considera peso sismico delle fondazioni	no	
Fondazioni superficiali e profonde su suolo elastoplastico	no	
Coefficiente di sottofondo verticale per fondazioni superficiali (default)	0.5	[daN/cm³]
Rapporto di coefficiente sottofondo orizzontale/verticale	0.5	
Pressione verticale limite sul terreno per abbassamento (default)	10	[daN/cm²]
Pressione verticale limite sul terreno per innalzamento (default)	0.001	[daN/cm²]
Metodo di calcolo della K verticale	Vesic	

Metodo di calcolo della portanza e della pressione limite	Hansen	
Terreno laterale di riporto da piano posa fondazioni (default)	Limo con argilla_Castellaneta_1	
Dimensione massima della discretizzazione del palo (default)	100	[cm]
Moltiplicatore coesione per pressione orizzontale limite nei pali	1	
Moltiplicatore spinta passiva per pressione orizzontale pali	1	
K punta palo (default)	4	[daN/cm³]
Pressione limite punta palo (default)	10	[daN/cm²]
Pressione per verifica schiacciamento fondazioni superficiali	12	[daN/cm²]
Calcola cedimenti fondazioni superficiali	si	
Spessore massimo strato	100	[cm]
Profondità massima	3000	[cm]
Cedimento assoluto ammissibile	5	[cm]
Cedimento differenziale ammissibile	5	[cm]
Cedimento relativo ammissibile	5	[cm]
Rapporto di inflessione F/L ammissibile	0.003333	
Rotazione rigida ammissibile	0.191	[deg]
Rotazione assoluta ammissibile	0.191	[deg]
Distorsione positiva ammissibile	0.191	[deg]
Distorsione negativa ammissibile	0.095	[deg]
Considera fondazioni compensate	si	
Coefficiente di riduzione della a Max attesa	0.31	
Condizione per la valutazione della spinta su pareti	Lungo termine	
Considera l'azione sismica del terreno anche su pareti sotto lo zero sismico	no	
Calcola cedimenti teorici pali	no	
Considera accorciamento del palo	si	
Distanza influenza cedimento palo	1000	[cm]
Distribuzione attrito laterale	Attrito laterale uniforme	
Ripartizione del carico	Ripartizione come da modello FEM	
Scelta terreno laterale	Media pesata degli strati coinvolti	
Scelta terreno punta	Media pesata degli strati coinvolti	
Cedimento assoluto ammissibile	5	[cm]
Cedimento medio ammissibile	5	[cm]
Cedimento differenziale ammissibile	5	[cm]
Rotazione rigida ammissibile	0.191	[deg]
Trascura la coesione efficace in verifica allo scorrimento	no	
Considera inclinazione spinta del terreno contro pareti	si	
Esegui verifica a liquefazione	no	
Metodo di verifica liquefazione	Seed-Idriss (1982)	
Coeff. di sicurezza minimo a liquefazione	1.3	
Magnitudo scaling factor per liquefazione	1	

3.2 Azioni e carichi

3.2.1 Condizioni elementari di carico

Descrizione: *Nome assegnato alla condizione elementare.*
Nome breve: *Nome breve assegnato alla condizione elementare.*
I/II: *Descrive la classificazione della condizione (necessario per strutture in acciaio e in legno).*
Durata: *Descrive la durata della condizione (necessario per strutture in legno).*
Psi0: *Coefficiente moltiplicatore Psi0. Il valore è adimensionale.*
Psi1: *Coefficiente moltiplicatore Psi1. Il valore è adimensionale.*
Psi2: *Coefficiente moltiplicatore Psi2. Il valore è adimensionale.*
Var.segno: *Descrive se la condizione elementare ha la possibilità di variare di segno.*

Descrizione	Nome breve	I/II	Durata	Psi0	Psi1	Psi2	Var.segno
Pesi strutturali	Pesi		Permanente				
Permanenti portati	Port.	I	Permanente				
Sovraccarico terreno	Sovraccarico terreno	I	Media	0.7	0.5	0.3	
Neve	Neve	I	Media	0.5	0.2	0	
Variabile copertura	Variabile copertura	I	Media	0	0	0	
Variabile calpestii, scale e pianerottoli	Variabile calpestii, scale e pianerottoli	I	Media	0.7	0.7	0.6	
1% X	1% X	II	Istantaneo				
1% Y	1% Y	II	Istantaneo				
ΔT	ΔT	II	Media	0.6	0.5	0	Si
Sisma X SLV	X SLV						
Sisma Y SLV	Y SLV						
Sisma Z SLV	Z SLV						
Eccentricità Y per sisma X SLV	EY SLV						
Eccentricità X per sisma Y SLV	EX SLV						
Sisma X SLO	X SLO						
Sisma Y SLO	Y SLO						
Sisma Z SLO	Z SLO						
Eccentricità Y per sisma X SLO	EY SLO						
Eccentricità X per sisma Y SLO	EX SLO						
Terreno sisma X SLV	Tr x SLV						
Terreno sisma Y SLV	Tr y SLV						
Terreno sisma Z SLV	Tr z SLV						
Terreno sisma X SLO	Tr x SLO						
Terreno sisma Y SLO	Tr y SLO						
Terreno sisma Z SLO	Tr z SLO						
Rig. Ux	R Ux						
Rig. Uy	R Uy						
Rig. Rz	R Rz						

3.2.2 Combinazioni di carico

Nome: *E' il nome esteso che contraddistingue la condizione elementare di carico.*
Nome breve: *E' il nome compatto della condizione elementare di carico, che viene utilizzato altrove nella relazione.*
Pesi: *Pesi strutturali*
Port.: *Permanenti portati*
Sovraccarico terreno: *Sovraccarico terreno*
Neve: *Neve*
Variabile copertura: *Variabile copertura*
Variabile calpestii, scale e pianerottoli: *Variabile calpestii, scale e pianerottoli*
1% X: *1% X*

1% Y: *1% Y*
ΔT: *ΔT*
X SLO: *Sisma X SLO*
Y SLO: *Sisma Y SLO*
Z SLO: *Sisma Z SLO*
EY SLO: *Eccentricità Y per sisma X SLO*
EX SLO: *Eccentricità X per sisma Y SLO*
Tr x SLO: *Terreno sisma X SLO*
Tr y SLO: *Terreno sisma Y SLO*
Tr z SLO: *Terreno sisma Z SLO*
X SLV: *Sisma X SLV*
Y SLV: *Sisma Y SLV*
Z SLV: *Sisma Z SLV*
EY SLV: *Eccentricità Y per sisma X SLV*
EX SLV: *Eccentricità X per sisma Y SLV*
Tr x SLV: *Terreno sisma X SLV*
Tr y SLV: *Terreno sisma Y SLV*
Tr z SLV: *Terreno sisma Z SLV*
R Ux: *Rig. Ux*
R Uy: *Rig. Uy*
R Rz: *Rig. Rz*

Tutte le combinazioni di carico vengono raggruppate per famiglia di appartenenza. Le celle di una riga contengono i coefficienti moltiplicatori della i-esima combinazione, dove il valore della prima cella è da intendersi come moltiplicatore associato alla prima condizione elementare, la seconda cella si riferisce alla seconda condizione elementare e così via.

Famiglia SLU

Il nome compatto della famiglia è SLU.

Nome	Nome breve	Pesi	Port.	Sovraccarico terreno	Neve	Variabile copertura	Variabile calpestii, scale e pianerottoli	1% X	1% Y	ΔT
1	SLU 1	1	1.4	1.4	1.4	1.4	1.4	-1	-1	0
2	SLU 2	1	1.4	1.4	1.4	1.4	1.4	-1	1	0
3	SLU 3	1	1.4	1.4	1.4	1.4	1.4	1	-1	0
4	SLU 4	1	1.4	1.4	1.4	1.4	1.4	1	1	0
5	SLU 5	1.3	1.4	1.4	1.4	1.4	1.4	-1	-1	0
6	SLU 6	1.3	1.4	1.4	1.4	1.4	1.4	-1	1	0
7	SLU 7	1.3	1.4	1.4	1.4	1.4	1.4	1	-1	0
8	SLU 8	1.3	1.4	1.4	1.4	1.4	1.4	1	1	0

Famiglia SLE rara

Il nome compatto della famiglia è SLE RA.

Nome	Nome breve	Pesi	Port.	Sovraccarico terreno	Neve	Variabile copertura	Variabile calpestii, scale e pianerottoli	ΔT
1	SLE RA 1	1	1	0.9	0.9	0.9	0.9	0

Famiglia SLE frequente

Il nome compatto della famiglia è SLE FR.

Nome	Nome breve	Pesi	Port.	Sovraccarico terreno	Neve	Variabile copertura	Variabile calpestii, scale e pianerottoli	ΔT
1	SLE FR 1	1	1	0.9	0.9	0.9	0.9	0

Famiglia SLE quasi permanente

Il nome compatto della famiglia è SLE QP.

Nome	Nome breve	Pesi	Port.	Sovraccarico terreno	Neve	Variabile copertura	Variabile calpestii, scale e pianerottoli	ΔT
1	SLE QP 1	1	1	0	0	0	0	0
2	SLE QP 2	1	1	0	0	0	0.6	0
3	SLE QP 3	1	1	0.3	0	0	0	0
4	SLE QP 4	1	1	0.3	0	0	0.6	0

Famiglia SLU eccezionale

Il nome compatto della famiglia è SLU EX.

Nome	Nome breve	Pesi	Port.	Sovraccarico terreno	Neve	Variabile copertura	Variabile calpestii, scale e pianerottoli	ΔT

Famiglia SLO

Il nome compatto della famiglia è SLO.

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

Nome	Nome breve	Pesi	Port.	Sovraccarico terreno	Neve	Variabile copertura	Variabile calpestii, scale e pianerottoli	ΔT	X SLO
1	SLO 1	1	1	0.3	0	0	0.6	0	-1
2	SLO 2	1	1	0.3	0	0	0.6	0	-1
3	SLO 3	1	1	0.3	0	0	0.6	0	-1
4	SLO 4	1	1	0.3	0	0	0.6	0	-1
5	SLO 5	1	1	0.3	0	0	0.6	0	-0.3
6	SLO 6	1	1	0.3	0	0	0.6	0	-0.3
7	SLO 7	1	1	0.3	0	0	0.6	0	-0.3
8	SLO 8	1	1	0.3	0	0	0.6	0	-0.3
9	SLO 9	1	1	0.3	0	0	0.6	0	0.3
10	SLO 10	1	1	0.3	0	0	0.6	0	0.3
11	SLO 11	1	1	0.3	0	0	0.6	0	0.3
12	SLO 12	1	1	0.3	0	0	0.6	0	0.3
13	SLO 13	1	1	0.3	0	0	0.6	0	1
14	SLO 14	1	1	0.3	0	0	0.6	0	1
15	SLO 15	1	1	0.3	0	0	0.6	0	1
16	SLO 16	1	1	0.3	0	0	0.6	0	1

Nome	Nome breve	Y SLO	Z SLO	EY SLO	EX SLO	Tr x SLO	Tr y SLO	Tr z SLO
1	SLO 1	-0.3	0	-1	0.3	-1	-0.3	0
2	SLO 2	-0.3	0	1	-0.3	-1	-0.3	0
3	SLO 3	0.3	0	-1	0.3	-1	0.3	0
4	SLO 4	0.3	0	1	-0.3	-1	0.3	0
5	SLO 5	-1	0	-0.3	1	-0.3	-1	0
6	SLO 6	-1	0	0.3	-1	-0.3	-1	0
7	SLO 7	1	0	-0.3	1	-0.3	1	0
8	SLO 8	1	0	0.3	-1	-0.3	1	0

Serbatoio Castellaneta - camera di manovra

Nome	Nome breve	Y SLO	Z SLO	EY SLO	EX SLO	Tr x SLO	Tr y SLO	Tr z SLO
9	SLO 9	−1	0	−0.3	1	0.3	−1	0
10	SLO 10	−1	0	0.3	−1	0.3	−1	0
11	SLO 11	1	0	−0.3	1	0.3	1	0
12	SLO 12	1	0	0.3	−1	0.3	1	0
13	SLO 13	−0.3	0	−1	0.3	1	−0.3	0
14	SLO 14	−0.3	0	1	−0.3	1	−0.3	0
15	SLO 15	0.3	0	−1	0.3	1	0.3	0
16	SLO 16	0.3	0	1	−0.3	1	0.3	0

Famiglia SLV

Il nome compatto della famiglia è SLV.

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

Nome	Nome breve	Pesi	Port.	Sovraccarico terreno	Neve	Variabile copertura	Variabile calpestii, scale e pianerottoli	ΔT	X SLV
1	SLV 1	1	1	0.3	0	0	0.6	0	−1
2	SLV 2	1	1	0.3	0	0	0.6	0	−1
3	SLV 3	1	1	0.3	0	0	0.6	0	−1
4	SLV 4	1	1	0.3	0	0	0.6	0	−1
5	SLV 5	1	1	0.3	0	0	0.6	0	−0.3
6	SLV 6	1	1	0.3	0	0	0.6	0	−0.3
7	SLV 7	1	1	0.3	0	0	0.6	0	−0.3
8	SLV 8	1	1	0.3	0	0	0.6	0	−0.3
9	SLV 9	1	1	0.3	0	0	0.6	0	0.3
10	SLV 10	1	1	0.3	0	0	0.6	0	0.3
11	SLV 11	1	1	0.3	0	0	0.6	0	0.3
12	SLV 12	1	1	0.3	0	0	0.6	0	0.3
13	SLV 13	1	1	0.3	0	0	0.6	0	1
14	SLV 14	1	1	0.3	0	0	0.6	0	1
15	SLV 15	1	1	0.3	0	0	0.6	0	1
16	SLV 16	1	1	0.3	0	0	0.6	0	1

Nome	Nome breve	Y SLV	Z SLV	EY SLV	EX SLV	Tr x SLV	Tr y SLV	Tr z SLV
1	SLV 1	−0.3	0	−1	0.3	−1	−0.3	0
2	SLV 2	−0.3	0	1	−0.3	−1	−0.3	0
3	SLV 3	0.3	0	−1	0.3	−1	0.3	0
4	SLV 4	0.3	0	1	−0.3	−1	0.3	0
5	SLV 5	−1	0	−0.3	1	−0.3	−1	0
6	SLV 6	−1	0	0.3	−1	−0.3	−1	0
7	SLV 7	1	0	−0.3	1	−0.3	1	0
8	SLV 8	1	0	0.3	−1	−0.3	1	0
9	SLV 9	−1	0	−0.3	1	0.3	−1	0
10	SLV 10	−1	0	0.3	−1	0.3	−1	0
11	SLV 11	1	0	−0.3	1	0.3	1	0
12	SLV 12	1	0	0.3	−1	0.3	1	0
13	SLV 13	−0.3	0	−1	0.3	1	−0.3	0
14	SLV 14	−0.3	0	1	−0.3	1	−0.3	0
15	SLV 15	0.3	0	−1	0.3	1	0.3	0
16	SLV 16	0.3	0	1	−0.3	1	0.3	0

Famiglia SLV fondazioni

Il nome compatto della famiglia è SLV FO.

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

Nome	Nome breve	Pesi	Port.	Sovraccarico terreno	Neve	Variabile copertura	Variabile calpestii, scale e pianerottoli	ΔT	X SLV
1	SLV FO 1	1	1	0.3	0	0	0.6	0	−1
2	SLV FO 2	1	1	0.3	0	0	0.6	0	−1
3	SLV FO 3	1	1	0.3	0	0	0.6	0	−1
4	SLV FO 4	1	1	0.3	0	0	0.6	0	−1
5	SLV FO 5	1	1	0.3	0	0	0.6	0	−0.3
6	SLV FO 6	1	1	0.3	0	0	0.6	0	−0.3
7	SLV FO 7	1	1	0.3	0	0	0.6	0	−0.3
8	SLV FO 8	1	1	0.3	0	0	0.6	0	−0.3
9	SLV FO 9	1	1	0.3	0	0	0.6	0	0.3
10	SLV FO 10	1	1	0.3	0	0	0.6	0	0.3
11	SLV FO 11	1	1	0.3	0	0	0.6	0	0.3
12	SLV FO 12	1	1	0.3	0	0	0.6	0	0.3
13	SLV FO 13	1	1	0.3	0	0	0.6	0	1
14	SLV FO 14	1	1	0.3	0	0	0.6	0	1
15	SLV FO 15	1	1	0.3	0	0	0.6	0	1
16	SLV FO 16	1	1	0.3	0	0	0.6	0	1

Nome	Nome breve	Y SLV	Z SLV	EY SLV	EX SLV	Tr x SLV	Tr y SLV	Tr z SLV
1	SLV FO 1	−0.3	0	−1	0.3	−1	−0.3	0
2	SLV FO 2	−0.3	0	1	−0.3	−1	−0.3	0
3	SLV FO 3	0.3	0	−1	0.3	−1	0.3	0
4	SLV FO 4	0.3	0	1	−0.3	−1	0.3	0
5	SLV FO 5	−1	0	−0.3	1	−0.3	−1	0
6	SLV FO 6	−1	0	0.3	−1	−0.3	−1	0
7	SLV FO 7	1	0	−0.3	1	−0.3	1	0
8	SLV FO 8	1	0	0.3	−1	−0.3	1	0
9	SLV FO 9	−1	0	−0.3	1	0.3	−1	0
10	SLV FO 10	−1	0	0.3	−1	0.3	−1	0
11	SLV FO 11	1	0	−0.3	1	0.3	1	0
12	SLV FO 12	1	0	0.3	−1	0.3	1	0
13	SLV FO 13	−0.3	0	−1	0.3	1	−0.3	0
14	SLV FO 14	−0.3	0	1	−0.3	1	−0.3	0
15	SLV FO 15	0.3	0	−1	0.3	1	0.3	0
16	SLV FO 16	0.3	0	1	−0.3	1	0.3	0

Famiglia Calcolo rigidezza torsionale/flessionale di piano

Il nome compatto della famiglia è CRTFP.

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

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

3.2.3 Definizioni di carichi lineari

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

Nome	Valori												
	Condizione	Fx i.	Fx f.	Fy i.	Fy f.	Fz i.	Fz f.	Mx i.	Mx f.	My i.	My f.	Mz i.	Mz f.
	Descrizione												
carroponte +_1	Pesi strutturali	0	0	0	0	0	0	0	0	0	0	0	0
	Permanenti portati	0	0	0	0	−11	−11	0	0	165	165	0	0
	Sovraccarico terreno	0	0	0	0	0	0	0	0	0	0	0	0
	Neve	0	0	0	0	0	0	0	0	0	0	0	0
	Variabile copertura	0	0	0	0	0	0	0	0	0	0	0	0
	Variabile calpestii, scale e pianerottoli	0	0	0	0	0	0	0	0	0	0	0	0
carroponte -_1	Pesi strutturali	0	0	0	0	0	0	0	0	0	0	0	0
	Permanenti portati	0	0	0	0	−11	−11	0	0	−165	−165	0	0
	Sovraccarico terreno	0	0	0	0	0	0	0	0	0	0	0	0
	Neve	0	0	0	0	0	0	0	0	0	0	0	0
	Variabile copertura	0	0	0	0	0	0	0	0	0	0	0	0
	Variabile calpestii, scale e pianerottoli	0	0	0	0	0	0	0	0	0	0	0	0

3.2.4 Definizioni di carichi superficiali

Nome: Nome identificativo della definizione di carico.
Valori: Valori associati alle condizioni di carico.
  Condizione: Condizione di carico a cui sono associati i valori.
   Descrizione: Nome assegnato alla condizione elementare.
  Valore: Modulo del carico superficiale applicato alla superficie. [daN/cm²]
  Applicazione: Modalità con cui il carico è applicato alla superficie.

Nome	Valori		
	Condizione	Valore	Applicazione
	Descrizione		
Sovraccarico terreno_2	Pesi strutturali	0	Verticale
	Permanenti portati	0	Verticale
	Sovraccarico terreno	0.2	Verticale
	Neve	0	Verticale
	Variabile copertura	0	Verticale
	Variabile calpestii, scale e pianerottoli	0	Verticale
Copertura tegoli_1	Pesi strutturali	0.035	Verticale
	Permanenti portati	0.02	Verticale
	Sovraccarico terreno	0	Verticale
	Neve	0.005	Verticale
	Variabile copertura	0.005	Verticale
	Variabile calpestii, scale e pianerottoli	0	Verticale
Pianerottolo ingresso_1	Pesi strutturali	0	Verticale
	Permanenti portati	0.01	Verticale
	Sovraccarico terreno	0	Verticale
	Neve	0	Verticale in proiezione
	Variabile copertura	0	Verticale
	Variabile calpestii, scale e pianerottoli	0.2	Verticale in proiezione
Calpestii_2	Pesi strutturali	0	Verticale
	Permanenti portati	0.008	Verticale
	Sovraccarico terreno	0	Verticale
	Neve	0	Verticale in proiezione
	Variabile copertura	0	Verticale
	Variabile calpestii, scale e pianerottoli	0.02	Verticale in proiezione
Zona apparecchiature_2	Pesi strutturali	0	Verticale
	Permanenti portati	0.008	Verticale
	Sovraccarico terreno	0	Verticale
	Neve	0	Verticale in proiezione
	Variabile copertura	0	Verticale
	Variabile calpestii, scale e pianerottoli	0.05	Verticale in proiezione
Pianerottolo accesso vasche_1	Pesi strutturali	0	Verticale
	Permanenti portati	0.008	Verticale
	Sovraccarico terreno	0	Verticale
	Neve	0	Verticale in proiezione

Nome	Valori		
	Condizione	Valore	Applicazione
	Descrizione		
	Variabile copertura	0	Verticale
	Variabile calpestii, scale e pianerottoli	0.04	Verticale in proiezione
scale_1	Pesi strutturali	0	Verticale
	Permanenti portati	0.01	Verticale in proiezione
	Sovraccarico terreno	0	Verticale
	Neve	0	Verticale in proiezione
	Variabile copertura	0	Verticale
	Variabile calpestii, scale e pianerottoli	0.04	Verticale in proiezione

3.3 Quote

3.3.1 Livelli

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

Descrizione breve	Descrizione	Quota	Spessore
L1	Fondo chiusura idraulica	-400	0
L2	Fondo pozzetti scarico	-275	0
L3	Fondazione lato vasche	-5	0
L4	Fondazione 2	106	0
L5	Pianerottolo riposo ingresso	264	0
L6	Piano copertura cunicolo	270	0
L7	Pianerottolo riposo accesso vasche	595	0
L8	Pianerottolo ingresso	630	0
L9	Piano copertura vasca	727	0
L10	Pianerottolo accesso vasche	730	0
L11	Carroponti	1172	0
L12	Piano copertura	1300	0

3.3.2 Tronchi

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

Descrizione breve	Descrizione	Quota 1	Quota 2
T1	Fondazione 2 – Piano copertura vasca	Fondazione 2	Piano copertura vasca
T2	Piano copertura cunicolo – Piano copertura	Piano copertura cunicolo	Piano copertura
T3	Fondo chiusura idraulica – Fondo pozzetti scarico	Fondo chiusura idraulica	Fondo pozzetti scarico
T4	Piano copertura cunicolo – Carroponti	Piano copertura cunicolo	Carroponti
T5	Carroponti – Piano copertura	Carroponti	Piano copertura
T6	Fondazione lato vasche – Fondazione 2	Fondazione lato vasche	Fondazione 2
T7	Fondazione lato vasche – Piano copertura_1	Fondazione lato vasche	Piano copertura
T8	Fondazione lato vasche – Piano copertura cunicolo_1	Fondazione lato vasche	Piano copertura cunicolo
T9	Fondo chiusura idraulica – Fondazione lato vasche_1	Fondo chiusura idraulica	Fondazione lato vasche
T10	Fondo pozzetti scarico – Fondazione lato vasche_1	Fondo pozzetti scarico	Fondazione lato vasche
T11	Pianerottolo ingresso – Pianerottolo riposo ingresso_1	Pianerottolo ingresso	Pianerottolo riposo ingresso
T12	Pianerottolo ingresso – Pianerottolo riposo accesso vasche_1	Pianerottolo ingresso	Pianerottolo riposo accesso vasche
T13	Pianerottolo riposo accesso vasche – Pianerottolo accesso vasche_1	Pianerottolo riposo accesso vasche	Pianerottolo accesso vasche
T14	Fondazione lato vasche – Carroponti_1	Fondazione lato vasche	Carroponti
T15	Fondazione lato vasche – Pianerottolo ingresso_1	Fondazione lato vasche	Pianerottolo ingresso
T16	Pianerottolo riposo ingresso – Fondazione lato vasche_1	Pianerottolo riposo ingresso	Fondazione lato vasche
T17	Fondo chiusura idraulica – Fondazione lato ingresso	Fondo chiusura idraulica	Fondazione 2
T18	Fondazione lato ingresso – Pianerottolo ingresso	Fondazione 2	Pianerottolo ingresso
T19	Fondazione lato ingresso – Carroponti	Fondazione 2	Carroponti
T20	Fondazione lato ingresso – Piano copertura	Fondazione 2	Piano copertura
T21	Pianerottolo ingresso – Pianerottolo accesso vasche	Pianerottolo ingresso	Pianerottolo accesso vasche

3.4 Elementi di input

3.4.1 Travi C.A.

3.4.1.1 Travi C.A. di piano

Sezione: *Riferimento ad una definizione di sezione C.A..*
P.i.: *Posizione dei punti d'inserimento rispetto alla geometria della sezione. SA=Sinistra anima, CA=Centro anima, DA=Destra anima*
Liv.: *Quota del punto di inserimento iniziale. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
Punto i.: *Punto di inserimento iniziale.*
  X: *Coordinata X. [cm]*
  Y: *Coordinata Y. [cm]*
Punto f.: *Punto di inserimento finale.*
  X: *Coordinata X. [cm]*
  Y: *Coordinata Y. [cm]*
Estr.: *Distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [cm]*
Mat.: *Riferimento ad una definizione di materiale calcestruzzo.*

Car.lin.: Riferimento alla definizione di un carico lineare.L: valori del carico espressi nel sistema locale dell'elemento.G: valori del carico espressi nel sistema globale.
DeltaT: Riferimento alla definizione di una variazione termica. Accetta anche il valore "Nessuno".
Sovr.: Aliquota di sovraresistenza da assicurare in verifica.
S.Z: Indica se l'elemento deve essere verificato considerando il sisma verticale.
C.i.: Svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.
C.f.: Svincolo o cerniera da applicare al relativo estremo dell'asta nel modello.
P.lin.: Peso per unità di lunghezza. [daN/cm]

Sezione	P.i.	Liv.	Punto i.		Punto f.		Estr.	Mat.	Car.lin.	DeltaT	Sovr.	S.Z	C.i.	C.f.	P.lin.
			X	Y	X	Y									
R 40x70	SA	L8	-90	-455	725	-455	0	C35/45_1	Nessuno; G		0	No	No	No	7
R 40x70	SA	L8	-110	-870	-110	-455	0	C35/45_1	Nessuno; G		0	No	No	No	7
R 45x80	SA	L10	-100	945	100	945	0	C35/45_1	Nessuno; G		0	No	No	No	9
R 30x40	CA	L11	725	930	100	930	0	C25/30	Nessuno; G		0	No	No	No	3
R 30x40	CA	L11	-100	930	-750	930	0	C25/30	Nessuno; G		0	No	No	No	3
R 30x40	CA	L11	-100	967.5	-750	967.5	0	C25/30	Nessuno; G		0	No	No	No	3
R 30x40	CA	L11	725	967.5	100	967.5	0	C25/30	Nessuno; G		0	No	No	No	3
R 45x80	SA	L12	-100	945	100	945	0	C35/45_1	Nessuno; G		0	No	No	No	9

3.4.1.2 Travi C.A. tra quote

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

Sezione	P.i.	Quota i.	Quota f.	Punto i.		Punto f.		Mat.	Car.lin.	DeltaT	Sovr.	S.Z	C.i.	C.f.	P.lin.
				X	Y	X	Y								
R 30x40	CA	650	650	-750	935	725	935	C25/30	Nessuno; G		0	No	No	No	3
R 30x40	CA	650	650	-750	971.2	-300	971.2	C25/30	Nessuno; G		0	No	No	No	3

3.4.2 Scale C.A.

3.4.2.1 Scale C.A. ad una rampa

Nome: Identificazione dell'elemento per i riferimenti dei pezzi di scala
T.m.: Tipo di modellazione FEM. R=Trave rampante, N=Trave nervata, G=Gusci
Tr.: Riferimento al tronco indicante la quota inferiore e superiore.
Punto iniziale: Punto iniziale di inserimento della scala.
  X: Coordinata X. [cm]
  Y: Coordinata Y. [cm]
Punto finale: Punto finale di inserimento della scala.
  X: Coordinata X. [cm]
  Y: Coordinata Y. [cm]
P.i.: Posizione dei punti d'inserimento rispetto alla geometria della scala. S=Sinistra, D=Destra
Finitura partenza: Spessore della finitura al piano di partenza. [cm]
Finitura arrivo: Spessore della finitura al piano di arrivo. [cm]
Finitura alzate: Spessore della finitura delle alzate dei gradini. [cm]
Finitura pedate: Spessore della finitura delle pedate dei gradini. [cm]
Peso finitura: Peso specifico medio della finitura, impiegato nell'analisi dei carichi; viene computato nella condizione 'Permanenti portati' o, in mancanza di questa, nella condizione 'Permanenti'. [daN/cm³]
Mat.: Riferimento ad una definizione di calcestruzzo.
  Desc.: Descrizione o nome assegnato all'elemento.
Carico: Riferimento alla definizione di un carico di superficie.
Alzata (A): Misura dell'alzata di ciascun gradino; in genere è compresa tra i 13 e i 20 cm. [cm]
Pedata (P): Misura della pedata di ciascun gradino: la legge sulle barriere architettoniche (D.M. Ministero dei LL. PP. 14/06/89 n°236) richiede una pedata minima di 30 cm. [cm]
2A+P: In architettura è nota come formula di "Blondel": la legge sulle barriere architettoniche (D.M. Ministero dei LL. PP. 14/06/89 n°236) richiede un valore compreso tra 62 e 64 cm. [cm]

Nome	T.m.	Tr.	Punto iniziale		Punto finale		P.i.	Finitura partenza	Finitura arrivo	Finitura alzate	Finitura pedate	Peso finitura	Mat.	Carico	Alzata (A)	Pedata (P)	2A+P
			X	Y	X	Y							Desc.				
ST2	G	T21	500	-455	500	-275	S	7	8	2	3	0.002	C35/45_1	scale_1	16.8	36	69.7

3.4.2.2 Scale C.A. a due rampe tre pianerottoli

Nome: *Identificazione dell'elemento per i riferimenti dei pezzi di scala*
T.m.: *Tipo di modellazione FEM. R=Trave rampante, N=Trave nervata, G=Gusci*
Tr.: *Riferimento al tronco indicante la quota inferiore e superiore.*
Punto iniziale: *Punto iniziale di inserimento della scala.*
  X: *Coordinata X. [cm]*
  Y: *Coordinata Y. [cm]*
Punto piega 1: *Punto in cui si articolano la prima e la seconda parte rettilinee della scala.*
  X: *Coordinata X. [cm]*
  Y: *Coordinata Y. [cm]*
Punto piega 2: *Punto in cui si articolano la seconda e la terza parte rettilinee della scala.*
  X: *Coordinata X. [cm]*
  Y: *Coordinata Y. [cm]*
Punto finale: *Punto finale di inserimento della scala.*
  X: *Coordinata X. [cm]*
  Y: *Coordinata Y. [cm]*
P.i.: *Posizione dei punti d'inserimento rispetto alla geometria della scala. S=Sinistra, D=Destra*
Finitura partenza: *Spessore della finitura al piano di partenza. [cm]*
Finitura arrivo: *Spessore della finitura al piano di arrivo. [cm]*
Finitura alzate: *Spessore della finitura delle alzate dei gradini. [cm]*
Finitura pedate: *Spessore della finitura delle pedate dei gradini. [cm]*
Peso finitura: *Peso specifico medio della finitura, impiegato nell'analisi dei carichi; viene computato nella condizione 'Permanenti portati' o, in mancanza di questa, nella condizione 'Permanenti'. [daN/cm³]*
Mat.: *Riferimento ad una definizione di calcestruzzo.*
  Desc.: *Descrizione o nome assegnato all'elemento.*
Carico: *Riferimento alla definizione di un carico di superficie.*
Alzata (A): *Misura dell'alzata di ciascun gradino; in genere è compresa tra i 13 e i 20 cm. [cm]*
Pedata (P): *Misura della pedata di ciascun gradino: la legge sulle barriere architettoniche (D.M. Ministero dei LL. PP. 14/06/89 n°236) richiede una pedata minima di 30 cm. [cm]*
2A+P: *In architettura è nota come formula di "Blondel": la legge sulle barriere architettoniche (D.M. Ministero dei LL. PP. 14/06/89 n°236) richiede un valore compreso tra 62 e 64 cm. [cm]*

Nome	T.m.	Tr.	Punto iniziale		Punto piega 1		Punto piega 2		Punto finale		P.i.	Finitura partenza	Finitura arrivo	Finitura alzate	Finitura pedate	Peso finitura	Mat.	Carico	Alzata (A)	Pedata (P)	2A+P
			X	Y	X	Y	X	Y	X	Y							Desc.				
ST1	G	T18	−140	−740	−500	−740	−500	−745	−110	−745	S	7	8	2	3	0.002	C35/45_1	scale_1	20.2	30	70.4

3.4.2.3 Piastre di scale C.A.

Scala: *Identificatore della scala C.A. a cui appartiene l'elemento*
Elemento: *Funzionalità dell'elemento nella scala.*
Spessore: *Spessore. [cm]*
Larghezza: *Larghezza. [cm]*
Lunghezza: *Lunghezza. Misurata sul bordo di inserimento della scala. [cm]*
N.a.: *Numero di alzate.*

Scala	Elemento	Spessore	Larghezza	Lunghezza	N.a.
ST1	Rampa 1	12	100	330	12
ST1	Pianerottolo 1	20	100	30	
ST1	Pianerottolo 2	20	100	5	
ST1	Pianerottolo 3	20	100	0	
ST1	Rampa 2	12	100	390	14
ST2	Rampa	15	100	180	6

3.4.3 Pilastri C.A.

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

Tr.	Sezione	P.i.	Punto		Ang.	Mat.	Car.lin.	DeltaT	Sovr.	S.Z	C.i.	C.f.	P.lin.	Corr.
			X	Y										
T8	R 60x50	DC	750	340	0	C35/45_1	Nessuno; G		0	No	No	No	7.5	37
T18	R 40x40	SA	250	−455	0	C35/45_1	Nessuno; G		0	No	No	No	4	36
T18	R 40x40	SA	−110	−455	0	C35/45_1	Nessuno; G		0	No	No	No	4	1

3.4.4 Fondazioni di piastre

Descrizione breve: *Descrizione breve usata nelle tabelle dei capitoli delle piastre di fondazione.*
Stratigrafia: *Stratigrafia del terreno nel punto medio in pianta dell'elemento.*
  Sondaggio: *È possibile indicare esplicitamente un sondaggio definito nelle preferenze oppure richiedere di estrapolare il sondaggio dalla definizione del sito espressa nelle preferenze.*
  Estradosso: *Distanza dalla quota superiore del sondaggio misurata in verticale con verso positivo verso l'alto. [cm]*
  Deformazione volumetrica: *Valore della deformazione volumetrica impiegato nel calcolo della pressione limite a rottura con la formula di Vesic. Il valore*

è adimensionale. Accetta anche il valore di default espresso nelle preferenze.
K verticale: *Coefficiente di sottofondo verticale del letto di molle. [daN/cm³]*
Limite compressione: *Pressione limite di plasticizzazione a compressione del letto di molle. [daN/cm²]*
Limite trazione: *Pressione limite di plasticizzazione a trazione del letto di molle. [daN/cm²]*

Descrizione breve	Stratigrafia			K verticale	Limite compressione	Limite trazione
	Sondaggio	Estradosso	Deformazione volumetrica			
FS1	Piu' vicino in sito	0		Da Stratigrafia (0.24)	Default (10)	Default (0.001)
FS2	Piu' vicino in sito	0		Da Stratigrafia (0.208)	Da Stratigrafia (31.453)	Da Stratigrafia (0.25)
FS3	Piu' vicino in sito	0		Da Stratigrafia (0.371)	Da Stratigrafia (23.245)	Da Stratigrafia (0.25)
FS4	Piu' vicino in sito	0		Da Stratigrafia (0.181)	Da Stratigrafia (21.901)	Da Stratigrafia (0.25)
FS5	Piu' vicino in sito	0		Da Stratigrafia (0.154)	Da Stratigrafia (20.403)	Da Stratigrafia (0.25)
FS6	Piu' vicino in sito	0		Da Stratigrafia (0.34)	Da Stratigrafia (29.434)	Da Stratigrafia (0.25)
FS7	Piu' vicino in sito	0		Da Stratigrafia (0.365)	Da Stratigrafia (30.566)	Da Stratigrafia (0.25)
FS8	Piu' vicino in sito	0		Da Stratigrafia (0.258)	Da Stratigrafia (21.926)	Da Stratigrafia (0.25)
FS9	Piu' vicino in sito	0		Da Stratigrafia (0.203)	Da Stratigrafia (22.812)	Da Stratigrafia (0.25)
FS10	Piu' vicino in sito	0		Da Stratigrafia (0.352)	Da Stratigrafia (24.703)	Da Stratigrafia (0.25)
FS11	Piu' vicino in sito	0		Da Stratigrafia (0.209)	Da Stratigrafia (24.129)	Da Stratigrafia (0.25)
FS12	Piu' vicino in sito	0		Da Stratigrafia (0.144)	Da Stratigrafia (20.337)	Da Stratigrafia (0.25)
FS13	Piu' vicino in sito	0		Da Stratigrafia (0.435)	Da Stratigrafia (23.247)	Da Stratigrafia (0.25)

3.4.5 Piastre C.A.
3.4.5.1 Piastre C.A. di piano
Livello: *Quota di inserimento espressa con notazione breve esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
Sp.: *Spessore misurato in direzione ortogonale al piano medio dell'elemento. [cm]*
Punti: *Punti di definizione in pianta.*
I.: *Indice del punto corrente nell'insieme dei punti di definizione dell'elemento.*
X: *Coordinata X. [cm]*
Y: *Coordinata Y. [cm]*
Estr.: *Distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [cm]*
Mat.: *Riferimento ad una definizione di calcestruzzo.*
Car.sup.: *Riferimento alla definizione di un carico superficiale. Accetta anche il valore "Nessuno".*
Car.pot.: *Riferimento alla definizione di un carico potenziale. Accetta anche il valore "Nessuno".*
DeltaT: *Riferimento alla definizione di una variazione termica. Accetta anche il valore "Nessuno".*
Sovr.: *Aliquota di sovraresistenza da assicurare in verifica.*
S.Z: *Indica se l'elemento deve essere verificato considerando il sisma verticale.*
P.sup.: *Peso per unità di superficie. [daN/cm²]*
Fond.: *Riferimento alla fondazione sottostante l'elemento.*
Fori: *Riferimenti a tutti gli elementi che forano la piastra.*

Livello	Sp.	Punti			Estr.	Mat.	Car.sup.	Car.pot.	DeltaT	Sovr.	S.Z	P.sup.	Fond.	Fori
		I.	X	Y										
L1	50	1	725	-165	0	C35/45_1	Calpestii_2			0	No	0.125	FS6	
		2	-180	-165										
		3	-180	-355										
		4	725	-355										
L2	120	1	-725	925	0	C35/45_1	Calpestii_2			0	No	0.3	FS1	
		2	-725	580										
		3	725	580										
		4	725	925										
L2	120	1	0	1075	0	C35/45_1	Sovraccarico terreno_2			0	No	0.3	FS2	
		2	0	925										
		3	725	925										
		4	725	580										
		5	0	580										
		6	0	430										
		7	875	430										
		8	875	1075										
L2	120	1	-875	1075	0	C35/45_1	Sovraccarico terreno_2			0	No	0.3	FS2	
		2	-875	430										
		3	0	430										
		4	0	580										
		5	-725	580										
		6	-725	925										
		7	0	925										
		8	0	1075										
L2	80	1	-10	135	0	C35/45_1				0	No	0.2	FS7	
		2	-190	135										
		3	-190	-185										
		4	-10	-185										
L3	30	1	-725	580	0	C35/45_1	Zona apparecchiature_2			0	No	0.075		H1, H2, H3
		2	725	580										
		3	725.2	925										
		4	-725	925										
L3	150	1	-725	310	0	C35/45_1	Sovraccarico terreno_2			0	No	0.375	FS3	
		2	-849.6	310										
		3	-849.6	-65										
		4	-725	-65										
L3	150	1	-725	580	0	C35/45_1	Zona apparecchiature_2			0	No	0.375	FS4	

Serbatoio Castellaneta - camera di manovra

Livello	Sp.	Punti			Estr.	Mat.	Car.sup.	Car.pot.	DeltaT	Sovr.	S.Z	P.sup.	Fond.	Fori
		I.	X	Y										
		2	−725	120										
		3	750	120										
		4	750	580										
L3	150	1	−175	−165	0	C35/45_1	Zona apparecchiature_2			0	No	0.375	FS8	H4, H5, H6, H7
		2	−175	−355										
		3	750	−355										
		4	750	−165										
L3	150	1	−25	120	0	C35/45_1	Zona apparecchiature_2			0	No	0.375	FS9	
		2	−25	−165										
		3	750	−165										
		4	750	120										
L3	150	1	−25	120	0	C35/45_1	Zona apparecchiature_2			0	No	0.375	FS10	H8
		2	−175	120										
		3	−175	−165										
		4	−25	−165										
L3	150	1	−725	120	0	C35/45_1	Zona apparecchiature_2			0	No	0.375	FS11	
		2	−725	−65										
		3	−400	−65										
		4	−400	−185										
		5	−175	−185										
		6	−175	120										
L3	150	1	849.9	−355	0	C35/45_1	Sovraccarico terreno_2			0	No	0.375	FS13	
		2	849.9	−40										
		3	749.8	−40										
		4	749.8	−355										
L4	150	1	725	−870	0	C35/45_1	Calpestii_2			0	No	0.375	FS5	
		2	725	−355										
		3	−175	−355										
		4	−175	−185										
		5	−400	−185										
		6	−400	−65										
		7	−725	−65										
		8	−725	−870										
L4	150	1	850	−355	0	C35/45_1	Sovraccarico terreno_2			0	No	0.375	FS12	
		2	725	−355										
		3	725	−870										
		4	−725	−870										
		5	−725	−65										
		6	−850	−65										
		7	−850	−995										
		8	850	−995										
L10	30	1	500	705	0	C35/45_1	Pianerottolo accesso vasche_1			0	No	0.075		
		2	500	−275										
		3	700	−275										
		4	700	905										
		5	−700	905										
		6	−700	705										

3.4.6 Pareti C.A.

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

Tr.	Sp.	P.i.	Punto i.		Punto f.		Mat.	Car.pot.	DeltaT	Sovr.	S.Z	Aperture
			X	Y	X	Y						
T9	40	Sinistra	−25	−145	725	−145	C35/45_1			0	No	
T9	40	Sinistra	725	−375	−180	−375	C35/45_1			0	No	
T9	40	Sinistra	−200	−355	−200	−165	C35/45_1			0	No	
T3	40	Sinistra	−180	−145	−25	−145	C35/45_1			0	No	
T9	50	Sinistra	750	−165	750	−355	C35/45_1			0	No	
T10	30	Sinistra	−190	−165	−190	120	C35/45_1			0	No	
T10	50	Sinistra	−725	950	725.2	950	C35/45_1			0	No	
T10	50	Destra	−725	555	725	555	C35/45_1			0	No	
T10	40	Sinistra	−180	−145	−25	−145	C35/45_1			0	No	
T10	50	Destra	−750	925	−750	580	C35/45_1			0	No	
T10	30	Sinistra	−175	135	−25	135	C35/45_1			0	No	
T10	50	Destra	750	580	750	925	C35/45_1			0	No	
T10	30	Sinistra	−10	120	−10	−165	C35/45_1			0	No	
T6	40	Centro	−850	−65	−725	−65	C35/45_1			0	No	
T6	40	Centro	725	−355	−175	−355	C35/45_1			0	No	
T6	40	Centro	−175	−184.3	−400	−184.3	C35/45_1			0	No	
T6	40	Centro	−180	−355	−180	−184.3	C35/45_1			0	No	
T6	40	Centro	−400	−184.3	−400	−65	C35/45_1			0	No	
T6	40	Centro	−725	−65	−400	−65	C35/45_1			0	No	
T14	50	Sinistra	−750	−45	−750	355	C35/45_1			0	No	W6
T14	45	Sinistra	−725	945	−100	945	C35/45_1			0	No	
T6	40	Centro	850	−355	725	−355	C35/45_1			0	No	
T14	45	Sinistra	100	945	725	945	C35/45_1			0	No	

Tr.	Sp.	P.i.	Punto i.		Punto f.		Mat.	Car.pot.	DeltaT	Sovr.	S.Z	Aperture
			X	Y	X	Y						
T14	50	Sinistra	750	5	750	-355	C35/45_1			0	No	W2, W3
T20	50	Sinistra	725	-895	-725	-895	C35/45_1			0	No	W1
T19	50	Sinistra	750	-355	750	-870	C35/45_1			0	No	W2
T19	50	Sinistra	-750	-870	-750	-45	C35/45_1			0	No	W5, W6
T4	50	Sinistra	750	340	750	5	C35/45_1			0	No	W3
T4	50	Sinistra	750	945	750	340	C35/45_1			0	No	W4
T4	50	Sinistra	-750	355	-750	927.5	C35/45_1			0	No	W7
T5	50	Centro	725	340	725	5	C35/45_1			0	No	
T5	50	Centro	725	5	725	-355	C35/45_1			0	No	
T5	50	Centro	725	-355	725	-870	C35/45_1			0	No	
T5	50	Centro	-725	-870	-725	-45	C35/45_1			0	No	
T5	45	Centro	-750	922.5	-100	922.5	C35/45_1			0	No	
T5	45	Centro	100	922.5	723.6	922.5	C35/45_1			0	No	
T5	50	Centro	-725	-45	-725	355	C35/45_1			0	No	
T5	50	Centro	-725	355	-725	927.5	C35/45_1			0	No	
T5	50	Centro	725	945	725	340	C35/45_1			0	No	

3.4.7 Aperture su pareti
Desc.: *Descrizione breve dell'apertura utilizzata dalle pareti.*
Tr.: *Riferimento al tronco indicante la quota inferiore e superiore.*
Sp.: *Spessore misurato in direzione ortogonale al piano medio dell'elemento. [cm]*
P.i.: *Posizione del punto di inserimento rispetto ad una sezione verticale, vista dal punto iniziale verso il punto finale.*
Porta: *Apertura fino al pavimento o presenza della chiusura inferiore.*
Architrave: *Presenza della chiusura superiore o apertura fino al soffitto.*
Larghezza: *Larghezza della finestra. [cm]*
Altezza: *Altezza della finestra. [cm]*
Dist.inf.: *Distanza dalla quota inferiore. [cm]*
Dist.lat.: *Distanza dal punto di riferimento. [cm]*
Punto di rif.: *Primo punto di riferimento in pianta.*
  X: *Coordinata X. [cm]*
  Y: *Coordinata Y. [cm]*
Punto di dir.: *Secondo punto in pianta che, in coppia col punto di riferimento, definisce la direzione e quindi il piano verticale su cui giace l'apertura.*
  X: *Coordinata X. [cm]*
  Y: *Coordinata Y. [cm]*

Desc.	Tr.	Sp.	P.i.	Porta	Architrave	Larghezza	Altezza	Dist.inf.	Dist.lat.	Punto di rif.		Punto di dir.	
										X	Y	X	Y
W2	T7	50	Sinistra	No	Si	400	100	807	0	750	-295	750	-695
W4	T7	50	Sinistra	No	Si	400	100	807	0	750	755	750	355
W3	T7	50	Sinistra	No	Si	400	100	807	0	750	230	750	-170
W5	T7	50	Sinistra	No	Si	400	100	807	0	-700	-295	-700	-695
W6	T7	50	Sinistra	No	Si	400	100	807	0	-700	230	-700	-170
W7	T7	50	Sinistra	No	Si	400	100	807	0	-700	755	-700	355
W1	T12	50	Destra	Si	Si	400	300		0	15	-895	515	-895

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

Carico	Livello	Punto i.		Punto f.		Estr.
		X	Y	X	Y	
carroponte -_1	Carroponti	725	950	725	330	0
carroponte -_1	Carroponti	725	330	725	5	0
carroponte -_1	Carroponti	725	5	725	-355	0
carroponte -_1	Carroponti	725	-355	725	-870	0
carroponte +_1	Carroponti	-725	927.5	-725	355	0
carroponte +_1	Carroponti	-725	355	-725	-45	0
carroponte +_1	Carroponti	-725	-45	-725	-870	0

3.4.9 Carichi superficiali
3.4.9.1 Comportamenti membranali
Descrizione breve: *Descrizione breve usata nelle tabelle dei carichi superficiali.*
Materiale: *Riferimento ad una definizione di calcestruzzo.N.B.: il peso degli elementi finiti membrana non viene computato.*
Spessore: *Spessore degli elementi membrana generati dalla modellazione. [cm]*
Variazione termica: *Riferimento alla definizione di una variazione termica. Accetta anche il valore "Nessuno".*

Descrizione breve	Materiale	Spessore	Variazione termica
ME1	C35/45_1	25	Nessuno

3.4.9.2 Carichi superficiali di piano
Carico: *Riferimento alla definizione di un carico di superficie.*
Solaio: *Riferimento alla definizione di una sezione di solaio. Accetta anche il valore "Nessuno".*
Liv.: *Quota di inserimento espressa con notazione breve esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
Punti: *Punti di definizione in pianta.*
  Indice: *Indice del punto corrente nell'insieme dei punti di definizione dell'elemento.*
  X: *Coordinata X. [cm]*
  Y: *Coordinata Y. [cm]*
Estr.: *Distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [cm]*
Angolo: *Direzione delle nervature che trasmettono il carico.Angolo misurato dal semiasse positivo delle ascisse in verso antiorario. [deg]*
Comp.: *Descrizione sintetica del comportamento del carico superficiale o, nel caso di comportamento membranale, riferimento alla decrizione analitica della membrana.*

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

Carico	Solaio	Liv.	Punti			Estr.	Angolo	Comp.	Fori
			Indice	X	Y				
Pianerottolo ingresso_1	C.A.; Pre 20x(5+30+5)/60; C35/45_1; XD2; 250	L8	1	725	-870	0	90	ME1	
			2	725	-475				
			3	-90	-475				
			4	-90	-870				
Copertura tegoli_1		L12	1	-725	-870	0	0	Rigido	
			2	725	-870				
			3	725	925				
			4	-725	925				

3.4.10 Carichi terreno
3.4.10.1 Carichi terreno di piano

Liv.: *Quota superiore del punto di inserimento iniziale. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
Q. lim. inf.: *Quota limite inferiore del diagramma di spinta. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
P.ini.: *Punto di inserimento iniziale.*
  X: *Coordinata X. [cm]*
  Y: *Coordinata Y. [cm]*
P.fin.: *Punto di inserimento finale.*
  X: *Coordinata X. [cm]*
  Y: *Coordinata Y. [cm]*
Dim.: *Dimensione del simbolo. [cm]*
Pos.: *Posizione del terreno rispetto ai due punti di definizione.*
Ang.: *Angolo di inclinazione, rispetto l'orizzontale, del profilo superiore del terreno nella direzione normale alla parete. [deg]*
Terreno: *Riferimento alla definizione di un terreno.*
Metodo spinta terra: *Metodo di valutazione della spinta del terreno: "Spinta a riposo Ko + Wood" per muri rigidamente vincolati; "Mononobe-Okabe" per muri liberi al piede.*
Distr. sp. sism.: *Distribuzione della spinta sismica del terreno: "Costante" per muri rigidamente vincolati; "Litostatico", "Litostatico inverso" per muri liberi al piede.*
Coeff. Bm: *Coefficiente Bm di riduzione dell'accelerazione massima attesa al sito. Per muri che non siano in grado di subire spostamenti relativi rispetto al terreno o in presenza di terreni non coesivi saturi, il coefficiente Bm assume valore unitario. Il valore è adimensionale.*
Falda: *Permette di definire l'eventuale falda freatica.*
Sovr.: *Riferimento alla definizione di un carico di superficie, pensato uniformemente distribuito al di sopra del terreno. Accetta anche il valore "Nessuno".*

Liv.	Q. lim. inf.	P.ini.		P.fin.		Dim.	Pos.	Ang.	Terreno	Metodo spinta terra	Distr. sp. sism.	Coeff. Bm	Falda	Sovr.
		X	Y	X	Y									
L3		-675	555	500	555	Default (100)	Destra	0	Terreno vegetale_spinta pareti_1	Spinta a riposo Ko + Wood	Costante	1		Sovraccarico terreno_2
L3		-725	925	725	925	Default (100)	Sinistra	0	Terreno vegetale_spinta pareti_1	Spinta a riposo Ko + Wood	Costante	1		Sovraccarico terreno_2
L3		-10	-145	700	-145	Default (100)	Sinistra	0	Terreno vegetale_spinta pareti_1	Spinta a riposo Ko + Wood	Costante	1		Sovraccarico terreno_2
L3		-190	-145	-190	120	Default (100)	Sinistra	0	Terreno vegetale_spinta pareti_1	Spinta a riposo Ko + Wood	Costante	1		Sovraccarico terreno_2
L3		-175	135	-25	135	Default (100)	Sinistra	0	Terreno vegetale_spinta pareti_1	Spinta a riposo Ko + Wood	Costante	1		Sovraccarico terreno_2
L3		-10	120	-10	-145	Default (100)	Sinistra	0	Terreno vegetale_spinta pareti_1	Spinta a riposo Ko + Wood	Costante	1		Sovraccarico terreno_2
L4		750	-375	-200	-375	Default (100)	Sinistra	0	Terreno vegetale_spinta pareti_1	Spinta a riposo Ko + Wood	Costante	1		Sovraccarico terreno_2
L4		-200	-355	-200	-205	Default (100)	Sinistra	0	Terreno vegetale_spinta pareti_1	Spinta a riposo Ko + Wood	Costante	1		Sovraccarico terreno_2
L8		-725	-895	725	-895	Default (100)	Destra	0	Terreno vegetale_spinta pareti_1	Spinta a riposo Ko + Wood	Costante	1		Sovraccarico terreno_2
L8		750	305	750	-870	Default (100)	Sinistra	0	Terreno vegetale_spinta pareti_1	Spinta a riposo Ko + Wood	Costante	1		Sovraccarico terreno_2
L8		-750	-870	-750	305	Default (100)	Sinistra	0	Terreno vegetale_spinta pareti_1	Spinta a riposo Ko + Wood	Costante	1		Sovraccarico terreno_2

3.4.11 Fori su piastre e carichi superficiali
3.4.11.1 Fori di piano

Desc.: *Descrizione breve del foro utilizzata dagli elementi forabili come piastre e carichi superficiali.*
Quota: *Quota di inserimento esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
Livello: *Quota di inserimento espressa con notazione breve esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]*
Estradosso: *Distanza dalla quota di inserimento misurata in direzione ortogonale al piano della quota e con verso positivo verso l'alto. [cm]*
Spessore: *Spessore misurato in direzione ortogonale al piano medio dell'elemento. [cm]*
Punti: *Punti di definizione in pianta.*
  Indice: *Indice del punto corrente nell'insieme dei punti di definizione dell'elemento.*

X: *Coordinata X. [cm]*
Y: *Coordinata Y. [cm]*

Desc.	Quota	Livello	Estradosso	Spessore	Punti		
					Indice	X	Y
H1	Fondazione lato vasche	L3	0	30	1	−444.9	778
					2	−354.9	778
					3	−354.9	868
					4	−444.9	868
H3	Fondazione lato vasche	L3	0	30	1	−44.9	778
					2	45.1	778
					3	45.1	868
					4	−44.9	868
H2	Fondazione lato vasche	L3	0	30	1	455.1	778
					2	545.1	778
					3	545.1	868
					4	455.1	868
H4	Fondazione lato vasche	L3	0	30	1	380	−215
					2	290	−215
					3	290	−305
					4	380	−305
H5	Fondazione lato vasche	L3	0	30	1	214.5	−185
					2	124.5	−185
					3	124.5	−335
					4	214.5	−335
H6	Fondazione lato vasche	L3	0	30	1	84.5	−185
					2	−5.5	−185
					3	−5.5	−335
					4	84.5	−335
H7	Fondazione lato vasche	L3	0	30	1	−35	−215
					2	−125	−215
					3	−125	−305
					4	−35	−305
H8	Fondazione lato vasche	L3	0	30	1	−40	−15
					2	−40	105
					3	−160	105
					4	−160	−15

4 Risultati numerici
4.1 Spostamenti di interpiano estremi

Nodo inferiore: Nodo inferiore.
  I.: Numero dell'elemento nell'insieme che lo contiene.
  Pos.: Coordinate del nodo.
    X: Coordinata X. [cm]
    Y: Coordinata Y. [cm]
    Z: Coordinata Z. [cm]
Nodo superiore: Nodo superiore.
  I.: Numero dell'elemento nell'insieme che lo contiene.
  Pos.: Coordinate del nodo.
    Z: Coordinata Z. [cm]
Spost. rel.: Spostamento relativo. Il valore è adimensionale.
Comb.: Combinazione.
  n.b.: Nome breve o compatto della combinazione di carico.
Spostamento inferiore: Spostamento in pianta del nodo inferiore.
  X: Coordinata X. [cm]
  Y: Coordinata Y. [cm]
Spostamento superiore: Spostamento in pianta del nodo superiore.
  X: Coordinata X. [cm]
  Y: Coordinata Y. [cm]
S.V.: Si intende non verificato qualora lo spostamento relativo sia superiore al valore limite espresso nelle preferenze di analisi.

Questo capitolo mostra gli spostamenti estremi per ogni interpiano in ognuna delle combinazioni di carico.
Per spostamenti estremi si intendono i primi 5 spostamenti massimi tra tutti gli interpiani che condividono la stessa quota iniziale e la stessa quota finale.
limite SLO = 0,003333

Nodo inferiore				Nodo superiore		Spost. rel.	Comb.	Spostamento inferiore		Spostamento superiore		S.V.
I.	Pos.			I.	Pos.		n.b.	X	Y	X	Y	
	X	Y	Z		Z							
163	−175	120	−275	972	−5	0.002576	SLO 1	−0.855	1.037	−1.325	0.524	si
167	−25	120	−275	976	−5	0.002541	SLO 1	−0.855	0.967	−1.328	0.47	si
132	−180	−165	−275	829	−5	0.002537	SLO 1	−0.978	1.04	−1.434	0.529	si
135	−25	−165	−275	834	−5	0.002502	SLO 1	−0.979	0.969	−1.435	0.471	si
1378	725	−870	106	2668	630	0.002444	SLO 1	−1.877	0.266	−2.769	−0.653	si
163	−175	120	−275	972	−5	0.00257	SLO 2	−0.857	1.054	−1.323	0.541	si
167	−25	120	−275	976	−5	0.002534	SLO 2	−0.857	0.971	−1.326	0.473	si
132	−180	−165	−275	829	−5	0.002531	SLO 2	−1.004	1.058	−1.457	0.547	si
135	−25	−165	−275	834	−5	0.002495	SLO 2	−1.005	0.973	−1.458	0.474	si
1378	725	−870	106	2668	630	0.002438	SLO 2	−1.961	0.204	−2.847	−0.716	si
1378	725	−870	106	2668	630	0.001888	SLO 3	−1.813	1	−2.651	0.474	si
891	−400	−65	−5	1744	106	0.00187	SLO 3	−1.322	1.232	−1.518	1.163	si
884	−725	−65	−5	1740	106	0.00185	SLO 3	−1.322	1.335	−1.517	1.27	si
1972	725	922.5	270	3582	1172	0.001843	SLO 3	−1.413	0.955	−2.881	0.177	si
825	−400	−184.3	−5	1720	106	0.001823	SLO 3	−1.37	1.232	−1.56	1.163	si
1378	725	−870	106	2668	630	0.00188	SLO 4	−1.897	0.937	−2.729	0.411	si
891	−400	−65	−5	1744	106	0.00186	SLO 4	−1.336	1.269	−1.531	1.2	si
884	−725	−65	−5	1740	106	0.001839	SLO 4	−1.336	1.4	−1.53	1.335	si
1972	725	922.5	270	3582	1172	0.001831	SLO 4	−1.337	0.892	−2.793	0.112	si
825	−400	−184.3	−5	1720	106	0.001813	SLO 4	−1.395	1.269	−1.584	1.2	si
163	−175	120	−275	972	−5	0.002478	SLO 5	−0.259	0.435	−0.534	−0.175	si
167	−25	120	−275	976	−5	0.002442	SLO 5	−0.259	0.392	−0.536	−0.206	si
132	−180	−165	−275	829	−5	0.002442	SLO 5	−0.334	0.437	−0.586	−0.171	si
135	−25	−165	−275	834	−5	0.002411	SLO 5	−0.335	0.395	−0.588	−0.205	si
1586	−90	−475	106	2676	630	0.00231	SLO 5	−0.705	−0.429	−1.052	−1.588	si
163	−175	120	−275	972	−5	0.002475	SLO 6	−0.26	0.449	−0.532	−0.161	si
167	−25	120	−275	976	−5	0.002439	SLO 6	−0.26	0.395	−0.535	−0.203	si
132	−180	−165	−275	829	−5	0.002429	SLO 6	−0.355	0.452	−0.606	−0.157	si
135	−25	−165	−275	834	−5	0.002409	SLO 6	−0.356	0.398	−0.607	−0.202	si
1586	−90	−475	106	2676	630	0.002308	SLO 6	−0.746	−0.421	−1.088	−1.581	si
334	725	925	−275	1264	−5	0.001094	SLO 7	−0.253	1.598	−0.404	1.852	si
239	725	580	−275	1173	−5	0.001064	SLO 7	−0.308	1.598	−0.454	1.846	si
314	−725	925	−275	1243	−5	0.001032	SLO 7	−0.254	1.785	−0.409	2.016	si
219	−725	580	−275	1133	−5	0.00103	SLO 7	−0.302	1.785	−0.464	2.011	si
1586	−90	−475	106	2676	630	0.000669	SLO 7	−0.481	1.963	−0.613	2.288	si
334	725	925	−275	1264	−5	0.001088	SLO 8	−0.196	1.547	−0.345	1.801	si
239	725	580	−275	1173	−5	0.001058	SLO 8	−0.276	1.547	−0.419	1.795	si
314	−725	925	−275	1243	−5	0.001027	SLO 8	−0.196	1.839	−0.349	2.07	si
219	−725	580	−275	1133	−5	0.001025	SLO 8	−0.27	1.839	−0.429	2.065	si
1586	−90	−475	106	2676	630	0.000665	SLO 8	−0.522	1.971	−0.648	2.295	si
62	−25	−165	−400	135	−275	0.0023	SLO 9	0.084	0.616	0.183	0.346	si
60	−180	−165	−400	132	−275	0.002264	SLO 9	0.085	0.624	0.184	0.359	si
16	725	−355	−400	1670	106	0.002102	SLO 9	0.068	0.562	0.246	−0.486	si
74	725	−165	−400	853	−5	0.0021	SLO 9	0.076	0.563	0.197	−0.258	si
1586	−90	−475	106	2676	630	0.002096	SLO 9	0.246	−0.37	0.459	−1.448	si
62	−25	−165	−400	135	−275	0.002305	SLO 10	0.062	0.619	0.162	0.349	si
60	−180	−165	−400	132	−275	0.002268	SLO 10	0.062	0.639	0.163	0.374	si
16	725	−355	−400	1670	106	0.002105	SLO 10	0.031	0.511	0.214	−0.538	si
74	725	−165	−400	853	−5	0.002103	SLO 10	0.054	0.512	0.178	−0.309	si
1586	−90	−475	106	2676	630	0.002099	SLO 10	0.205	−0.362	0.423	−1.44	si
135	−25	−165	−275	834	−5	0.00137	SLO 11	0.062	1.822	0.399	1.975	si
163	−175	120	−275	972	−5	0.00137	SLO 11	0.082	1.826	0.421	1.973	si
167	−25	120	−275	976	−5	0.001369	SLO 11	0.082	1.821	0.419	1.974	si
132	−180	−165	−275	829	−5	0.001366	SLO 11	0.063	1.826	0.401	1.976	si
1264	725	925	−5	3582	1172	0.001136	SLO 11	0.216	1.911	1.356	2.609	si
135	−25	−165	−275	834	−5	0.001378	SLO 12	0.041	1.825	0.38	1.978	si
163	−175	120	−275	972	−5	0.001378	SLO 12	0.081	1.841	0.423	1.987	si
167	−25	120	−275	976	−5	0.001377	SLO 12	0.081	1.824	0.42	1.977	si
132	−180	−165	−275	829	−5	0.001374	SLO 12	0.042	1.841	0.381	1.99	si
1264	725	925	−5	3582	1172	0.001144	SLO 12	0.276	1.859	1.429	2.555	si
62	−25	−165	−400	135	−275	0.002294	SLO 13	0.518	0.976	0.748	0.804	si
60	−180	−165	−400	132	−275	0.002282	SLO 13	0.519	0.949	0.748	0.78	si
16	725	−355	−400	1670	106	0.002157	SLO 13	0.54	1.082	1.417	0.434	si
74	725	−165	−400	853	−5	0.00215	SLO 13	0.508	1.082	1.189	0.575	si

	Nodo inferiore			Nodo superiore		Spost. rel.	Comb.	Spostamento inferiore		Spostamento superiore		S.V.
I.	Pos.			I.	Pos.		n.b.	X	Y	X	Y	
	X	Y	Z		Z							
829	−180	−165	−5	1723	106	0.002019	SLO 13	1.193	0.638	1.384	0.521	si
62	−25	−165	−400	135	−275	0.002305	SLO 14	0.49	0.98	0.722	0.808	si
60	−180	−165	−400	132	−275	0.002292	SLO 14	0.491	0.967	0.722	0.798	si
16	725	−355	−400	1670	106	0.002167	SLO 14	0.495	1.02	1.379	0.371	si
74	725	−165	−400	853	−5	0.00216	SLO 14	0.481	1.021	1.166	0.513	si
1587	270	−475	106	2677	630	0.002028	SLO 14	1.39	0.573	2.336	0.089	si
74	725	−165	−400	853	−5	0.002017	SLO 15	0.482	1.442	1.249	1.226	si
132	−180	−165	−275	829	−5	0.00201	SLO 15	0.712	1.22	1.252	1.272	si
135	−25	−165	−275	834	−5	0.002007	SLO 15	0.711	1.247	1.251	1.299	si
16	725	−355	−400	1670	106	0.001996	SLO 15	0.515	1.441	1.486	1.167	si
163	−175	120	−275	972	−5	0.001986	SLO 15	0.679	1.221	1.213	1.271	si
74	725	−165	−400	853	−5	0.002028	SLO 16	0.455	1.38	1.226	1.163	si
132	−180	−165	−275	829	−5	0.002021	SLO 16	0.686	1.238	1.229	1.289	si
135	−25	−165	−275	834	−5	0.002018	SLO 16	0.685	1.251	1.228	1.302	si
16	725	−355	−400	1670	106	0.002007	SLO 16	0.47	1.38	1.448	1.105	si
163	−175	120	−275	972	−5	0.001996	SLO 16	0.678	1.238	1.214	1.288	si

4.2 Verifica effetti secondo ordine

Quota inf.: Quota inferiore esprimibile come livello, falda, piano orizzontale alla Z specificata, espressa con notazione breve. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]

Quota sup.: Quota superiore esprimibile come livello, falda, piano orizzontale alla Z specificata, espressa con notazione breve. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]

Comb.: Combinazione.

n.b.: Nome breve o compatto della combinazione di carico.

Carico verticale: Carico verticale. [daN]

Spostamento: Spostamento medio di interpiano. [cm]

Forza orizzontale totale: Forza orizzontale totale. [daN]

Altezza del piano: Altezza del piano. [cm]

Theta: Coefficiente Theta formula (7.3.2) § 7.3.1 NTC 2008. Il valore è adimensionale.

Quota inf.	Quota sup.	Comb.	Carico verticale	Spostamento	Forza orizzontale totale	Altezza del piano	Theta
		n.b.					
L1	L2	SLV 1	122681	0.575	37295	125	0.015
L1	L2	SLV 2	123312	0.572	40719	125	0.014
L1	L2	SLV 3	76067	0.575	29047	125	0.012
L1	L2	SLV 4	76698	0.571	31574	125	0.011
L1	L2	SLV 5	224254	0.537	56800	125	0.017
L1	L2	SLV 6	224776	0.537	58036	125	0.017
L1	L2	SLV 7	68874	0.392	46890	125	0.005
L1	L2	SLV 8	69396	0.39	45018	125	0.005
L1	L2	SLV 9	264657	0.603	65824	125	0.019
L1	L2	SLV 10	265178	0.605	65674	125	0.02
L1	L2	SLV 11	109276	0.34	63372	125	0.005
L1	L2	SLV 12	109798	0.34	60681	125	0.005
L1	L2	SLV 13	257355	0.669	77236	125	0.018
L1	L2	SLV 14	257986	0.673	74700	125	0.019
L1	L2	SLV 15	210740	0.578	78288	125	0.012
L1	L2	SLV 16	211372	0.581	75032	125	0.013
L1	L3	SLV 1	268360	1.997	245132	395	0.006
L1	L3	SLV 2	268394	1.987	229738	395	0.006
L1	L3	SLV 3	566241	1.668	331871	395	0.007
L1	L3	SLV 4	566275	1.656	319487	395	0.007
L1	L3	SLV 5	24112	1.875	196347	395	0.001
L1	L3	SLV 6	24084	1.872	196149	395	0.001
L1	L3	SLV 7	968826	1.072	436259	395	0.006
L1	L3	SLV 8	968854	1.07	433775	395	0.006
L1	L3	SLV 9	23076	1.729	247771	395	0
L1	L3	SLV 10	23104	1.732	256514	395	0
L1	L3	SLV 11	1016014	1.428	447704	395	0.008
L1	L3	SLV 12	1016042	1.434	450294	395	0.008
L1	L3	SLV 13	425655	1.97	346128	395	0.006
L1	L3	SLV 14	425689	1.981	361375	395	0.006
L1	L3	SLV 15	723536	2.022	396399	395	0.009
L1	L3	SLV 16	723570	2.034	408856	395	0.009
L2	L3	SLV 1	268360	1.468	245132	270	0.006
L2	L3	SLV 2	268394	1.461	229738	270	0.006
L2	L3	SLV 3	566241	1.184	331871	270	0.007
L2	L3	SLV 4	566275	1.176	319487	270	0.008
L2	L3	SLV 5	24112	1.302	196347	270	0.001
L2	L3	SLV 6	24084	1.3	196149	270	0.001
L2	L3	SLV 7	968826	0.717	436259	270	0.006
L2	L3	SLV 8	968854	0.715	433775	270	0.006
L2	L3	SLV 9	23076	1.054	247771	270	0
L2	L3	SLV 10	23104	1.056	256514	270	0
L2	L3	SLV 11	1016014	1.033	447704	270	0.009
L2	L3	SLV 12	1016042	1.036	450294	270	0.009
L2	L3	SLV 13	425655	1.237	346128	270	0.006
L2	L3	SLV 14	425689	1.245	361375	270	0.005
L2	L3	SLV 15	723536	1.384	396399	270	0.009
L2	L3	SLV 16	723570	1.392	408856	270	0.009
L3	L4	SLV 1	626337	0.607	471908	111	0.007
L3	L4	SLV 2	627578	0.605	459615	111	0.007
L3	L4	SLV 3	869555	0.519	479670	111	0.008
L3	L4	SLV 4	870797	0.516	466136	111	0.009
L3	L4	SLV 5	396921	0.531	458233	111	0.004
L3	L4	SLV 6	397997	0.53	457653	111	0.004
L3	L4	SLV 7	1207701	0.29	444927	111	0.007
L3	L4	SLV 8	1208727	0.29	440129	111	0.007
L3	L4	SLV 9	443499	0.464	494247	111	0.004
L3	L4	SLV 10	444525	0.464	500292	111	0.004
L3	L4	SLV 11	1254228	0.365	448548	111	0.009
L3	L4	SLV 12	1255254	0.366	451101	111	0.009
L3	L4	SLV 13	781429	0.53	546357	111	0.007
L3	L4	SLV 14	782670	0.532	559860	111	0.007
L3	L4	SLV 15	1024647	0.544	524236	111	0.01

Serbatoio Castellaneta - camera di manovra

Quota inf.	Quota sup.	Comb.	Carico verticale	Spostamento	Forza orizzontale totale	Altezza del piano	Theta
		n.b.					
L3	L4	SLV 16	1025889	0.547	537041	111	0.009
L1	L4	SLV 1	626337	2.669	471908	506	0.007
L1	L4	SLV 2	627578	2.656	459615	506	0.007
L1	L4	SLV 3	869555	2.154	479670	506	0.008
L1	L4	SLV 4	870797	2.139	466136	506	0.008
L1	L4	SLV 5	396971	2.456	458233	506	0.004
L1	L4	SLV 6	397997	2.452	457653	506	0.004
L1	L4	SLV 7	1207701	1.265	444927	506	0.007
L1	L4	SLV 8	1208727	1.262	440129	506	0.007
L1	L4	SLV 9	443499	2.121	494247	506	0.004
L1	L4	SLV 10	444525	2.125	500292	506	0.004
L1	L4	SLV 11	1254228	1.832	448548	506	0.01
L1	L4	SLV 12	1255254	1.839	451101	506	0.01
L1	L4	SLV 13	781429	2.416	546357	506	0.007
L1	L4	SLV 14	782670	2.431	559860	506	0.007
L1	L4	SLV 15	1024647	2.578	524236	506	0.01
L1	L4	SLV 16	1025889	2.592	537041	506	0.01
L4	L8	SLV 1	776823	3.035	581137	524	0.008
L4	L8	SLV 2	776531	3.022	580526	524	0.008
L4	L8	SLV 3	774117	2.483	600868	524	0.006
L4	L8	SLV 4	773825	2.467	600131	524	0.006
L4	L8	SLV 5	796397	2.713	602112	524	0.007
L4	L8	SLV 6	796155	2.709	602141	524	0.007
L4	L8	SLV 7	787376	1.489	614989	524	0.004
L4	L8	SLV 8	787134	1.483	614624	524	0.004
L4	L8	SLV 9	810489	2.25	616647	524	0.006
L4	L8	SLV 10	810248	2.255	616990	524	0.006
L4	L8	SLV 11	801468	2.055	585464	524	0.005
L4	L8	SLV 12	801227	2.06	585412	524	0.005
L4	L8	SLV 13	823799	2.562	578461	524	0.007
L4	L8	SLV 14	823507	2.579	579198	524	0.007
L4	L8	SLV 15	821092	2.796	552071	524	0.008
L4	L8	SLV 16	820800	2.812	552684	524	0.008
L3	L11	SLV 1	289694	6.67	260072	1177	0.006
L3	L11	SLV 2	289584	6.631	259724	1177	0.006
L3	L11	SLV 3	282925	5.279	258848	1177	0.005
L3	L11	SLV 4	282815	5.234	258489	1177	0.005
L3	L11	SLV 5	300011	5.977	286267	1177	0.005
L3	L11	SLV 6	299920	5.961	286200	1177	0.005
L3	L11	SLV 7	277447	3.019	284559	1177	0.003
L3	L11	SLV 8	277356	3.012	284467	1177	0.002
L3	L11	SLV 9	302093	4.801	285269	1177	0.004
L3	L11	SLV 10	302002	4.807	285361	1177	0.004
L3	L11	SLV 11	279529	4.594	285278	1177	0.004
L3	L11	SLV 12	279438	4.617	285346	1177	0.004
L3	L11	SLV 13	296634	5.56	258549	1177	0.005
L3	L11	SLV 14	296524	5.604	258908	1177	0.005
L3	L11	SLV 15	289864	6.242	259216	1177	0.006
L3	L11	SLV 16	289754	6.285	259564	1177	0.006
L6	L11	SLV 1	289694	5.095	260072	902	0.006
L6	L11	SLV 2	289584	5.065	259724	902	0.006
L6	L11	SLV 3	282925	4.249	258848	902	0.005
L6	L11	SLV 4	282815	4.214	258489	902	0.005
L6	L11	SLV 5	300011	4.364	286267	902	0.005
L6	L11	SLV 6	299920	4.354	286200	902	0.005
L6	L11	SLV 7	277447	2.329	284559	902	0.003
L6	L11	SLV 8	277356	2.318	284467	902	0.003
L6	L11	SLV 9	302093	3.629	285269	902	0.004
L6	L11	SLV 10	302002	3.638	285361	902	0.004
L6	L11	SLV 11	279529	3.234	285278	902	0.004
L6	L11	SLV 12	279438	3.249	285346	902	0.004
L6	L11	SLV 13	296634	4.365	258549	902	0.006
L6	L11	SLV 14	296524	4.4	258908	902	0.006
L6	L11	SLV 15	289864	4.696	259216	902	0.006
L6	L11	SLV 16	289754	4.73	259564	902	0.006
L6	L12	SLV 1	144886	5.769	147981	1030	0.005
L6	L12	SLV 2	144886	5.739	147981	1030	0.005
L6	L12	SLV 3	144607	4.666	148469	1030	0.004
L6	L12	SLV 4	144607	4.63	148469	1030	0.004
L6	L12	SLV 5	145215	5.022	156808	1030	0.005
L6	L12	SLV 6	145215	5.013	156808	1030	0.005
L6	L12	SLV 7	144286	2.521	157268	1030	0.002
L6	L12	SLV 8	144286	2.509	157268	1030	0.002
L6	L12	SLV 9	145218	4.051	157268	1030	0.004
L6	L12	SLV 10	145218	4.062	157268	1030	0.004
L6	L12	SLV 11	144289	3.776	156808	1030	0.003
L6	L12	SLV 12	144289	3.79	156808	1030	0.003
L6	L12	SLV 13	144897	4.833	148469	1030	0.005
L6	L12	SLV 14	144897	4.871	148469	1030	0.005
L6	L12	SLV 15	144618	5.344	147981	1030	0.005
L6	L12	SLV 16	144618	5.379	147981	1030	0.005
L3	L12	SLV 1	144886	7.107	147981	1305	0.005
L3	L12	SLV 2	144886	7.065	147981	1305	0.005
L3	L12	SLV 3	144607	6.069	148469	1305	0.005
L3	L12	SLV 4	144607	6.023	148469	1305	0.004
L3	L12	SLV 5	145215	6.198	156808	1305	0.004
L3	L12	SLV 6	145215	6.182	156808	1305	0.004
L3	L12	SLV 7	144286	3.536	157268	1305	0.002
L3	L12	SLV 8	144286	3.524	157268	1305	0.002
L3	L12	SLV 9	145218	5.455	157268	1305	0.004
L3	L12	SLV 10	145218	5.463	157268	1305	0.004
L3	L12	SLV 11	144289	4.548	156808	1305	0.003
L3	L12	SLV 12	144289	4.571	156808	1305	0.003
L3	L12	SLV 13	144897	6.417	148469	1305	0.005
L3	L12	SLV 14	144897	6.462	148469	1305	0.005
L3	L12	SLV 15	144618	6.66	147981	1305	0.005
L3	L12	SLV 16	144618	6.706	147981	1305	0.005
L4	L12	SLV 1	144886	6.439	147981	1194	0.005
L4	L12	SLV 2	144886	6.406	147981	1194	0.005

Quota inf.	Quota sup.	Comb.	Carico verticale	Spostamento	Forza orizzontale totale	Altezza del piano	Theta
		n.b.					
L4	L12	SLV 3	144607	5.488	148469	1194	0.004
L4	L12	SLV 4	144607	5.452	148469	1194	0.004
L4	L12	SLV 5	145215	5.662	156808	1194	0.004
L4	L12	SLV 6	145215	5.649	156808	1194	0.004
L4	L12	SLV 7	144286	3.235	157268	1194	0.002
L4	L12	SLV 8	144286	3.227	157268	1194	0.002
L4	L12	SLV 9	145218	4.993	157268	1194	0.004
L4	L12	SLV 10	145218	5	157268	1194	0.004
L4	L12	SLV 11	144289	4.153	156808	1194	0.003
L4	L12	SLV 12	144289	4.171	156808	1194	0.003
L4	L12	SLV 13	144897	5.819	148469	1194	0.005
L4	L12	SLV 14	144897	5.854	148469	1194	0.005
L4	L12	SLV 15	144618	6.035	147981	1194	0.005
L4	L12	SLV 16	144618	6.071	147981	1194	0.005
L8	L12	SLV 1	144886	3.594	147981	670	0.005
L8	L12	SLV 2	144886	3.578	147981	670	0.005
L8	L12	SLV 3	144607	3.069	148469	670	0.004
L8	L12	SLV 4	144607	3.049	148469	670	0.004
L8	L12	SLV 5	145215	3.158	156808	670	0.004
L8	L12	SLV 6	145215	3.153	156808	670	0.004
L8	L12	SLV 7	144286	1.812	157268	670	0.002
L8	L12	SLV 8	144286	1.805	157268	670	0.002
L8	L12	SLV 9	145218	2.794	157268	670	0.004
L8	L12	SLV 10	145218	2.8	157268	670	0.004
L8	L12	SLV 11	144289	2.323	156808	670	0.003
L8	L12	SLV 12	144289	2.33	156808	670	0.003
L8	L12	SLV 13	144897	3.266	148469	670	0.005
L8	L12	SLV 14	144897	3.286	148469	670	0.005
L8	L12	SLV 15	144618	3.382	147981	670	0.005
L8	L12	SLV 16	144618	3.402	147981	670	0.005
L11	L12	SLV 1	144886	0.652	147981	128	0.005
L11	L12	SLV 2	144886	0.648	147981	128	0.005
L11	L12	SLV 3	144607	0.552	148469	128	0.004
L11	L12	SLV 4	144607	0.547	148469	128	0.004
L11	L12	SLV 5	145215	0.59	156808	128	0.004
L11	L12	SLV 6	145215	0.589	156808	128	0.004
L11	L12	SLV 7	144286	0.336	157268	128	0.002
L11	L12	SLV 8	144286	0.335	157268	128	0.002
L11	L12	SLV 9	145218	0.52	157268	128	0.004
L11	L12	SLV 10	145218	0.521	157268	128	0.004
L11	L12	SLV 11	144289	0.422	156808	128	0.003
L11	L12	SLV 12	144289	0.424	156808	128	0.003
L11	L12	SLV 13	144897	0.577	148469	128	0.004
L11	L12	SLV 14	144897	0.581	148469	128	0.004
L11	L12	SLV 15	144618	0.596	147981	128	0.005
L11	L12	SLV 16	144618	0.6	147981	128	0.005

4.3 Baricentri delle rigidezze

Quota: Quota alla quale è stato valutato il baricentro delle rigidezze. esprimibile come livello, falda, piano orizzontale alla Z specificata. [cm]
Posizione: Posizione in pianta del baricentro delle rigidezze.
  X: Coordinata X. [cm]
  Y: Coordinata Y. [cm]
Baricentro masse: Posizione in pianta del baricentro delle masse.
  X: Coordinata X. [cm]
  Y: Coordinata Y. [cm]
Distanza: Distanza in pianta tra il baricentro delle rigidezze e il baricentro delle masse.
  X: Coordinata X. [cm]
  Y: Coordinata Y. [cm]

Quota	Posizione		Baricentro masse		Distanza	
	X	Y	X	Y	X	Y
L12	5.6	−82	−6.7	27.8	12.4	−109.8

4.4 Risposta modale

Modo: Identificativo del modo di vibrare.
Periodo: Periodo. [s]
Massa X: Massa partecipante in direzione globale X. Il valore è adimensionale.
Massa Y: Massa partecipante in direzione globale Y. Il valore è adimensionale.
Massa Z: Massa partecipante in direzione globale Z. Il valore è adimensionale.
Massa rot X: Massa rotazionale partecipante attorno la direzione globale X. Il valore è adimensionale.
Massa rot Y: Massa rotazionale partecipante attorno la direzione globale Y. Il valore è adimensionale.
Massa rot Z: Massa rotazionale partecipante attorno la direzione globale Z. Il valore è adimensionale.

Totale masse partecipanti:
Traslazione X: 0.999969
Traslazione Y: 0.99997
Traslazione Z: 0
Rotazione X: 0.999938
Rotazione Y: 0.999935
Rotazione Z: 0.999936

Modo	Periodo	Massa X	Massa Y	Massa Z	Massa rot X	Massa rot Y	Massa rot Z
1	0.590481113	0.911235992	0.017020395	0	0.01764281	0.950525052	0.000082992
2	0.53529074	0.016939654	0.927829847	0	0.937218017	0.0174979	0.001860102
3	0.440287118	0.002179775	0.000046843	0	0.000416366	0.000002102	0.994610262
4	0.118426119	0.06462219	0.002533781	0	0.001620826	0.029735511	0.002989959
5	0.110700111	0.00288584	0.049893193	0	0.042037404	0.001770089	0.000316514
6	0.095968101	0.000128212	0.001230102	0	0.000666418	0.00003947	0.000001457
7	0.07544711	0.001444794	0.000366154	0	0.000105862	0.00018097	0.000028861
8	0.063565824	0.000264677	0.000155472	0	0.000050096	0.000034067	0.0000177
9	0.054366047	0.000063443	0.000284769	0	0.000073198	0.0000178	0.000008609
10	0.045724949	0.000006154	0.00007263	0	0.000021079	0.000005115	0.000003398

Modo	Periodo	Massa X	Massa Y	Massa Z	Massa rot X	Massa rot Y	Massa rot Z
11	0.045139758	0.00003053	0.000002898	0	0.000007419	0.000030778	0.000004715
12	0.040567895	0.000000004	0.00000393	0	0.00000064	0.000000665	0.000000001
13	0.040129436	0.000019958	0.00000005	0	0.000000005	0.000012296	0.000000507
14	0.039239213	0.000002513	0.000008206	0	0.00000216	0.000002733	0
15	0.037609863	0.000033951	0.000028864	0	0.00002153	0.000019037	0.000000377
16	0.036787703	0.00007948	0.000001233	0	0.000003355	0.000043137	0.000001193
17	0.035205767	0.000001482	0.000038613	0	0.000042948	0.000000004	0.000000348
18	0.032078949	0.000003279	0.000004824	0	0.000001785	0.00000034	0.000004979
19	0.02838754	0.000005152	0.000003277	0	0.000000266	0.000003303	0.000000034
20	0.025027907	0.00000075	0.000010085	0	0.000001556	0.000000976	0.000001849
21	0.022751492	0.000007154	0.000000001	0	0.00000013	0.000005861	0.000000009
22	0.018987581	0.000002922	0.000004729	0	0.000002364	0.000003998	0.000000352
23	0.017227643	0.000002811	0.00000059	0	0.000000098	0.000001582	0.000000061
24	0.013391127	0.000004204	0.000002488	0	0.000000514	0.000000256	0.000001417
25	0.012020877	0.000001539	0.000002158	0	0.000000469	0.000000499	0.000000047
26	0.007606188	0.00000226	0.000000208	0	0.000000037	0.0000012	0.000000262
27	0.006440032	0.000000085	0.000002806	0	0.000000121	0.000000023	0.000000136
28	0.000890169	0.000000001	0.000000002	0	0.000000263	0.000000036	0.000000027
29	0.000847565	0.000000005	0	0	0.000000136	0.000000006	0.000000017
30	0.00074005	0.000000002	0	0	0.000000001	0.000000002	0.000000021

4.5 Equilibrio forze

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

Bilancio in condizione di carico: Pesi strutturali

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	−30060.581	330729.847	−2916869.51	−118614793	61550270	−16106018
Reazioni	30060.581	−330729.847	2916869.51	118614793	−61550270	16106018
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Permanenti portati

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	0	−126290.443	−4426037	2000258	0
Reazioni	0	0	126290.443	4426037	−2000258	0
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Sovraccarico terreno

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	6318.912	104752.036	−320929.856	−53879229	−1356135	−1892495
Reazioni	−6318.912	−104752.036	320929.856	53879229	1356135	1892495
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Neve

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	0	−12995.625	−341135	0	0
Reazioni	0	0	12995.625	341135	0	0
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Variabile copertura

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	0	−12995.625	−341135	0	0
Reazioni	0	0	12995.625	341135	0	0
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Variabile calpestii, scale e pianerottoli

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	0	−202285.954	4952564	27632371	0
Reazioni	0	0	202285.954	−4952564	−27632371	0
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: 1% X

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	18399.067	0	0	0	10576033	3850125
Reazioni	−18399.067	0	0	0	−10576033	−3850125
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: 1% Y

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	18399.067	0	−10576033	0	−115924
Reazioni	0	−18399.067	0	10576033	0	115924
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Sisma X SLV

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	899952.441	0	0	0	863001254	−2565703
Reazioni	−899952.441	0	0	0	−863001254	2565703
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Sisma Y SLV

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	899952.441	0	−863001254	0	17132057
Reazioni	0	−899952.441	0	863001254	0	−17132056
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Eccentricità Y per sisma X SLV

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	0	0	0	0	−21046845
Reazioni	0	0	0	0	0	21046845
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Eccentricità X per sisma Y SLV

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	0	0	0	0	14732792
Reazioni	0	0	0	0	0	−14732792
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Sisma X SLO

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	327556.904	0	0	0	314107730	−933842
Reazioni	−327556.904	0	0	0	−314107730	933842
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Sisma Y SLO

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	327556.904	0	−314107730	0	6235578
Reazioni	0	−327556.904	0	314107730	0	−6235578
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Eccentricità Y per sisma X SLO

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	0	0	0	0	−7660449
Reazioni	0	0	0	0	0	7660449
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Eccentricità X per sisma Y SLO

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	0	0	0	0	5362314
Reazioni	0	0	0	0	0	−5362314
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Terreno sisma X SLV

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	486028.556	0	0	0	175898475	140407172
Reazioni	−486028.556	0	0	0	−175898475	−140407172
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Terreno sisma Y SLV

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	247017.233	0	−88853212	0	−25085
Reazioni	0	−247017.233	0	88853212	0	25085
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Terreno sisma X SLO

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	176211.218	0	0	0	63772558	50905072
Reazioni	−176211.218	0	0	0	−63772558	−50905072
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Terreno sisma Y SLO

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	89556.893	0	−32214018	0	−9094
Reazioni	0	−89556.893	0	32214018	0	9094
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Rig. Ux

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	1	0	0	0	1300	−28
Reazioni	−1	0	0	0	−1300	28
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Rig. Uy

Contributo	Fx	Fy	Fz	Mx	My	Mz
Forze applicate	0	1	0	−1300	0	−7
Reazioni	0	−1	0	1300	0	7
P-Delta	0	0	0	0	0	0
Totale	0	0	0	0	0	0

Bilancio in condizione di carico: Rig. Rz

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

4.6 Risposta di spettro

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

Serbatoio Castellaneta - camera di manovra

Spettro	Fx	Fy	Fz	Mx	My	Mz	Max X		Max Y		Max Z	
n.b.							Valore	Angolo	Valore	Angolo	Valore	Angolo
X SLV	707262.95	100552.1	0	8.769E07	6.228E08	3.898E07	708398.2	3	793598.36	94	0	0
Y SLV	100552.1	791569.54	0	6.871E08	8.825E07	3.291E07	708398.2	3	793598.36	94	0	0
X SLO	251979.7	35824.92	0	3.124E07	2.219E08	1.419E07	252384.14	3	282713.21	94	0	0
Y SLO	35824.92	281990.44	0	2.448E08	3.144E07	1.177E07	252384.14	3	282713.21	94	0	0

4.7 Statistiche soluzione

Tipo di equazioni   Lineari
Tecnica di soluzione   AspenTech MA57
Numero equazioni   20922
Elemento min. diagonale   552750.66285408
Elemento max diagonale   758251398048389
Rapporto max/min   1371778360.48757
Elementi non nulli   644158

5 Pressioni terreno in SLE/SLD

	da -0.75 a -0.5
	da -1 a -0.75
	da -1.25 a -1
	da -1.5 a -1.25
	da -1.75 a -1.5
	da -2 a -1.75
	da -2.25 a -2
	da -2.5 a -2.25
	da -2.75 a -2.5
	da -3 a -2.75 [daN/cm²]
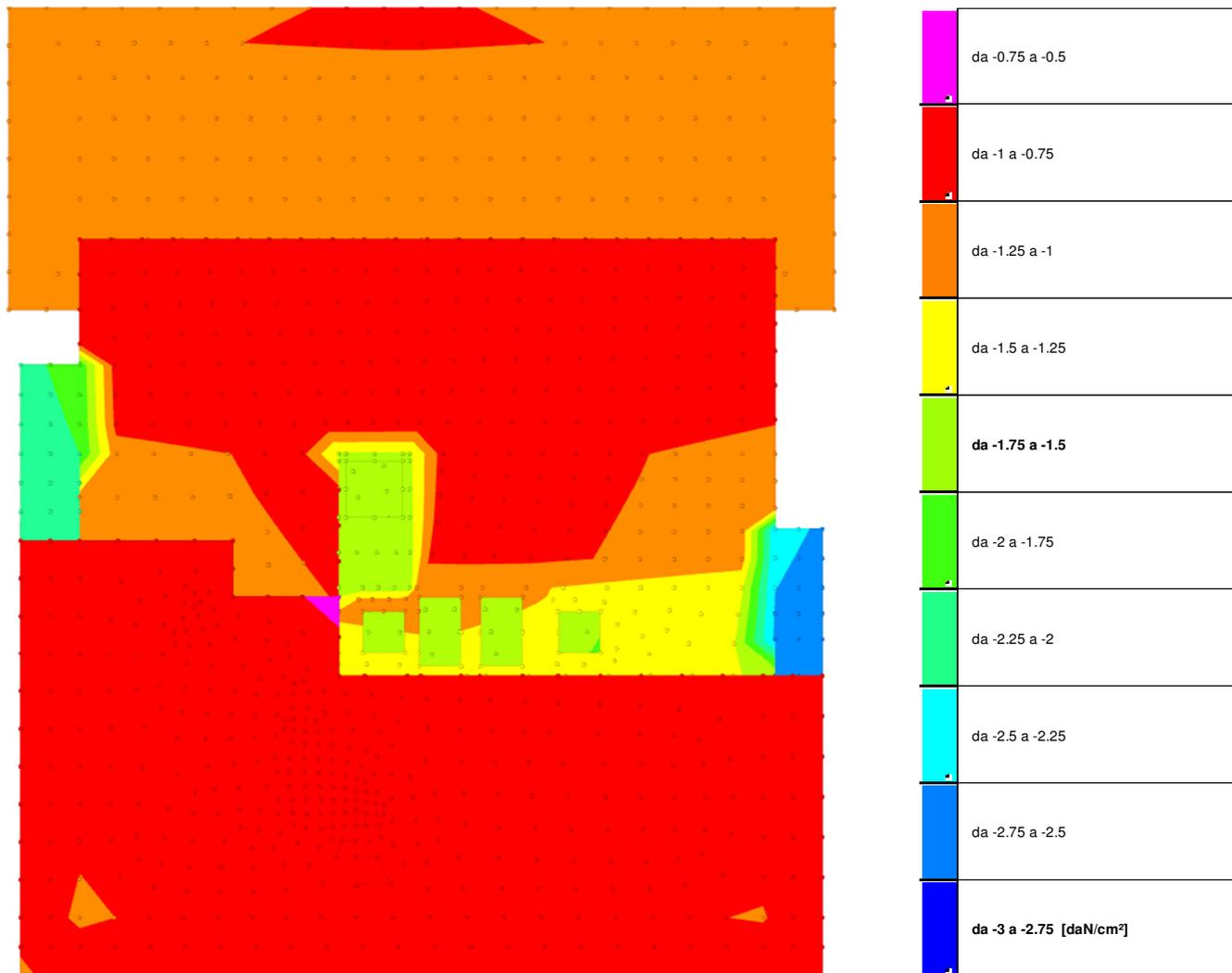
Immagine: rappresentazione in pianta delle massime compressioni sul terreno in famiglie SLE/SLD.

6 Verifiche
6.1 Verifiche pilastrate C.A.

Q.inf.: quota inferiore [cm]
Q.sup.: quota superiore [cm]
Sezione: sezione impiegata
Esistente: campata esistente
Secondaria: campata secondaria
Dissipativa: campata dissipativa
Interna a parete: campata adiacente ad una parete in c.a.
Sovraresistenza: aliquota di sovraresistenza da assicurare in verifica
Materiale CLS: materiale calcestruzzo impiegato
Materiale Acciaio: materiale/i acciaio impiegato/i
FC: fattore di confidenza riferito al materiale CLS
Posizione: posizione della barra
X: ascissa relativa della barra rispetto al baricentro della sezione [cm]
Y: ordinata relativa della barra rispetto al baricentro della sezione [cm]
Diametro: diametro nominale della barra [cm]
Area: area nominale della barra [cm²]
Q.inf.: quota inferiore della barra [cm]
Q.sup.: quota superiore della barra [cm]
Materiale: materiale della barra
Quota: quota della sezione [cm]
As: area complessiva delle armature verticali [cm²]
%: percentuale di acciaio
At: area delle armature verticali destinata alla verifica di torsione [cm²]
Pos.: posizioni barre longitudinali presenti nella sezione
Mx: momento Mx [daN*cm]
My: momento My [daN*cm]
N: sforzo normale [daN]
MRdx: momento resistente in direzione X [daN*cm]
MRdy: momento resistente in direzione Y [daN*cm]
Comb.: combinazione peggiore
Coeff.s.: coefficiente di sicurezza minimo
Verifica: stato di verifica
Nmin: compressione massima [daN]
Nlim: compressione limite [daN]
Comb.Nmin: combinazione in cui si ottiene la compressione massima
Ver.: stato di verifica
Staffe: staffatura presente nella sezione
Ved,x: taglio di verifica per la direzione X [daN]
Ved,y: taglio di verifica per la direzione Y [daN]
Ned: sforzo normale di verifica [daN]
Comb.V: combinazione di verifica taglio
Cot: cotagente delle bielle compresse per la verifica critica
Vres: resistenza a taglio per la verifica [daN]
c.s.V: coefficiente di sicurezza taglio
Mt: momento torcente di verifica [daN*cm]
As,t: area di staffatura destinata alla torsione [cm²]
Al,t: area di barre longitudinali destinata alla torsione [cm²]
Comb.Tor.: combinazione di verifica torsione
Trcd: resistenza a torsione delle bielle di calcestruzzo [4.1.27] [daN*cm]
Trsd: resistenza a torsione in relazione al minimo di staffe necessario [4.1.28] [daN*cm]
Trld: resistenza a torsione in relazione al minimo di barre longitudinali necessario [4.1.29] [daN*cm]
c.s.V-T: coefficiente di sicurezza taglio-torsione
σc,max: tensione massima sul calcestruzzo [daN/cm²]
σf,max: tensione massima sull'acciaio [daN/cm²]
Quota: quota della sezione di verifica [cm]
λ,x: snellezza per sbandamento in direzione X
λ,y: snellezza per sbandamento in direzione Y
λ,limX: snellezza limite in direzione X
λ,limY: snellezza limite in direzione Y
M 2° ord.: la verifica viene effettuata considerando anche gli effetti del secondo ordine, se non richiesti la verifica viene comunque condotta considerando i momenti del 1° ordine
Nsd: sforzo normale [daN]
M0ed,x: momento del primo ordine che tiene conto dell'effetto delle imperfezioni in direzione X [daN*cm]
M2,x: momento del secondo ordine in direzione X [daN*cm]
M0ed,y: momento del primo ordine che tiene conto dell'effetto delle imperfezioni in direzione Y [daN*cm]
M2,y: momento del secondo ordine in direzione y [daN*cm]
Mver,x: momento di verifica in direzione X [daN*cm]
Mver,y: momento di verifica in direzione Y [daN*cm]
C.s x: coefficiente di sicurezza per sbandamento in direzione X
C.s y: coefficiente di sicurezza per sbandamento in direzione Y
Risultato: tipo di risultato esposto, può essere critico, in direzione X e in direzione Y
(5.38): applicabilità delle verifiche in direzioni separate
(5.39): coefficiente di sicurezza per i casi di non applicabilità delle verifiche su direzioni separate
Mx,sr: momento Mx di fessurazione [daN*cm]
My,sr: momento My di fessurazione [daN*cm]
N,sr: sforzo normale di fessurazione [daN]
σs: tensione massima sull'acciaio in condizioni fessurate [daN/cm²]

Ac,eff: *area di calcestruzzo efficace [cm²]*
ρ,eff: *rapporto geometrico di area d'acciaio efficace*
Sm: *distanza media fra le fessure [cm]*
Wk: *apertura delle fessure [cm]*
Fessurata: *presenza di fessurazione*

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

Pilastrata 15

Geometria

Dati della pilastrata
Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
106	560	R 40x40	No	No	No	No		C35/45_1	B450C_1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-12.24	-12.24	1.4	1.539	25	100	R 40x40	B450C_1
p.1	12.24	-12.24	1.4	1.539	25	100	R 40x40	B450C_1
p.1	12.24	12.24	1.4	1.539	25	100	R 40x40	B450C_1
p.1	-12.24	12.24	1.4	1.539	25	100	R 40x40	B450C_1
p.1	0	-12.5	1.4	1.539	25	100	R 40x40	B450C_1
p.1	0	12.5	1.4	1.539	25	100	R 40x40	B450C_1
p.1	-12.5	0	1.4	1.539	25	100	R 40x40	B450C_1
p.1	12.5	0	1.4	1.539	25	100	R 40x40	B450C_1
p.2	-12.24	-12.24	1.4	1.539	100	596.6	R 40x40	B450C_1
p.2	12.24	-12.24	1.4	1.539	100	596.6	R 40x40	B450C_1
p.2	12.24	12.24	1.4	1.539	100	596.6	R 40x40	B450C_1
p.2	-12.24	12.24	1.4	1.539	100	596.6	R 40x40	B450C_1
p.2	0	-12.5	1.4	1.539	100	596.6	R 40x40	B450C_1
p.2	0	12.5	1.4	1.539	100	596.6	R 40x40	B450C_1
p.2	-12.5	0	1.4	1.539	100	596.6	R 40x40	B450C_1
p.2	12.5	0	1.4	1.539	100	596.6	R 40x40	B450C_1

Controlli geometrici NTC08

Nessuna anomalia

Verifiche delle sezioni
Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
106	14.21	1.5	0.001	1,2	-332373	181926	-21885	-1560748	854283	SLU 8	4.696	Si
131	22.15	1.5	0.001	1,2	-302133	158498	-21754	-1836317	963326	SLU 8	6.078	Si
156	16.61	1.5	0.001	1,2	-271576	134824	-21621	-1734423	861057	SLU 8	6.387	Si
182	12.32	0.8	0.001	2	-241654	111643	-21491	-1663918	768721	SLU 8	6.886	Si
207	12.32	0.8	0.001	2	-211414	88215	-21360	-1697548	708321	SLU 8	8.029	Si

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
232	12.32	0.8	0.001	2	-181175	64787	-21229	-1701216	608348	SLU 8	9.39	Si
257	12.32	0.8	0.001	2	-150935	42196	-21098	-1648582	460881	SLU 8	10.922	Si
283	12.32	0.8	0.001	2	-120695	41933	-20967	-1463946	508621	SLU 8	12.129	Si
308	12.32	0.8	0.001	2	-90456	-41671	-20836	-1213693	-559124	SLU 8	13.418	Si
333	12.32	0.8	0.001	2	-60216	-41409	-20704	-888639	-611091	SLU 8	14.758	Si
358	12.32	0.8	0.001	2	-41146	-52351	-20573	-623957	-793872	SLU 8	15.164	Si
383	12.32	0.8	0.001	2	40884	-75779	-20442	582403	-1079490	SLU 8	14.245	Si
409	12.32	0.8	0.001	2	40622	-99207	-20311	539464	-1317484	SLU 8	13.28	Si
434	12.32	0.8	0.001	2	60743	-122635	-20180	716967	-1447495	SLU 8	11.803	Si
459	12.32	0.8	0.001	2	90983	-146062	-20049	916408	-1471191	SLU 8	10.072	Si
484	12.32	0.8	0.001	2	121222	-169490	-19917	1032893	-1444166	SLU 8	8.521	Si
510	12.32	0.8	0.001	2	151462	-192918	-19786	1095623	-1395501	SLU 8	7.234	Si
535	12.32	0.8	0.001	2	181702	-216346	-19655	1120414	-1334036	SLU 8	6.166	Si
560	12.32	0.8	0.001	2	211342	-239309	-19527	1120952	-1269289	SLU 8	5.304	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Nmin	Nlim	Comb.Nmin	Ver.
106	14.21	1.5	0.0067	1,2	-918472	-211695	-17953	-1174217	-270641	SLV 11	1.278				Si
131	22.15	1.5	0.0067	1,2	-833224	-195697	-17853	-1653503	-388353	SLV 11	1.984				Si
156	16.61	1.5	0.0067	1,2	-747079	-179530	-17751	-1393225	-334805	SLV 11	1.865				Si
182	12.32	0.8	0.0067	2	-662727	-163700	-17651	-1184687	-292630	SLV 11	1.788				Si
207	12.32	0.8	0.0067	2	-577479	-147703	-17550	-1253103	-320509	SLV 11	2.17				Si
232	12.32	0.8	0.0067	2	-492231	-131706	-17449	-1346170	-360194	SLV 11	2.735				Si
257	12.32	0.8	0.0067	2	-406984	-115710	-17348	-1476549	-419799	SLV 11	3.628				Si
283	12.32	0.8	0.0067	2	-321738	-99716	-17247	-1638826	-507919	SLV 11	5.094				Si
308	12.32	0.8	0.0067	2	-236495	-83726	-17146	-1739360	-615782	SLV 11	7.355				Si
333	12.32	0.8	0.0067	2	-151263	-67707	-17045	-1653807	-740741	SLV 11	10.933				Si
358	12.32	0.8	0.0067	2	-65943	-51891	-16945	-1066636	-839345	SLV 11	16.175				Si
383	12.32	0.8	0.0067	2	19390	-35806	-16844	367320	-678279	SLV 11	18.943				Si
409	12.32	0.8	0.0067	2	104590	-19635	-16743	1573483	-295458	SLV 11	15.047				Si
434	12.32	0.8	0.0067	2	-107332	-128409	-6123	-905036	-1082765	SLV 6	8.432				Si
459	12.32	0.8	0.0067	2	-154026	-170249	-6022	-831876	-919493	SLV 6	5.401				Si
484	12.32	0.8	0.0067	2	-200725	-212095	-5921	-786859	-831433	SLV 6	3.92				Si
510	12.32	0.8	0.0067	2	-247425	-253944	-5820	-754569	-774451	SLV 6	3.05				Si
535	12.32	0.8	0.0067	2	530779	60316	-16238	1319716	149967	SLV 11	2.486				Si
560	12.32	0.8	0.0067	2	614337	75996	-16139	1215702	150387	SLV 11	1.979				Si

Verifica a taglio-torsione in famiglia SLU

Quota	Staffe	Ved,x	Ved,y	Ned	Comb.V	Cot	Vres	c.s.V	Mt	As,t	Al,t	Comb.Tor.	Trcd	Trsd	Trld	c.s.V-T	Ver.
106	3X/3Y ø8/14.4	-969	1199	-21885	SLU 8	2.5	30012	25.03	-41.5	0.0001	0.0007	SLU 1	952425	41.5	41.5	1.02	Si
131	3X/3Y ø8/14.4	-969	1199	-21754	SLU 8	2.5	30012	25.03	-41.5	0.0001	0.0007	SLU 1	952425	41.5	41.5	1.02	Si
156	3X/3Y ø8/14.4	-969	1199	-21621	SLU 8	2.5	30012	25.03	-41.5	0.0001	0.0007	SLU 1	952425	41.5	41.5	1.02	Si
182	3X/3Y ø8/14.4	-969	1199	-21491	SLU 8	2.5	30012	25.03	-41.5	0.0001	0.0007	SLU 1	952425	41.5	41.5	1.02	Si
207	3X/3Y ø8/14.4	-969	1199	-21360	SLU 8	2.5	30012	25.03	-41.5	0.0001	0.0007	SLU 1	952425	41.5	41.5	1.02	Si
232	3X/3Y ø8/14.4	-969	1199	-21229	SLU 8	2.5	30012	25.03	-41.5	0.0001	0.0007	SLU 1	952425	41.5	41.5	1.02	Si
257	3X/3Y ø8/14.4	-969	1199	-21098	SLU 8	2.5	30012	25.03	-41.5	0.0001	0.0007	SLU 1	952425	41.5	41.5	1.02	Si
283	3X/3Y ø8/14.4	-969	1199	-20967	SLU 8	2.5	30012	25.03	-41.5	0.0001	0.0007	SLU 1	952425	41.5	41.5	1.02	Si
308	3X/3Y ø8/14.4	-969	1199	-20836	SLU 8	2.5	30012	25.03	-41.5	0.0001	0.0007	SLU 1	952425	41.5	41.5	1.02	Si
333	3X/3Y ø8/14.4	-969	1199	-20704	SLU 8	2.5	30012	25.03	-41.5	0.0001	0.0007	SLU 1	952425	41.5	41.5	1.02	Si
358	3X/3Y ø8/14.4	-969	1199	-20573	SLU 8	2.5	30012	25.03	-41.5	0.0001	0.0007	SLU 1	952425	41.5	41.5	1.02	Si
383	3X/3Y ø8/14.4	-969	1199	-20442	SLU 8	2.5	30012	25.03	-41.5	0.0001	0.0007	SLU 1	952425	41.5	41.5	1.02	Si
409	3X/3Y ø8/14.4	-969	1199	-20311	SLU 8	2.5	30012	25.03	-41.5	0.0001	0.0007	SLU 1	952425	41.5	41.5	1.02	Si
434	3X/3Y ø8/14.4	-969	1199	-20180	SLU 8	2.5	30012	25.03	-41.5	0.0001	0.0007	SLU 1	952425	41.5	41.5	1.02	Si
459	3X/3Y ø8/14.4	-969	1199	-20049	SLU 8	2.5	30012	25.03	-41.5	0.0001	0.0007	SLU 1	952425	41.5	41.5	1.02	Si
484	3X/3Y ø8/14.4	-969	1199	-19917	SLU 8	2.5	30012	25.03	-41.5	0.0001	0.0007	SLU 1	952425	41.5	41.5	1.02	Si
510	3X/3Y ø8/14.4	-969	1199	-19786	SLU 8	2.5	30012	25.03	-41.5	0.0001	0.0007	SLU 1	952425	41.5	41.5	1.02	Si
535	3X/3Y ø8/14.4	-969	1199	-19655	SLU 8	2.5	30012	25.03	-41.5	0.0001	0.0007	SLU 1	952425	41.5	41.5	1.02	Si
560	3X/3Y ø8/14.4	-969	1199	-19527	SLU 8	2.5	30012	25.03	-41.5	0.0001	0.0007	SLU 1	952425	41.5	41.5	1.02	Si

Verifica a taglio-torsione in famiglia SLV

Quota	Staffe	Ved,x	Ved,y	Ned	Comb.V	Cot	Vres	c.s.V	Mt	As,t	Al,t	Comb.Tor.	Trcd	Trsd	Trld	c.s.V-T	Ver.
106	3X/3Y ø8/14.4	-1903	3380	-17953	SLV 11	2.5	29985	8.87	302.2	0.0006	0.0051	SLV 1	952425	302.2	302.2	1.02	Si
131	3X/3Y ø8/14.4	-1903	3380	-17853	SLV 11	2.5	29985	8.87	302.2	0.0006	0.0051	SLV 1	952425	302.2	302.2	1.02	Si
156	3X/3Y ø8/14.4	-1903	3380	-17751	SLV 11	2.5	29985	8.87	302.2	0.0006	0.0051	SLV 1	952425	302.2	302.2	1.02	Si
182	3X/3Y ø8/14.4	-1903	3380	-17651	SLV 11	2.5	29985	8.87	302.2	0.0006	0.0051	SLV 1	952425	302.2	302.2	1.02	Si
207	3X/3Y ø8/14.4	-1903	3380	-17550	SLV 11	2.5	29985	8.87	302.2	0.0006	0.0051	SLV 1	952425	302.2	302.2	1.02	Si
232	3X/3Y ø8/14.4	-1903	3380	-17449	SLV 11	2.5	29985	8.87	302.2	0.0006	0.0051	SLV 1	952425	302.2	302.2	1.02	Si
257	3X/3Y ø8/14.4	-1903	3380	-17348	SLV 11	2.5	29985	8.87	302.2	0.0006	0.0051	SLV 1	952425	302.2	302.2	1.02	Si
283	3X/3Y ø8/14.4	-1903	3380	-17247	SLV 11	2.5	29985	8.87	302.2	0.0006	0.0051	SLV 1	952425	302.2	302.2	1.02	Si
308	3X/3Y ø8/14.4	-1903	3380	-17146	SLV 11	2.5	29985	8.87	302.2	0.0006	0.0051	SLV 1	952425	302.2	302.2	1.02	Si
333	3X/3Y ø8/14.4	-1903	3380	-17045	SLV 11	2.5	29985	8.87	302.2	0.0006	0.0051	SLV 1	952425	302.2	302.2	1.02	Si
358	3X/3Y ø8/14.4	-1903	3380	-16945	SLV 11	2.5	29985	8.87	302.2	0.0006	0.0051	SLV 1	952425	302.2	302.2	1.02	Si
383	3X/3Y ø8/14.4	-1903	3380	-16844	SLV 11	2.5	29985	8.87	302.2	0.0006	0.0051	SLV 1	952425	302.2	302.2	1.02	Si
409	3X/3Y ø8/14.4	-1903	3380	-16743	SLV 11	2.5	29985	8.87	302.2	0.0006	0.0051	SLV 1	952425	302.2	302.2	1.02	Si
434	3X/3Y ø8/14.4	-1903	3380	-16642	SLV 11	2.5	29985	8.87	302.2	0.0006	0.0051	SLV 1	952425	302.2	302.2	1.02	Si
459	3X/3Y ø8/14.4	-1903	3380	-16541	SLV 11	2.5	29985	8.87	302.2	0.0006	0.0051	SLV 1	952425	302.2	302.2	1.02	Si
484	3X/3Y ø8/14.4	-1903	3380	-16440	SLV 11	2.5	29985	8.87	302.2	0.0006	0.0051	SLV 1	952425	302.2	302.2	1.02	Si
510	3X/3Y ø8/14.4	-1903	3380	-16339	SLV 11	2.5	29985	8.87	302.2	0.0006	0.0051	SLV 1	952425	302.2	302.2	1.02	Si
535	3X/3Y ø8/14.4	-1903	3380	-16238	SLV 11	2.5	29985	8.87	302.2	0.0006	0.0051	SLV 1	952425	302.2	302.2	1.02	Si
560	3X/3Y ø8/14.4	-1903	3380	-16139	SLV 11	2.5	29985	8.87	302.2	0.0006	0.0051	SLV 1	952425	302.2	302.2	1.02	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 224.1 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
106	-238925	128210	-15224	SLE RA 1	-56.8	-238925	128210	-15224	SLE RA 1	556.5	Si
131	-217138	111867	-15123	SLE RA 1	-44.5	-217138	111867	-15123	SLE RA 1	-423.9	Si
156	-195122	95351	-15021	SLE RA 1	-41.2	-195122	95351	-15021	SLE RA 1	-400.4	Si
182	-173564	79180	-14921	SLE RA 1	-29.9	-173564	79180	-14921	SLE RA 1	-323.3	Si
207	-151777	62837	-14820	SLE RA 1	-26.6	-151777	62837	-14820	SLE RA 1	-292.6	Si
232	-129990	46493	-14719	SLE RA 1	-23.3	-129990	46493	-14719	SLE RA 1	-261.9	Si
257	-108203	30150	-14619	SLE RA 1	-20	-108203	30150	-14619	SLE RA 1	-231.2	Si
283	-86416	13807	-14518	SLE RA 1	-16.7	-86416	13807	-14518	SLE RA 1	-200.5	Si
308	-64629	-2537	-14417	SLE RA 1	-13.8	-64629	-2537	-14417	SLE RA 1	-173.8	Si
333	-42842	-18880	-14316	SLE RA 1	-13.3	-42842	-18880	-14316	SLE RA 1	-168.7	Si
358	-21055	-35223	-14215	SLE RA 1	-12.8	-21055	-35223	-14215	SLE RA 1	-163.5	Si
383	732	-51567	-14114	SLE RA 1	-12.4	732	-51567	-14114	SLE RA 1	-159.9	Si
409	22519	-67910	-14013	SLE RA 1	-15.6	22519	-67910	-14013	SLE RA 1	-188.6	Si
434	44306	-84253	-13912	SLE RA 1	-18.8	44306	-84253	-13912	SLE RA 1	-217.6	Si
459	66093	-100597	-13811	SLE RA 1	-22	66093	-100597	-13811	SLE RA 1	-246.6	Si
484	87880	-116940	-13711	SLE RA 1	-25.2	87880	-116940	-13711	SLE RA 1	-275.5	Si
510	109667	-133283	-13610	SLE RA 1	-28.4	109667	-133283	-13610	SLE RA 1	-304.6	Si

Serbatoio Castellaneta - camera di manovra

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
535	131454	−149627	−13509	SLE RA 1	−42.1	131454	−149627	−13509	SLE RA 1	−403.4	Si
560	152809	−165646	−13410	SLE RA 1	−49.8	152809	−165646	−13410	SLE RA 1	−457.6	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 168.1 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
106	−209323	102011	−12694	SLE QP 4	−48.6	Si
131	−190049	89085	−12593	SLE QP 4	−38	Si
156	−170573	76022	−12491	SLE QP 4	−27.2	Si
182	−151502	63232	−12391	SLE QP 4	−25.3	Si
207	−132229	50305	−12290	SLE QP 4	−22.5	Si
232	−112955	37379	−12189	SLE QP 4	−19.7	Si
257	−93682	24452	−12088	SLE QP 4	−16.9	Si
283	−74408	11526	−11988	SLE QP 4	−14	Si
308	−55135	−1401	−11887	SLE QP 4	−11.5	Si
333	−35861	−14327	−11786	SLE QP 4	−10.9	Si
358	−16588	−27254	−11685	SLE QP 4	−10.3	Si
383	3209	−40011	−11605	SLE QP 2	−10.2	Si
409	21959	−53107	−11483	SLE QP 4	−12.8	Si
434	41233	−66033	−11382	SLE QP 4	−15.5	Si
459	60506	−78960	−11281	SLE QP 4	−18.2	Si
484	79780	−91886	−11180	SLE QP 4	−20.9	Si
510	99053	−104813	−11080	SLE QP 4	−23.6	Si
535	118327	−117739	−10979	SLE QP 4	−26.3	Si
560	137218	−130409	−10880	SLE QP 4	−42.3	Si

Verifiche nodi trave colonna

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

Verifica di instabilità

Q.inf.	Q.sup.	Quota	λ,x	λ,y	λ,limX	λ,limY	M 2° ord.	Nsd	Comb.	M0ed,x	M2,x	M0ed,y	M2,y	Mver,x	Mver,y	C.s x	C.s y	Risultato	(5.38)	(5.39)	Ver.
25	595	106	49	49	49	67	Si	−21885	SLU 8	132949	112943	121917	110730	−332373	181926	6.37	10.3	Min	No	4.7	Si
25	595	106	49	49	49	67	Si	−21885	SLU 8	132949	112943	121917	110730	−332373	181926	6.37	10.3	X	No	4.7	Si
25	595	106	49	49	49	67	Si	−21885	SLU 8	132949	112943	121917	110730	−332373	181926	6.37	10.3	Min	No	4.7	Si
25	595	560	49	49	53	70	No	−19333	SLU 5	125295	102248	125898	96862	197742	−246430	9.92	8.28	Y	No	5.37	Si

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 20

Geometria

630

560

40

40

40

40

40

40

106

-44

Dati della pilastrata
Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
106	560	R 40x40	No	No	No	No		C35/45_1	B450C_1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-12.24	-12.24	1.4	1.539	25	100	R 40x40	B450C_1
p.1	12.24	-12.24	1.4	1.539	25	100	R 40x40	B450C_1
p.1	12.24	12.24	1.4	1.539	25	100	R 40x40	B450C_1
p.1	-12.24	12.24	1.4	1.539	25	100	R 40x40	B450C_1
p.1	0	-12.5	1.4	1.539	25	100	R 40x40	B450C_1
p.1	0	12.5	1.4	1.539	25	100	R 40x40	B450C_1
p.1	-12.5	0	1.4	1.539	25	100	R 40x40	B450C_1
p.1	12.5	0	1.4	1.539	25	100	R 40x40	B450C_1
p.2	-12.24	-12.24	1.4	1.539	100	596.6	R 40x40	B450C_1
p.2	12.24	-12.24	1.4	1.539	100	596.6	R 40x40	B450C_1
p.2	12.24	12.24	1.4	1.539	100	596.6	R 40x40	B450C_1
p.2	-12.24	12.24	1.4	1.539	100	596.6	R 40x40	B450C_1
p.2	0	-12.5	1.4	1.539	100	596.6	R 40x40	B450C_1
p.2	0	12.5	1.4	1.539	100	596.6	R 40x40	B450C_1
p.2	-12.5	0	1.4	1.539	100	596.6	R 40x40	B450C_1
p.2	12.5	0	1.4	1.539	100	596.6	R 40x40	B450C_1

Controlli geometrici NTC08
Nessuna anomalia

Verifiche delle sezioni
Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
106	14.21	1.5	0.0008	1,2	-125893	125893	-62946	-653058	653058	SLU 6	5.187	Si
131	22.15	1.5	0.0008	1,2	-125630	125630	-62815	-702978	702978	SLU 6	5.596	Si
156	16.61	1.5	0.0008	1,2	-125365	125365	-62683	-668678	668678	SLU 6	5.334	Si
182	12.32	0.8	0.0008	2	-125106	125106	-62553	-638197	638197	SLU 6	5.101	Si
207	12.32	0.8	0.0008	2	-124843	124843	-62422	-638197	638197	SLU 6	5.112	Si
232	12.32	0.8	0.0008	2	-124581	124581	-62291	-638197	638197	SLU 6	5.123	Si
257	12.32	0.8	0.0008	2	-124319	124319	-62159	-638197	638197	SLU 6	5.134	Si
283	12.32	0.8	0.0008	2	-124057	124057	-62028	-638197	638197	SLU 6	5.144	Si
308	12.32	0.8	0.0008	2	-123794	123794	-61897	-638197	638197	SLU 6	5.155	Si
333	12.32	0.8	0.0008	2	-123532	123532	-61766	-638197	638197	SLU 6	5.166	Si
358	12.32	0.8	0.0008	2	-123270	123270	-61635	-638197	638197	SLU 6	5.177	Si
383	12.32	0.8	0.0008	2	-123007	-123007	-61504	-638197	-638197	SLU 6	5.188	Si
409	12.32	0.8	0.0008	2	-122745	-122745	-61372	-638197	-638197	SLU 6	5.199	Si
434	12.32	0.8	0.0008	2	-122483	-122483	-61241	-638197	-638197	SLU 6	5.211	Si
459	12.32	0.8	0.0008	2	-122220	-122220	-61110	-638197	-638197	SLU 6	5.222	Si
484	12.32	0.8	0.0008	2	-121958	-121958	-60979	-638197	-638197	SLU 6	5.233	Si
510	12.32	0.8	0.0008	2	-121696	-121696	-60848	-638197	-638197	SLU 6	5.244	Si
535	12.32	0.8	0.0008	2	-121433	-121433	-60717	-638197	-638197	SLU 6	5.256	Si

Serbatoio Castellaneta - camera di manovra

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
560	12.32	0.8	0.0008	2	−121176	−121176	−60588	−638197	−638197	SLU 6	5.267	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Nmin	Nlim	Comb.Nmin	Ver.
106	14.21	1.5	0.0067	1,2	79720	499104	−33360	317691	1988981	SLV 1	3.985				Si
131	22.15	1.5	0.0067	1,2	75236	452928	−33260	368581	2218884	SLV 1	4.899				Si
156	16.61	1.5	0.0067	1,2	70706	406267	−33158	355535	2042854	SLV 1	5.028				Si
182	12.32	0.8	0.0067	2	66270	360577	−33058	349058	1899224	SLV 1	5.267				Si
207	12.32	0.8	0.0067	2	61788	314402	−32957	363166	1847931	SLV 1	5.878				Si
232	12.32	0.8	0.0067	2	−190405	−151585	−36671	−1238430	−985937	SLV 12	6.504				Si
257	12.32	0.8	0.0067	2	−178654	−126717	−36571	−1231608	−873560	SLV 12	6.894				Si
283	12.32	0.8	0.0067	2	−166904	−101851	−36470	−1217413	−742910	SLV 12	7.294				Si
308	12.32	0.8	0.0067	2	−155154	−76989	−36369	−1193327	−592146	SLV 12	7.691				Si
333	12.32	0.8	0.0067	2	−143673	−51900	−36258	−1156527	−417783	SLV 11	8.05				Si
358	12.32	0.8	0.0067	2	−131898	−27253	−36157	−1103030	−227910	SLV 11	8.363				Si
383	12.32	0.8	0.0067	2	−120123	−1480	−36056	−1037797	−12784	SLV 11	8.639				Si
409	12.32	0.8	0.0067	2	−89288	−2250	−36402	−782641	−19725	SLV 8	8.765				Si
434	12.32	0.8	0.0067	2	−80382	2884	−36301	−706530	25347	SLV 8	8.79				Si
459	12.32	0.8	0.0067	2	−84672	72342	−35763	−745237	636719	SLV 12	8.801				Si
484	12.32	0.8	0.0067	2	12602	−193572	−31847	102410	−1573024	SLV 1	8.126				Si
510	12.32	0.8	0.0067	2	8201	−239746	−31746	60251	−1761337	SLV 1	7.347				Si
535	12.32	0.8	0.0067	2	3703	−285920	−31645	24489	−1890629	SLV 1	6.612				Si
560	12.32	0.8	0.0067	2	−3179	−331179	−31546	−18922	−1971247	SLV 1	5.952				Si

Verifica a taglio-torsione in famiglia SLU

Quota	Staffe	Ved,x	Ved,y	Ned	Comb.V	Cot	Vres	c.s.V	Mt	As,t	Al,t	Comb.Tor.	Trcd	Trsd	Trld	c.s.V-T	Ver.
106	3X/3Y ø8/14.4	−382	168	−62894	SLU 5	2.5	30014	78.58	−30.6	0.0001	0.0005	SLU 1	952425	30.6	30.6	1.02	Si
131	3X/3Y ø8/14.4	−382	168	−62763	SLU 5	2.5	30014	78.58	−30.6	0.0001	0.0005	SLU 1	952425	30.6	30.6	1.02	Si
156	3X/3Y ø8/14.4	−382	168	−62630	SLU 5	2.5	30014	78.58	−30.6	0.0001	0.0005	SLU 1	952425	30.6	30.6	1.02	Si
182	3X/3Y ø8/14.4	−382	168	−62501	SLU 5	2.5	30014	78.58	−30.6	0.0001	0.0005	SLU 1	952425	30.6	30.6	1.02	Si
207	3X/3Y ø8/14.4	−382	168	−62369	SLU 5	2.5	30014	78.58	−30.6	0.0001	0.0005	SLU 1	952425	30.6	30.6	1.02	Si
232	3X/3Y ø8/14.4	−382	168	−62238	SLU 5	2.5	30014	78.58	−30.6	0.0001	0.0005	SLU 1	952425	30.6	30.6	1.02	Si
257	3X/3Y ø8/14.4	−382	168	−62107	SLU 5	2.5	30014	78.58	−30.6	0.0001	0.0005	SLU 1	952425	30.6	30.6	1.02	Si
283	3X/3Y ø8/14.4	−382	168	−61976	SLU 5	2.5	30014	78.58	−30.6	0.0001	0.0005	SLU 1	952425	30.6	30.6	1.02	Si
308	3X/3Y ø8/14.4	−382	168	−61845	SLU 5	2.5	30014	78.58	−30.6	0.0001	0.0005	SLU 1	952425	30.6	30.6	1.02	Si
333	3X/3Y ø8/14.4	−382	168	−61714	SLU 5	2.5	30014	78.58	−30.6	0.0001	0.0005	SLU 1	952425	30.6	30.6	1.02	Si
358	3X/3Y ø8/14.4	−382	168	−61582	SLU 5	2.5	30014	78.58	−30.6	0.0001	0.0005	SLU 1	952425	30.6	30.6	1.02	Si
383	3X/3Y ø8/14.4	−382	168	−61451	SLU 5	2.5	30014	78.58	−30.6	0.0001	0.0005	SLU 1	952425	30.6	30.6	1.02	Si
409	3X/3Y ø8/14.4	−382	168	−61320	SLU 5	2.5	30014	78.58	−30.6	0.0001	0.0005	SLU 1	952425	30.6	30.6	1.02	Si
434	3X/3Y ø8/14.4	−382	168	−61189	SLU 5	2.5	30014	78.58	−30.6	0.0001	0.0005	SLU 1	952425	30.6	30.6	1.02	Si
459	3X/3Y ø8/14.4	−382	168	−61058	SLU 5	2.5	30014	78.58	−30.6	0.0001	0.0005	SLU 1	952425	30.6	30.6	1.02	Si
484	3X/3Y ø8/14.4	−382	168	−60927	SLU 5	2.5	30014	78.58	−30.6	0.0001	0.0005	SLU 1	952425	30.6	30.6	1.02	Si
510	3X/3Y ø8/14.4	−382	168	−60796	SLU 5	2.5	30014	78.58	−30.6	0.0001	0.0005	SLU 1	952425	30.6	30.6	1.02	Si
535	3X/3Y ø8/14.4	−382	168	−60664	SLU 5	2.5	30014	78.58	−30.6	0.0001	0.0005	SLU 1	952425	30.6	30.6	1.02	Si
560	3X/3Y ø8/14.4	−382	168	−60536	SLU 5	2.5	30014	78.58	−30.6	0.0001	0.0005	SLU 1	952425	30.6	30.6	1.02	Si

Verifica a taglio-torsione in famiglia SLV

Quota	Staffe	Ved,x	Ved,y	Ned	Comb.V	Cot	Vres	c.s.V	Mt	As,t	Al,t	Comb.Tor.	Trcd	Trsd	Trld	c.s.V-T	Ver.
106	3X/3Y ø8/14.4	−1831	467	−33360	SLV 1	2.5	29992	16.38	309.1	0.0006	0.0053	SLV 1	952425	309.1	309.1	1.02	Si
131	3X/3Y ø8/14.4	−1831	467	−33260	SLV 1	2.5	29992	16.38	309.1	0.0006	0.0053	SLV 1	952425	309.1	309.1	1.02	Si
156	3X/3Y ø8/14.4	−1831	467	−33158	SLV 1	2.5	29992	16.38	309.1	0.0006	0.0053	SLV 1	952425	309.1	309.1	1.02	Si
182	3X/3Y ø8/14.4	−1831	467	−33058	SLV 1	2.5	29992	16.38	309.1	0.0006	0.0053	SLV 1	952425	309.1	309.1	1.02	Si
207	3X/3Y ø8/14.4	−1831	467	−32957	SLV 1	2.5	29992	16.38	309.1	0.0006	0.0053	SLV 1	952425	309.1	309.1	1.02	Si
232	3X/3Y ø8/14.4	−1831	467	−32856	SLV 1	2.5	29992	16.38	309.1	0.0006	0.0053	SLV 1	952425	309.1	309.1	1.02	Si
257	3X/3Y ø8/14.4	−1831	467	−32755	SLV 1	2.5	29992	16.38	309.1	0.0006	0.0053	SLV 1	952425	309.1	309.1	1.02	Si
283	3X/3Y ø8/14.4	−1831	467	−32654	SLV 1	2.5	29992	16.38	309.1	0.0006	0.0053	SLV 1	952425	309.1	309.1	1.02	Si
308	3X/3Y ø8/14.4	−1831	467	−32553	SLV 1	2.5	29992	16.38	309.1	0.0006	0.0053	SLV 1	952425	309.1	309.1	1.02	Si
333	3X/3Y ø8/14.4	−1831	467	−32452	SLV 1	2.5	29992	16.38	309.1	0.0006	0.0053	SLV 1	952425	309.1	309.1	1.02	Si
358	3X/3Y ø8/14.4	−1831	467	−32352	SLV 1	2.5	29992	16.38	309.1	0.0006	0.0053	SLV 1	952425	309.1	309.1	1.02	Si
383	3X/3Y ø8/14.4	−1831	467	−32251	SLV 1	2.5	29992	16.38	309.1	0.0006	0.0053	SLV 1	952425	309.1	309.1	1.02	Si
409	3X/3Y ø8/14.4	−1831	467	−32150	SLV 1	2.5	29992	16.38	309.1	0.0006	0.0053	SLV 1	952425	309.1	309.1	1.02	Si
434	3X/3Y ø8/14.4	−1831	467	−32049	SLV 1	2.5	29992	16.38	309.1	0.0006	0.0053	SLV 1	952425	309.1	309.1	1.02	Si
459	3X/3Y ø8/14.4	−1831	467	−31948	SLV 1	2.5	29992	16.38	309.1	0.0006	0.0053	SLV 1	952425	309.1	309.1	1.02	Si
484	3X/3Y ø8/14.4	−1831	467	−31847	SLV 1	2.5	29992	16.38	309.1	0.0006	0.0053	SLV 1	952425	309.1	309.1	1.02	Si
510	3X/3Y ø8/14.4	−1831	467	−31746	SLV 1	2.5	29992	16.38	309.1	0.0006	0.0053	SLV 1	952425	309.1	309.1	1.02	Si
535	3X/3Y ø8/14.4	−1831	467	−31645	SLV 1	2.5	29992	16.38	309.1	0.0006	0.0053	SLV 1	952425	309.1	309.1	1.02	Si
560	3X/3Y ø8/14.4	−1831	467	−31546	SLV 1	2.5	29992	16.38	309.1	0.0006	0.0053	SLV 1	952425	309.1	309.1	1.02	Si

Verifica delle tensioni in combinazioni rara

Tensione limite del calcestruzzo 224.1 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
106	−67713	76768	−42922	SLE RA 1	−35.8	−67713	76768	−42922	SLE RA 1	−466.7	Si
131	−64706	69752	−42822	SLE RA 1	−32.9	−64706	69752	−42822	SLE RA 1	−430.7	Si
156	−61667	62662	−42720	SLE RA 1	−33.4	−61667	62662	−42720	SLE RA 1	−441	Si
182	−58692	55719	−42620	SLE RA 1	−33.6	−58692	55719	−42620	SLE RA 1	−447.8	Si
207	−55685	48703	−42519	SLE RA 1	−32.7	−55685	48703	−42519	SLE RA 1	−439.1	Si
232	−52678	41687	−42418	SLE RA 1	−31.8	−52678	41687	−42418	SLE RA 1	−430.4	Si
257	−49671	34670	−42317	SLE RA 1	−30.9	−49671	34670	−42317	SLE RA 1	−421.7	Si
283	−46664	27654	−42216	SLE RA 1	−30	−46664	27654	−42216	SLE RA 1	−413	Si
308	−43657	20638	−42115	SLE RA 1	−29.1	−43657	20638	−42115	SLE RA 1	−404.3	Si
333	−40650	13622	−42014	SLE RA 1	−28.2	−40650	13622	−42014	SLE RA 1	−395.6	Si
358	−37642	6606	−41914	SLE RA 1	−27.3	−37642	6606	−41914	SLE RA 1	−386.9	Si
383	−34635	−411	−41813	SLE RA 1	−26.4	−34635	−411	−41813	SLE RA 1	−379.1	Si
409	−31628	−7427	−41712	SLE RA 1	−26.7	−31628	−7427	−41712	SLE RA 1	−381.2	Si
434	−28621	−14443	−41611	SLE RA 1	−27	−28621	−14443	−41611	SLE RA 1	−383.5	Si
459	−25614	−21459	−41510	SLE RA 1	−27.3	−25614	−21459	−41510	SLE RA 1	−385.7	Si
484	−22607	−28476	−41409	SLE RA 1	−27.6	−22607	−28476	−41409	SLE RA 1	−388	Si
510	−19600	−35492	−41308	SLE RA 1	−27.8	−19600	−35492	−41308	SLE RA 1	−390.3	Si
535	−16593	−42508	−41207	SLE RA 1	−28.1	−16593	−42508	−41207	SLE RA 1	−392.6	Si
560	−13646	−49385	−41108	SLE RA 1	−28.4	−13646	−49385	−41108	SLE RA 1	−394.9	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti

Tensione limite del calcestruzzo 168.1 daN/cm²
Coefficiente di omogeneizzazione impiegato 15

Quota	Mx	My	N	Comb.	σc,max	Verifica
106	−57872	74759	−33735	SLE QP 4	−29.8	Si
131	−55294	67871	−33634	SLE QP 4	−27.2	Si
156	−52689	60911	−33532	SLE QP 4	−27.5	Si
182	−50138	54096	−33432	SLE QP 4	−27.6	Si
207	−47561	47208	−33331	SLE QP 4	−26.8	Si
232	−44983	40320	−33230	SLE QP 4	−25.9	Si
257	−42405	33432	−33129	SLE QP 4	−25	Si

Quota	Mx	My	N	Comb.	σc,max	Verifica
283	-39827	26544	-33029	SLE QP 4	-24.2	Si
308	-37249	19656	-32928	SLE QP 4	-23.3	Si
333	-34671	12768	-32827	SLE QP 4	-22.4	Si
358	-32093	5880	-32726	SLE QP 4	-21.6	Si
383	-29515	-1008	-32625	SLE QP 4	-20.9	Si
409	-26937	-7896	-32524	SLE QP 4	-21.2	Si
434	-24359	-14784	-32423	SLE QP 4	-21.5	Si
459	-21781	-21672	-32322	SLE QP 4	-21.8	Si
484	-19203	-28560	-32221	SLE QP 4	-22.1	Si
510	-16625	-35448	-32121	SLE QP 4	-22.4	Si
535	-14047	-42336	-32020	SLE QP 4	-22.8	Si
560	-11521	-49087	-31921	SLE QP 4	-23.1	Si

Verifiche nodi trave colonna

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

Verifica di instabilità

Q.inf.	Q.sup.	Quota	λ,x	λ,y	$\lambda,limX$	$\lambda,limY$	M 2° ord.	Nsd	Comb.	M0ed,x	M2,x	M0ed,y	M2,y	Mver,x	Mver,y	C.s x	C.s y	Risultato	(5.38)	(5.39)	Ver.
25	595	181.7	49	49	64	29	Si	-62501	SLU 8	59770	320513	37205	345186	-82239	382391	5.11	4.15	Min	No	4.05	Si
25	595	181.7	49	49	64	29	Si	-62553	SLU 6	58800	321819	40502	338940	-80760	379442	5.1	4.16	X	No	4.07	Si
25	595	181.7	49	49	64	29	Si	-62501	SLU 8	59770	320513	37205	345186	-82239	382391	5.11	4.15	Min	No	4.05	Si
25	595	383.4	49	49	64	29	Si	-61451	SLU 5	56839	317900	42375	350863	-56839	-393238		4.14	Y	Si		Si

Verifiche di gerarchia delle resistenze nei nodi trave pilastro

Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la pilastrata.

Pilastrata 28

Geometria
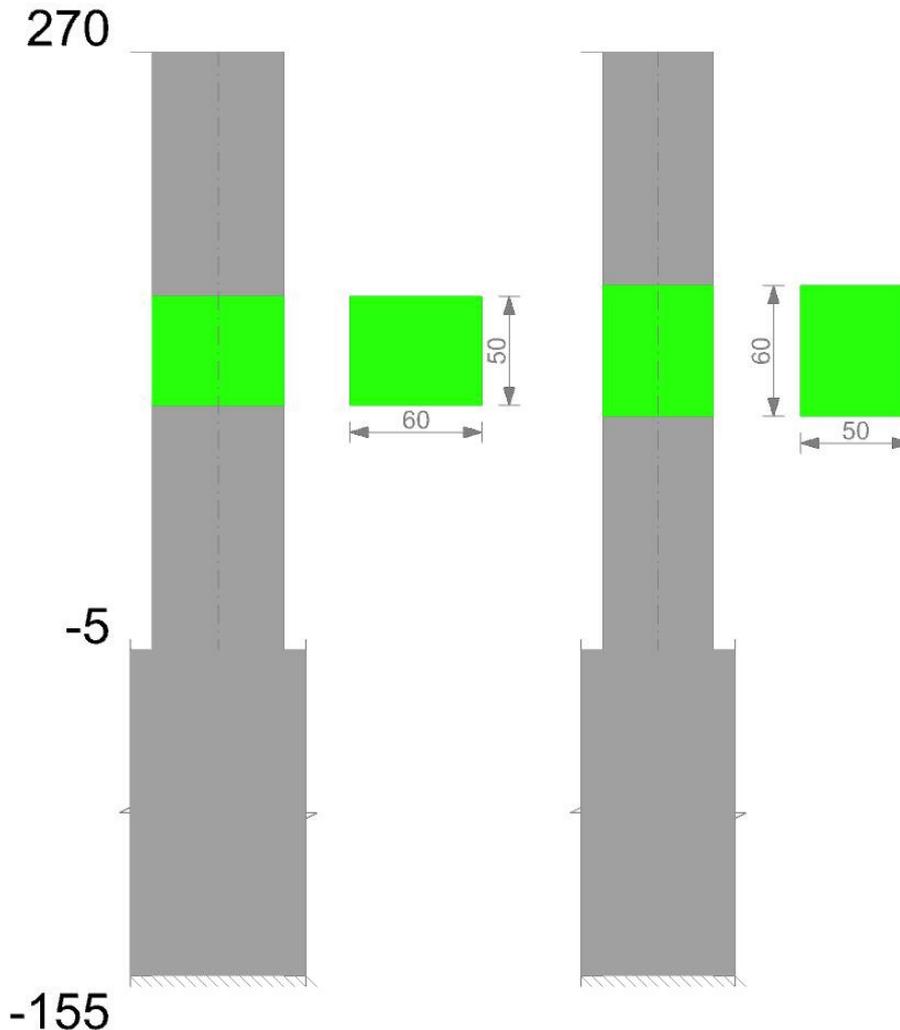
Dati della pilastrata
Campate costituenti la pilastrata

Q.inf.	Q.sup.	Sezione	Esistente	Secondaria	Dissipativa	Interna a parete	Sovraresistenza	Materiale CLS	Materiale Acciaio	FC
-5	270	R 60x50	No	No	No	No		C35/45_1	B450C_1	

Disposizione delle armature longitudinali

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-21.95	-16.95	2.2	3.801	-80	-5	R 60x50	B450C_1
p.1	-18.75	-13.75	2.2	3.801	-80	-5	R 60x50	B450C_1
p.1	21.95	-16.95	2.2	3.801	-80	-5	R 60x50	B450C_1
p.1	18.75	-13.75	2.2	3.801	-80	-5	R 60x50	B450C_1
p.1	21.95	16.95	2.2	3.801	-80	-5	R 60x50	B450C_1
p.1	18.75	13.75	2.2	3.801	-80	-5	R 60x50	B450C_1
p.1	-21.95	16.95	2.2	3.801	-80	-5	R 60x50	B450C_1
p.1	-18.75	13.75	2.2	3.801	-80	-5	R 60x50	B450C_1

Serbatoio Castellaneta - camera di manovra

Posizione	X	Y	Diametro	Area	Q.inf.	Q.sup.	Sezione	Materiale
p.1	-13.92	-17.1	2.2	3.801	-80	-5	R 60x50	B450C_1
p.1	-4.64	-17.1	2.2	3.801	-80	-5	R 60x50	B450C_1
p.1	4.64	-17.1	2.2	3.801	-80	-5	R 60x50	B450C_1
p.1	13.92	-17.1	2.2	3.801	-80	-5	R 60x50	B450C_1
p.1	-13.92	17.1	2.2	3.801	-80	-5	R 60x50	B450C_1
p.1	-4.64	17.1	2.2	3.801	-80	-5	R 60x50	B450C_1
p.1	4.64	17.1	2.2	3.801	-80	-5	R 60x50	B450C_1
p.1	13.92	17.1	2.2	3.801	-80	-5	R 60x50	B450C_1
p.1	-22.1	-9.1	2.2	3.801	-80	-5	R 60x50	B450C_1
p.1	-22.1	0	2.2	3.801	-80	-5	R 60x50	B450C_1
p.1	-22.1	9.1	2.2	3.801	-80	-5	R 60x50	B450C_1
p.1	22.1	-9.1	2.2	3.801	-80	-5	R 60x50	B450C_1
p.1	22.1	0	2.2	3.801	-80	-5	R 60x50	B450C_1
p.1	22.1	9.1	2.2	3.801	-80	-5	R 60x50	B450C_1
p.2	-22.02	-17.02	2	3.142	-5	270	R 60x50	B450C_1
p.2	22.02	-17.02	2	3.142	-5	270	R 60x50	B450C_1
p.2	22.02	17.02	2	3.142	-5	270	R 60x50	B450C_1
p.2	-22.02	17.02	2	3.142	-5	270	R 60x50	B450C_1
p.3	-11.6	-17.2	2	3.142	-5	270	R 60x50	B450C_1
p.3	0	-17.2	2	3.142	-5	270	R 60x50	B450C_1
p.3	11.6	-17.2	2	3.142	-5	270	R 60x50	B450C_1
p.3	-11.6	17.2	2	3.142	-5	270	R 60x50	B450C_1
p.3	0	17.2	2	3.142	-5	270	R 60x50	B450C_1
p.3	11.6	17.2	2	3.142	-5	270	R 60x50	B450C_1
p.4	-22.2	-6.07	2	3.142	-5	270	R 60x50	B450C_1
p.4	-22.2	6.07	2	3.142	-5	270	R 60x50	B450C_1
p.4	22.2	-6.07	2	3.142	-5	270	R 60x50	B450C_1
p.4	22.2	6.07	2	3.142	-5	270	R 60x50	B450C_1

Controlli geometrici NTC08

Nessuna anomalia

Verifiche delle sezioni

Verifica a pressoflessione in SLU

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Verifica
-5	83.63	4.3	0.0343	1,2,3,4	-597330	4390586	-238932	-1095857	8054939	SLU 6	1.835	Si
20	95.27	4.3	0.0343	1,2,3,4	-596731	3820892	-238693	-1255171	8036904	SLU 6	2.103	Si
44	81.12	4.3	0.0343	1,2,3,4	-596133	3251198	-238453	-1292166	7047232	SLU 6	2.168	Si
69	52.69	4.3	0.0343	1,2,3,4	-595535	2681504	-238214	-1249083	5624223	SLU 6	2.097	Si
93	43.98	1.5	0.0343	2,3,4	-594937	2111810	-237975	-1325895	4706451	SLU 6	2.229	Si
118	43.98	1.5	0.0343	2,3,4	-600161	1510381	-240065	-1479604	3723608	SLU 8	2.465	Si
142	43.98	1.5	0.0343	2,3,4	-599563	947012	-239825	-1623051	2563616	SLU 8	2.707	Si
167	43.98	1.5	0.0343	2,3,4	-598965	718758	-239586	-1678071	2013685	SLU 8	2.802	Si
191	43.98	1.5	0.0343	2,3,4	-598367	-718040	-239347	-1678071	-2013685	SLU 8	2.804	Si
216	43.98	1.5	0.0343	2,3,4	-597768	-743093	-239107	-1672069	-2078569	SLU 8	2.797	Si
240	43.98	1.5	0.0343	2,3,4	-597170	-1306461	-238868	-1530346	-3348021	SLU 8	2.563	Si
265	62.89	2.9	0.0343	2,3,4	596584	-1858354	-238634	1511862	-4709439	SLU 8	2.534	Si

Verifica a pressoflessione in SLV

Quota	As	%	At	Pos.	Mx	My	N	MRdx	MRdy	Comb.	Coeff.s.	Nmin	Nlim	Comb.Nmin	Ver.
-5	83.63	4.3	0.0519	1,2,3,4	203739	6847785	-51065	238833	8027315	SLV 2	1.172				Si
20	95.27	4.3	0.0519	1,2,3,4	-1164438	6148297	-103798	-1723159	9098375	SLV 3	1.48				Si
44	81.12	4.3	0.0519	1,2,3,4	121854	5223163	-50697	189571	8125822	SLV 2	1.556				Si
69	52.69	4.3	0.0519	1,2,3,4	32534	4414977	-50327	44013	5972714	SLV 1	1.353				Si
93	43.98	1.5	0.0519	2,3,4	94	3606826	-50143	142	5465540	SLV 1	1.515				Si
118	43.98	1.5	0.0519	2,3,4	120608	2863701	-49959	244688	5809855	SLV 1	2.029				Si
142	43.98	1.5	0.0519	2,3,4	-639972	-13577	-277288	-1569100	-33288	SLV 12	2.452				Si
167	43.98	1.5	0.0519	2,3,4	-286584	-198390	-277104	-703120	-486741	SLV 12	2.453				Si
191	43.98	1.5	0.0519	2,3,4	62110	-409885	-276920	152484	-1006303	SLV 12	2.455				Si
216	43.98	1.5	0.0519	2,3,4	407314	-645421	-276736	1000657	-1585618	SLV 12	2.457				Si
240	43.98	1.5	0.0519	2,3,4	779759	-898960	-276398	1854253	-2137711	SLV 11	2.378				Si
265	62.89	2.9	0.0519	2,3,4	1125512	-1187637	-276218	2670958	-2818387	SLV 11	2.373				Si

Verifica a taglio-torsione in famiglia SLU

Quota	Staffe	Ved,x	Ved,y	Ned	Comb.V	Cot	Vres	c.s.V	Mt	As,t	Al,t	Comb.Tor.	Trcd	Trsd	Trld	c.s.V-T	Ver.
-5	4X/2Y ø8/18.3	-23210	2185	-238932	SLU 6	2.5	50214	2.16	-2302	0.0032	0.0289	SLU 1	2432941.4	2302	2302	1.02	Si
20	4X/2Y ø8/18.3	-23210	2185	-238693	SLU 6	2.5	50214	2.16	-2302	0.0032	0.0289	SLU 1	2432941.4	2302	2302	1.02	Si
44	4X/2Y ø8/18.3	-23210	2185	-238453	SLU 6	2.5	50214	2.16	-2302	0.0032	0.0289	SLU 1	2432941.4	2302	2302	1.02	Si
69	4X/2Y ø8/18.3	-23210	2185	-238214	SLU 6	2.5	50214	2.16	-2302	0.0032	0.0289	SLU 1	2432941.4	2302	2302	1.02	Si
93	4X/2Y ø8/18.3	-23210	2185	-237975	SLU 6	2.5	50214	2.16	-2302	0.0032	0.0289	SLU 1	2432941.4	2302	2302	1.02	Si
118	4X/2Y ø8/18.3	-23210	2185	-237735	SLU 6	2.5	50214	2.16	-2302	0.0032	0.0289	SLU 1	2432941.4	2302	2302	1.02	Si
142	4X/2Y ø8/18.3	-23210	2185	-237496	SLU 6	2.5	50214	2.16	-2302	0.0032	0.0289	SLU 1	2432941.4	2302	2302	1.02	Si
167	4X/2Y ø8/18.3	-23210	2185	-237257	SLU 6	2.5	50214	2.16	-2302	0.0032	0.0289	SLU 1	2432941.4	2302	2302	1.02	Si
191	4X/2Y ø8/18.3	-23210	2185	-237017	SLU 6	2.5	50214	2.16	-2302	0.0032	0.0289	SLU 1	2432941.4	2302	2302	1.02	Si
216	4X/2Y ø8/18.3	-23210	2185	-236778	SLU 6	2.5	50214	2.16	-2302	0.0032	0.0289	SLU 1	2432941.4	2302	2302	1.02	Si
240	4X/2Y ø8/18.3	-23210	2185	-236539	SLU 6	2.5	50214	2.16	-2302	0.0032	0.0289	SLU 1	2432941.4	2302	2302	1.02	Si
265	4X/2Y ø8/18.3	-23210	2185	-236304	SLU 6	2.5	50214	2.16	-2302	0.0032	0.0289	SLU 1	2432941.4	2302	2302	1.02	Si

Verifica a taglio-torsione in famiglia SLV

Quota	Staffe	Ved,x	Ved,y	Ned	Comb.V	Cot	Vres	c.s.V	Mt	As,t	Al,t	Comb.Tor.	Trcd	Trsd	Trld	c.s.V-T	Ver.
-5	4X/2Y ø8/18.3	-34079	-11858	-104168	SLV 4	2.5	50148	1.47	-4123.8	0.0057	0.0517	SLV 1	2432941.4	4123.8	4123.8	1.02	Si
20	4X/2Y ø8/18.3	-34079	-11858	-103984	SLV 4	2.5	50148	1.47	-4123.8	0.0057	0.0517	SLV 1	2432941.4	4123.8	4123.8	1.02	Si
44	4X/2Y ø8/18.3	-34079	-11858	-103800	SLV 4	2.5	50148	1.47	-4123.8	0.0057	0.0517	SLV 1	2432941.4	4123.8	4123.8	1.02	Si
69	4X/2Y ø8/18.3	-34079	-11858	-103616	SLV 4	2.5	50148	1.47	-4123.8	0.0057	0.0517	SLV 1	2432941.4	4123.8	4123.8	1.02	Si
93	4X/2Y ø8/18.3	-34079	-11858	-103432	SLV 4	2.5	50148	1.47	-4123.8	0.0057	0.0517	SLV 1	2432941.4	4123.8	4123.8	1.02	Si
118	4X/2Y ø8/18.3	-34079	-11858	-103248	SLV 4	2.5	50148	1.47	-4123.8	0.0057	0.0517	SLV 1	2432941.4	4123.8	4123.8	1.02	Si
142	4X/2Y ø8/18.3	-34079	-11858	-103064	SLV 4	2.5	50148	1.47	-4123.8	0.0057	0.0517	SLV 1	2432941.4	4123.8	4123.8	1.02	Si
167	4X/2Y ø8/18.3	-34079	-11858	-102879	SLV 4	2.5	50148	1.47	-4123.8	0.0057	0.0517	SLV 1	2432941.4	4123.8	4123.8	1.02	Si
191	4X/2Y ø8/18.3	-34079	-11858	-102695	SLV 4	2.5	50148	1.47	-4123.8	0.0057	0.0517	SLV 1	2432941.4	4123.8	4123.8	1.02	Si
216	4X/2Y ø8/18.3	-34079	-11858	-102511	SLV 4	2.5	50148	1.47	-4123.8	0.0057	0.0517	SLV 1	2432941.4	4123.8	4123.8	1.02	Si
240	4X/2Y ø8/18.3	-34079	-11858	-102327	SLV 4	2.5	50148	1.47	-4123.8	0.0057	0.0517	SLV 1	2432941.4	4123.8	4123.8	1.02	Si
265	4X/2Y ø8/18.3	-34079	-11858	-102147	SLV 4	2.5	50148	1.47	-4123.8	0.0057	0.0517	SLV 1	2432941.4	4123.8	4123.8	1.02	Si

Verifica delle tensioni in combinazioni rara
```
Tensione limite del calcestruzzo 224.1 daN/cm²
Tensione limite dell'acciaio 3600 daN/cm²
Coefficiente di omogeneizzazione impiegato 15
```

Quota	Mx	My	N	Comb.	σc,max	Mx	My	N	Comb.	σf,max	Verifica
-5	-389453	3192216	-178285	SLE RA 1	-135.5	-389453	3192216	-178285	SLE RA 1	-1625.5	Si
20	-353661	2776989	-178101	SLE RA 1	-115.8	-353661	2776989	-178101	SLE RA 1	-1418	Si
44	-317869	2361762	-177917	SLE RA 1	-108.5	-317869	2361762	-177917	SLE RA 1	-1351.5	Si
69	-282078	1946536	-177733	SLE RA 1	-106.4	-282078	1946536	-177733	SLE RA 1	-1352.1	Si
93	-246286	1531309	-177549	SLE RA 1	-97.9	-246286	1531309	-177549	SLE RA 1	-1265.4	Si
118	-210494	1116083	-177364	SLE RA 1	-85.5	-210494	1116083	-177364	SLE RA 1	-1129.2	Si
142	-174702	700856	-177180	SLE RA 1	-73	-174702	700856	-177180	SLE RA 1	-992.9	Si
167	-138911	285629	-176996	SLE RA 1	-60.6	-138911	285629	-176996	SLE RA 1	-856.7	Si
191	-103119	-129597	-176812	SLE RA 1	-55.2	-103119	-129597	-176812	SLE RA 1	-797.6	Si
216	-67327	-544824	-176628	SLE RA 1	-65.2	-67327	-544824	-176628	SLE RA 1	-908.6	Si
240	-31536	-960050	-176444	SLE RA 1	-75.2	-31536	-960050	-176444	SLE RA 1	-1019.6	Si
265	3527	-1366819	-176264	SLE RA 1	-79.5	3527	-1366819	-176264	SLE RA 1	-1053.6	Si

Verifica delle tensioni sul calcestruzzo in combinazioni quasi permanenti
```
Tensione limite del calcestruzzo 168.1 daN/cm²
Coefficiente di omogeneizzazione impiegato 15
```

Quota	Mx	My	N	Comb.	σc,max	Verifica
-5	-342593	2659071	-163898	SLE QP 4	-115.2	Si
20	-312147	2311263	-163714	SLE QP 4	-99.1	Si
44	-281701	1963455	-163530	SLE QP 4	-92.4	Si
69	-251255	1615646	-163346	SLE QP 4	-93.1	Si
93	-220808	1267838	-163162	SLE QP 4	-86	Si
118	-190362	920030	-162977	SLE QP 4	-75.6	Si
142	-159916	572222	-162793	SLE QP 4	-65.2	Si
167	-129470	224414	-162609	SLE QP 4	-54.7	Si
191	-99023	-123394	-162425	SLE QP 4	-50.9	Si
216	-68577	-471203	-162241	SLE QP 4	-59.3	Si
240	-38131	-819011	-162057	SLE QP 4	-67.7	Si
265	-8305	-1159734	-161877	SLE QP 4	-70.3	Si

Verifica di apertura delle fessure nella famiglia di combinazioni frequente
```
Valore limite di controllo 0,400 mm
Coefficiente di viscosità Fi = 1.7
Coefficiente di omogeneizzazione impiegato 15
```

Quota	Mx	My	N	Comb.	Mx,sr	My,sr	N,sr	σs	Ac,eff	ρ,eff	Sm	Wk	Fessurata	Verifica
-5	-389453	3192216	-178285	SLE FR 1	-307948	2524146	2524146	514.1	270.5	0.1124	31.55	0.0047	Si	Si

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

Verifica di instabilità

Q.inf.	Q.sup.	Quota	λ,x	λ,y	λ,limX	λ,limY	M 2° ord.	Nsd	Comb.	M0ed,x	M2,x	M0ed,y	M2,y	Mver,x	Mver,y	C.s x	C.s y	Risultato	(5.38)	(5.39)	Ver.
-80	270	191.4	48	40	41	31	Si	-237017	SLU 6	321374	1476241	1837513	1254584	-1797615	-3092097	2.31	1.95	Min	No	1.57	Si
-80	270	240.5	48	40	41	31	Si	-238868	SLU 8	322400	1595587	1802498	1216140	-1917987	-3018638	2.24		X	Si		Si
-80	270	191.4	48	40	41	31	Si	-237017	SLU 6	321374	1476241	1837513	1254584	-1797615	-3092097	2.31	1.95	Min	No	1.57	Si
-80	270	-5	48	40	41	31	Si	-238932	SLU 6	321374	1430273	1837513	1207317	-1751647	4390586		1.9	Y	Si		Si

Verifiche di gerarchia delle resistenze nei nodi trave pilastro
```
Verifiche di gerarchia delle resistenze nei nodi trave pilastro non presenti in quanto la verifica è non necessaria per la
pilastrata.
```

6.2 Verifiche travate C.A.

N°: indice progressivo della sezione
Descrizione: descrizione della sezione
Tipo: tipo di sezione
Base: base della sezione [cm]
Altezza: altezza della sezione [cm]
Copriferro sup.: distanza del bordo della staffa dalla superficie superiore del getto [cm]
Copriferro inf.: distanza del bordo della staffa dalla superficie inferiore del getto [cm]
Copriferro lat.: distanza del bordo della staffa dalle superfici laterali del getto [cm]
x: distanza da asse appoggio sinistro [cm]
A sup.: area efficace di armatura longitudinale superiore [cm²]
C.b. sup.: distanza dal bordo del baricentro dell'armatura longitudinale superiore [cm]
A inf.: area efficace di armatura longitudinale inferiore [cm²]
C.b. inf.: distanza dal bordo del baricentro dell'armatura longitudinale inferiore [cm]
M+ela: momento flettente desunto dal solutore che tende le fibre inferiori [daN*cm]
Comb.: combinazione
M+des: momento flettente di progetto che tende le fibre inferiori [daN*cm]
M+ult: momento ultimo per trazione delle fibre inferiori [daN*cm]
x/d: rapporto tra posizione asse neutro e altezza utile
M-ela: momento flettente desunto dal solutore che tende le fibre superiori [daN*cm]
M-des: momento flettente di progetto che tende le fibre superiori [daN*cm]
M-ult: momento ultimo per trazione delle fibre superiori [daN*cm]
Verifica: stato di verifica
A st: area di staffe per unità di lunghezza [cm²]
A sl: area di armatura longitudinale tesa per valutazione resistenza taglio in assenza di armature a taglio [cm²]
A sag: area equivalente di barre piegate per unità di lunghezza [cm²]
Vela: taglio elastico [daN]
Vdes: taglio di progetto [daN]
Vrd: resistenza a taglio della sezione senza armature [daN]
Vrcd: sforzo di taglio che produce il cedimento delle bielle [daN]
Vrsd: resistenza a taglio per la presenza delle armature [daN]
Vult: taglio ultimo [daN]
cotgθ: cotg dell'angolo di inclinazione dei puntoni in calcestruzzo
Rara: famiglia di combinazione di verifica

Mela: momento elastico [daN*cm]
Mdes: momento di progetto [daN*cm]
σ c: tensione di compressione nel calcestruzzo [daN/cm²]
σ c lim.: tensione limite di compressione nel calcestruzzo [daN/cm²]
σ f.: tensione di trazione nell'acciaio [daN/cm²]
σ f lim.: tensione limite di trazione nell'acciaio [daN/cm²]
Elastica+: massima freccia a sezione interamente reagente di solo calcestruzzo [cm]
Elastica-: minima freccia a sezione interamente reagente di solo calcestruzzo [cm]
Fess.+: massima freccia a sezione fessurata ed omogeneizzata [cm]
Fess.-: minima freccia a sezione fessurata ed omogeneizzata [cm]
Quasi permanente: famiglia di combinazione di verifica
σ FRP: tensione di trazione nell'FRP [daN/cm²]
σ FRP lim.: tensione limite di trazione nell'FRP [daN/cm²]
Fess. viscosa+: massima freccia a sezione fessurata ed omogeneizzata a viscosità esaurita [cm]
Fess. viscosa-: minima freccia a sezione fessurata ed omogeneizzata a viscosità esaurita [cm]
l/f: rapporto luce su freccia in combinazione quasi permanente
Frequente: famiglia di combinazione di verifica

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

Trave a "Pianerottolo accesso vasche" 16-19

Geometria
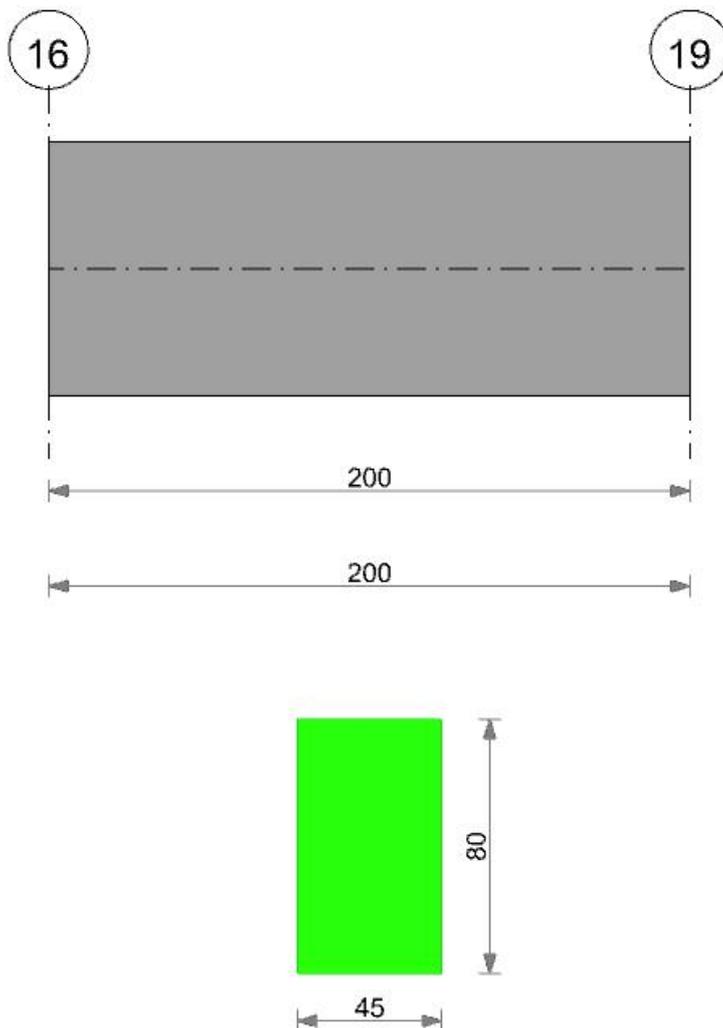
Caratteristiche dei materiali

```
Acciaio: B450C_1 Fyk 4500
Calcestruzzo: C35/45_1 Rck 450
```

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x80	Rettangolare	45	80	6	6	6

Diagramma verifica stato limite ultimo flessione
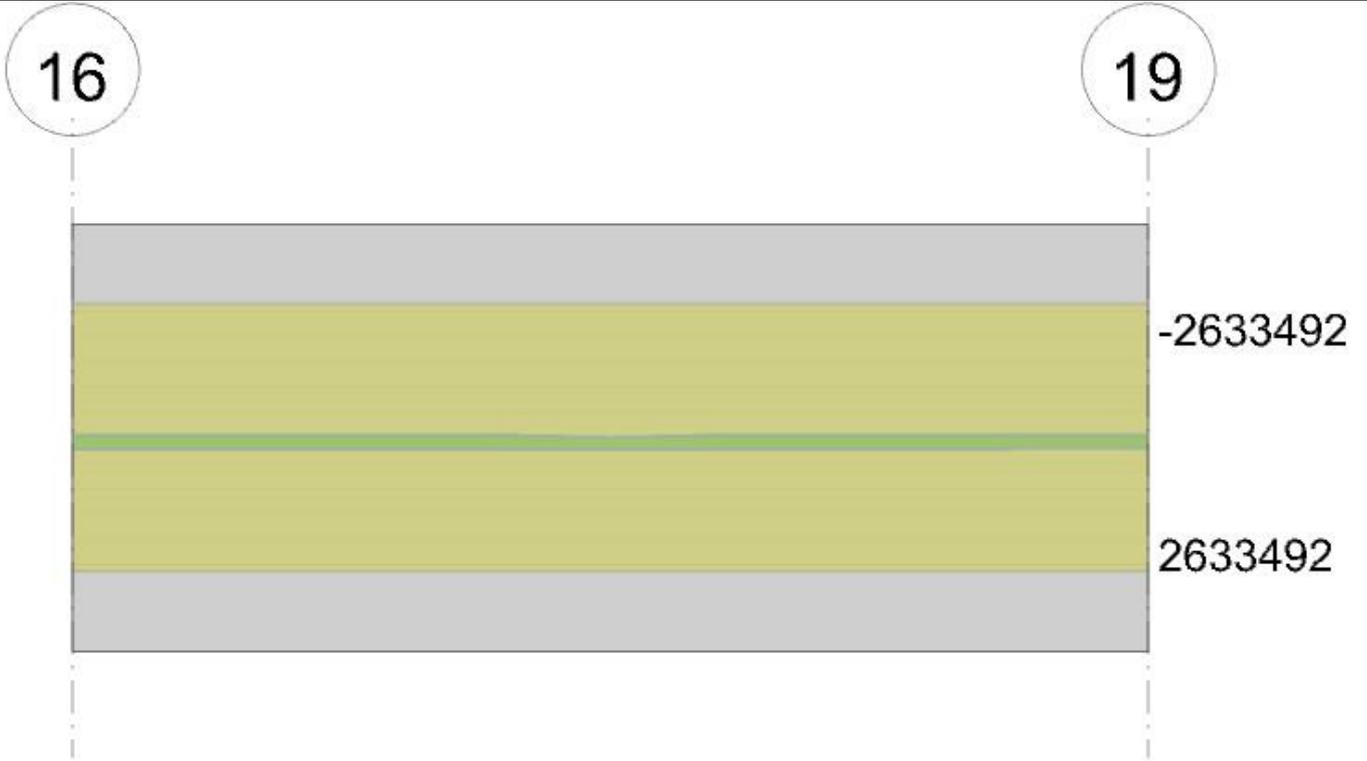
Diagramma verifica stato limite ultimo taglio

Diagramma verifica stato limite esercizio quasi permanente freccia
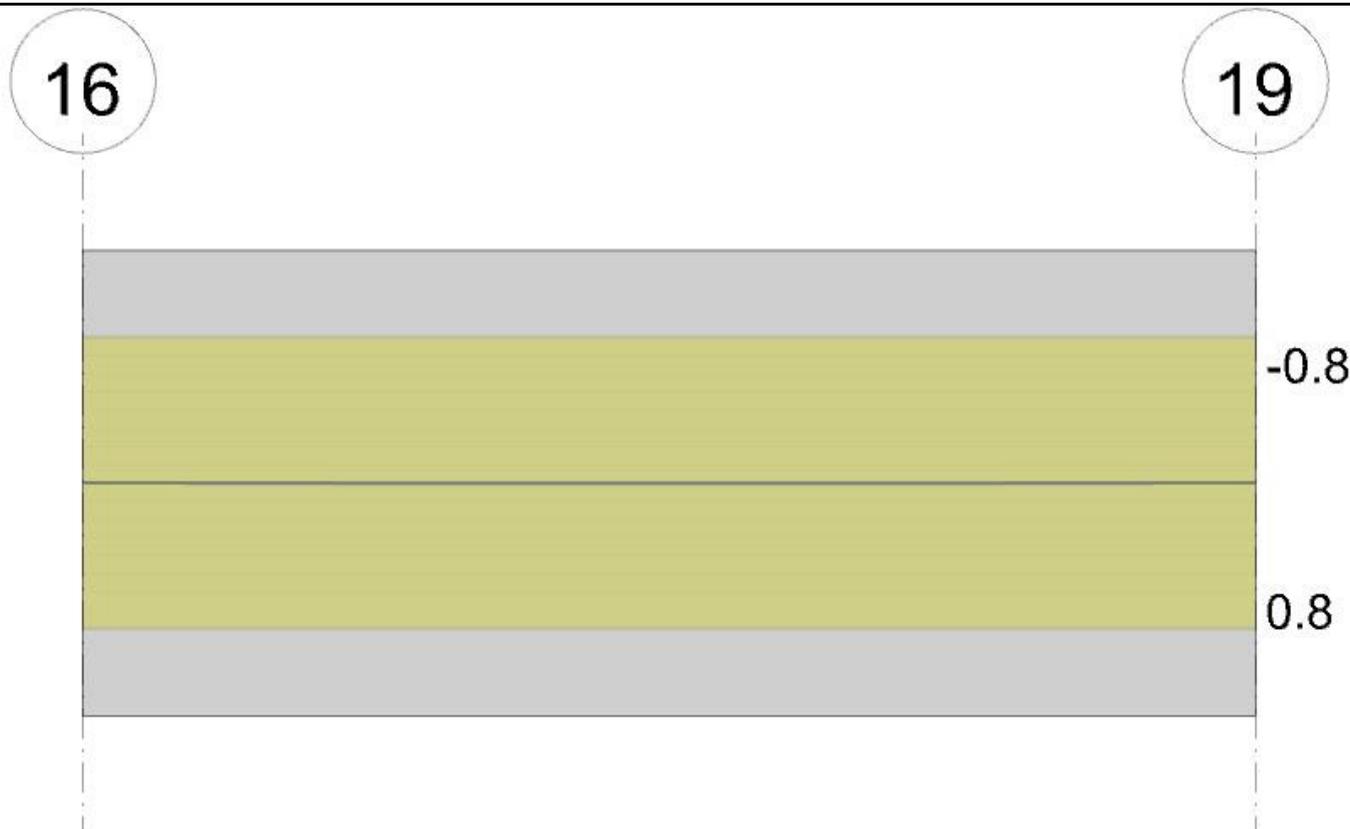
Output campate
Campata 1 tra i fili 16 - 19, sezione R 45x80, aste 11, 12, 13
Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	9.42	7.8	9.42	7.8	108993	SLU 8	217611	2633492	0.091						Si
53	9.42	7.8	9.42	7.8	171784	SLU 8	217611	2633492	0.091						Si
100	9.42	7.8	9.42	7.8	212886	SLU 8	217611	2633492	0.091						Si
153	9.42	7.8	9.42	7.8	164862	SLU 6	217611	2633492	0.091						Si
200	9.42	7.8	9.42	7.8	88848	SLU 6	205369	2633492	0.091						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	9.42	7.8	9.42	7.8	193312	SLV 14	199950	2633492	0.091	−47323	SLV 3	−47323	−2633492	0.091	Si
53	9.42	7.8	9.42	7.8	156970	SLV 14	199950	2633492	0.091	81335	SLV 3	−47323	−2633492	0.091	Si
100	9.42	7.8	9.42	7.8	151046	SLV 10	199950	2633492	0.091	145012	SLV 7	−2464	−2633492	0.091	Si
153	9.42	7.8	9.42	7.8	167750	SLV 1	199950	2633492	0.091	61748	SLV 16	−49617	−2633492	0.091	Si
200	9.42	7.8	9.42	7.8	171504	SLV 1	197905	2633492	0.091	−49617	SLV 16	−49617	−2633492	0.091	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0.07	9.42	0	1528	SLU 5	1528	13168	106704	44733	44733	2.5	Si
53	0.07	9.42	0	904	SLU 5	904	13168	106704	44733	44733	2.5	Si
100	0.07	9.42	0	−333	SLU 8	−333	−13168	−106704	−44733	−44733	2.5	Si
153	0.07	9.42	0	−1386	SLU 8	−1386	−13168	−106704	−44733	−44733	2.5	Si
200	0.07	9.42	0	−1932	SLU 8	−1932	−13168	−106704	−44733	−44733	2.5	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0.07	9.42	0	2654	SLV 1	2654	13168	106704	44733	44733	2.5	Si
0	0.07	9.42	0	−443	SLV 16	−443	−13168	−106704	−44733	−44733	2.5	Si
53	0.07	9.42	0	2174	SLV 1	2174	13168	106704	44733	44733	2.5	Si
53	0.07	9.42	0	−923	SLV 16	−923	−13168	−106704	−44733	−44733	2.5	Si
100	0.07	9.42	0	1655	SLV 1	1655	13168	106704	44733	44733	2.5	Si
100	0.07	9.42	0	−2048	SLV 16	−2048	−13168	−106704	−44733	−44733	2.5	Si
153	0.07	9.42	0	293	SLV 3	293	13168	106704	44733	44733	2.5	Si
153	0.07	9.42	0	−2179	SLV 14	−2179	−13168	−106704	−44733	−44733	2.5	Si
200	0.07	9.42	0	−2599	SLV 14	−2599	−13168	−106704	−44733	−44733	2.5	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	78930	1	160454	5.3	224.1	257.3	3600	72994	4	150158	4.9	168.1	0	+∞	Si
53	126946	1	160454	5.3	224.1	257.3	3600	119153	4	150158	4.9	168.1	0	+∞	Si
100	157757	1	160454	5.3	224.1	257.3	3600	148029	4	150158	4.9	168.1	0	+∞	Si
153	121962	1	160454	5.3	224.1	257.3	3600	114749	4	150158	4.9	168.1	0	+∞	Si
200	64983	1	151988	5	224.1	243.7	3600	60943	4	142725	4.7	168.1	0	+∞	Si

Verifica di apertura delle fessure
La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
53	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	4	0.002	4	9999	Si
100	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	4	0.002	4	9999	Si
153	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	4	0.002	4	9999	Si

Trave a "Pianerottolo ingresso" 14-15

Geometria
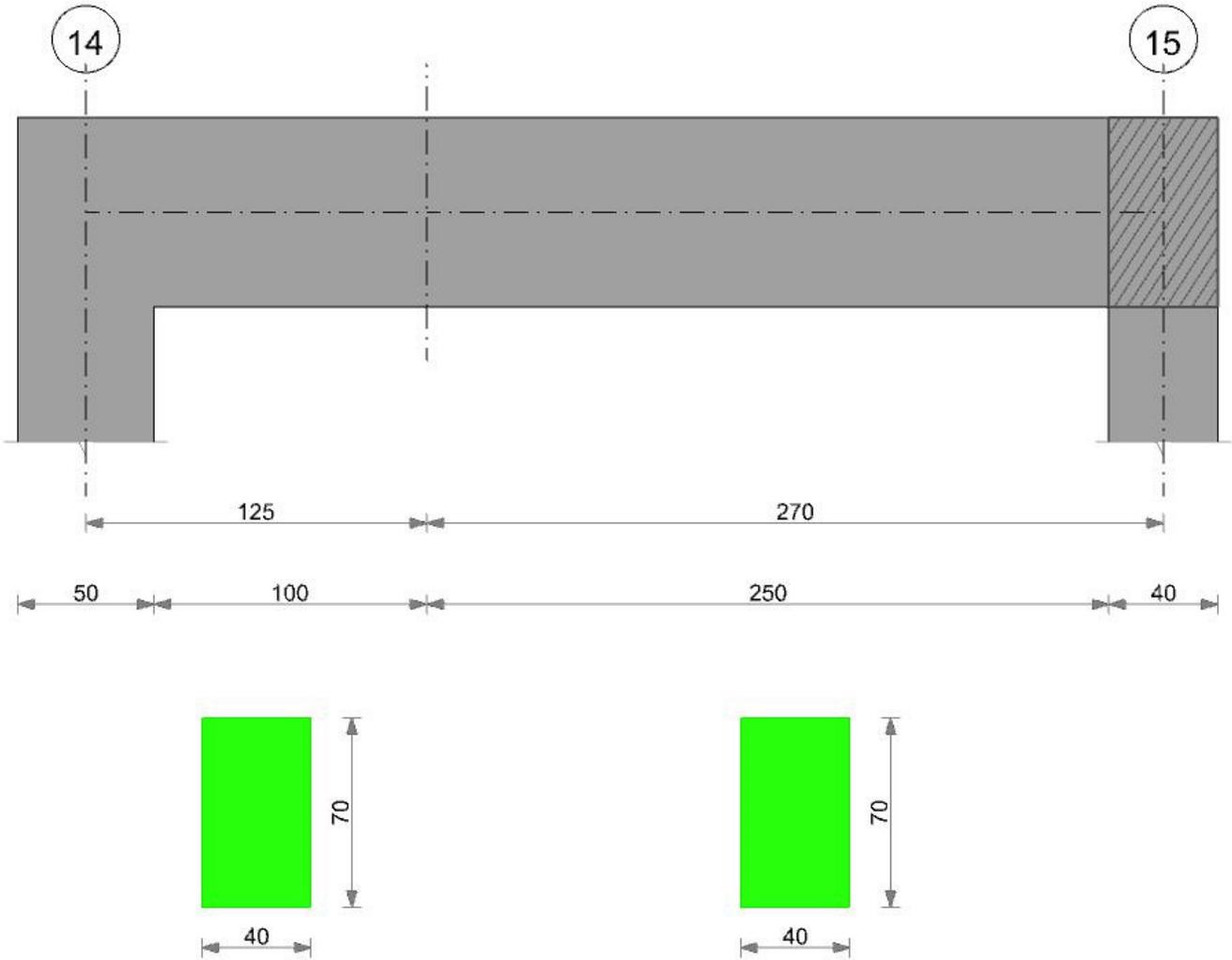
Caratteristiche dei materiali

Acciaio: B450C_1 Fyk 4500
Calcestruzzo: C35/45_1 Rck 450

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	6	6	6

Diagramma verifica stato limite ultimo flessione

Diagramma verifica stato limite ultimo taglio

Diagramma verifica stato limite esercizio quasi permanente freccia
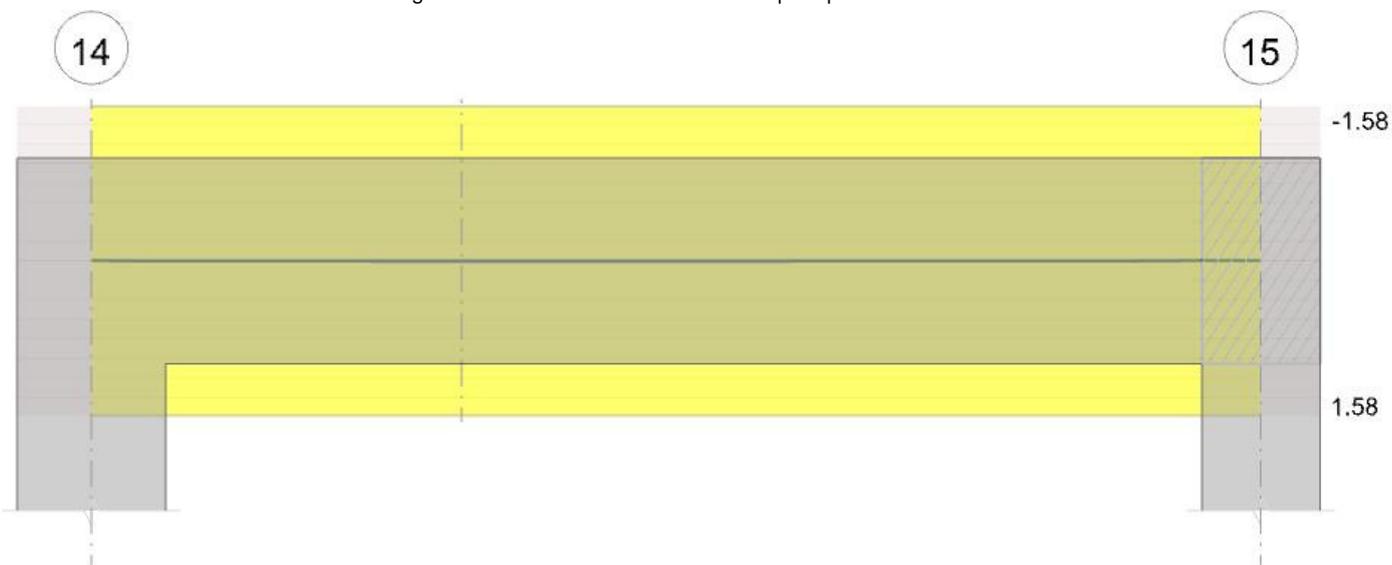
Output campate
Campata 1 tra i fili 14 - , sezione R 40x70, aste 8, 9
Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	6.28	7.8	6.28	7.8						−213443	SLU 8	−166993	−1553901	0.094	Si
25	6.28	7.8	6.28	7.8	−113001	SLU 2	100630	1553901	0.094	−124705	SLU 7	−124705	−1553901	0.094	Si
29	6.28	7.8	6.28	7.8	−101504	SLU 2	112558	1553901	0.094	−110785	SLU 7	−124705	−1553901	0.094	Si
58	6.28	7.8	6.28	7.8	−11105	SLU 8	183108	1553901	0.094	−31060	SLU 1	−124705	−1553901	0.094	Si
62	6.28	7.8	6.28	7.8	2208	SLU 8	183108	1553901	0.094	−21207	SLU 1	−124705	−1553901	0.094	Si
96	6.28	7.8	6.28	7.8	103106	SLU 8	183108	1553901	0.094	53297	SLU 1	−121844	−1553901	0.094	Si
125	6.28	7.8	6.28	7.8	183108	SLU 8	183108	1553901	0.094	112115	SLU 1	−39503	−1553901	0.094	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	6.28	7.8	6.28	7.8	672873	SLV 1	554147	1553901	0.094	−852213	SLV 16	−676134	−1553901	0.094	Si
25	6.28	7.8	6.28	7.8	418326	SLV 1	607692	1553901	0.094	−487335	SLV 16	−487335	−1553901	0.094	Si
29	6.28	7.8	6.28	7.8	374864	SLV 1	664894	1553901	0.094	−426181	SLV 16	−487335	−1553901	0.094	Si
58	6.28	7.8	6.28	7.8	137698	SLV 7	1017912	1553901	0.094	−71913	SLV 10	−729218	−1553901	0.094	Si
62	6.28	7.8	6.28	7.8	171906	SLV 7	1017912	1553901	0.094	−90381	SLV 10	−729218	−1553901	0.094	Si
96	6.28	7.8	6.28	7.8	619460	SLV 11	1017912	1553901	0.094	−420647	SLV 6	−729218	−1553901	0.094	Si
125	6.28	7.8	6.28	7.8	1017912	SLV 11	1017912	1553901	0.094	−729218	SLV 6	−729218	−1553901	0.094	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0		6.28	0	3716	SLU 8	3716	10440	81711		10440	2.5	Si
25	0.06	6.28	0	3489	SLU 8	3489	10440	81711	33033	33033	2.5	Si
29	0.06	6.28	0	3482	SLU 8	3482	10440	81711	33033	33033	2.5	Si
62	0.06	6.28	0	3179	SLU 8	3179	10440	81711	33033	33033	2.5	Si
96	0.06	6.28	0	2875	SLU 8	2875	10440	81711	33033	33033	2.5	Si
125	0.06	6.28	0	2610	SLU 8	2610	10440	81711	33033	33033	2.5	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	6.28	0	15279	SLV 16	15279	10440	81711	0	10440	2.5	Si
0	0	6.28	0	−10691	SLV 1	−10691	−10440	−81711	0	−10440	2.5	Si
25	0.06	6.28	0	15104	SLV 16	15104	10440	81711	33033	33033	2.5	Si
25	0.06	6.28	0	−10866	SLV 1	−10866	−10440	−81711	−33033	−33033	2.5	Si
29	0.06	6.28	0	14961	SLV 16	14961	10440	81711	33033	33033	2.5	Si
29	0.06	6.28	0	−10743	SLV 1	−10743	−10440	−81711	−33033	−33033	2.5	Si
62	0.06	6.28	0	14728	SLV 16	14728	10440	81711	33033	33033	2.5	Si
62	0.06	6.28	0	−10976	SLV 1	−10976	−10440	−81711	−33033	−33033	2.5	Si
96	0.06	6.28	0	14495	SLV 16	14495	10440	81711	33033	33033	2.5	Si
96	0.06	6.28	0	−11209	SLV 1	−11209	−10440	−81711	−33033	−33033	2.5	Si

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
125	0.06	6.28	0	14291	SLV 16	14291	10440	81711	33033	33033	2.5	Si
125	0.06	6.28	0	-11413	SLV 1	-11413	-10440	-81711	-33033	-33033	2.5	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-140600	1	-108054	5.9	224.1	301.1	3600	-89670	4	-60993	3.3	168.1	0	+∞	Si
25								7595	1	123028	6.7	168.1	0	+∞	Si
25	-77695	1	-77695	4.2	224.1	216.5	3600	-34504	4	-34504	1.9	168.1	0	+∞	Si
29								15425	1	128817	7	168.1	0	+∞	Si
29	-67538	1	-77695	4.2	224.1	216.5	3600	-25659	4	-34504	1.9	168.1	0	+∞	Si
62	9360	1	132589	7.2	224.1	369.5	3600	73719	1	162067	8.8	168.1	0	+∞	Si
96	78481	1	132589	7.2	224.1	369.5	3600	124237	1	162067	8.8	168.1	0	+∞	Si
125	132589	1	132589	7.2	224.1	369.5	3600	162067	1	162067	8.8	168.1	0	+∞	Si

Verifica di apertura delle fessure
La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
25	0	0	0	0	0	0	0	0	0.001	0.001	0.002	1	0.002	1	9999	Si
29	0.001	0.001	0	0	0.001	0.001	0	0	0.001	0.001	0.003	1	0.002	1	9999	Si
62	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	0.002	0.006	1	0.004	1	9999	Si
96	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.004	0.003	0.008	1	0.006	1	9999	Si
125	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	0.003	0.01	1	0.007	1	9999	Si

Campata 2 tra i fili   - 15, sezione R 40x70, asta 10
Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	6.28	7.8	6.28	7.8	132857	SLU 8	132857	1553901	0.094						Si
72	6.28	7.8	6.28	7.8	82999	SLU 8	132035	1553901	0.094	28968	SLU 1	-30160	-1553901	0.094	Si
135	6.28	7.8	6.28	7.8	674	SLU 8	89827	1553901	0.094	-22685	SLU 1	-133166	-1553901	0.094	Si
198	6.28	7.8	6.28	7.8	-101975	SLU 3	11501	1553901	0.094	-117915	SLU 6	-242805	-1553901	0.094	Si
250	6.28	7.8	6.28	7.8						-242805	SLU 8	-242805	-1553901	0.094	Si
270	6.28	7.8	6.28	7.8						-297360	SLU 8	-269204	-1553901	0.094	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	6.28	7.8	6.28	7.8	1402601	SLV 15	1402601	1553901	0.094	-1165083	SLV 2	-1165083	-1553901	0.094	Si
72	6.28	7.8	6.28	7.8	887911	SLV 15	1388567	1553901	0.094	-716386	SLV 2	-1152012	-1553901	0.094	Si
135	6.28	7.8	6.28	7.8	407875	SLV 15	939302	1553901	0.094	-353629	SLV 2	-758309	-1553901	0.094	Si
198	6.28	7.8	6.28	7.8	111102	SLV 10	462324	1553901	0.094	-229703	SLV 7	-676597	-1553901	0.094	Si
250	6.28	7.8	6.28	7.8	373370	SLV 6	373370	1553901	0.094	-676597	SLV 11	-676597	-1553901	0.094	Si
270	6.28	7.8	6.28	7.8	472061	SLV 6	423419	1553901	0.094	-856242	SLV 11	-765772	-1553901	0.094	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0.06	6.28	0	-365	SLU 8	-365	-10440	-81711	-33033	-33033	2.5	Si
72	0.06	6.28	0	-1020	SLU 8	-1020	-10440	-81711	-33033	-33033	2.5	Si
135	0.06	6.28	0	-1593	SLU 8	-1593	-10440	-81711	-33032	-33032	2.5	Si
198	0.06	6.28	0	-2167	SLU 8	-2167	-10440	-81711	-33032	-33032	2.5	Si
250	0.06	6.28	0	-2640	SLU 8	-2640	-10440	-81711	-33032	-33032	2.5	Si
270	0	6.28	0	-2822	SLU 8	-2822	-10440	-81711	0	-10440	2.5	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0.06	6.28	0	6755	SLV 6	6755	10440	81711	33033	33033	2.5	Si
0	0.06	6.28	0	-7167	SLV 11	-7167	-10440	-81711	-33033	-33033	2.5	Si
72	0.06	6.28	0	6251	SLV 6	6251	10440	81711	33032	33032	2.5	Si
72	0.06	6.28	0	-7671	SLV 11	-7671	-10440	-81711	-33032	-33032	2.5	Si
135	0.06	6.28	0	5810	SLV 6	5810	10440	81711	33032	33032	2.5	Si
135	0.06	6.28	0	-8112	SLV 11	-8112	-10440	-81711	-33032	-33032	2.5	Si
198	0.06	6.28	0	5369	SLV 6	5369	10440	81711	33032	33032	2.5	Si
198	0.06	6.28	0	-8553	SLV 11	-8553	-10440	-81711	-33032	-33032	2.5	Si
250	0.06	6.28	0	5005	SLV 6	5005	10440	81711	33032	33032	2.5	Si
250	0.06	6.28	0	-8917	SLV 11	-8917	-10440	-81711	-33032	-33032	2.5	Si
270	0	6.28	0	4865	SLV 6	4865	10440	81711	0	10440	2.5	Si
270	0	6.28	0	-9057	SLV 11	-9057	-10440	-81711	0	-10440	2.5	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	92658	1	92658	5	224.1	258.2	3600	146112	1	146112	7.9	168.1	0	+∞	Si
72	60566	1	92202	5	224.1	256.9	3600	107444	1	145471	7.9	168.1	0	+∞	Si
135	2718	1	65213	3.5	224.1	181.7	3600	43842	1	112728	6.1	168.1	0	+∞	Si
198	-82915	1	-174575	9.5	224.1	486.5	3600	-59300	4	-155251	8.4	168.1	0	+∞	Si
250	-174575	1	-174575	9.5	224.1	486.5	3600	-155251	3	-155251	8.4	168.1	0	+∞	Si
270	-214801	1	-194012	10.5	224.1	540.7	3600	-197176	3	-175538	9.5	168.1	0	+∞	Si

Verifica di apertura delle fessure
La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente							Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f	
0	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	0.003	0.01	1	0.007	1	9999	Si
36	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.005	0.004	0.01	1	0.007	1	9999	Si
72	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.004	0.003	0.01	1	0.007	1	9999	Si
135	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	0.002	0.007	1	0.005	1	9999	Si
198	0	0	0	0	0	0	0	0	0.001	0.001	0.003	1	0.001	1	9999	Si
250	0	0	0	0	0	0	0	0	0	0	0	1	0	1	9999	Si

Trave a "Pianerottolo ingresso" 15-20-22

Geometria
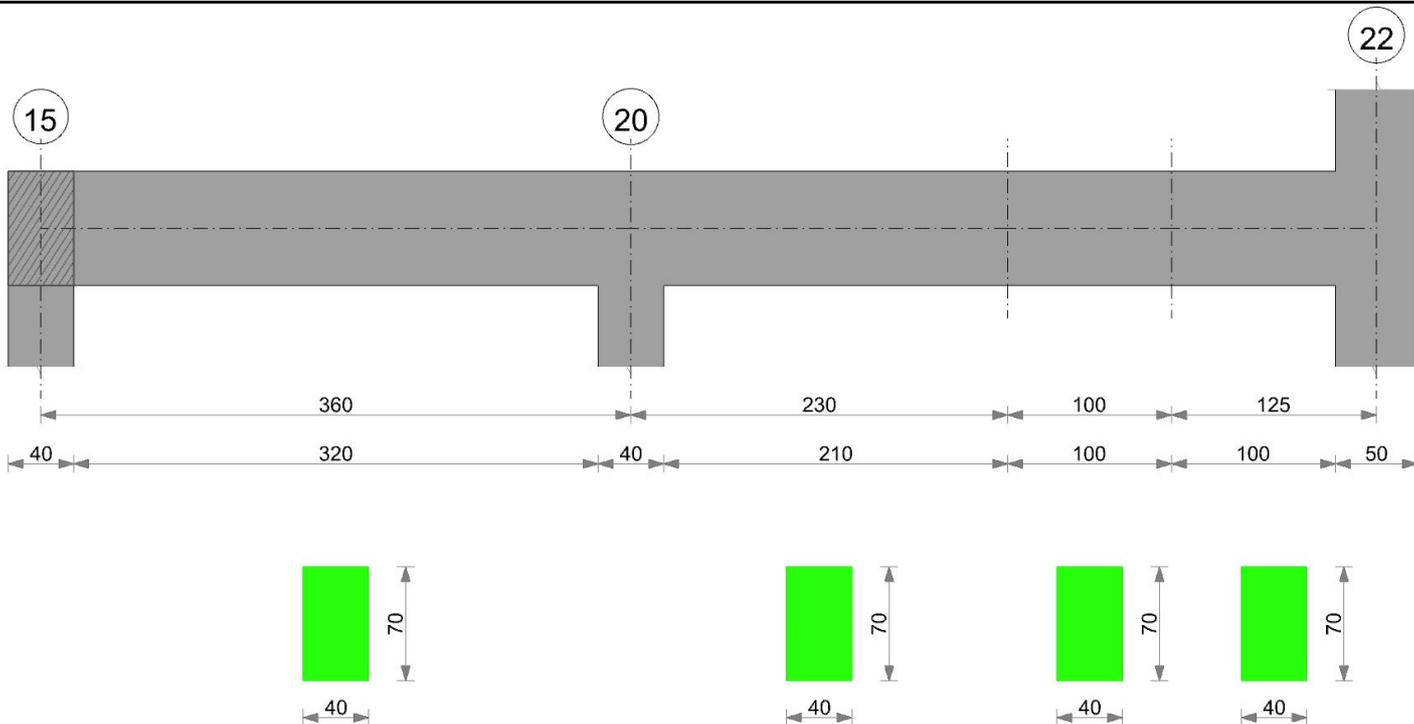
Caratteristiche dei materiali

Acciaio: B450C_1 Fyk 4500
Calcestruzzo: C35/45_1 Rck 450

Elenco delle sezioni

| N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 40x70	Rettangolare	40	70	6	6	6

Diagramma verifica stato limite ultimo flessione

Diagramma verifica stato limite ultimo taglio

Diagramma verifica stato limite esercizio quasi permanente freccia
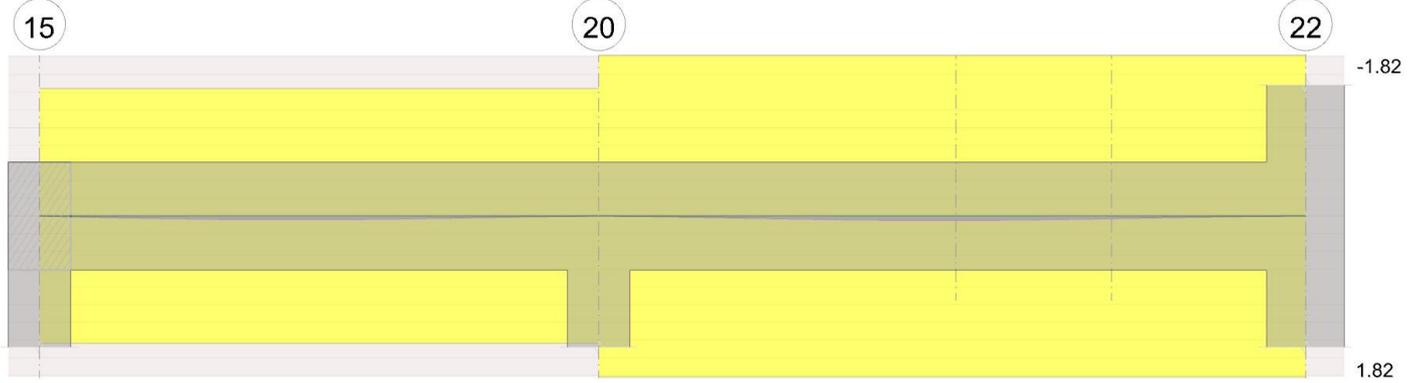
Output campate
Campata 1 tra i fili 15 - 20, sezione R 40x70, asta 2
Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	6.28	7.8	6.28	7.8						−316754	SLU 5	−154216	−1553901	0.094	Si
20	6.28	7.8	6.28	7.8	7254	SLU 4	838509	1553901	0.094	−6399	SLU 5	−6399	−1553901	0.094	Si
84	6.28	7.8	6.28	7.8	783909	SLU 8	1174508	1553901	0.094	740887	SLU 1	−6399	−1553901	0.094	Si
180	6.28	7.8	6.28	7.8	1139173	SLU 8	1394120	1553901	0.094						Si
264	9.42	7.8	6.28	7.8	324641	SLU 7	1075687	1561045	0.1	321691	SLU 2	−1171624	−2237378	0.107	Si
340	9.42	7.8	6.28	7.8	−1238678	SLU 1	227989	1561045	0.1	−1335612	SLU 8	−1335612	−2237378	0.107	Si
360	9.42	7.8	6.28	7.8						−1913873	SLU 8	−1610859	−2237378	0.107	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	6.28	7.8	6.28	7.8	194526	SLV 16	194526	1553901	0.094	−529470	SLV 1	−428247	−1553901	0.094	Si
20	6.28	7.8	6.28	7.8	321442	SLV 16	634085	1553901	0.094	−334705	SLV 1	−334705	−1553901	0.094	Si
84	6.28	7.8	6.28	7.8	616257	SLV 16	709999	1553901	0.094	176826	SLV 1	−334705	−1553901	0.094	Si
180	6.28	7.8	6.28	7.8	640464	SLV 14	709999	1553901	0.094						Si
264	9.42	7.8	6.28	7.8	292241	SLV 5	591277	1561045	0.1	−2672	SLV 12	−894725	−2237378	0.107	Si
340	9.42	7.8	6.28	7.8	−449227	SLV 5	248928	1561045	0.1	−989194	SLV 12	−989194	−2237378	0.107	Si
360	9.42	7.8	6.28	7.8						−1319643	SLV 12	−1149549	−2237378	0.107	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	6.28	0	16382	SLU 5	16382	10440	81711	0	10440	2.5	Si
20	0.063	6.28	0	14782	SLU 5	14782	10440	81711	34409	34409	2.5	Si
84	0.063	6.28	0	9662	SLU 5	9662	10440	81711	34409	34409	2.5	Si
180	0.063	6.28	0	−3380	SLU 8	−3380	−10440	−81711	−34409	−34409	2.5	Si
264	0.063	6.28	0	−16056	SLU 8	−16056	−10440	−81711	−34409	−34409	2.5	Si
340	0.063	9.42	0	−27525	SLU 8	−27525	−11316	−81711	−34409	−34409	2.5	Si
360	0	9.42	0	−30543	SLU 8	−30543	−11316	−81711	0	−11316	2.5	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	6.28	0	10217	SLV 5	10217	10440	81711	0	10440	2.5	Si
20	0.063	6.28	0	9366	SLV 5	9366	10440	81711	34409	34409	2.5	Si
84	0.063	6.28	0	6643	SLV 5	6643	10440	81711	34409	34409	2.5	Si
180	0.063	6.28	0	−3540	SLV 12	−3540	−10440	−81711	−34409	−34409	2.5	Si
264	0.063	6.28	0	−10100	SLV 12	−10100	−10440	−81711	−34409	−34409	2.5	Si
340	0.063	9.42	0	−16036	SLV 12	−16036	−11316	−81711	−34409	−34409	2.5	Si
360	0	9.42	0	−17598	SLV 12	−17598	−11316	−81711	0	−11316	2.5	Si

Verifiche delle tensioni in esercizio

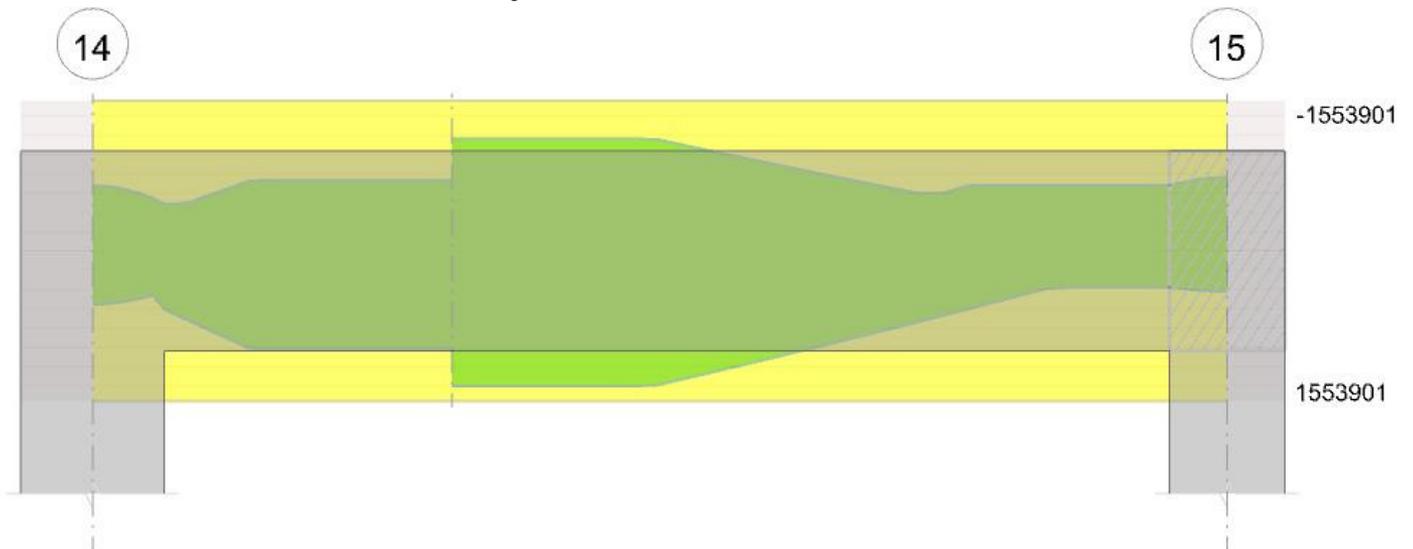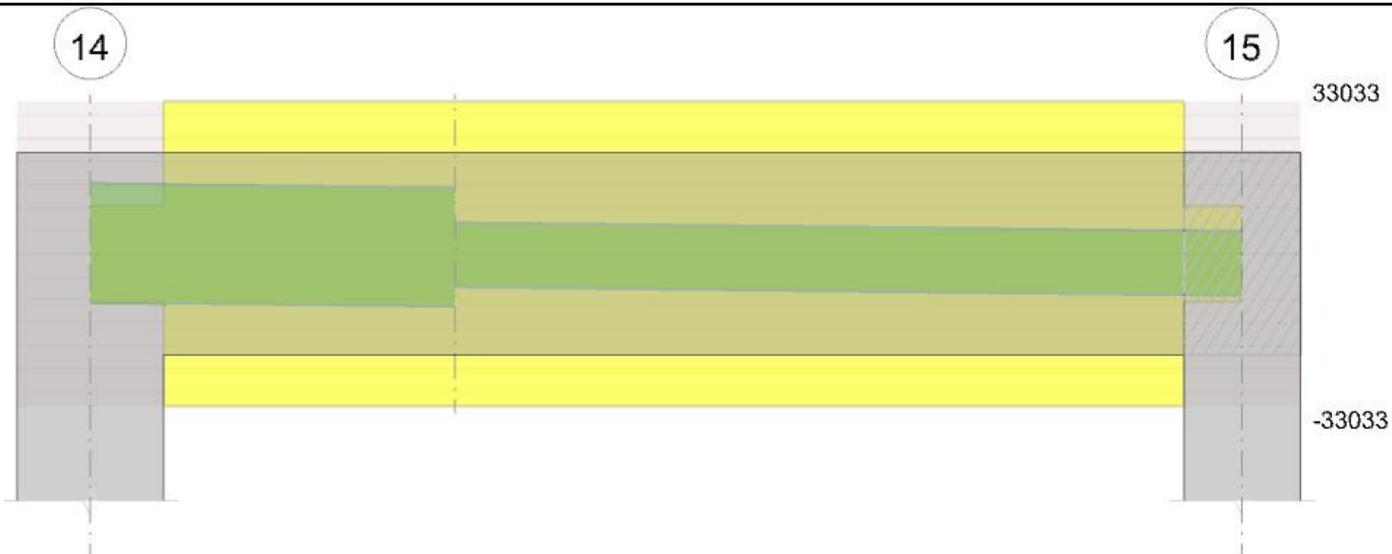| x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	−212467	1	−102894	5.6	224.1	286.7	3600	−167744	2	−83267	4.5	168.1	0	+∞	Si
20	−3331	1	−3331	0.2	224.1	9.3	3600	−14523	3	−14523	0.8	168.1	0	+∞	Si
84	523331	1	785339	42.6	224.1	2188.5	3600	397465	2	595656	32.3	168.1	0	+∞	Si
180	760914	1	786860	42.7	224.1	2192.8	3600	575800	2	596736	32.4	168.1	0	+∞	Si
264	208336	1	717578	37.6	224.1	2001.8	3600	148269	2	541954	28.4	168.1	0	+∞	Si
340	−912188	1	−912188	42.1	224.1	1718	3600	−719210	4	−719210	33.2	168.1	0	+∞	Si
360	−1302733	1	−1098095	50.7	224.1	2068.1	3600	−1019975	4	−862407	39.8	168.1	0	+∞	Si

Verifica di apertura delle fessure
```
La campata non presenta apertura delle fessure
```

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f
20	0.004	0.004	0.003	0.003	0.004	0.004	0.003	0.003	0.003	0.001	0.007	2	0.002	2	9999	Si
84	0.017	0.017	0.014	0.014	0.017	0.017	0.014	0.014	0.013	0.004	0.029	2	0.009	2	9999	Si
168	0.024	0.024	0.019	0.019	0.024	0.024	0.019	0.019	0.018	0.006	0.04	2	0.012	2	8975	Si
180	0.024	0.024	0.019	0.019	0.024	0.024	0.019	0.019	0.018	0.005	0.04	2	0.011	2	9099	Si
264	0.015	0.015	0.011	0.011	0.015	0.015	0.011	0.011	0.011	0.003	0.023	2	0.005	2	9999	Si
340	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.001	0	0.002	2	0	2	9999	Si

Campata 2 tra i fili 20 - , sezione R 40x70, asta 3
Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	9.42	7.8	6.28	7.8						−2002909	SLU 5	−1707265	−2237378	0.107	Si
20	9.42	7.8	6.28	7.8	−1325714	SLU 4	63000	1561045	0.1	−1440745	SLU 5	−1440745	−2237378	0.107	Si
61	9.42	7.8	6.28	7.8	−419990	SLU 4	595926	1561045	0.1	−466978	SLU 5	−1440745	−2237378	0.107	Si
115	8.46	7.8	6.28	7.8	415127	SLU 6	966043	1559236	0.098	386633	SLU 3	−820466	−2026648	0.103	Si
176	6.28	7.8	6.28	7.8	923378	SLU 6	1093304	1553901	0.094						Si
230	6.28	7.8	6.28	7.8	1093304	SLU 6	1093304	1553901	0.094						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	9.42	7.8	6.28	7.8						−1256646	SLV 3	−1077362	−2237378	0.107	Si
20	9.42	7.8	6.28	7.8	−667245	SLV 16	176570	1561045	0.1	−911445	SLV 1	−911445	−2237378	0.107	Si
61	9.42	7.8	6.28	7.8	−165961	SLV 12	589680	1561045	0.1	−371603	SLV 5	−911445	−2237378	0.107	Si
115	8.46	7.8	6.28	7.8	442289	SLV 8	958505	1559236	0.098	−27668	SLV 9	−545937	−2026648	0.103	Si
161	6.28	7.8	6.28	7.8	810433	SLV 8	1171176	1553901	0.094	71385	SLV 9	−145144	−1553901	0.094	Si

Serbatoio Castellaneta - camera di manovra

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
176	6.28	7.8	6.28	7.8	908024	SLV 8	1171176	1553901	0.094	78846	SLV 9	-64418	-1553901	0.094	Si
230	6.28	7.8	6.28	7.8	1171176	SLV 8	1171176	1553901	0.094						Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	9.42	0	29701	SLU 6	29701	11316	81711	0	11316	2.5	Si
20	0.062	9.42	0	26683	SLU 6	26683	11316	81711	34081	34081	2.5	Si
61	0.062	8.15	0	20446	SLU 6	20446	10782	81711	34081	34081	2.5	Si
115	0.062	6.28	0	12347	SLU 6	12347	10440	81711	34081	34081	2.5	Si
176	0.062	6.28	0	5313	SLU 6	5313	10440	81711	34081	34081	2.5	Si
230	0.062	6.28	0	1020	SLU 6	1020	10440	81711	34081	34081	2.5	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0	9.42	0	18718	SLV 8	18718	11316	81711	0	11316	2.5	Si
20	0.062	9.42	0	17156	SLV 8	17156	11316	81711	34081	34081	2.5	Si
61	0.062	8.15	0	13928	SLV 8	13928	10782	81711	34081	34081	2.5	Si
115	0.062	6.28	0	9737	SLV 8	9737	10440	81711	34081	34081	2.5	Si
176	0.062	6.28	0	6060	SLV 8	6060	10440	81711	34081	34081	2.5	Si
230	0.062	6.28	0	3777	SLV 8	3777	10440	81711	34081	34081	2.5	Si
230	0.062	6.28	0	-2145	SLV 9	-2145	-10440	-81711	-34081	-34081	2.5	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-1371738	1	-1170453	54	224.1	2204.4	3600	-1088321	4	-931296	43	168.1	0	+∞	Si
20	-988815	1	-988815	45.6	224.1	1862.3	3600	-789345	4	-789345	36.4	168.1	0	+∞	Si
61	-324295	1	-988815	45.6	224.1	1862.3	3600	-268835	2	-789345	36.4	168.1	0	+∞	Si
115	278080	1	660823	35	224.1	1842.9	3600	207311	4	518491	27.5	168.1	0	+∞	Si
176	630762	1	752826	40.8	224.1	2097.9	3600	493435	4	598494	32.4	168.1	0	+∞	Si
230	752826	1	752826	40.8	224.1	2097.9	3600	598494	4	598494	32.4	168.1	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f
20	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.001	0.001	0.002	4	0.001	4	9999	Si
61	0.008	0.008	0.006	0.006	0.008	0.008	0.006	0.006	0.006	0.003	0.012	4	0.006	4	9999	Si
115	0.018	0.018	0.013	0.013	0.018	0.018	0.013	0.013	0.014	0.007	0.029	4	0.015	4	9999	Si
176	0.026	0.026	0.02	0.02	0.026	0.026	0.02	0.02	0.021	0.011	0.044	4	0.023	4	9999	Si
222	0.028	0.028	0.022	0.022	0.028	0.028	0.022	0.022	0.022	0.012	0.047	4	0.025	4	9600	Si
230	0.027	0.027	0.021	0.021	0.027	0.027	0.021	0.021	0.022	0.012	0.047	4	0.025	4	9641	Si

Campata 3 tra i fili   - , sezione R 40x70, aste 4, 5, 6

Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	6.28	7.8	6.28	7.8	1055553	SLU 6	1055553	1553901	0.094						Si
27	7.62	7.8	6.28	7.8	979924	SLU 6	1055553	1557393	0.097						Si
50	8.54	7.8	6.28	7.8	753635	SLU 6	1055553	1559395	0.098						Si
77	9.42	7.8	6.28	7.8	437827	SLU 5	1041918	1561045	0.1						Si
100	9.42	7.8	6.28	7.8	184382	SLU 5	966363	1561045	0.1						Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	6.28	7.8	6.28	7.8	1118529	SLV 8	1118529	1553901	0.094						Si
27	7.62	7.8	6.28	7.8	1044206	SLV 8	1118529	1557393	0.097						Si
50	8.54	7.8	6.28	7.8	744919	SLV 8	1118529	1559395	0.098	98639	SLV 9	-23047	-2044615	0.103	Si
77	9.42	7.8	6.28	7.8	329472	SLV 3	1102674	1561045	0.1	176313	SLV 14	-23047	-2237378	0.107	Si
100	9.42	7.8	6.28	7.8	257554	SLV 5	1032739	1561045	0.1	-23047	SLV 12	-23047	-2237378	0.107	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0.062	6.28	0	-1802	SLU 8	-1802	-10440	-81711	-34081	-34081	2.5	Si
27	0.06	6.28	0	-3935	SLU 8	-3935	-10440	-81711	-33032	-33032	2.5	Si
50	0.06	6.28	0	-7785	SLU 8	-7785	-10440	-81711	-33032	-33032	2.5	Si
77	0.06	6.28	0	-10079	SLU 8	-10079	-10440	-81711	-33032	-33032	2.5	Si
100	0.06	6.28	0	-11946	SLU 8	-11946	-10440	-81711	-33032	-33032	2.5	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0.062	6.28	0	745	SLV 9	745	10440	81711	34081	34081	2.5	Si
0	0.062	6.28	0	-2281	SLV 8	-2281	-10440	-81711	-34081	-34081	2.5	Si
27	0.06	6.28	0	-3416	SLV 8	-3416	-10440	-81711	-33032	-33032	2.5	Si
50	0.06	6.28	0	1291	SLV 9	1291	10440	81711	33032	33032	2.5	Si
50	0.06	6.28	0	-9376	SLV 8	-9376	-10440	-81711	-33032	-33032	2.5	Si
77	0.06	6.28	0	1550	SLV 5	1550	10440	81711	33032	33032	2.5	Si
77	0.06	6.28	0	-12183	SLV 12	-12183	-10440	-81711	-33032	-33032	2.5	Si
100	0.06	6.28	0	557	SLV 5	557	10440	81711	33032	33032	2.5	Si
100	0.06	8.01	0	-13176	SLV 12	-13176	-10719	-81711	-33032	-33032	2.5	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente							Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	726043	1	726043	39.4	224.1	2023.3	3600	577397	4	577397	31.3	168.1	0	+∞	Si
27	675043	1	726043	38.8	224.1	2024.2	3600	541786	4	577397	30.9	168.1	0	+∞	Si
50	517400	1	726043	38.4	224.1	2024.8	3600	421779	4	577397	30.6	168.1	0	+∞	Si
77	297328	1	716878	37.6	224.1	1999.9	3600	267408	2	571302	30	168.1	0	+∞	Si
100	121063	1	665875	34.9	224.1	1857.6	3600	139283	2	535154	28.1	168.1	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.	l/f
0	0.027	0.027	0.021	0.021	0.027	0.027	0.021	0.021	0.022	0.012	0.047	4	0.025	4	9641	Si
27	0.026	0.026	0.02	0.02	0.026	0.026	0.02	0.02	0.021	0.011	0.045	4	0.024	4	9999	Si
50	0.024	0.024	0.018	0.018	0.024	0.024	0.018	0.018	0.019	0.01	0.041	2	0.021	2	9999	Si
77	0.02	0.02	0.015	0.015	0.02	0.02	0.015	0.015	0.016	0.008	0.035	2	0.017	2	9999	Si
100	0.016	0.016	0.012	0.012	0.016	0.016	0.012	0.012	0.014	0.007	0.028	2	0.014	2	9999	Si

Campata 4 tra i fili   - 22, sezione R 40x70, asta 7
Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	9.42	7.8	6.28	7.8	151808	SLU 5	151808	1561045	0.1	137113	SLU 4	−836242	−2237378	0.107	Si
29	9.42	7.8	6.28	7.8	−176474	SLU 1	151808	1561045	0.1	−219800	SLU 8	−1358386	−2237378	0.107	Si
63	9.42	7.8	6.28	7.8	−627488	SLU 1	151808	1561045	0.1	−713266	SLU 8	−1374669	−2237378	0.107	Si
92	9.42	7.8	6.28	7.8						−1217968	SLU 8	−1374669	−2237378	0.107	Si
100	9.42	7.8	6.28	7.8						−1374669	SLU 8	−1374669	−2237378	0.107	Si
125	9.42	7.8	6.28	7.8						−1878106	SLU 8	−1613887	−2237378	0.107	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	9.42	7.8	6.28	7.8	253126	SLV 5	292587	1561045	0.1	−55758	SLV 12	−1115757	−2237378	0.107	Si
29	9.42	7.8	6.28	7.8	287906	SLV 5	292587	1561045	0.1	−470950	SLV 12	−1620640	−2237378	0.107	Si
63	9.42	7.8	6.28	7.8	285745	SLV 5	292587	1561045	0.1	−992189	SLV 12	−1635990	−2237378	0.107	Si
92	9.42	7.8	6.28	7.8	245721	SLV 5	292587	1561045	0.1	−1487706	SLV 12	−1635990	−2237378	0.107	Si
100	9.42	7.8	6.28	7.8	227695	SLV 5	292587	1561045	0.1	−1635990	SLV 12	−1635990	−2237378	0.107	Si
125	9.42	7.8	6.28	7.8	155994	SLV 5	155994	1561045	0.1	−2098673	SLV 12	−1860953	−2237378	0.107	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0.06	6.28	0	−11137	SLU 8	−11137	−10440	−81711	−33032	−33032	2.5	Si
29	0.06	9.42	0	−13471	SLU 8	−13471	−11316	−81711	−33032	−33032	2.5	Si
63	0.06	9.42	0	−16137	SLU 8	−16137	−11316	−81711	−33032	−33032	2.5	Si
92	0.06	9.42	0	−18471	SLU 8	−18471	−11316	−81711	−33032	−33032	2.5	Si
100	0.06	9.42	0	−19137	SLU 8	−19137	−11316	−81711	−33032	−33032	2.5	Si
125	0	9.42	0	−21138	SLU 8	−21138	−11316	−81711	0	−11316	2.5	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0.06	6.28	0	1940	SLV 5	1940	10440	81711	33032	33032	2.5	Si
0	0.06	9.42	0	−13742	SLV 12	−13742	−11316	−81711	−33032	−33032	2.5	Si
29	0.06	6.28	0	699	SLV 5	699	10440	81711	33032	33032	2.5	Si
29	0.06	9.42	0	−14983	SLV 12	−14983	−11316	−81711	−33032	−33032	2.5	Si
63	0.06	9.42	0	−16401	SLV 12	−16401	−11316	−81711	−33032	−33032	2.5	Si
92	0.06	9.42	0	−17642	SLV 12	−17642	−11316	−81711	−33032	−33032	2.5	Si
100	0.06	9.42	0	−17997	SLV 12	−17997	−11316	−81711	−33032	−33032	2.5	Si
125	0	9.42	0	−19061	SLV 12	−19061	−11316	−81711	0	−11316	2.5	Si

Verifiche delle tensioni in esercizio

| x	Rara							Quasi permanente						Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	97277	1	97277	5.1	224.1	271.4	3600	123824	2	123824	6.5	168.1	0	+∞	Si
29	−147349	1	−923017	42.6	224.1	1738.4	3600	−95807	3	−695506	32.1	168.1	0	+∞	Si
63	−483588	1	−934107	43.1	224.1	1759.3	3600	−353222	4	−704147	32.5	168.1	0	+∞	Si
92	−827381	1	−934107	43.1	224.1	1759.3	3600	−620993	4	−704147	32.5	168.1	0	+∞	Si
100	−934107	1	−934107	43.1	224.1	1759.3	3600	−704147	4	−704147	32.5	168.1	0	+∞	Si
125	−1276954	1	−1097030	50.6	224.1	2066.1	3600	−971339	4	−831095	38.4	168.1	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						l/f	Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.		
0	0.016	0.016	0.012	0.012	0.016	0.016	0.012	0.012	0.014	0.007	0.028	2	0.014	2	9999	Si
29	0.011	0.011	0.008	0.008	0.011	0.011	0.008	0.008	0.01	0.005	0.019	2	0.009	2	9999	Si
63	0.006	0.006	0.004	0.004	0.006	0.006	0.004	0.004	0.005	0.002	0.01	2	0.004	2	9999	Si
92	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.001	0.003	2	0.001	2	9999	Si
100	0.001	0.001	0	0	0.001	0.001	0	0	0.001	0	0.002	2	0	2	9999	Si

Trave a "Piano copertura" 16-19

Geometria
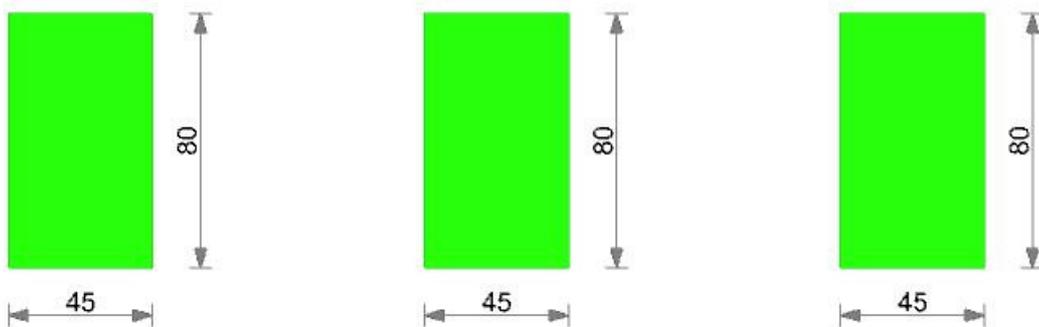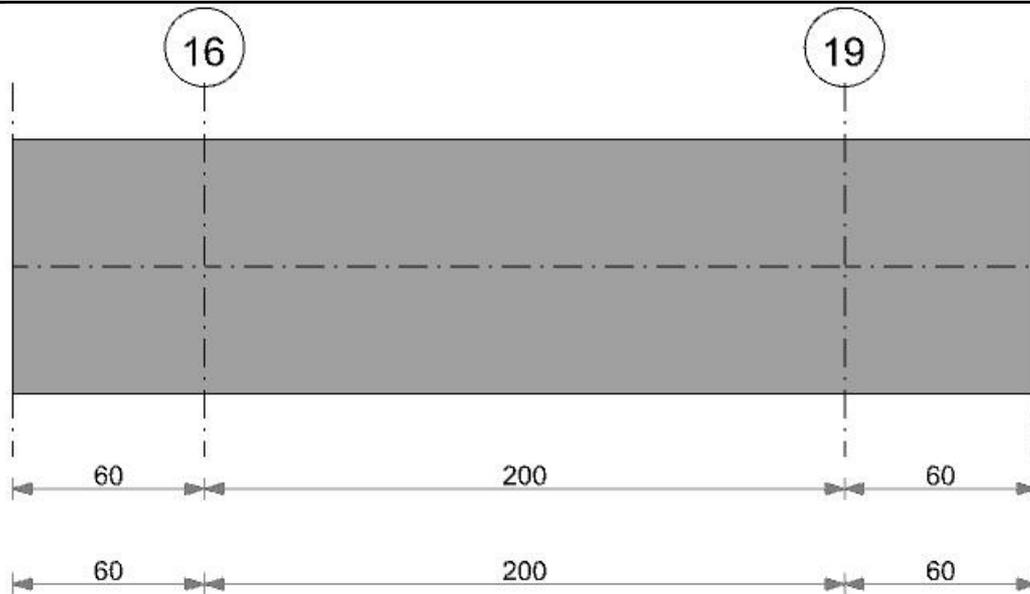
Caratteristiche dei materiali

Acciaio: B450C_1 Fyk 4500
Calcestruzzo: C35/45_1 Rck 450

Elenco delle sezioni

N°	Descrizione	Tipo	Base	Altezza	Copriferro sup.	Copriferro inf.	Copriferro lat.
1	R 45x80	Rettangolare	45	80	6	6	6

Diagramma verifica stato limite ultimo flessione
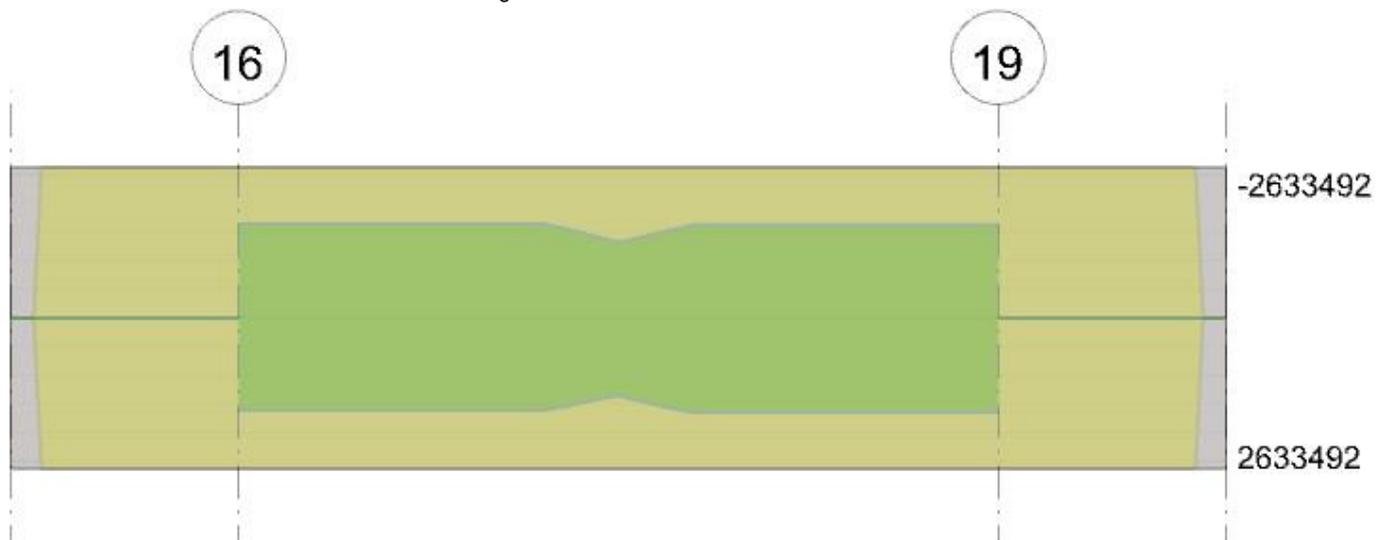
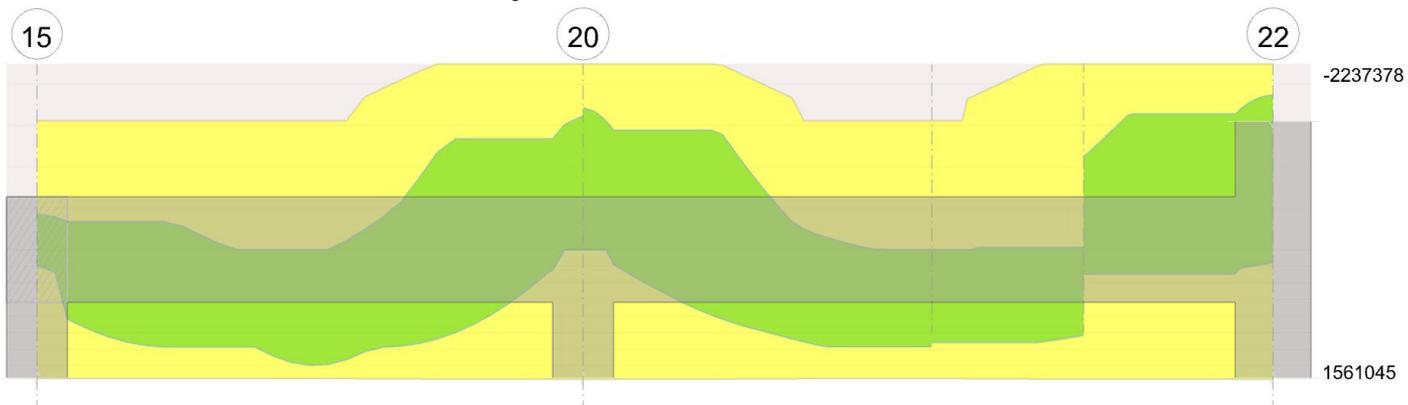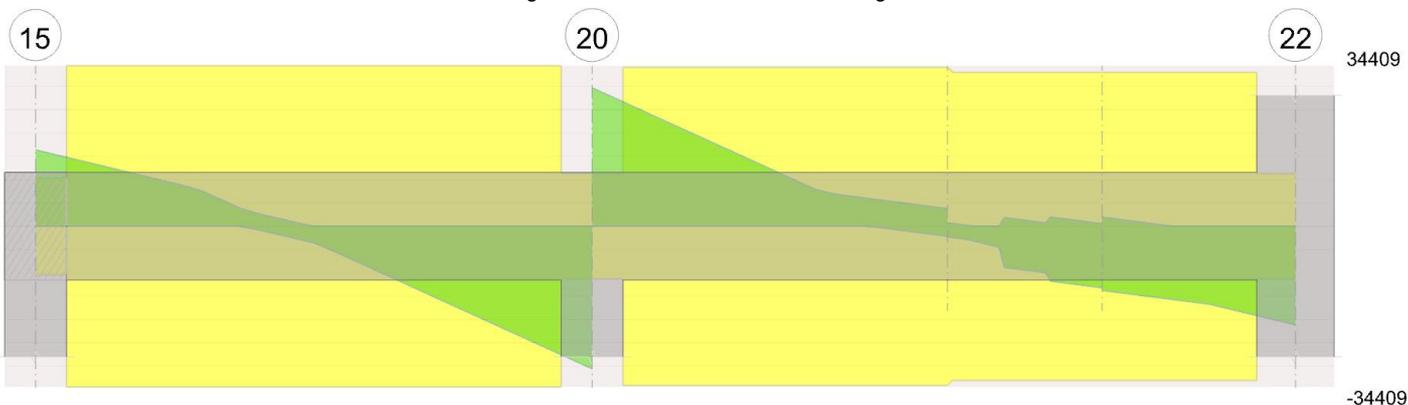Diagramma verifica stato limite ultimo taglio

Diagramma verifica stato limite esercizio quasi permanente freccia

Output campate
Campata 2 tra i fili 16 - 19, sezione R 45x80, asta 14
Verifiche a flessione in famiglia SLU

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	9.42	7.8	9.42	7.8	16275	SLU 4	64622	2633492	0.091	-29226	SLU 5	-29226	-2633492	0.091	Si
53	9.42	7.8	9.42	7.8	54947	SLU 8	71718	2633492	0.091	27194	SLU 1	-29226	-2633492	0.091	Si
100	9.42	7.8	9.42	7.8	66089	SLU 6	71718	2633492	0.091	50958	SLU 3	-3075	-2633492	0.091	Si
147	9.42	7.8	9.42	7.8	70330	SLU 6	71718	2633492	0.091	36542	SLU 3	-3933	-2633492	0.091	Si
200	9.42	7.8	9.42	7.8	43977	SLU 6	71718	2633492	0.091	-3933	SLU 3	-3933	-2633492	0.091	Si

Verifiche a flessione in famiglia SLV

x	A sup.	C.b. sup.	A inf.	C.b. inf.	M+ela	Comb.	M+des	M+ult	x/d	M-ela	Comb.	M-des	M-ult	x/d	Verifica
0	9.42	7.8	9.42	7.8	1619710	SLV 16	1619710	2633492	0.091	-1640172	SLV 1	-1640172	-2633492	0.091	Si
53	9.42	7.8	9.42	7.8	792117	SLV 16	1619710	2633492	0.091	-726984	SLV 1	-1640172	-2633492	0.091	Si
100	9.42	7.8	9.42	7.8	60761	SLV 8	1359470	2633492	0.091	37266	SLV 9	-1315796	-2633492	0.091	Si
120	9.42	7.8	9.42	7.8	378886	SLV 3	1653508	2633492	0.091	-278762	SLV 14	-1616993	-2633492	0.091	Si
147	9.42	7.8	9.42	7.8	810071	SLV 3	1653508	2633492	0.091	-718350	SLV 14	-1616993	-2633492	0.091	Si
200	9.42	7.8	9.42	7.8	1653508	SLV 3	1653508	2633492	0.091	-1616993	SLV 14	-1616993	-2633492	0.091	Si

Verifiche a taglio in famiglia SLU

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0.084	9.42	0	1534	SLU 6	1534	13168	106704	53254	53254	2.5	Si
7	0.07	9.42	0	1456	SLU 6	1456	13168	106704	44733	44733	2.5	Si
53	0.07	9.42	0	910	SLU 6	910	13168	106704	44733	44733	2.5	Si
100	0.07	9.42	0	364	SLU 6	364	13168	106704	44733	44733	2.5	Si
100	0.07	9.42	0	-99	SLU 3	-99	-13168	-106704	-44733	-44733	2.5	Si
147	0.07	9.42	0	-581	SLU 7	-581	-13168	-106704	-44733	-44733	2.5	Si
200	0.084	9.42	0	-1205	SLU 7	-1205	-13168	-106704	-53254	-53254	2.5	Si

Verifiche a taglio in famiglia SLV

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
0	0.084	9.42	0	17364	SLV 1	17364	13168	106704	53254	53254	2.5	Si
0	0.084	9.42	0	-15279	SLV 16	-15279	-13168	-106704	-53254	-53254	2.5	Si
7	0.07	9.42	0	17304	SLV 1	17304	13168	106704	44733	44733	2.5	Si
7	0.07	9.42	0	-15339	SLV 16	-15339	-13168	-106704	-44733	-44733	2.5	Si
53	0.07	9.42	0	16884	SLV 1	16884	13168	106704	44733	44733	2.5	Si
53	0.07	9.42	0	-15759	SLV 16	-15759	-13168	-106704	-44733	-44733	2.5	Si
100	0.07	9.42	0	16464	SLV 1	16464	13168	106704	44733	44733	2.5	Si
100	0.07	9.42	0	-16179	SLV 16	-16179	-13168	-106704	-44733	-44733	2.5	Si
147	0.07	9.42	0	16044	SLV 1	16044	13168	106704	44733	44733	2.5	Si
147	0.07	9.42	0	-16599	SLV 16	-16599	-13168	-106704	-44733	-44733	2.5	Si

Serbatoio Castellaneta - camera di manovra

x	A st	A sl	A sag	Vela	Comb.	Vdes	Vrd	Vrcd	Vrsd	Vult	cotgθ	Verifica
200	0.084	9.42	0	15564	SLV 1	15564	13168	106704	53254	53254	2.5	Si
200	0.084	9.42	0	-17079	SLV 16	-17079	-13168	-106704	-53254	-53254	2.5	Si

Verifiche delle tensioni in esercizio

x	Rara							Quasi permanente						Verifica
	Mela	Comb.	Mdes	σ c	σ c lim.	σ f.	σ f lim.	Mela	Comb.	Mdes	σ c	σ c lim.	σ FRP	σ FRP lim.	
0	-9048	1	-9048	0.3	224.1	14.5	3600	-22927	3	-22927	0.8	168.1	0	+∞	Si
53	33807	1	51419	1.7	224.1	82.4	3600	33198	2	52980	1.7	168.1	0	+∞	Si
100	50305	1	51419	1.7	224.1	82.4	3600	49013	4	52980	1.7	168.1	0	+∞	Si
147	47203	1	51419	1.7	224.1	82.4	3600	51765	3	52980	1.7	168.1	0	+∞	Si
200	19658	1	51384	1.7	224.1	82.4	3600	30926	3	52980	1.7	168.1	0	+∞	Si

Verifica di apertura delle fessure

La campata non presenta apertura delle fessure

Verifica di deformabilità

x	Rara				Frequente				Quasi permanente						l/f	Verifica
	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess.+	Fess.-	Elastica+	Elastica-	Fess. viscosa+	Comb.	Fess. viscosa-	Comb.		
53	0	0	0	0	0	0	0	0	0	0	0.001	4	0.001	4	9999	Si
100	0	0	0	0	0	0	0	0	0	0	0.001	4	0.001	4	9999	Si
107	0	0	0	0	0	0	0	0	0	0	0.001	3	0.001	3	9999	Si
147	0	0	0	0	0	0	0	0	0	0	0.001	3	0.001	3	9999	Si

6.3 Verifiche piastre e pareti C.A.

nod.: nodo del modello FEM
sez.: tipo di sezione (o = orizzontale, v = verticale)
B: base della sezione
H: altezza della sezione
Af+: area di acciaio dal lato B (inferiore per le piastre))
Af-: area di acciaio dal lato A (superiore per le piastre))
c+: copriferro dal lato B (inferiore per le piastre))
c-: copriferro dal lato A (superiore per le piastre))
sc: tensione sul calcestruzzo in esercizio
comb: combinazione di carico
c.s.: coefficiente di sicurezza
N: sforzo normale di calcolo
M: momento flettente di calcolo
Mu: momento flettente ultimo
Nu: sforzo normale ultimo
sf: tensione sull'acciaio in esercizio
Wk: apertura caratteristica delle fessure
Sm: distanza media fra le fessure
st: sigma a trazione nel calcestruzzo in condizioni non fessurate
fck: resistenza caratteristica cilindrica del calcestruzzo
fcd: resistenza a compressione di calcolo del calcestruzzo
fctd: resistenza a trazione di calcolo del calcestruzzo
Hcr: altezza critica
q.Hcr: *quota della sezione alla altezza critica
hw: altezza della parete
lw: lunghezza della parete
n.p.: numero di piani
hs: altezza dell'interpiano
Mxd: momento di progetto attorno all'asse x (fuori piano)
Myd: momento di progetto attorno all'asse y (nel piano)
NEd: sforzo normale di progetto
MEd: Momento flettente di progetto di progetto
VEd: sforzo di taglio di progetto
Ngrav.: sforzo normale dovuto ai carichi gravitazionali
NReale.: sforzo normale derivante dall'analisi
VRcd: resistenza a taglio dovuta alle bielle di calcestruzzo
epsilon: coefficiente di maggiorazione del taglio derivante dall'analisi
αS: MEd/(VEd*lw) formula 7.4.15
At: area tesa di acciaio
roh: rapporto tra area della sezione orizzotale dell'armatura di anima e l'area della sezione di calcestruzzo
rov: rapporto tra area della sezione verticale dell'armatura di anima e l'area della sezione di calcestruzzo
VRsd: resistenza a taglio della sezione con armature
Somma(Asj)- Ai: somma delle aree delle barre verticali che attraversano la superficie di scorrimento
csi: altezza della parte compressa normalizzata all'altezza della sezione
Vdd: contributo dell'effetto spinotto delle armature verticali
Vfd: contributo della resistenza per attrito
Vid: contributo delle armature inclinate presenti alla base
VRd,s: valore di progetto della resistenza a taglio nei confronti dello scorrimento
M01: momento flettente inferiore per verifica instabilità
M02: momento flettente superiore per verifica instabilità
etot: eccentricità complessiva EC2 12.6.5.2 (12.12)
Fi: coefficiente riduttivo EC2 12.6.5.2 (12.11)
l0: lunghezza libera di inflessione
beta: coefficiente EC2 12.6.5.1 (12.9)
Nrd: resistenza di progetto EC2 12.6.5.2 (12.10)
l,lim: snellezza limite EC2 12.6.5.1 (4)
At: area di calcestruzzo del traverso in parete con blocco cassero in legno
Vr,cls: resistenza a taglio in assenza di armatura orizzontale in parete con blocco cassero in legno
Mu: momento resistente ultimo del singolo traverso in parete con blocco cassero in legno

Hp: resistenza a trazione dell'elemento teso in parete con blocco cassero in legno
R: fattore di efficienza in parete con blocco cassero in legno
Vr,s: contributo alla resistenza a taglio della armatura orizzontale in parete con blocco cassero in legno
Vrd: resistenza a taglio per trazione del diagonale in parete con blocco cassero in legno
I: luce netta della trave di collegamento
h: altezza della trave di collegamento
b: spessore della trave di collegamento
d: altezza utile della trave di collegamento
Asi: area complessiva della armatura a X
M,plast: momenti resistenti della trave a filo appoggio
T,plast: sforzi di taglio nella trave derivanti da gerarchia delle resistenze

Parete a chiusura idraulica E

```
Parete fra le coordinate in pianta (725;-375) (725;-145)
da quota -450 a quota -5
Valori in daN, cm
C35/45_1: rck 450
fyk 4500
```

Verifica di stato limite ultimo

nod	sez	B	H	Af+	Af-	c+	c-	c.s.	comb	N	M	Nu	Mu
460	o	70	50	6.0	6.0	6.3	6.3	3.657	7 SLV	11403	28168	41704	103017
	v	100	50	10.1	10.1	7.9	7.9	5.416	5 SLU	-11551	-546051	-62557	-2957242
752	o	70	50	9.2	9.2	7.5	7.5	1.009	3 SLV	41718	-612725	42103	-618385
	v	50	50	4.0	4.0	7.9	7.9	4.141	6 SLV	4051	-77006	16775	-318917
781	o	100	50	10.1	10.1	6.3	6.3	1.415	3 SLV	23986	-672942	33929	-951925
	v	50	50	4.0	4.0	7.9	7.9	6.981	2 SLV	3848	-13841	26864	-96627

Combinazione rara

nod	sez	B	H	Af+	Af-	c+	c-	sc	c	N	M	sf	c	N	M Wk(mm)	Wlim	st	Sm(mm)	c
460	o	70	50	6.0	6.0	6.3	6.3	-1.7	1 ra	-3.82E03	2.02E04	-8.4	1 ra	-3.82E03	2.02E04	0.00999.00	0.3	0.0 1	ra
	v	100	50	10.1	10.1	7.9	7.9	-19.9	1 ra	-8.52E03	-4.06E05	624.4	1 ra	-8.52E03	-4.06E05	0.00999.00	7.8	0.0 1	ra
752	o	70	50	9.2	9.2	7.5	7.5	-17.4	1 ra	6.11E03	-2.99E05	1224.8	1 ra	6.11E03	-2.99E05	0.00999.00	11.5	0.0 1	ra
	v	50	50	4.0	4.0	7.9	7.9	-2.8	1 ra	2.15E01	-2.48E04	160.9	1 ra	2.15E01	-2.48E04	0.00999.00	1.2	0.0 1	ra
781	o	100	50	10.1	10.1	6.3	6.3	-17.3	1 ra	-6.50E03	-3.72E05	607.8	1 ra	-6.50E03	-3.72E05	0.00999.00	7.3	0.0 1	ra
	v	50	50	4.0	4.0	7.9	7.9	-1.0	1 ra	-1.07E03	-1.22E04	-1.9	1 ra	-6.85E02	4.31E03	0.00999.00	0.2	0.0 1	ra

Combinazione frequente

nod	sez	B	H	Af+	Af-	c+	c-	sc	c	N	M	sf	c	N	M Wk(mm)	Wklim	st	Sm(mm)	c
460	o	70	50	6.0	6.0	6.3	6.3	-1.7	1 fr	-3.82E03	2.02E04	-8.4	1 fr	-3.82E03	2.02E04	0.00	0.20	0.3	0.0 1	fr
	v	100	50	10.1	10.1	7.9	7.9	-19.9	1 fr	-8.52E03	-4.06E05	624.4	1 fr	-8.52E03	-4.06E05	0.00	0.20	7.8	0.0 1	fr
752	o	70	50	9.2	9.2	7.5	7.5	-17.4	1 fr	6.11E03	-2.99E05	1224.8	1 fr	6.11E03	-2.99E05	0.00	0.20	11.5	0.0 1	fr
	v	50	50	4.0	4.0	7.9	7.9	-2.8	1 fr	2.15E01	-2.48E04	160.9	1 fr	2.15E01	-2.48E04	0.00	0.20	1.2	0.0 1	fr
781	o	100	50	10.1	10.1	6.3	6.3	-17.3	1 fr	-6.50E03	-3.72E05	607.8	1 fr	-6.50E03	-3.72E05	0.00	0.20	7.3	0.0 1	fr
	v	50	50	4.0	4.0	7.9	7.9	-1.0	1 fr	-1.07E03	-1.22E04	-1.9	1 fr	-6.85E02	4.31E03	0.00	0.20	0.2	0.0 1	fr

Combinazione quasi permanente

nod	sez	B	H	Af+	Af-	c+	c-	sc	c	N	M	sf	c	N	M Wk(mm)	Wklim	st	Sm(mm)	c
460	o	70	50	6.0	6.0	6.3	6.3	-1.6	4 q.	-3.22E03	2.17E04	29.3	1 q.	-3.10E02	-1.31E04	0.00	0.20	0.3	0.0 1	q.
	v	100	50	10.1	10.1	7.9	7.9	-17.8	3 q.	-7.32E03	-3.62E05	569.2	3 q.	-7.32E03	-3.62E05	0.00	0.20	7.0	0.0 1	q.
752	o	70	50	9.2	9.2	7.5	7.5	-15.4	4 q.	6.29E03	-2.68E05	1147.7	4 q.	6.29E03	-2.68E05	0.00	0.20	10.5	0.0 1	q.
	v	50	50	4.0	4.0	7.9	7.9	-2.3	3 q.	1.51E02	-2.09E04	154.1	4 q.	1.75E02	-2.06E04	0.00	0.20	1.0	0.0 1	q.
781	o	100	50	10.1	10.1	6.3	6.3	-16.2	4 q.	-5.51E03	-3.48E05	598.6	3 q.	-5.27E03	-3.45E05	0.00	0.20	7.0	0.0 1	q.
	v	50	50	4.0	4.0	7.9	7.9	-0.8	4 q.	-7.61E02	-1.05E04	5.7	2 q.	-4.56E02	-8.09E03	0.00	0.20	0.2	0.0 1	q.

Verifica dei pannelli

Pannello : Pannello da Filo 11 a Filo 7

Sezione a quota -399
Coordinate dei vertici

X	Y
-375.0	25.0
-375.0	51.0
-335.0	51.0
-335.0	25.0
-185.0	25.0
-185.0	51.0
-145.0	51.0
-145.0	25.0
-145.0	-25.0
-375.0	-25.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-357.3	-18.7	16	-337.3	-18.7	16	-317.3	-18.7	16	-297.3	-18.7	16	-277.3	-18.7	16
-257.3	-18.7	16	-237.3	-18.7	16	-217.3	-18.7	16	-197.3	-18.7	16	-177.3	-18.7	16
-157.3	-18.7	16	-357.3	18.7	16	-337.3	18.7	16	-317.3	18.7	16	-297.3	18.7	16
-277.3	18.7	16	-257.3	18.7	16	-237.3	18.7	16	-217.3	18.7	16	-197.3	18.7	16
-177.3	18.7	16	-157.3	18.7	16									

Sezione a quota -338
Coordinate dei vertici

X	Y
-375.0	25.0
-375.0	83.1
-335.0	83.1
-335.0	25.0
-185.0	25.0
-185.0	83.1
-145.0	83.1

```
-145.0    25.0
-145.0   -25.0
-375.0   -25.0
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-357.3	-18.7	16	-337.3	-18.7	16	-317.3	-18.7	16	-297.3	-18.7	16	-277.3	-18.7	16
-257.3	-18.7	16	-237.3	-18.7	16	-217.3	-18.7	16	-197.3	-18.7	16	-177.3	-18.7	16
-157.3	-18.7	16	-357.3	18.7	16	-337.3	18.7	16	-317.3	18.7	16	-297.3	18.7	16
-277.3	18.7	16	-257.3	18.7	16	-237.3	18.7	16	-217.3	18.7	16	-197.3	18.7	16
-177.3	18.7	16	-157.3	18.7	16									

Sezione a quota -276
Coordinate dei vertici

```
    X        Y
-375.0    25.0
-375.0    67.8
-335.0    67.8
-335.0    25.0
-185.0    25.0
-185.0    67.8
-145.0    67.8
-145.0    25.0
-145.0   -25.0
-375.0   -25.0
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-357.3	-18.7	16	-337.3	-18.7	16	-317.3	-18.7	16	-297.3	-18.7	16	-277.3	-18.7	16
-257.3	-18.7	16	-237.3	-18.7	16	-217.3	-18.7	16	-197.3	-18.7	16	-177.3	-18.7	16
-157.3	-18.7	16	-357.3	18.7	16	-337.3	18.7	16	-317.3	18.7	16	-297.3	18.7	16
-277.3	18.7	16	-257.3	18.7	16	-237.3	18.7	16	-217.3	18.7	16	-197.3	18.7	16
-177.3	18.7	16	-157.3	18.7	16									

Sezione a quota -274
Coordinate dei vertici

```
    X        Y
-375.0    25.0
-375.0    67.3
-335.0    67.3
-335.0    25.0
-185.0    25.0
-185.0    67.3
-145.0    67.3
-145.0    25.0
-145.0   -25.0
-375.0   -25.0
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-357.3	-18.7	16	-337.3	-18.7	16	-317.3	-18.7	16	-297.3	-18.7	16	-277.3	-18.7	16
-257.3	-18.7	16	-237.3	-18.7	16	-217.3	-18.7	16	-197.3	-18.7	16	-177.3	-18.7	16
-157.3	-18.7	16	-357.3	18.7	16	-337.3	18.7	16	-317.3	18.7	16	-297.3	18.7	16
-277.3	18.7	16	-257.3	18.7	16	-237.3	18.7	16	-217.3	18.7	16	-197.3	18.7	16
-177.3	18.7	16	-157.3	18.7	16									

Sezione a quota -140
Coordinate dei vertici

```
    X        Y
-375.0   -25.0
-375.0    25.0
-145.0    25.0
-145.0   -25.0
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-357.3	-18.7	16	-337.3	-18.7	16	-317.3	-18.7	16	-297.3	-18.7	16	-277.3	-18.7	16
-257.3	-18.7	16	-237.3	-18.7	16	-217.3	-18.7	16	-197.3	-18.7	16	-177.3	-18.7	16
-157.3	-18.7	16	-357.3	18.7	16	-337.3	18.7	16	-317.3	18.7	16	-297.3	18.7	16
-277.3	18.7	16	-257.3	18.7	16	-237.3	18.7	16	-217.3	18.7	16	-197.3	18.7	16
-177.3	18.7	16	-157.3	18.7	16	-169.7	-15.3	20	-169.7	15.3	20	-337.7	-15.3	20
-337.7	15.3	20												

Sezione a quota -6
Coordinate dei vertici

```
    X        Y
-375.0   -25.0
-375.0    25.0
-145.0    25.0
-145.0   -25.0
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-357.3	-18.7	16	-337.3	-18.7	16	-317.3	-18.7	16	-297.3	-18.7	16	-277.3	-18.7	16
-257.3	-18.7	16	-237.3	-18.7	16	-217.3	-18.7	16	-197.3	-18.7	16	-177.3	-18.7	16
-157.3	-18.7	16	-357.3	18.7	16	-337.3	18.7	16	-317.3	18.7	16	-297.3	18.7	16
-277.3	18.7	16	-257.3	18.7	16	-237.3	18.7	16	-217.3	18.7	16	-197.3	18.7	16
-177.3	18.7	16	-157.3	18.7	16	-169.7	-15.3	20	-169.7	15.3	20	-337.7	-15.3	20
-337.7	15.3	20												

Verifica eseguita come parete di fondazione comportamento non dissipativo
Le verifiche SLV sono state condotte con sollecitazioni derivate dalla famiglia di combinazioni 'SLV fondazioni'

```
fcd fctd   Hcr q.Hcr   hw   Lw   n.p.   hs
212  16    445   -5    445  230    2    198
```

Verifica a pressoflessione

quota	Mxd	Myd	Ned	Ngrav.	NReale	c.s.	comb
-399	533787	-79817	-21905	-21905	-21905	56.2915	7 SLU
-399	603635	-126043	-29347	-15308	-29347	51.1333	14 SLVFond
-338	-72338	-233065	-19872	-19872	-19872	99.1020	7 SLU
-338	-141140	-350968	374	-13744	374	23.3887	3 SLVFond
-276	-114736	-386632	-20635	-20635	-20635	81.8491	7 SLU
-276	-114365	-632529	3894	-14014	3894	16.1919	3 SLVFond
-274	-117673	-395418	-20635	-20635	-20635	80.9665	7 SLU
-274	-114091	-649218	3894	-14014	3894	15.9771	3 SLVFond
-140	-109210	-1373366	-27852	-27852	-27852	48.3799	5 SLU
-140	-27857	-1840953	14470	-18842	14470	6.5948	3 SLVFond
-6	778007	-2843191	-31443	-31443	-31443	11.1671	6 SLU
-6	1134534	-3662935	31744	-21336	31744	2.4816	3 SLVFond

Verifica compressione del diagonale

quota	epsilon	VEd	Vrcd	comb
-399	1.00	2705	491117	5 SLU
-399	1.00	10849	487836	2 SLVFond
-338	1.00	2705	490711	5 SLU
-338	1.00	10829	487533	2 SLVFond
-276	1.00	4630	490857	5 SLU
-276	1.00	13416	490482	6 SLVFond
-274	1.00	4630	490857	5 SLU
-274	1.00	13416	490482	6 SLVFond
-140	1.00	10169	492365	5 SLU
-140	1.00	18248	492357	6 SLVFond
-6	1.00	12498	493207	5 SLU
-6	1.00	20498	493752	6 SLVFond

Verifica trazione del diagonale

quota	alfaS	At	roh	rov	MEd	NEd	VEd	VRsd	comb
-399	0.00	44.2	0.0040	0.0038	-74203	-21612	2705	144779	5 SLU
-399	0.00	44.2	0.0040	0.0038	238313	-18038	10868	144779	6 SLVFond
-338	0.00	44.2	0.0040	0.0038	-240574	-19579	2705	144779	5 SLU
-338	0.00	44.2	0.0040	0.0038	-442227	-3691	10829	144779	2 SLVFond
-276	0.00	44.2	0.0040	0.0038	-399891	-20309	4630	144779	5 SLU
-276	0.00	44.2	0.0040	0.0038	-584797	-18436	13416	144779	6 SLVFond
-274	0.00	44.2	0.0040	0.0038	-409151	-20309	4630	144779	5 SLU
-274	0.00	44.2	0.0040	0.0038	-611628	-18436	13416	144779	6 SLVFond
-140	0.00	51.8	0.0040	0.0045	-1373366	-27852	10169	144779	5 SLU
-140	0.00	51.8	0.0040	0.0045	-1324164	-27808	18248	144779	6 SLVFond
-6	0.00	56.8	0.0032	0.0049	-2858621	-32062	12498	115823	5 SLU
-6	0.00	56.8	0.0032	0.0049	-2192528	-34783	20498	115823	6 SLVFond

Parete chiusura idraulica lato ingresso
Parete fra le coordinate in pianta (-200;-355) (750;-355)
da quota -450 a quota 100
Valori in daN, cm
C35/45_1: rck 450
fyk 4500

Verifica di stato limite ultimo

nod	sez	B	H	Af+	Af-	c+	c-	c.s.	comb	N	M	Nu	Mu
7	o	100	40	10.1	10.1	6.3	6.3	1.956	6 SLU	-20345	-1004413	-39806	-1965131
	v	100	40	10.1	10.1	7.9	7.9	7.481	7 SLV	3414	-124002	25541	-927707
731	o	100	40	10.1	10.1	6.3	6.3	1.416	5 SLU	10010	-770469	14171	-1090760
	v	100	40	10.1	10.1	7.9	7.9	26.859	7 SLV	-2890	-92621	-77622	-2487676
740	o	100	40	10.1	10.1	6.3	6.3	1.449	7 SLU	3741	-853735	5420	-1236731
	v	100	40	10.1	10.1	7.9	7.9	9.553	3 SLV	3656	-80940	34927	-773242

Combinazione rara

nod	sez	B	H	Af+	Af-	c+	c-	sc	c	N	M	sf	c	N	M	Wk(mm)	Wlim	st	Sm(mm)	c
7	o	100	40	10.1	10.1	6.3	6.3	-52.6	1 ra	-1.52E04	-7.42E05	1661.2	1 ra	-1.52E04	-7.42E05	0.00	999.00	23.0	0.0	1 ra
	v	100	40	10.1	10.1	7.9	7.9	-5.9	1 ra	-1.16E04	-9.17E04	-30.5	1 ra	-1.34E04	-5.22E04	0.00	999.00	0.5	0.0	1 ra
731	o	100	40	10.1	10.1	6.3	6.3	-39.8	1 ra	7.59E03	-5.66E05	2231.2	1 ra	7.59E03	-5.66E05	0.00	999.00	22.2	0.0	1 ra
	v	100	40	10.1	10.1	7.9	7.9	-5.7	1 ra	-1.23E04	-8.26E04	-18.3	1 ra	-1.25E04	-8.02E04	0.00	999.00	0.0	0.0	1 ra
740	o	100	40	10.1	10.1	6.3	6.3	-44.9	1 ra	2.91E03	-6.29E05	2192.9	1 ra	2.91E03	-6.29E05	0.00	999.00	23.3	0.0	1 ra
	v	100	40	10.1	10.1	7.9	7.9	-4.2	1 ra	-3.76E03	-6.40E04	47.4	1 ra	-3.76E03	-6.40E04	0.00	999.00	1.4	0.0	1 ra

Combinazione frequente

nod	sez	B	H	Af+	Af-	c+	c-	sc	c	N	M	sf	c	N	M	Wk(mm)	Wklim	st	Sm(mm)	c
7	o	100	40	10.1	10.1	6.3	6.3	-52.6	1 fr	-1.52E04	-7.42E05	1661.2	1 fr	-1.52E04	-7.42E05	0.00	0.20	23.0	0.0	1 fr
	v	100	40	10.1	10.1	7.9	7.9	-5.9	1 fr	-1.16E04	-9.17E04	-30.5	1 fr	-1.34E04	-5.22E04	0.00	0.20	0.5	0.0	1 fr
731	o	100	40	10.1	10.1	6.3	6.3	-39.8	1 fr	7.59E03	-5.66E05	2231.2	1 fr	7.59E03	-5.66E05	0.00	0.20	22.2	0.0	1 fr
	v	100	40	10.1	10.1	7.9	7.9	-5.7	1 fr	-1.23E04	-8.26E04	-18.3	1 fr	-1.25E04	-8.02E04	0.00	0.20	0.0	0.0	1 fr
740	o	100	40	10.1	10.1	6.3	6.3	-44.9	1 fr	2.91E03	-6.29E05	2192.9	1 fr	2.91E03	-6.29E05	0.00	0.20	23.3	0.0	1 fr
	v	100	40	10.1	10.1	7.9	7.9	-4.2	1 fr	-3.76E03	-6.40E04	47.4	1 fr	-3.76E03	-6.40E04	0.00	0.20	1.4	0.0	1 fr

Combinazione quasi permanente

nod	sez	B	H	Af+	Af-	c+	c-	sc	c	N	M	sf	c	N	M	Wk(mm)	Wklim	st	Sm(mm)	c
7	o	100	40	10.1	10.1	6.3	6.3	-45.9	4 q.	-1.39E04	-6.49E05	1421.5	4 q.	-1.39E04	-6.49E05	0.00	0.20	20.0	0.0	1 q.
	v	100	40	10.1	10.1	7.9	7.9	-5.3	4 q.	-1.10E04	-7.87E04	-33.3	1 q.	-1.31E04	-3.99E04	0.00	0.20	0.2	0.0	1 q.
731	o	100	40	10.1	10.1	6.3	6.3	-33.5	3 q.	8.07E03	-4.80E05	1977.1	3 q.	8.07E03	-4.80E05	0.00	0.20	19.2	0.0	1 q.
	v	100	40	10.1	10.1	7.9	7.9	-5.1	4 q.	-1.11E04	-7.13E04	-17.6	4 q.	-1.11E04	-6.75E04	0.00	0.20	0.0	0.0	1 q.
740	o	100	40	10.1	10.1	6.3	6.3	-38.3	3 q.	3.86E03	-5.38E05	1946.3	3 q.	3.86E03	-5.38E05	0.00	0.20	20.3	0.0	1 q.
	v	100	40	10.1	10.1	7.9	7.9	-3.8	4 q.	-3.34E03	-5.71E04	43.0	4 q.	-3.34E03	-5.71E04	0.00	0.20	1.3	0.0	1 q.

Verifica dei pannelli

```
Pannello : Pannello da Filo 84 a Filo 11

Sezione a quota -399
Coordinate dei vertici
     X       Y
 -200.0    20.0
 -200.0    51.0
 -160.0    51.0
 -160.0    20.0
  700.0    20.0
  700.0    51.0
  750.0    51.0
  750.0    20.0
  750.0   -20.0
 -200.0   -20.0

Armature verticali
     X       Y   ø       X       Y   ø       X       Y   ø       X       Y   ø       X       Y   ø
 -187.8   -13.7  16  -167.8   -13.7  16  -147.8   -13.7  16  -127.8   -13.7  16  -107.8   -13.7  16
  -87.8   -13.7  16   -67.8   -13.7  16   -47.8   -13.7  16   -27.8   -13.7  16    -7.8   -13.7  16
   12.3   -13.7  16    32.3   -13.7  16    52.3   -13.7  16    72.3   -13.7  16    92.3   -13.7  16
  112.3   -13.7  16   132.3   -13.7  16   152.3   -13.7  16   172.3   -13.7  16   192.3   -13.7  16
  212.3   -13.7  16   232.3   -13.7  16   252.3   -13.7  16   272.3   -13.7  16   292.3   -13.7  16
  312.3   -13.7  16   332.3   -13.7  16   352.3   -13.7  16   372.3   -13.7  16   392.3   -13.7  16
  412.3   -13.7  16   432.3   -13.7  16   452.3   -13.7  16   472.3   -13.7  16   492.3   -13.7  16
  512.3   -13.7  16   532.3   -13.7  16   552.3   -13.7  16   572.3   -13.7  16   592.3   -13.7  16
  612.3   -13.7  16   632.3   -13.7  16   652.3   -13.7  16   672.3   -13.7  16   692.3   -13.7  16
  712.3   -13.7  16   732.3   -13.7  16  -187.8    13.7  16  -167.8    13.7  16  -147.8    13.7  16
 -127.8    13.7  16  -107.8    13.7  16   -87.8    13.7  16   -67.8    13.7  16   -47.8    13.7  16
  -27.8    13.7  16    -7.8    13.7  16    12.3    13.7  16    32.3    13.7  16    52.3    13.7  16
   72.3    13.7  16    92.3    13.7  16   112.3    13.7  16   132.3    13.7  16   152.3    13.7  16
  172.3    13.7  16   192.3    13.7  16   212.3    13.7  16   232.3    13.7  16   252.3    13.7  16
  272.3    13.7  16   292.3    13.7  16   312.3    13.7  16   332.3    13.7  16   352.3    13.7  16
  372.3    13.7  16   392.3    13.7  16   412.3    13.7  16   432.3    13.7  16   452.3    13.7  16
  472.3    13.7  16   492.3    13.7  16   512.3    13.7  16   532.3    13.7  16   552.3    13.7  16
  572.3    13.7  16   592.3    13.7  16   612.3    13.7  16   632.3    13.7  16   652.3    13.7  16
  672.3    13.7  16   692.3    13.7  16   712.3    13.7  16   732.3    13.7  16

Sezione a quota -338
Coordinate dei vertici
     X       Y
 -200.0    20.0
 -200.0    83.1
 -160.0    83.1
 -160.0    20.0
  700.0    20.0
  700.0    83.1
  750.0    83.1
  750.0    20.0
  750.0   -20.0
 -200.0   -20.0

Armature verticali
     X       Y   ø       X       Y   ø       X       Y   ø       X       Y   ø       X       Y   ø
 -187.8   -13.7  16  -167.8   -13.7  16  -147.8   -13.7  16  -127.8   -13.7  16  -107.8   -13.7  16
  -87.8   -13.7  16   -67.8   -13.7  16   -47.8   -13.7  16   -27.8   -13.7  16    -7.8   -13.7  16
   12.3   -13.7  16    32.3   -13.7  16    52.3   -13.7  16    72.3   -13.7  16    92.3   -13.7  16
  112.3   -13.7  16   132.3   -13.7  16   152.3   -13.7  16   172.3   -13.7  16   192.3   -13.7  16
  212.3   -13.7  16   232.3   -13.7  16   252.3   -13.7  16   272.3   -13.7  16   292.3   -13.7  16
  312.3   -13.7  16   332.3   -13.7  16   352.3   -13.7  16   372.3   -13.7  16   392.3   -13.7  16
  412.3   -13.7  16   432.3   -13.7  16   452.3   -13.7  16   472.3   -13.7  16   492.3   -13.7  16
  512.3   -13.7  16   532.3   -13.7  16   552.3   -13.7  16   572.3   -13.7  16   592.3   -13.7  16
  612.3   -13.7  16   632.3   -13.7  16   652.3   -13.7  16   672.3   -13.7  16   692.3   -13.7  16
  712.3   -13.7  16   732.3   -13.7  16  -187.8    13.7  16  -167.8    13.7  16  -147.8    13.7  16
 -127.8    13.7  16  -107.8    13.7  16   -87.8    13.7  16   -67.8    13.7  16   -47.8    13.7  16
  -27.8    13.7  16    -7.8    13.7  16    12.3    13.7  16    32.3    13.7  16    52.3    13.7  16
   72.3    13.7  16    92.3    13.7  16   112.3    13.7  16   132.3    13.7  16   152.3    13.7  16
  172.3    13.7  16   192.3    13.7  16   212.3    13.7  16   232.3    13.7  16   252.3    13.7  16
  272.3    13.7  16   292.3    13.7  16   312.3    13.7  16   332.3    13.7  16   352.3    13.7  16
  372.3    13.7  16   392.3    13.7  16   412.3    13.7  16   432.3    13.7  16   452.3    13.7  16
  472.3    13.7  16   492.3    13.7  16   512.3    13.7  16   532.3    13.7  16   552.3    13.7  16
  572.3    13.7  16   592.3    13.7  16   612.3    13.7  16   632.3    13.7  16   652.3    13.7  16
  672.3    13.7  16   692.3    13.7  16   712.3    13.7  16   732.3    13.7  16

Sezione a quota -276
Coordinate dei vertici
     X       Y
 -200.0    20.0
 -200.0    67.8
 -160.0    67.8
 -160.0    20.0
  700.0    20.0
  700.0    67.8
  750.0    67.8
  750.0    20.0
  750.0   -20.0
 -200.0   -20.0

Armature verticali
     X       Y   ø       X       Y   ø       X       Y   ø       X       Y   ø       X       Y   ø
 -187.8   -13.7  16  -167.8   -13.7  16  -147.8   -13.7  16  -127.8   -13.7  16  -107.8   -13.7  16
  -87.8   -13.7  16   -67.8   -13.7  16   -47.8   -13.7  16   -27.8   -13.7  16    -7.8   -13.7  16
   12.3   -13.7  16    32.3   -13.7  16    52.3   -13.7  16    72.3   -13.7  16    92.3   -13.7  16
```

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
112.3	-13.7	16	132.3	-13.7	16	152.3	-13.7	16	172.3	-13.7	16	192.3	-13.7	16
212.3	-13.7	16	232.3	-13.7	16	252.3	-13.7	16	272.3	-13.7	16	292.3	-13.7	16
312.3	-13.7	16	332.3	-13.7	16	352.3	-13.7	16	372.3	-13.7	16	392.3	-13.7	16
412.3	-13.7	16	432.3	-13.7	16	452.3	-13.7	16	472.3	-13.7	16	492.3	-13.7	16
512.3	-13.7	16	532.3	-13.7	16	552.3	-13.7	16	572.3	-13.7	16	592.3	-13.7	16
612.3	-13.7	16	632.3	-13.7	16	652.3	-13.7	16	672.3	-13.7	16	692.3	-13.7	16
712.3	-13.7	16	732.3	-13.7	16	-187.8	13.7	16	-167.8	13.7	16	-147.8	13.7	16
-127.8	13.7	16	-107.8	13.7	16	-87.8	13.7	16	-67.8	13.7	16	-47.8	13.7	16
-27.8	13.7	16	-7.8	13.7	16	12.3	13.7	16	32.3	13.7	16	52.3	13.7	16
72.3	13.7	16	92.3	13.7	16	112.3	13.7	16	132.3	13.7	16	152.3	13.7	16
172.3	13.7	16	192.3	13.7	16	212.3	13.7	16	232.3	13.7	16	252.3	13.7	16
272.3	13.7	16	292.3	13.7	16	312.3	13.7	16	332.3	13.7	16	352.3	13.7	16
372.3	13.7	16	392.3	13.7	16	412.3	13.7	16	432.3	13.7	16	452.3	13.7	16
472.3	13.7	16	492.3	13.7	16	512.3	13.7	16	532.3	13.7	16	552.3	13.7	16
572.3	13.7	16	592.3	13.7	16	612.3	13.7	16	632.3	13.7	16	652.3	13.7	16
672.3	13.7	16	692.3	13.7	16	712.3	13.7	16	732.3	13.7	16			

Sezione a quota -274
Coordinate dei vertici

X	Y
-200.0	20.0
-200.0	67.3
-160.0	67.3
-160.0	20.0
700.0	20.0
700.0	67.3
750.0	67.3
750.0	20.0
750.0	-20.0
-200.0	-20.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-187.8	-13.7	16	-167.8	-13.7	16	-147.8	-13.7	16	-127.8	-13.7	16	-107.8	-13.7	16
-87.8	-13.7	16	-67.8	-13.7	16	-47.8	-13.7	16	-27.8	-13.7	16	-7.8	-13.7	16
12.3	-13.7	16	32.3	-13.7	16	52.3	-13.7	16	72.3	-13.7	16	92.3	-13.7	16
112.3	-13.7	16	132.3	-13.7	16	152.3	-13.7	16	172.3	-13.7	16	192.3	-13.7	16
212.3	-13.7	16	232.3	-13.7	16	252.3	-13.7	16	272.3	-13.7	16	292.3	-13.7	16
312.3	-13.7	16	332.3	-13.7	16	352.3	-13.7	16	372.3	-13.7	16	392.3	-13.7	16
412.3	-13.7	16	432.3	-13.7	16	452.3	-13.7	16	472.3	-13.7	16	492.3	-13.7	16
512.3	-13.7	16	532.3	-13.7	16	552.3	-13.7	16	572.3	-13.7	16	592.3	-13.7	16
612.3	-13.7	16	632.3	-13.7	16	652.3	-13.7	16	672.3	-13.7	16	692.3	-13.7	16
712.3	-13.7	16	732.3	-13.7	16	-187.8	13.7	16	-167.8	13.7	16	-147.8	13.7	16
-127.8	13.7	16	-107.8	13.7	16	-87.8	13.7	16	-67.8	13.7	16	-47.8	13.7	16
-27.8	13.7	16	-7.8	13.7	16	12.3	13.7	16	32.3	13.7	16	52.3	13.7	16
72.3	13.7	16	92.3	13.7	16	112.3	13.7	16	132.3	13.7	16	152.3	13.7	16
172.3	13.7	16	192.3	13.7	16	212.3	13.7	16	232.3	13.7	16	252.3	13.7	16
272.3	13.7	16	292.3	13.7	16	312.3	13.7	16	332.3	13.7	16	352.3	13.7	16
372.3	13.7	16	392.3	13.7	16	412.3	13.7	16	432.3	13.7	16	452.3	13.7	16
472.3	13.7	16	492.3	13.7	16	512.3	13.7	16	532.3	13.7	16	552.3	13.7	16
572.3	13.7	16	592.3	13.7	16	612.3	13.7	16	632.3	13.7	16	652.3	13.7	16
672.3	13.7	16	692.3	13.7	16	712.3	13.7	16	732.3	13.7	16			

Sezione a quota -140
Coordinate dei vertici

X	Y
-200.0	-20.0
-200.0	20.0
750.0	20.0
750.0	-20.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-187.8	-13.7	16	-167.8	-13.7	16	-147.8	-13.7	16	-127.8	-13.7	16	-107.8	-13.7	16
-87.8	-13.7	16	-67.8	-13.7	16	-47.8	-13.7	16	-27.8	-13.7	16	-7.8	-13.7	16
12.3	-13.7	16	32.3	-13.7	16	52.3	-13.7	16	72.3	-13.7	16	92.3	-13.7	16
112.3	-13.7	16	132.3	-13.7	16	152.3	-13.7	16	172.3	-13.7	16	192.3	-13.7	16
212.3	-13.7	16	232.3	-13.7	16	252.3	-13.7	16	272.3	-13.7	16	292.3	-13.7	16
312.3	-13.7	16	332.3	-13.7	16	352.3	-13.7	16	372.3	-13.7	16	392.3	-13.7	16
412.3	-13.7	16	432.3	-13.7	16	452.3	-13.7	16	472.3	-13.7	16	492.3	-13.7	16
512.3	-13.7	16	532.3	-13.7	16	552.3	-13.7	16	572.3	-13.7	16	592.3	-13.7	16
612.3	-13.7	16	632.3	-13.7	16	652.3	-13.7	16	672.3	-13.7	16	692.3	-13.7	16
712.3	-13.7	16	732.3	-13.7	16	-187.8	13.7	16	-167.8	13.7	16	-147.8	13.7	16
-127.8	13.7	16	-107.8	13.7	16	-87.8	13.7	16	-67.8	13.7	16	-47.8	13.7	16
-27.8	13.7	16	-7.8	13.7	16	12.3	13.7	16	32.3	13.7	16	52.3	13.7	16
72.3	13.7	16	92.3	13.7	16	112.3	13.7	16	132.3	13.7	16	152.3	13.7	16
172.3	13.7	16	192.3	13.7	16	212.3	13.7	16	232.3	13.7	16	252.3	13.7	16
272.3	13.7	16	292.3	13.7	16	312.3	13.7	16	332.3	13.7	16	352.3	13.7	16
372.3	13.7	16	392.3	13.7	16	412.3	13.7	16	432.3	13.7	16	452.3	13.7	16
472.3	13.7	16	492.3	13.7	16	512.3	13.7	16	532.3	13.7	16	552.3	13.7	16
572.3	13.7	16	592.3	13.7	16	612.3	13.7	16	632.3	13.7	16	652.3	13.7	16
672.3	13.7	16	692.3	13.7	16	712.3	13.7	16	732.3	13.7	16	703.6	-10.3	20
703.6	10.3	20												

Sezione a quota -6
Coordinate dei vertici

X	Y
-200.0	-20.0
-200.0	20.0
750.0	20.0
750.0	-20.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø

```
-187.8  -13.7  16  -167.8  -13.7  16  -147.8  -13.7  16  -127.8  -13.7  16  -107.8  -13.7  16
 -87.8  -13.7  16   -67.8  -13.7  16   -47.8  -13.7  16   -27.8  -13.7  16    -7.8  -13.7  16
  12.3  -13.7  16    32.3  -13.7  16    52.3  -13.7  16    72.3  -13.7  16    92.3  -13.7  16
 112.3  -13.7  16   132.3  -13.7  16   152.3  -13.7  16   172.3  -13.7  16   192.3  -13.7  16
 212.3  -13.7  16   232.3  -13.7  16   252.3  -13.7  16   272.3  -13.7  16   292.3  -13.7  16
 312.3  -13.7  16   332.3  -13.7  16   352.3  -13.7  16   372.3  -13.7  16   392.3  -13.7  16
 412.3  -13.7  16   432.3  -13.7  16   452.3  -13.7  16   472.3  -13.7  16   492.3  -13.7  16
 512.3  -13.7  16   532.3  -13.7  16   552.3  -13.7  16   572.3  -13.7  16   592.3  -13.7  16
 612.3  -13.7  16   632.3  -13.7  16   652.3  -13.7  16   672.3  -13.7  16   692.3  -13.7  16
 712.3  -13.7  16   732.3  -13.7  16  -187.8   13.7  16  -167.8   13.7  16  -147.8   13.7  16
-127.8   13.7  16  -107.8   13.7  16   -87.8   13.7  16   -67.8   13.7  16   -47.8   13.7  16
 -27.8   13.7  16    -7.8   13.7  16    12.3   13.7  16    32.3   13.7  16    52.3   13.7  16
  72.3   13.7  16    92.3   13.7  16   112.3   13.7  16   132.3   13.7  16   152.3   13.7  16
 172.3   13.7  16   192.3   13.7  16   212.3   13.7  16   232.3   13.7  16   252.3   13.7  16
 272.3   13.7  16   292.3   13.7  16   312.3   13.7  16   332.3   13.7  16   352.3   13.7  16
 372.3   13.7  16   392.3   13.7  16   412.3   13.7  16   432.3   13.7  16   452.3   13.7  16
 472.3   13.7  16   492.3   13.7  16   512.3   13.7  16   532.3   13.7  16   552.3   13.7  16
 572.3   13.7  16   592.3   13.7  16   612.3   13.7  16   632.3   13.7  16   652.3   13.7  16
 672.3   13.7  16   692.3   13.7  16   712.3   13.7  16   732.3   13.7  16   703.6  -10.3  20
 703.6   10.3  20
```

Verifica eseguita come parete di fondazione comportamento non dissipativo
Le verifiche SLV sono state condotte con sollecitazioni derivate dalla famiglia di combinazioni 'SLV fondazioni'

```
 fcd fctd  Hcr q.Hcr   hw   Lw  n.p.   hs
 212   16  445   -5   445  950    2   198
```

Verifica a pressoflessione
```
quota       Mxd         Myd         Ned     Ngrav.      NReale    c.s. comb
 -399    6535894     2053840     -156876    -156876     -156876   5.0469  6 SLU
 -399    4280465     4894186      -77564    -107772      -77564   6.6402  7 SLVFond
 -338     794580     4702671     -144378    -144378     -144378  56.3496  7 SLU
 -338     793224    -5063631     -133591     -97901     -133591  60.8998 13 SLVFond
 -276   -2181451     8245347     -118163    -118163     -118163  13.1944  6 SLU
 -276   -1553716    15146880      -48382     -80034      -48382   9.9211  4 SLVFond
 -274   -2226657     8344162     -118163    -118163     -118163  12.8203  6 SLU
 -274   -1577464    15221460      -48382     -80034      -48382   9.7375  4 SLVFond
 -140   -1976512    17729350      -63210     -63210      -63210   8.5556  6 SLU
 -140   -1148967    23155430      -24591     -40414      -24591   9.3705  3 SLVFond
   -6    5112861    28337750      -24504     -24504      -24504   2.4130  5 SLU
   -6    3699101    27750240      -11679     -13000      -11679   3.1182  8 SLVFond
```

Verifica compressione del diagonale
```
quota  epsilon      VEd       Vrcd comb
 -399    1.00    -47123    1640083  8 SLU
 -399    1.00    -82563    1627530 11 SLVFond
 -338    1.00    -47123    1637338  8 SLU
 -338    1.00    -82785    1625528 11 SLVFond
 -276    1.00    -50177    1632333  8 SLU
 -276    1.00    -85303    1622818 11 SLVFond
 -274    1.00    -50177    1632333  8 SLU
 -274    1.00    -85303    1622818 11 SLVFond
 -140    1.00    -59085    1621300  8 SLU
 -140    1.00    -92762    1616004 11 SLVFond
   -6    1.00    -64302    1613618  8 SLU
   -6    1.00    -99444    1611552 11 SLVFond
```

Verifica trazione del diagonale
```
quota  alfaS    At    roh      rov        MEd        NEd       VEd      VRsd comb
 -399   0.00  189.0  0.0050   0.0050   1843746    -157716    -47123   598015  8 SLU
 -399   0.00  189.0  0.0050   0.0050    301232     -94951    -82563   598015 11 SLVFond
 -338   0.00  189.0  0.0050   0.0050   4814257    -143990    -47123   598015  8 SLU
 -338   0.00  189.0  0.0050   0.0050   5565706     -84940    -82785   598015 11 SLVFond
 -276   0.00  189.0  0.0050   0.0050   8083662    -118963    -50177   598015  8 SLU
 -276   0.00  189.0  0.0050   0.0050  10391250     -71390    -85303   598015 11 SLVFond
 -274   0.00  189.0  0.0050   0.0050   8184016    -118963    -50177   598015  8 SLU
 -274   0.00  189.0  0.0050   0.0050  10561850     -71390    -85303   598015 11 SLVFond
 -140   0.00  193.7  0.0050   0.0051  17571640     -63799    -59085   598015  8 SLU
 -140   0.00  193.7  0.0050   0.0051  17560930     -37320    -92762   598015 11 SLVFond
   -6   0.00  195.3  0.0050   0.0051  28383420     -25390    -64302   598015  8 SLU
   -6   0.00  195.3  0.0050   0.0051  25039680     -15059    -99444   598015 11 SLVFond
```

Parete chiusura idraulica lato vasche
Parete fra le coordinate in pianta (750;-165) (-200;-165)
da quota -450 a quota -5
Valori in daN, cm
C35/45_1: rck 450
fyk 4500

Verifica di stato limite ultimo
```
 nod sez   B   H   Af+   Af-   c+   c-    c.s.    comb       N        M        Nu        Mu
 132   o  70  40   6.0   6.0  6.3  6.3   1.541   7 SLV   12264  -313859    18903   -483788
       v 100  40  10.1  10.1  7.9  7.9  11.493  10 SLV   -4152   179716   -47723   2065537
 839   o 100  40  10.1  10.1  6.3  6.3   1.385   8 SLU   13338  -735323    18475  -1018577
       v  50  40   4.0   4.0  7.9  7.9  15.432  11 SLV   -4152   -95655   -64067  -1476134
 841   o 100  40  10.1  10.1  6.3  6.3   1.417   8 SLU   11025  -752533    15625  -1066544
       v  50  40   4.0   4.0  7.9  7.9  16.115  16 SLV   -2892   -77476   -46611  -1248505
```

Combinazione rara
```
 nod sez   B   H   Af+   Af-   c+   c-    sc   c     N         M       sf   c      N         M Wk(mm) Wlim   st Sm(mm)    c
 132   o  70  40   6.0   6.0  6.3  6.3  -9.3 1 ra -1.47E04  8.88E04  -29.0 1 ra -1.47E04  8.88E04 0.00999.00 1.1    0.0 1 ra
```

```
          v 100  40  10.1  10.1  7.9   7.9   -5.5 1 ra -8.17E03  9.01E04    11.3 1 ra -8.17E03  9.01E04   0.00999.00  1.3     0.0 1 ra
 839  o 100  40  10.1  10.1  6.3   6.3  -36.6 1 ra  1.00E04 -5.28E05  2234.4 1 ra  1.00E04 -5.28E05   0.00999.00 21.4     0.0 1 ra
          v  50  40   4.0   4.0  7.9   7.9  -10.9 1 ra -4.50E03 -7.81E04   139.8 1 ra -4.50E03 -7.81E04   0.00999.00  3.5     0.0 1 ra
 841  o 100  40  10.1  10.1  6.3   6.3  -37.7 1 ra  8.29E03 -5.39E05  2178.3 1 ra  8.29E03 -5.39E05   0.00999.00 21.4     0.0 1 ra
          v  50  40   4.0   4.0  7.9   7.9  -11.9 1 ra -4.96E03 -8.58E04   152.0 1 ra -4.96E03 -8.58E04   0.00999.00  3.8     0.0 1 ra
```

Combinazione frequente

```
 nod sez   B    H   Af+   Af-   c+    c-    sc   c        N         M       sf   c        N        M Wk(mm) Wklim   st Sm(mm)   c
 132  o  70  40   6.0   6.0  6.3   6.3   -9.3 1 fr -1.47E04  8.88E04   -29.0 1 fr -1.47E04  8.88E04   0.00  0.20  1.1     0.0 1 fr
          v 100  40  10.1  10.1  7.9   7.9   -5.5 1 fr -8.17E03  9.01E04    11.3 1 fr -8.17E03  9.01E04   0.00  0.20  1.3     0.0 1 fr
 839  o 100  40  10.1  10.1  6.3   6.3  -36.6 1 fr  1.00E04 -5.28E05  2234.4 1 fr  1.00E04 -5.28E05   0.00  0.20 21.4     0.0 1 fr
          v  50  40   4.0   4.0  7.9   7.9  -10.9 1 fr -4.50E03 -7.81E04   139.8 1 fr -4.50E03 -7.81E04   0.00  0.20  3.5     0.0 1 fr
 841  o 100  40  10.1  10.1  6.3   6.3  -37.7 1 fr  8.29E03 -5.39E05  2178.3 1 fr  8.29E03 -5.39E05   0.00  0.20 21.4     0.0 1 fr
          v  50  40   4.0   4.0  7.9   7.9  -11.9 1 fr -4.96E03 -8.58E04   152.0 1 fr -4.96E03 -8.58E04   0.00  0.20  3.8     0.0 1 fr
```

Combinazione quasi permanente

```
 nod sez   B    H   Af+   Af-   c+    c-    sc   c        N         M       sf   c        N        M Wk(mm) Wklim   st Sm(mm)   c
 132  o  70  40   6.0   6.0  6.3   6.3   -8.5 4 q. -1.36E04  8.02E04   -28.1 4 q. -1.36E04  8.02E04   0.00  0.20  1.0     0.0 1 q.
          v 100  40  10.1  10.1  7.9   7.9   -4.9 4 q. -7.55E03  8.08E04     7.9 4 q. -7.55E03  8.08E04   0.00  0.20  1.1     0.0 1 q.
 839  o 100  40  10.1  10.1  6.3   6.3  -28.2 4 q.  9.14E03 -4.11E05  1824.9 4 q.  9.63E03 -4.08E05   0.00  0.20 17.0     0.0 1 q.
          v  50  40   4.0   4.0  7.9   7.9   -8.9 4 q. -4.05E03 -6.55E04    97.0 4 q. -4.05E03 -6.55E04   0.00  0.20  2.8     0.0 1 q.
 841  o 100  40  10.1  10.1  6.3   6.3  -28.9 4 q.  7.58E03 -4.16E05  1762.0 3 q.  8.09E03 -4.13E05   0.00  0.20 16.8     0.0 1 q.
          v  50  40   4.0   4.0  7.9   7.9   -8.6 4 q. -4.49E03 -6.55E04    70.4 3 q. -4.45E03 -6.51E04   0.00  0.20  2.6     0.0 1 q.
```

Verifica dei pannelli

Pannello : Pannello da Filo 84 a Filo 11

Sezione a quota -399
Coordinate dei vertici

```
     X         Y
 -750.0     20.0
 -750.0     51.0
 -700.0     51.0
 -700.0     20.0
  160.0     20.0
  160.0     51.0
  200.0     51.0
  200.0     20.0
  200.0    -20.0
 -750.0    -20.0
```

Armature verticali

```
     X       Y     ø       X       Y     ø       X       Y     ø       X       Y     ø       X       Y     ø
 -737.8   -13.7   16  -717.8   -13.7   16  -697.8   -13.7   16  -677.8   -13.7   16  -657.8   -13.7   16
 -637.8   -13.7   16  -617.8   -13.7   16  -597.8   -13.7   16  -577.8   -13.7   16  -557.8   -13.7   16
 -537.8   -13.7   16  -517.8   -13.7   16  -497.8   -13.7   16  -477.8   -13.7   16  -457.8   -13.7   16
 -437.8   -13.7   16  -417.8   -13.7   16  -397.8   -13.7   16  -377.8   -13.7   16  -357.8   -13.7   16
 -337.8   -13.7   16  -317.8   -13.7   16  -297.8   -13.7   16  -277.8   -13.7   16  -257.8   -13.7   16
 -237.8   -13.7   16  -217.8   -13.7   16  -197.8   -13.7   16  -177.8   -13.7   16  -157.8   -13.7   16
 -137.8   -13.7   16  -117.8   -13.7   16   -97.8   -13.7   16   -77.8   -13.7   16   -57.8   -13.7   16
  -37.8   -13.7   16   -17.8   -13.7   16     2.3   -13.7   16    22.3   -13.7   16    42.3   -13.7   16
   62.3   -13.7   16    82.3   -13.7   16   102.3   -13.7   16   122.3   -13.7   16   142.3   -13.7   16
  162.3   -13.7   16   182.3   -13.7   16  -737.8    13.7   16  -717.8    13.7   16  -697.8    13.7   16
 -677.8    13.7   16  -657.8    13.7   16  -637.8    13.7   16  -617.8    13.7   16  -597.8    13.7   16
 -577.8    13.7   16  -557.8    13.7   16  -537.8    13.7   16  -517.8    13.7   16  -497.8    13.7   16
 -477.8    13.7   16  -457.8    13.7   16  -437.8    13.7   16  -417.8    13.7   16  -397.8    13.7   16
 -377.8    13.7   16  -357.8    13.7   16  -337.8    13.7   16  -317.8    13.7   16  -297.8    13.7   16
 -277.8    13.7   16  -257.8    13.7   16  -237.8    13.7   16  -217.8    13.7   16  -197.8    13.7   16
 -177.8    13.7   16  -157.8    13.7   16  -137.8    13.7   16  -117.8    13.7   16   -97.8    13.7   16
  -77.8    13.7   16   -57.8    13.7   16   -37.8    13.7   16   -17.8    13.7   16     2.3    13.7   16
   22.3    13.7   16    42.3    13.7   16    62.3    13.7   16    82.3    13.7   16   102.3    13.7   16
  122.3    13.7   16   142.3    13.7   16   162.3    13.7   16   182.3    13.7   16
```

Sezione a quota -338
Coordinate dei vertici

```
     X         Y
 -750.0     20.0
 -750.0     83.1
 -700.0     83.1
 -700.0     20.0
  160.0     20.0
  160.0     83.1
  200.0     83.1
  200.0     20.0
  200.0    -20.0
 -750.0    -20.0
```

Armature verticali

```
     X       Y     ø       X       Y     ø       X       Y     ø       X       Y     ø       X       Y     ø
 -737.8   -13.7   16  -717.8   -13.7   16  -697.8   -13.7   16  -677.8   -13.7   16  -657.8   -13.7   16
 -637.8   -13.7   16  -617.8   -13.7   16  -597.8   -13.7   16  -577.8   -13.7   16  -557.8   -13.7   16
 -537.8   -13.7   16  -517.8   -13.7   16  -497.8   -13.7   16  -477.8   -13.7   16  -457.8   -13.7   16
 -437.8   -13.7   16  -417.8   -13.7   16  -397.8   -13.7   16  -377.8   -13.7   16  -357.8   -13.7   16
 -337.8   -13.7   16  -317.8   -13.7   16  -297.8   -13.7   16  -277.8   -13.7   16  -257.8   -13.7   16
 -237.8   -13.7   16  -217.8   -13.7   16  -197.8   -13.7   16  -177.8   -13.7   16  -157.8   -13.7   16
 -137.8   -13.7   16  -117.8   -13.7   16   -97.8   -13.7   16   -77.8   -13.7   16   -57.8   -13.7   16
  -37.8   -13.7   16   -17.8   -13.7   16     2.3   -13.7   16    22.3   -13.7   16    42.3   -13.7   16
   62.3   -13.7   16    82.3   -13.7   16   102.3   -13.7   16   122.3   -13.7   16   142.3   -13.7   16
  162.3   -13.7   16   182.3   -13.7   16  -737.8    13.7   16  -717.8    13.7   16  -697.8    13.7   16
 -677.8    13.7   16  -657.8    13.7   16  -637.8    13.7   16  -617.8    13.7   16  -597.8    13.7   16
 -577.8    13.7   16  -557.8    13.7   16  -537.8    13.7   16  -517.8    13.7   16  -497.8    13.7   16
 -477.8    13.7   16  -457.8    13.7   16  -437.8    13.7   16  -417.8    13.7   16  -397.8    13.7   16
 -377.8    13.7   16  -357.8    13.7   16  -337.8    13.7   16  -317.8    13.7   16  -297.8    13.7   16
```

```
-277.8   13.7   16   -257.8   13.7   16   -237.8   13.7   16   -217.8   13.7   16   -197.8   13.7   16
-177.8   13.7   16   -157.8   13.7   16   -137.8   13.7   16   -117.8   13.7   16    -97.8   13.7   16
 -77.8   13.7   16    -57.8   13.7   16    -37.8   13.7   16    -17.8   13.7   16      2.3   13.7   16
  22.3   13.7   16     42.3   13.7   16     62.3   13.7   16     82.3   13.7   16    102.3   13.7   16
 122.3   13.7   16    142.3   13.7   16    162.3   13.7   16    182.3   13.7   16
```

Sezione a quota -276
Coordinate dei vertici

```
    X       Y
-750.0    20.0
-750.0    67.8
-700.0    67.8
-700.0    20.0
 160.0    20.0
 160.0    67.8
 200.0    67.8
 200.0    20.0
 200.0   -20.0
-750.0   -20.0
```

Armature verticali

```
    X        Y     ø       X        Y     ø       X        Y     ø       X        Y     ø       X        Y     ø
-737.8   -13.7   16   -717.8   -13.7   16   -697.8   -13.7   16   -677.8   -13.7   16   -657.8   -13.7   16
-637.8   -13.7   16   -617.8   -13.7   16   -597.8   -13.7   16   -577.8   -13.7   16   -557.8   -13.7   16
-537.8   -13.7   16   -517.8   -13.7   16   -497.8   -13.7   16   -477.8   -13.7   16   -457.8   -13.7   16
-437.8   -13.7   16   -417.8   -13.7   16   -397.8   -13.7   16   -377.8   -13.7   16   -357.8   -13.7   16
-337.8   -13.7   16   -317.8   -13.7   16   -297.8   -13.7   16   -277.8   -13.7   16   -257.8   -13.7   16
-237.8   -13.7   16   -217.8   -13.7   16   -197.8   -13.7   16   -177.8   -13.7   16   -157.8   -13.7   16
-137.8   -13.7   16   -117.8   -13.7   16    -97.8   -13.7   16    -77.8   -13.7   16    -57.8   -13.7   16
 -37.8   -13.7   16    -17.8   -13.7   16      2.3   -13.7   16     22.3   -13.7   16     42.3   -13.7   16
  62.3   -13.7   16     82.3   -13.7   16    102.3   -13.7   16    122.3   -13.7   16    142.3   -13.7   16
 162.3   -13.7   16    182.3   -13.7   16   -737.8    13.7   16   -717.8    13.7   16   -697.8    13.7   16
-677.8    13.7   16   -657.8    13.7   16   -637.8    13.7   16   -617.8    13.7   16   -597.8    13.7   16
-577.8    13.7   16   -557.8    13.7   16   -537.8    13.7   16   -517.8    13.7   16   -497.8    13.7   16
-477.8    13.7   16   -457.8    13.7   16   -437.8    13.7   16   -417.8    13.7   16   -397.8    13.7   16
-377.8    13.7   16   -357.8    13.7   16   -337.8    13.7   16   -317.8    13.7   16   -297.8    13.7   16
-277.8    13.7   16   -257.8    13.7   16   -237.8    13.7   16   -217.8    13.7   16   -197.8    13.7   16
-177.8    13.7   16   -157.8    13.7   16   -137.8    13.7   16   -117.8    13.7   16    -97.8    13.7   16
 -77.8    13.7   16    -57.8    13.7   16    -37.8    13.7   16    -17.8    13.7   16      2.3    13.7   16
  22.3    13.7   16     42.3    13.7   16     62.3    13.7   16     82.3    13.7   16    102.3    13.7   16
 122.3    13.7   16    142.3    13.7   16    162.3    13.7   16    182.3    13.7   16
```

Sezione a quota -274
Coordinate dei vertici

```
    X       Y
-750.0    20.0
-750.0    67.3
-700.0    67.3
-700.0    20.0
 160.0    20.0
 160.0    67.3
 200.0    67.3
 200.0    20.0
 200.0   -20.0
 190.0   -20.0
 190.0   -67.3
 160.0   -67.3
 160.0   -20.0
  40.0   -20.0
  40.0   -67.3
  10.0   -67.3
  10.0   -20.0
-750.0   -20.0
```

Armature verticali

```
    X        Y     ø       X        Y     ø       X        Y     ø       X        Y     ø       X        Y     ø
-737.8   -13.7   16   -717.8   -13.7   16   -697.8   -13.7   16   -677.8   -13.7   16   -657.8   -13.7   16
-637.8   -13.7   16   -617.8   -13.7   16   -597.8   -13.7   16   -577.8   -13.7   16   -557.8   -13.7   16
-537.8   -13.7   16   -517.8   -13.7   16   -497.8   -13.7   16   -477.8   -13.7   16   -457.8   -13.7   16
-437.8   -13.7   16   -417.8   -13.7   16   -397.8   -13.7   16   -377.8   -13.7   16   -357.8   -13.7   16
-337.8   -13.7   16   -317.8   -13.7   16   -297.8   -13.7   16   -277.8   -13.7   16   -257.8   -13.7   16
-237.8   -13.7   16   -217.8   -13.7   16   -197.8   -13.7   16   -177.8   -13.7   16   -157.8   -13.7   16
-137.8   -13.7   16   -117.8   -13.7   16    -97.8   -13.7   16    -77.8   -13.7   16    -57.8   -13.7   16
 -37.8   -13.7   16    -17.8   -13.7   16      2.3   -13.7   16     22.3   -13.7   16     42.3   -13.7   16
  62.3   -13.7   16     82.3   -13.7   16    102.3   -13.7   16    122.3   -13.7   16    142.3   -13.7   16
 162.3   -13.7   16    182.3   -13.7   16   -737.8    13.7   16   -717.8    13.7   16   -697.8    13.7   16
-677.8    13.7   16   -657.8    13.7   16   -637.8    13.7   16   -617.8    13.7   16   -597.8    13.7   16
-577.8    13.7   16   -557.8    13.7   16   -537.8    13.7   16   -517.8    13.7   16   -497.8    13.7   16
-477.8    13.7   16   -457.8    13.7   16   -437.8    13.7   16   -417.8    13.7   16   -397.8    13.7   16
-377.8    13.7   16   -357.8    13.7   16   -337.8    13.7   16   -317.8    13.7   16   -297.8    13.7   16
-277.8    13.7   16   -257.8    13.7   16   -237.8    13.7   16   -217.8    13.7   16   -197.8    13.7   16
-177.8    13.7   16   -157.8    13.7   16   -137.8    13.7   16   -117.8    13.7   16    -97.8    13.7   16
 -77.8    13.7   16    -57.8    13.7   16    -37.8    13.7   16    -17.8    13.7   16      2.3    13.7   16
  22.3    13.7   16     42.3    13.7   16     62.3    13.7   16     82.3    13.7   16    102.3    13.7   16
 122.3    13.7   16    142.3    13.7   16    162.3    13.7   16    182.3    13.7   16
```

Sezione a quota -140
Coordinate dei vertici

```
    X       Y
-750.0   -20.0
-750.0    20.0
 200.0    20.0
 200.0   -20.0
```

```
Armature verticali
     X        Y     ø      X        Y     ø      X       Y     ø       X        Y     ø       X        Y     ø
 -737.8    -13.7   16  -717.8    -13.7   16  -697.8   -13.7   16   -677.8    -13.7   16   -657.8    -13.7   16
 -637.8    -13.7   16  -617.8    -13.7   16  -597.8   -13.7   16   -577.8    -13.7   16   -557.8    -13.7   16
 -537.8    -13.7   16  -517.8    -13.7   16  -497.8   -13.7   16   -477.8    -13.7   16   -457.8    -13.7   16
 -437.8    -13.7   16  -417.8    -13.7   16  -397.8   -13.7   16   -377.8    -13.7   16   -357.8    -13.7   16
 -337.8    -13.7   16  -317.8    -13.7   16  -297.8   -13.7   16   -277.8    -13.7   16   -257.8    -13.7   16
 -237.8    -13.7   16  -217.8    -13.7   16  -197.8   -13.7   16   -177.8    -13.7   16   -157.8    -13.7   16
 -137.8    -13.7   16  -117.8    -13.7   16   -97.8   -13.7   16    -77.8    -13.7   16    -57.8    -13.7   16
  -37.8    -13.7   16   -17.8    -13.7   16     2.3   -13.7   16     22.3    -13.7   16     42.3    -13.7   16
   62.3    -13.7   16    82.3    -13.7   16   102.3   -13.7   16    122.3    -13.7   16    142.3    -13.7   16
  162.3    -13.7   16   182.3    -13.7   16  -737.8    13.7   16   -717.8     13.7   16   -697.8     13.7   16
 -677.8     13.7   16  -657.8     13.7   16  -637.8    13.7   16   -617.8     13.7   16   -597.8     13.7   16
 -577.8     13.7   16  -557.8     13.7   16  -537.8    13.7   16   -517.8     13.7   16   -497.8     13.7   16
 -477.8     13.7   16  -457.8     13.7   16  -437.8    13.7   16   -417.8     13.7   16   -397.8     13.7   16
 -377.8     13.7   16  -357.8     13.7   16  -337.8    13.7   16   -317.8     13.7   16   -297.8     13.7   16
 -277.8     13.7   16  -257.8     13.7   16  -237.8    13.7   16   -217.8     13.7   16   -197.8     13.7   16
 -177.8     13.7   16  -157.8     13.7   16  -137.8    13.7   16   -117.8     13.7   16    -97.8     13.7   16
  -77.8     13.7   16   -57.8     13.7   16   -37.8    13.7   16    -17.8     13.7   16      2.3     13.7   16
   22.3     13.7   16    42.3     13.7   16    62.3    13.7   16     82.3     13.7   16    102.3     13.7   16
  122.3     13.7   16   142.3     13.7   16   162.3    13.7   16    182.3     13.7   16


Sezione a quota -6
Coordinate dei vertici
     X        Y
 -750.0    -20.0
 -750.0     20.0
  200.0     20.0
  200.0    -20.0

Armature verticali
     X        Y     ø      X        Y     ø      X       Y     ø       X        Y     ø       X        Y     ø
 -737.8    -13.7   16  -717.8    -13.7   16  -697.8   -13.7   16   -677.8    -13.7   16   -657.8    -13.7   16
 -637.8    -13.7   16  -617.8    -13.7   16  -597.8   -13.7   16   -577.8    -13.7   16   -557.8    -13.7   16
 -537.8    -13.7   16  -517.8    -13.7   16  -497.8   -13.7   16   -477.8    -13.7   16   -457.8    -13.7   16
 -437.8    -13.7   16  -417.8    -13.7   16  -397.8   -13.7   16   -377.8    -13.7   16   -357.8    -13.7   16
 -337.8    -13.7   16  -317.8    -13.7   16  -297.8   -13.7   16   -277.8    -13.7   16   -257.8    -13.7   16
 -237.8    -13.7   16  -217.8    -13.7   16  -197.8   -13.7   16   -177.8    -13.7   16   -157.8    -13.7   16
 -137.8    -13.7   16  -117.8    -13.7   16   -97.8   -13.7   16    -77.8    -13.7   16    -57.8    -13.7   16
  -37.8    -13.7   16   -17.8    -13.7   16     2.3   -13.7   16     22.3    -13.7   16     42.3    -13.7   16
   62.3    -13.7   16    82.3    -13.7   16   102.3   -13.7   16    122.3    -13.7   16    142.3    -13.7   16
  162.3    -13.7   16   182.3    -13.7   16  -737.8    13.7   16   -717.8     13.7   16   -697.8     13.7   16
 -677.8     13.7   16  -657.8     13.7   16  -637.8    13.7   16   -617.8     13.7   16   -597.8     13.7   16
 -577.8     13.7   16  -557.8     13.7   16  -537.8    13.7   16   -517.8     13.7   16   -497.8     13.7   16
 -477.8     13.7   16  -457.8     13.7   16  -437.8    13.7   16   -417.8     13.7   16   -397.8     13.7   16
 -377.8     13.7   16  -357.8     13.7   16  -337.8    13.7   16   -317.8     13.7   16   -297.8     13.7   16
 -277.8     13.7   16  -257.8     13.7   16  -237.8    13.7   16   -217.8     13.7   16   -197.8     13.7   16
 -177.8     13.7   16  -157.8     13.7   16  -137.8    13.7   16   -117.8     13.7   16    -97.8     13.7   16
  -77.8     13.7   16   -57.8     13.7   16   -37.8    13.7   16    -17.8     13.7   16      2.3     13.7   16
   22.3     13.7   16    42.3     13.7   16    62.3    13.7   16     82.3     13.7   16    102.3     13.7   16
  122.3     13.7   16   142.3     13.7   16   162.3    13.7   16    182.3     13.7   16
```

Verifica eseguita come parete di fondazione comportamento non dissipativo
Le verifiche SLV sono state condotte con sollecitazioni derivate dalla famiglia di combinazioni 'SLV fondazioni'

```
 fcd fctd   Hcr q.Hcr    hw    Lw   n.p.    hs
 212   16   445   -5    445   950    2     198
```

Verifica a pressoflessione

```
quota      Mxd          Myd          Ned       Ngrav.     NReale     c.s.  comb
 -399   3632184      1340236     -123624    -123624    -123624   11.9337  5 SLU
 -399   4143423     -2671849     -121611     -85851    -121611    8.8282  6 SLVFond
 -338    -77270      6415947     -105366    -105366    -105366   64.7695  8 SLU
 -338   -595004     10013560      -20012     -73528     -20012   21.4343  7 SLVFond
 -276  -1809188      6730436      -89912     -89912     -89912   15.2337  6 SLU
 -276  -1780942     -4823711     -104700     -63192    -104700   18.1075  6 SLVFond
 -274  -1944270      6772036      -91533     -91533     -91533   14.8178  5 SLU
 -274  -1625051      2083884      -86639     -63319     -86639   20.8367  6 SLVFond
 -140  -1001813     11095920      -52921     -52921     -52921   21.0072  5 SLU
 -140  -1096605      9630027      -46133     -36608     -46133   17.8721  6 SLVFond
   -6   3932169     15581720      -18807     -18807     -18807    3.1010  8 SLU
   -6   3208797      5776304      -11525     -13193     -11525    3.9338 11 SLVFond
```

Verifica compressione del diagonale

```
quota  epsilon      VEd      Vrcd comb
 -399    1.00     -43513   1633002 6 SLU
 -399    1.00     -93558   1615722 7 SLVFond
 -338    1.00     -44739   1629495 6 SLU
 -338    1.00     -95253   1612542 7 SLVFond
 -276    1.00     -37339   1626522 6 SLU
 -276    1.00     -89499   1610431 7 SLVFond
 -274    1.00     -46964   1626664 6 SLU
 -274    1.00    -101812   1616806 3 SLVFond
 -140    1.00     -32628   1619039 6 SLU
 -140    1.00     -91580   1615594 3 SLVFond
   -6    1.00     -24828   1612377 6 SLU
   -6    1.00     -85953   1614486 3 SLVFond
```

Verifica trazione del diagonale

```
quota  alfaS   At    roh     rov       MEd       NEd       VEd      VRsd comb
 -399   0.00 189.0  0.0050  0.0050   1411337   -122308    -43513   598015 6 SLU
 -399   0.00 189.0  0.0050  0.0050   1139794    -35908    -93558   598015 7 SLVFond
 -338   0.00 189.0  0.0050  0.0050   6343515   -104775    -44739   598015 6 SLU
```

```
 -338      0.00 189.0 0.0050 0.0050   10013560   -20012    -95253    598015 7 SLVFond
 -276      0.00 189.0 0.0050 0.0050    6730436   -89912    -37339    598015 6 SLU
 -276      0.00 189.0 0.0050 0.0050   14218300    -9452    -89499    598015 7 SLVFond
 -274      0.00 189.0 0.0050 0.0050    6831442   -90621    -46964    598015 6 SLU
 -274      0.00 189.0 0.0050 0.0050    3606632   -41327   -101812    598015 3 SLVFond
 -140      0.00 189.0 0.0050 0.0050   11034410   -52494    -32628    598015 6 SLU
 -140      0.00 189.0 0.0050 0.0050   15149640   -35271    -91580    598015 3 SLVFond
   -6      0.00 189.0 0.0040 0.0050   16055120   -19186    -24828    478412 6 SLU
   -6      0.00 189.0 0.0040 0.0050   28494930   -29730    -85953    478412 3 SLVFond
```

Parete chiusura idraulica O
Parete fra le coordinate in pianta (-180;-145) (-180;-375)
da quota -450 a quota 100
Valori in daN, cm
C35/45_1: rck 450
fyk 4500

Verifica di stato limite ultimo
```
 nod sez  B   H   Af+  Af-  c+   c-    c.s.    comb       N        M       Nu       Mu
 771  o 100  40 10.1 10.1 6.3  6.3  11.532    7 SLU   -49555   377112  -571490  4349017
      v 100  40 10.1 10.1 7.9  7.9   3.594    1 SLV     8065  -242381    28985  -871069
 829  o  70  40  6.0  6.0 6.3  6.3   4.958    1 SLV     -350   168208    -1735   834038
      v 100  40 10.1 10.1 7.9  7.9   2.314   14 SLV   -10860   747643   -25132  1730161
```

Combinazione rara
```
 nod sez  B   H   Af+  Af-  c+   c-   sc   c      N        M       sf    c        N        M Wk(mm) Wlim   st Sm(mm)  c
 771  o 100  40 10.1 10.1 6.3  6.3 -18.2 1 ra -3.70E04  2.82E05 -29.3 1 ra -3.70E04  2.82E05 0.00999.00 1.2    0.0 1 ra
      v 100  40 10.1 10.1 7.9  7.9 -13.6 1 ra -1.89E03 -1.72E05 485.8 1 ra -1.89E03 -1.72E05 0.00999.00 5.8    0.0 1 ra
 829  o  70  40  6.0  6.0 6.3  6.3 -21.1 1 ra -1.42E04  2.31E05 233.8 1 ra -1.42E04  2.31E05 0.00999.00 7.0    0.0 1 ra
      v 100  40 10.1 10.1 7.9  7.9 -44.3 1 ra -2.36E04  6.08E05 911.8 1 ra -2.36E04  6.08E05 0.00999.00 16.4   0.0 1 ra
```

Combinazione frequente
```
 nod sez  B   H   Af+  Af-  c+   c-   sc   c      N        M       sf    c        N        M Wk(mm) Wklim   st Sm(mm)   c
 771  o 100  40 10.1 10.1 6.3  6.3 -18.2 1 fr -3.70E04  2.82E05 -29.3 1 fr -3.70E04  2.82E05 0.00  0.20  1.2    0.0 1 fr
      v 100  40 10.1 10.1 7.9  7.9 -13.6 1 fr -1.89E03 -1.72E05 485.8 1 fr -1.89E03 -1.72E05 0.00  0.20  5.8    0.0 1 fr
 829  o  70  40  6.0  6.0 6.3  6.3 -21.1 1 fr -1.42E04  2.31E05 233.8 1 fr -1.42E04  2.31E05 0.00  0.20  7.0    0.0 1 fr
      v 100  40 10.1 10.1 7.9  7.9 -44.3 1 fr -2.36E04  6.08E05 911.8 1 fr -2.36E04  6.08E05 0.00  0.20  16.4   0.0 1 fr
```

Combinazione quasi permanente
```
 nod sez  B   H   Af+  Af-  c+   c-   sc   c      N        M       sf    c        N        M Wk(mm) Wklim   st Sm(mm)   c
 771  o 100  40 10.1 10.1 6.3  6.3 -17.0 3 q. -3.37E04  2.67E05 -24.3 4 q. -3.38E04  2.64E05 0.00  0.20  1.5    0.0 1 q.
      v 100  40 10.1 10.1 7.9  7.9 -12.5 4 q. -1.33E03 -1.57E05 466.4 4 q. -1.33E03 -1.57E05 0.00  0.20  5.4    0.0 1 q.
 829  o  70  40  6.0  6.0 6.3  6.3 -19.4 4 q. -1.31E04  2.12E05 213.9 3 q. -1.30E04  2.11E05 0.00  0.20  6.4    0.0 1 q.
      v 100  40 10.1 10.1 7.9  7.9 -40.3 4 q. -2.12E04  5.53E05 839.0 4 q. -2.12E04  5.53E05 0.00  0.20  14.9   0.0 1 q.
```

Verifica dei pannelli

Pannello : Pannello da Filo 11 a Filo 7

Sezione a quota -399
Coordinate dei vertici
```
    X       Y
 145.0    20.0
 145.0    51.0
 185.0    51.0
 185.0    20.0
 335.0    20.0
 335.0    51.0
 375.0    51.0
 375.0    20.0
 375.0   -20.0
 145.0   -20.0
```

Armature verticali
```
    X       Y     ø       X       Y     ø       X       Y     ø       X       Y     ø       X       Y     ø
 162.8   -13.7   16   182.8   -13.7   16   202.8   -13.7   16   222.8   -13.7   16   242.8   -13.7   16
 262.8   -13.7   16   282.8   -13.7   16   302.8   -13.7   16   322.8   -13.7   16   342.8   -13.7   16
 362.8   -13.7   16   162.8    13.7   16   182.8    13.7   16   202.8    13.7   16   222.8    13.7   16
 242.8    13.7   16   262.8    13.7   16   282.8    13.7   16   302.8    13.7   16   322.8    13.7   16
 342.8    13.7   16   362.8    13.7   16
```

Sezione a quota -338
Coordinate dei vertici
```
    X       Y
 145.0    20.0
 145.0    83.1
 185.0    83.1
 185.0    20.0
 335.0    20.0
 335.0    83.1
 375.0    83.1
 375.0    20.0
 375.0   -20.0
 145.0   -20.0
```

Armature verticali
```
    X       Y     ø       X       Y     ø       X       Y     ø       X       Y     ø       X       Y     ø
 162.8   -13.7   16   182.8   -13.7   16   202.8   -13.7   16   222.8   -13.7   16   242.8   -13.7   16
 262.8   -13.7   16   282.8   -13.7   16   302.8   -13.7   16   322.8   -13.7   16   342.8   -13.7   16
 362.8   -13.7   16   162.8    13.7   16   182.8    13.7   16   202.8    13.7   16   222.8    13.7   16
 242.8    13.7   16   262.8    13.7   16   282.8    13.7   16   302.8    13.7   16   322.8    13.7   16
 342.8    13.7   16   362.8    13.7   16
```

```
Sezione a quota -276
Coordinate dei vertici
    X      Y
  145.0    20.0
  145.0    67.8
  185.0    67.8
  185.0    20.0
  335.0    20.0
  335.0    67.8
  375.0    67.8
  375.0    20.0
  375.0   -20.0
  145.0   -20.0

Armature verticali
    X        Y      ø        X        Y      ø        X        Y      ø        X        Y      ø        X        Y      ø
  162.8   -13.7    16    182.8   -13.7    16    202.8   -13.7    16    222.8   -13.7    16    242.8   -13.7    16
  262.8   -13.7    16    282.8   -13.7    16    302.8   -13.7    16    322.8   -13.7    16    342.8   -13.7    16
  362.8   -13.7    16    162.8    13.7    16    182.8    13.7    16    202.8    13.7    16    222.8    13.7    16
  242.8    13.7    16    262.8    13.7    16    282.8    13.7    16    302.8    13.7    16    322.8    13.7    16
  342.8    13.7    16    362.8    13.7    16

Sezione a quota -274
Coordinate dei vertici
    X      Y
  145.0    20.0
  145.0    67.3
  185.0    67.3
  185.0    20.0
  335.0    20.0
  335.0    67.3
  375.0    67.3
  375.0    20.0
  375.0   -20.0
  145.0   -20.0

Armature verticali
    X        Y      ø        X        Y      ø        X        Y      ø        X        Y      ø        X        Y      ø
  162.8   -13.7    16    182.8   -13.7    16    202.8   -13.7    16    222.8   -13.7    16    242.8   -13.7    16
  262.8   -13.7    16    282.8   -13.7    16    302.8   -13.7    16    322.8   -13.7    16    342.8   -13.7    16
  362.8   -13.7    16    162.8    13.7    16    182.8    13.7    16    202.8    13.7    16    222.8    13.7    16
  242.8    13.7    16    262.8    13.7    16    282.8    13.7    16    302.8    13.7    16    322.8    13.7    16
  342.8    13.7    16    362.8    13.7    16

Sezione a quota -140
Coordinate dei vertici
    X      Y
  145.0   -20.0
  145.0    20.0
  375.0    20.0
  375.0   -20.0

Armature verticali
    X        Y      ø        X        Y      ø        X        Y      ø        X        Y      ø        X        Y      ø
  162.8   -13.7    16    182.8   -13.7    16    202.8   -13.7    16    222.8   -13.7    16    242.8   -13.7    16
  262.8   -13.7    16    282.8   -13.7    16    302.8   -13.7    16    322.8   -13.7    16    342.8   -13.7    16
  362.8   -13.7    16    162.8    13.7    16    182.8    13.7    16    202.8    13.7    16    222.8    13.7    16
  242.8    13.7    16    262.8    13.7    16    282.8    13.7    16    302.8    13.7    16    322.8    13.7    16
  342.8    13.7    16    362.8    13.7    16    350.3   -10.3    20    350.3    10.3    20

Sezione a quota -6
Coordinate dei vertici
    X      Y
  145.0   -20.0
  145.0    20.0
  375.0    20.0
  375.0   -20.0

Armature verticali
    X        Y      ø        X        Y      ø        X        Y      ø        X        Y      ø        X        Y      ø
  162.8   -13.7    16    182.8   -13.7    16    202.8   -13.7    16    222.8   -13.7    16    242.8   -13.7    16
  262.8   -13.7    16    282.8   -13.7    16    302.8   -13.7    16    322.8   -13.7    16    342.8   -13.7    16
  362.8   -13.7    16    162.8    13.7    16    182.8    13.7    16    202.8    13.7    16    222.8    13.7    16
  242.8    13.7    16    262.8    13.7    16    282.8    13.7    16    302.8    13.7    16    322.8    13.7    16
  342.8    13.7    16    362.8    13.7    16    350.3   -10.3    20    350.3    10.3    20


Verifica eseguita come parete di fondazione comportamento non dissipativo
Le verifiche SLV sono state condotte con sollecitazioni derivate dalla famiglia di combinazioni 'SLV fondazioni'
 fcd fctd  Hcr q.Hcr   hw   Lw   n.p.    hs
 212   16  445    -5   445  230    2     198

Verifica a pressoflessione
quota       Mxd        Myd        Ned     Ngrav.     NReale    c.s.  comb
 -399      340054     216153    -21231    -21231    -21231  74.4756 8 SLU
 -399      225919     405846    -11076    -14829    -11076  93.4644 11 SLVFond
 -338       29216     293583    -25017    -25017    -25017  79.8702 7 SLU
 -338       26880     807373    -16999    -17206    -16999  79.6457 10 SLVFond
 -276      -39401    -305653    -24102    -24102    -24102  70.2781 6 SLU
 -276     -111983   -1648069    -13598    -16673    -13598  21.3190 7 SLVFond
 -274       94065    1498150    -44241    -44241    -44241  37.5896 5 SLU
 -274      142813    2422758    -35492    -30146    -35492  31.3154 10 SLVFond
```

```
-140        39177     -850326      -61593      -61593      -61593  28.1811  7 SLU
-140        32393     -288898      -54986      -42036      -54986  31.5671 13 SLVFond
  -6      -615286    -3191583      -74870      -74870      -74870  11.4147  5 SLU
  -6      -622785    -3963918      -49991      -51418      -49991   8.7617  5 SLVFond
```

```
Verifica compressione del diagonale
quota  epsilon      VEd      Vrcd comb
-399     1.00       7577    393686  6 SLU
-399     1.00      24446    391729  7 SLVFond
-338     1.00       8622    394448  6 SLU
-338     1.00      23637    392919  7 SLVFond
-276     1.00       4132    394256  6 SLU
-276     1.00      22225    392156  7 SLVFond
-274     1.00      25525    398284  5 SLU
-274     1.00      25068    396192  6 SLVFond
-140     1.00      22697    401682  5 SLU
-140     1.00      34817    398100  6 SLVFond
  -6     1.00      26720    404410  5 SLU
  -6     1.00      38744    399332  6 SLVFond
```

```
Verifica trazione del diagonale
quota  alfaS   At    roh     rov      MEd       NEd      VEd      VRsd comb
-399    0.00  44.2  0.0050  0.0048    216753   -21249     7577    144783  6 SLU
-399    0.00  44.2  0.0050  0.0048    426861   -11466    24446    144783  7 SLVFond
-338    0.00  44.2  0.0050  0.0048    272069   -25062     8622    144783  6 SLU
-338    0.00  44.2  0.0050  0.0048   -390457   -17413    23637    144783  7 SLVFond
-276    0.00  44.2  0.0050  0.0048   -305653   -24102     4132    144783  6 SLU
-276    0.00  44.2  0.0050  0.0048  -1648069   -13598    22225    144783  7 SLVFond
-274    0.00  44.2  0.0050  0.0048   1498150   -44241    25525    144783  5 SLU
-274    0.00  44.2  0.0050  0.0048   2291240   -33781    25068    144783  6 SLVFond
-140    0.00  45.5  0.0050  0.0049   -849886   -61228    22697    144783  5 SLU
-140    0.00  45.5  0.0050  0.0049   -344027   -43318    34817    144783  6 SLVFond
  -6    0.00  50.5  0.0050  0.0055  -3191583   -74870    26720    144783  5 SLU
  -6    0.00  50.5  0.0050  0.0055  -3927133   -49480    38744    144783  6 SLVFond
```

Parete E

```
Parete fra le coordinate in pianta (725;-895) (725;945)
da quota -155 a quota 1300
Valori in daN, cm
C35/45_1: rck 450
fyk 4500
```

```
Verifica di stato limite ultimo
 nod sez   B   H   Af+   Af-   c+    c-    c.s.    comb       N        M       Nu       Mu
 919  o  60  50  28.3  28.3  6.5   6.5   1.031    2 SLV  -14614 -4484956  -15065 -4623468
      v 120  50  18.8  18.8  8.5   8.5   4.522    6 SLV   13709  -395844   61996 -1790054
1610  o 120  50  40.8  40.8  6.5   6.5   1.020    1 SLV  -19119 -6634689  -19495 -6765352
      v 120  50  18.8  18.8  8.5   8.5   2.063    2 SLV     454 -1468929     937 -3029746
1670  o 120  50  37.7  37.7  6.5   6.5   1.052    1 SLV  -19774 -6014857  -20809 -6329751
      v 120  50  18.8  18.8  8.5   8.5   4.799    2 SLV    1978  -595812    9492 -2859369
3110  o 120  50  18.8  18.8  6.5   6.5   3.542    3 SLV   -6200  1000729  -21958  3544485
      v 120  50  18.8  18.8  8.5   8.5   1.200   15 SLV   68040 -1151379   81643 -1381578
```

```
Combinazione rara
 nod sez   B   H   Af+   Af-   c+    c-     sc  c       N        M      sf   c       N         M Wk(mm) Wlim   st  Sm(mm)   c
 919  o  60  50  28.3  28.3  6.5   6.5  -93.6 1 ra  -6.37E04 -2.28E06 1146.7 1 ra  -6.37E04 -2.28E06  0.04999.00  0.0  127.4 1 ra
      v 120  50  18.8  18.8  8.5   8.5  -12.0 1 ra  -6.07E03  3.38E05  320.9 1 ra  -6.07E03  3.38E05  0.00999.00  5.5    0.0 1 ra
1610  o 120  50  40.8  40.8  6.5   6.5  -66.5 1 ra  -3.41E04 -2.94E06 1493.1 1 ra  -3.41E04 -2.94E06  0.13999.00  0.0  321.4 1 ra
      v 120  50  18.8  18.8  8.5   8.5  -23.0 1 ra  -8.82E03 -6.44E05  682.8 1 ra  -8.82E03 -6.44E05  0.00999.00 10.9    0.0 1 ra
1670  o 120  50  37.7  37.7  6.5   6.5  -60.9 1 ra  -3.76E04 -2.56E06 1313.1 1 ra  -3.76E04 -2.56E06  0.04999.00  0.0  122.4 1 ra
      v 120  50  18.8  18.8  8.5   8.5   -8.1 1 ra  -4.65E03 -2.29E05  204.7 1 ra  -4.65E03 -2.29E05  0.00999.00  3.6    0.0 1 ra
3110  o 120  50  18.8  18.8  6.5   6.5  -13.9 1 ra  -7.29E04  1.61E05 -135.7 1 ra  -7.29E04  1.61E05  0.00999.00  0.0    0.0 1 ra
      v 120  50  18.8  18.8  8.5   8.5  -37.4 1 ra   1.17E04  1.07E06 1841.6 1 ra   1.17E04  1.07E06  0.00999.00 22.2    0.0 1 ra
```

```
Combinazione frequente
 nod sez   B   H   Af+   Af-   c+    c-     sc  c       N        M      sf   c       N         M Wk(mm) Wklim   st  Sm(mm)   c
 919  o  60  50  28.3  28.3  6.5   6.5  -93.6 1 fr  -6.37E04 -2.28E06 1146.7 1 fr  -6.37E04 -2.28E06  0.04   0.20  0.0  127.4 1 fr
      v 120  50  18.8  18.8  8.5   8.5  -12.0 1 fr  -6.07E03  3.38E05  320.9 1 fr  -6.07E03  3.38E05  0.00   0.20  5.5    0.0 1 fr
1610  o 120  50  40.8  40.8  6.5   6.5  -66.5 1 fr  -3.41E04 -2.94E06 1493.1 1 fr  -3.41E04 -2.94E06  0.13   0.20  0.0  321.4 1 fr
      v 120  50  18.8  18.8  8.5   8.5  -23.0 1 fr  -8.82E03 -6.44E05  682.8 1 fr  -8.82E03 -6.44E05  0.00   0.20 10.9    0.0 1 fr
1670  o 120  50  37.7  37.7  6.5   6.5  -60.9 1 fr  -3.76E04 -2.56E06 1313.1 1 fr  -3.76E04 -2.56E06  0.04   0.20  0.0  122.4 1 fr
      v 120  50  18.8  18.8  8.5   8.5   -8.1 1 fr  -4.65E03 -2.29E05  204.7 1 fr  -4.65E03 -2.29E05  0.00   0.20  3.6    0.0 1 fr
3110  o 120  50  18.8  18.8  6.5   6.5  -13.9 1 fr  -7.29E04  1.61E05 -135.7 1 fr  -7.29E04  1.61E05  0.00   0.20  0.0    0.0 1 fr
      v 120  50  18.8  18.8  8.5   8.5  -37.4 1 fr   1.17E04  1.07E06 1841.6 1 fr   1.17E04  1.07E06  0.00   0.20 22.2    0.0 1 fr
```

```
Combinazione quasi permanente
 nod sez   B   H   Af+   Af-   c+    c-     sc  c        N        M      sf   c        N         M Wk(mm) Wklim   st  Sm(mm)   c
 919  o  60  50  28.3  28.3  6.5   6.5  -79.9 3 q.  -5.60E04 -1.94E06  953.0 3 q.  -5.60E04 -1.94E06  0.03   0.20  0.0  126.8 3 q.
      v 120  50  18.8  18.8  8.5   8.5  -10.0 4 q.  -4.87E03  2.82E05  273.8 4 q.  -4.87E03  2.82E05  0.00   0.20  4.6    0.0 1 q.
1610  o 120  50  40.8  40.8  6.5   6.5  -58.2 3 q.  -3.03E04 -2.57E06 1300.4 3 q.  -3.03E04 -2.57E06  0.11   0.20  0.0  321.3 3 q.
      v 120  50  18.8  18.8  8.5   8.5  -19.8 3 q.  -7.89E03 -5.55E05  580.2 3 q.  -7.89E03 -5.55E05  0.00   0.20  9.3    0.0 1 q.
1670  o 120  50  37.7  37.7  6.5   6.5  -52.8 3 q.  -3.33E04 -2.22E06 1130.2 3 q.  -3.33E04 -2.22E06  0.04   0.20  0.0  122.1 3 q.
      v 120  50  18.8  18.8  8.5   8.5   -6.8 3 q.  -3.98E03 -1.92E05  170.1 3 q.  -3.98E03 -1.92E05  0.00   0.20  3.0    0.0 1 q.
3110  o 120  50  18.8  18.8  6.5   6.5  -13.5 3 q.  -6.87E04 -1.73E05 -131.6 4 q.  -6.84E04  1.29E05  0.00   0.20  0.0    0.0 1 q.
      v 120  50  18.8  18.8  8.5   8.5  -29.0 4 q.   1.19E04  8.37E05 1519.0 4 q.   1.19E04  8.37E05  0.00   0.20 17.9    0.0 1 q.
```

```
Verifica dei pannelli

Pannello : Pannello da Filo 19 a Filo 5

Sezione a quota -4
Coordinate dei vertici
```

```
     X        Y
 -895.0    -25.0
 -895.0     25.0
    5.0     25.0
    5.0    -25.0
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-875.0	-18.5	20	-855.0	-18.5	20	-835.0	-18.5	20	-815.0	-18.5	20	-795.0	-18.5	20
-775.0	-18.5	20	-755.0	-18.5	20	-735.0	-18.5	20	-715.0	-18.5	20	-695.0	-18.5	20
-675.0	-18.5	20	-655.0	-18.5	20	-635.0	-18.5	20	-615.0	-18.5	20	-595.0	-18.5	20
-575.0	-18.5	20	-555.0	-18.5	20	-535.0	-18.5	20	-515.0	-18.5	20	-495.0	-18.5	20
-475.0	-18.5	20	-455.0	-18.5	20	-435.0	-18.5	20	-415.0	-18.5	20	-395.0	-18.5	20
-375.0	-18.5	20	-355.0	-18.5	20	-335.0	-18.5	20	-315.0	-18.5	20	-295.0	-18.5	20
-275.0	-18.5	20	-255.0	-18.5	20	-235.0	-18.5	20	-215.0	-18.5	20	-195.0	-18.5	20
-175.0	-18.5	20	-155.0	-18.5	20	-135.0	-18.5	20	-115.0	-18.5	20	-95.0	-18.5	20
-75.0	-18.5	20	-55.0	-18.5	20	-35.0	-18.5	20	-15.0	-18.5	20	-875.0	18.5	20
-855.0	18.5	20	-835.0	18.5	20	-815.0	18.5	20	-795.0	18.5	20	-775.0	18.5	20
-755.0	18.5	20	-735.0	18.5	20	-715.0	18.5	20	-695.0	18.5	20	-675.0	18.5	20
-655.0	18.5	20	-635.0	18.5	20	-615.0	18.5	20	-595.0	18.5	20	-575.0	18.5	20
-555.0	18.5	20	-535.0	18.5	20	-515.0	18.5	20	-495.0	18.5	20	-475.0	18.5	20
-455.0	18.5	20	-435.0	18.5	20	-415.0	18.5	20	-395.0	18.5	20	-375.0	18.5	20
-355.0	18.5	20	-335.0	18.5	20	-315.0	18.5	20	-295.0	18.5	20	-275.0	18.5	20
-255.0	18.5	20	-235.0	18.5	20	-215.0	18.5	20	-195.0	18.5	20	-175.0	18.5	20
-155.0	18.5	20	-135.0	18.5	20	-115.0	18.5	20	-95.0	18.5	20	-75.0	18.5	20
-55.0	18.5	20	-35.0	18.5	20	-15.0	18.5	20	-2.5	-18.5	20	-2.5	18.5	20
-47.0	-18.5	20	-47.0	18.5	20	-100.9	-18.5	20	-100.9	18.5	20	-15.0	-18.5	20
-15.0	18.5	20	-26.7	-18.5	20	-26.7	18.5	20	-429.7	-18.5	20	-429.7	18.5	20
-63.4	-18.5	20	-63.4	18.5	20	-875.0	-18.5	20	-875.0	18.5	20	-855.0	-18.5	20
-855.0	18.5	20	-835.0	-18.5	20	-835.0	18.5	20	-815.0	-18.5	20	-815.0	18.5	20
-795.0	-18.5	20	-795.0	18.5	20	-775.0	-18.5	20	-775.0	18.5	20	-755.0	-18.5	20
-755.0	18.5	20	-735.0	-18.5	20	-735.0	18.5	20	-715.0	-18.5	20	-715.0	18.5	20
-695.0	-18.5	20	-695.0	18.5	20	-675.0	-18.5	20	-675.0	18.5	20	-655.0	-18.5	20
-655.0	18.5	20	-635.0	-18.5	20	-635.0	18.5	20	-615.0	-18.5	20	-615.0	18.5	20
-595.0	-18.5	20	-595.0	18.5	20	-575.0	-18.5	20	-575.0	18.5	20	-555.0	-18.5	20
-555.0	18.5	20	-535.0	-18.5	20	-535.0	18.5	20	-515.0	-18.5	20	-515.0	18.5	20
-495.0	-18.5	20	-495.0	18.5	20	-475.0	-18.5	20	-475.0	18.5	20	-455.0	-18.5	20
-455.0	18.5	20	-435.0	-18.5	20	-435.0	18.5	20	-415.0	-18.5	20	-415.0	18.5	20
-395.0	-18.5	20	-395.0	18.5	20	-375.0	-18.5	20	-375.0	18.5	20	-355.0	-18.5	20
-355.0	18.5	20	-335.0	-18.5	20	-335.0	18.5	20	-315.0	-18.5	20	-315.0	18.5	20
-295.0	-18.5	20	-295.0	18.5	20	-275.0	-18.5	20	-275.0	18.5	20	-255.0	-18.5	20
-255.0	18.5	20	-235.0	-18.5	20	-235.0	18.5	20	-215.0	-18.5	20	-215.0	18.5	20
-195.0	-18.5	20	-195.0	18.5	20	-175.0	-18.5	20	-175.0	18.5	20	-155.0	-18.5	20
-155.0	18.5	20	-135.0	-18.5	20	-135.0	18.5	20	-115.0	-18.5	20	-115.0	18.5	20
-95.0	-18.5	20	-95.0	18.5	20	-75.0	-18.5	20	-75.0	18.5	20	-55.0	-18.5	20
-55.0	18.5	20	-35.0	-18.5	20	-35.0	18.5	20	-15.0	-18.5	20	-15.0	18.5	20

Sezione a quota 51
Coordinate dei vertici

```
     X        Y
 -895.0     25.0
 -375.0     25.0
 -375.0    100.5
 -335.0    100.5
 -335.0     25.0
  900.0     25.0
  900.0    100.5
  945.0    100.5
  945.0     25.0
  945.0    -25.0
 -335.0    -25.0
 -335.0   -100.5
 -375.0   -100.5
 -375.0    -25.0
 -895.0    -25.0
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-875.0	-18.5	20	-855.0	-18.5	20	-835.0	-18.5	20	-815.0	-18.5	20	-795.0	-18.5	20
-775.0	-18.5	20	-755.0	-18.5	20	-735.0	-18.5	20	-715.0	-18.5	20	-695.0	-18.5	20
-675.0	-18.5	20	-655.0	-18.5	20	-635.0	-18.5	20	-615.0	-18.5	20	-595.0	-18.5	20
-575.0	-18.5	20	-555.0	-18.5	20	-535.0	-18.5	20	-515.0	-18.5	20	-495.0	-18.5	20
-475.0	-18.5	20	-455.0	-18.5	20	-435.0	-18.5	20	-415.0	-18.5	20	-395.0	-18.5	20
-375.0	-18.5	20	-355.0	-18.5	20	-335.0	-18.5	20	-315.0	-18.5	20	-295.0	-18.5	20
-275.0	-18.5	20	-255.0	-18.5	20	-235.0	-18.5	20	-215.0	-18.5	20	-195.0	-18.5	20
-175.0	-18.5	20	-155.0	-18.5	20	-135.0	-18.5	20	-115.0	-18.5	20	-95.0	-18.5	20
-75.0	-18.5	20	-55.0	-18.5	20	-35.0	-18.5	20	-15.0	-18.5	20	-875.0	18.5	20
-855.0	18.5	20	-835.0	18.5	20	-815.0	18.5	20	-795.0	18.5	20	-775.0	18.5	20
-755.0	18.5	20	-735.0	18.5	20	-715.0	18.5	20	-695.0	18.5	20	-675.0	18.5	20
-655.0	18.5	20	-635.0	18.5	20	-615.0	18.5	20	-595.0	18.5	20	-575.0	18.5	20
-555.0	18.5	20	-535.0	18.5	20	-515.0	18.5	20	-495.0	18.5	20	-475.0	18.5	20
-455.0	18.5	20	-435.0	18.5	20	-415.0	18.5	20	-395.0	18.5	20	-375.0	18.5	20
-355.0	18.5	20	-335.0	18.5	20	-315.0	18.5	20	-295.0	18.5	20	-275.0	18.5	20
-255.0	18.5	20	-235.0	18.5	20	-215.0	18.5	20	-195.0	18.5	20	-175.0	18.5	20
-155.0	18.5	20	-135.0	18.5	20	-115.0	18.5	20	-95.0	18.5	20	-75.0	18.5	20
-55.0	18.5	20	-35.0	18.5	20	-15.0	18.5	20	-2.5	-18.5	20	-2.5	18.5	20
-47.0	-18.5	20	-47.0	18.5	20	-100.9	-18.5	20	-100.9	18.5	20	-15.0	-18.5	20
-15.0	18.5	20	-26.7	-18.5	20	-26.7	18.5	20	-429.7	-18.5	20	-429.7	18.5	20
-63.4	-18.5	20	-63.4	18.5	20	-875.0	-18.5	20	-875.0	18.5	20	-855.0	-18.5	20
-855.0	18.5	20	-835.0	-18.5	20	-835.0	18.5	20	-815.0	-18.5	20	-815.0	18.5	20
-795.0	-18.5	20	-795.0	18.5	20	-775.0	-18.5	20	-775.0	18.5	20	-755.0	-18.5	20
-755.0	18.5	20	-735.0	-18.5	20	-735.0	18.5	20	-715.0	-18.5	20	-715.0	18.5	20
-695.0	-18.5	20	-695.0	18.5	20	-675.0	-18.5	20	-675.0	18.5	20	-655.0	-18.5	20
-655.0	18.5	20	-635.0	-18.5	20	-635.0	18.5	20	-615.0	-18.5	20	-615.0	18.5	20

−595.0	−18.5	20	−595.0	18.5	20	−575.0	−18.5	20	−575.0	18.5	20	−555.0	−18.5	20
−555.0	18.5	20	−535.0	−18.5	20	−535.0	18.5	20	−515.0	−18.5	20	−515.0	18.5	20
−495.0	−18.5	20	−495.0	18.5	20	−475.0	−18.5	20	−475.0	18.5	20	−455.0	−18.5	20
−455.0	18.5	20	−435.0	−18.5	20	−435.0	18.5	20	−415.0	−18.5	20	−415.0	18.5	20
−395.0	−18.5	20	−395.0	18.5	20	−375.0	−18.5	20	−375.0	18.5	20	−355.0	−18.5	20
−355.0	18.5	20	−335.0	−18.5	20	−335.0	18.5	20	−315.0	−18.5	20	−315.0	18.5	20
−295.0	−18.5	20	−295.0	18.5	20	−275.0	−18.5	20	−275.0	18.5	20	−255.0	−18.5	20
−255.0	18.5	20	−235.0	−18.5	20	−235.0	18.5	20	−215.0	−18.5	20	−215.0	18.5	20
−195.0	−18.5	20	−195.0	18.5	20	−175.0	−18.5	20	−175.0	18.5	20	−155.0	−18.5	20
−155.0	18.5	20	−135.0	−18.5	20	−135.0	18.5	20	−115.0	−18.5	20	−115.0	18.5	20
−95.0	−18.5	20	−95.0	18.5	20	−75.0	−18.5	20	−75.0	18.5	20	−55.0	−18.5	20
−55.0	18.5	20	−35.0	−18.5	20	−35.0	18.5	20	−15.0	−18.5	20	−15.0	18.5	20

Sezione a quota 105
Coordinate dei vertici

X	Y
−895.0	25.0
−375.0	25.0
−375.0	125.0
−335.0	125.0
−335.0	25.0
900.0	25.0
900.0	125.0
945.0	125.0
945.0	25.0
945.0	−25.0
−335.0	−25.0
−335.0	−125.0
−375.0	−125.0
−375.0	−25.0
−895.0	−25.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
−875.0	−18.5	20	−855.0	−18.5	20	−835.0	−18.5	20	−815.0	−18.5	20	−795.0	−18.5	20
−775.0	−18.5	20	−755.0	−18.5	20	−735.0	−18.5	20	−715.0	−18.5	20	−695.0	−18.5	20
−675.0	−18.5	20	−655.0	−18.5	20	−635.0	−18.5	20	−615.0	−18.5	20	−595.0	−18.5	20
−575.0	−18.5	20	−555.0	−18.5	20	−535.0	−18.5	20	−515.0	−18.5	20	−495.0	−18.5	20
−475.0	−18.5	20	−455.0	−18.5	20	−435.0	−18.5	20	−415.0	−18.5	20	−395.0	−18.5	20
−375.0	−18.5	20	−355.0	−18.5	20	−335.0	−18.5	20	−315.0	−18.5	20	−295.0	−18.5	20
−275.0	−18.5	20	−255.0	−18.5	20	−235.0	−18.5	20	−215.0	−18.5	20	−195.0	−18.5	20
−175.0	−18.5	20	−155.0	−18.5	20	−135.0	−18.5	20	−115.0	−18.5	20	−95.0	−18.5	20
−75.0	−18.5	20	−55.0	−18.5	20	−35.0	−18.5	20	−15.0	−18.5	20	−875.0	18.5	20
−855.0	18.5	20	−835.0	18.5	20	−815.0	18.5	20	−795.0	18.5	20	−775.0	18.5	20
−755.0	18.5	20	−735.0	18.5	20	−715.0	18.5	20	−695.0	18.5	20	−675.0	18.5	20
−655.0	18.5	20	−635.0	18.5	20	−615.0	18.5	20	−595.0	18.5	20	−575.0	18.5	20
−555.0	18.5	20	−535.0	18.5	20	−515.0	18.5	20	−495.0	18.5	20	−475.0	18.5	20
−455.0	18.5	20	−435.0	18.5	20	−415.0	18.5	20	−395.0	18.5	20	−375.0	18.5	20
−355.0	18.5	20	−335.0	18.5	20	−315.0	18.5	20	−295.0	18.5	20	−275.0	18.5	20
−255.0	18.5	20	−235.0	18.5	20	−215.0	18.5	20	−195.0	18.5	20	−175.0	18.5	20
−155.0	18.5	20	−135.0	18.5	20	−115.0	18.5	20	−95.0	18.5	20	−75.0	18.5	20
−55.0	18.5	20	−35.0	18.5	20	−15.0	18.5	20	−2.5	−18.5	20	−2.5	18.5	20
−47.0	−18.5	20	−47.0	18.5	20	−100.9	−18.5	20	−100.9	18.5	20	−15.0	−18.5	20
−15.0	18.5	20	−26.7	−18.5	20	−26.7	18.5	20	−429.7	−18.5	20	−429.7	18.5	20
−63.4	−18.5	20	−63.4	18.5	20	−875.0	−18.5	20	−875.0	18.5	20	−855.0	−18.5	20
−855.0	18.5	20	−835.0	−18.5	20	−835.0	18.5	20	−815.0	−18.5	20	−815.0	18.5	20
−795.0	−18.5	20	−795.0	18.5	20	−775.0	−18.5	20	−775.0	18.5	20	−755.0	−18.5	20
−755.0	18.5	20	−735.0	−18.5	20	−735.0	18.5	20	−715.0	−18.5	20	−715.0	18.5	20
−695.0	−18.5	20	−695.0	18.5	20	−675.0	−18.5	20	−675.0	18.5	20	−655.0	−18.5	20
−655.0	18.5	20	−635.0	−18.5	20	−635.0	18.5	20	−615.0	−18.5	20	−615.0	18.5	20
−595.0	−18.5	20	−595.0	18.5	20	−575.0	−18.5	20	−575.0	18.5	20	−555.0	−18.5	20
−555.0	18.5	20	−535.0	−18.5	20	−535.0	18.5	20	−515.0	−18.5	20	−515.0	18.5	20
−495.0	−18.5	20	−495.0	18.5	20	−475.0	−18.5	20	−475.0	18.5	20	−455.0	−18.5	20
−455.0	18.5	20	−435.0	−18.5	20	−435.0	18.5	20	−415.0	−18.5	20	−415.0	18.5	20
−395.0	−18.5	20	−395.0	18.5	20	−375.0	−18.5	20	−375.0	18.5	20	−355.0	−18.5	20
−355.0	18.5	20	−335.0	−18.5	20	−335.0	18.5	20	−315.0	−18.5	20	−315.0	18.5	20
−295.0	−18.5	20	−295.0	18.5	20	−275.0	−18.5	20	−275.0	18.5	20	−255.0	−18.5	20
−255.0	18.5	20	−235.0	−18.5	20	−235.0	18.5	20	−215.0	−18.5	20	−215.0	18.5	20
−195.0	−18.5	20	−195.0	18.5	20	−175.0	−18.5	20	−175.0	18.5	20	−155.0	−18.5	20
−155.0	18.5	20	−135.0	−18.5	20	−135.0	18.5	20	−115.0	−18.5	20	−115.0	18.5	20
−95.0	−18.5	20	−95.0	18.5	20	−75.0	−18.5	20	−75.0	18.5	20	−55.0	−18.5	20
−55.0	18.5	20	−35.0	−18.5	20	−35.0	18.5	20	−15.0	−18.5	20	−15.0	18.5	20

Sezione a quota 107
Coordinate dei vertici

X	Y
−895.0	25.0
−895.0	157.0
−845.0	157.0
−845.0	25.0
900.0	25.0
900.0	157.0
945.0	157.0
945.0	25.0
945.0	−25.0
−895.0	−25.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
−875.0	−18.5	20	−855.0	−18.5	20	−835.0	−18.5	20	−815.0	−18.5	20	−795.0	−18.5	20
−775.0	−18.5	20	−755.0	−18.5	20	−735.0	−18.5	20	−715.0	−18.5	20	−695.0	−18.5	20
−675.0	−18.5	20	−655.0	−18.5	20	−635.0	−18.5	20	−615.0	−18.5	20	−595.0	−18.5	20
−575.0	−18.5	20	−555.0	−18.5	20	−535.0	−18.5	20	−515.0	−18.5	20	−495.0	−18.5	20
−475.0	−18.5	20	−455.0	−18.5	20	−435.0	−18.5	20	−415.0	−18.5	20	−395.0	−18.5	20

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-375.0	-18.5	20	-355.0	-18.5	20	-335.0	-18.5	20	-315.0	-18.5	20	-295.0	-18.5	20
-275.0	-18.5	20	-255.0	-18.5	20	-235.0	-18.5	20	-215.0	-18.5	20	-195.0	-18.5	20
-175.0	-18.5	20	-155.0	-18.5	20	-135.0	-18.5	20	-115.0	-18.5	20	-95.0	-18.5	20
-75.0	-18.5	20	-55.0	-18.5	20	-35.0	-18.5	20	-15.0	-18.5	20	-875.0	18.5	20
-855.0	18.5	20	-835.0	18.5	20	-815.0	18.5	20	-795.0	18.5	20	-775.0	18.5	20
-755.0	18.5	20	-735.0	18.5	20	-715.0	18.5	20	-695.0	18.5	20	-675.0	18.5	20
-655.0	18.5	20	-635.0	18.5	20	-615.0	18.5	20	-595.0	18.5	20	-575.0	18.5	20
-555.0	18.5	20	-535.0	18.5	20	-515.0	18.5	20	-495.0	18.5	20	-475.0	18.5	20
-455.0	18.5	20	-435.0	18.5	20	-415.0	18.5	20	-395.0	18.5	20	-375.0	18.5	20
-355.0	18.5	20	-335.0	18.5	20	-315.0	18.5	20	-295.0	18.5	20	-275.0	18.5	20
-255.0	18.5	20	-235.0	18.5	20	-215.0	18.5	20	-195.0	18.5	20	-175.0	18.5	20
-155.0	18.5	20	-135.0	18.5	20	-115.0	18.5	20	-95.0	18.5	20	-75.0	18.5	20
-55.0	18.5	20	-35.0	18.5	20	-15.0	18.5	20	-2.5	-18.5	20	-2.5	18.5	20
-47.0	-18.5	20	-47.0	18.5	20	-100.9	-18.5	20	-100.9	18.5	20	-15.0	-18.5	20
-15.0	18.5	20	-26.7	-18.5	20	-26.7	18.5	20	-429.7	-18.5	20	-429.7	18.5	20
-63.4	-18.5	20	-63.4	18.5	20	-875.0	-18.5	20	-875.0	18.5	20	-855.0	-18.5	20
-855.0	18.5	20	-835.0	-18.5	20	-835.0	18.5	20	-815.0	-18.5	20	-815.0	18.5	20
-795.0	-18.5	20	-795.0	18.5	20	-775.0	-18.5	20	-775.0	18.5	20	-755.0	-18.5	20
-755.0	18.5	20	-735.0	-18.5	20	-735.0	18.5	20	-715.0	-18.5	20	-715.0	18.5	20
-695.0	-18.5	20	-695.0	18.5	20	-675.0	-18.5	20	-675.0	18.5	20	-655.0	-18.5	20
-655.0	18.5	20	-635.0	-18.5	20	-635.0	18.5	20	-615.0	-18.5	20	-615.0	18.5	20
-595.0	-18.5	20	-595.0	18.5	20	-575.0	-18.5	20	-575.0	18.5	20	-555.0	-18.5	20
-555.0	18.5	20	-535.0	-18.5	20	-535.0	18.5	20	-515.0	-18.5	20	-515.0	18.5	20
-495.0	-18.5	20	-495.0	18.5	20	-475.0	-18.5	20	-475.0	18.5	20	-455.0	-18.5	20
-455.0	18.5	20	-435.0	-18.5	20	-435.0	18.5	20	-415.0	-18.5	20	-415.0	18.5	20
-395.0	-18.5	20	-395.0	18.5	20	-375.0	-18.5	20	-375.0	18.5	20	-355.0	-18.5	20
-355.0	18.5	20	-335.0	-18.5	20	-335.0	18.5	20	-315.0	-18.5	20	-315.0	18.5	20
-295.0	-18.5	20	-295.0	18.5	20	-275.0	-18.5	20	-275.0	18.5	20	-255.0	-18.5	20
-255.0	18.5	20	-235.0	-18.5	20	-235.0	18.5	20	-215.0	-18.5	20	-215.0	18.5	20
-195.0	-18.5	20	-195.0	18.5	20	-175.0	-18.5	20	-175.0	18.5	20	-155.0	-18.5	20
-155.0	18.5	20	-135.0	-18.5	20	-135.0	18.5	20	-115.0	-18.5	20	-115.0	18.5	20
-95.0	-18.5	20	-95.0	18.5	20	-75.0	-18.5	20	-75.0	18.5	20	-55.0	-18.5	20
-55.0	18.5	20	-35.0	-18.5	20	-35.0	18.5	20	-15.0	-18.5	20	-15.0	18.5	20

Sezione a quota 185
Coordinate dei vertici

X	Y
-895.0	25.0
-895.0	235.0
-845.0	235.0
-845.0	25.0
900.0	25.0
900.0	235.0
945.0	235.0
945.0	25.0
945.0	-25.0
-895.0	-25.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-875.0	-18.5	20	-855.0	-18.5	20	-835.0	-18.5	20	-815.0	-18.5	20	-795.0	-18.5	20
-775.0	-18.5	20	-755.0	-18.5	20	-735.0	-18.5	20	-715.0	-18.5	20	-695.0	-18.5	20
-675.0	-18.5	20	-655.0	-18.5	20	-635.0	-18.5	20	-615.0	-18.5	20	-595.0	-18.5	20
-575.0	-18.5	20	-555.0	-18.5	20	-535.0	-18.5	20	-515.0	-18.5	20	-495.0	-18.5	20
-475.0	-18.5	20	-455.0	-18.5	20	-435.0	-18.5	20	-415.0	-18.5	20	-395.0	-18.5	20
-375.0	-18.5	20	-355.0	-18.5	20	-335.0	-18.5	20	-315.0	-18.5	20	-295.0	-18.5	20
-275.0	-18.5	20	-255.0	-18.5	20	-235.0	-18.5	20	-215.0	-18.5	20	-195.0	-18.5	20
-175.0	-18.5	20	-155.0	-18.5	20	-135.0	-18.5	20	-115.0	-18.5	20	-95.0	-18.5	20
-75.0	-18.5	20	-55.0	-18.5	20	-35.0	-18.5	20	-15.0	-18.5	20	-875.0	18.5	20
-855.0	18.5	20	-835.0	18.5	20	-815.0	18.5	20	-795.0	18.5	20	-775.0	18.5	20
-755.0	18.5	20	-735.0	18.5	20	-715.0	18.5	20	-695.0	18.5	20	-675.0	18.5	20
-655.0	18.5	20	-635.0	18.5	20	-615.0	18.5	20	-595.0	18.5	20	-575.0	18.5	20
-555.0	18.5	20	-535.0	18.5	20	-515.0	18.5	20	-495.0	18.5	20	-475.0	18.5	20
-455.0	18.5	20	-435.0	18.5	20	-415.0	18.5	20	-395.0	18.5	20	-375.0	18.5	20
-355.0	18.5	20	-335.0	18.5	20	-315.0	18.5	20	-295.0	18.5	20	-275.0	18.5	20
-255.0	18.5	20	-235.0	18.5	20	-215.0	18.5	20	-195.0	18.5	20	-175.0	18.5	20
-155.0	18.5	20	-135.0	18.5	20	-115.0	18.5	20	-95.0	18.5	20	-75.0	18.5	20
-55.0	18.5	20	-35.0	18.5	20	-15.0	18.5	20	-2.5	-18.5	20	-2.5	18.5	20
-47.0	-18.5	20	-47.0	18.5	20	-100.9	-18.5	20	-100.9	18.5	20	-15.0	-18.5	20
-15.0	18.5	20	-26.7	-18.5	20	-26.7	18.5	20	-429.7	-18.5	20	-429.7	18.5	20
-63.4	-18.5	20	-63.4	18.5	20	-875.0	-18.5	20	-875.0	18.5	20	-855.0	-18.5	20
-855.0	18.5	20	-835.0	-18.5	20	-835.0	18.5	20	-815.0	-18.5	20	-815.0	18.5	20
-795.0	-18.5	20	-795.0	18.5	20	-775.0	-18.5	20	-775.0	18.5	20	-755.0	-18.5	20
-755.0	18.5	20	-735.0	-18.5	20	-735.0	18.5	20	-715.0	-18.5	20	-715.0	18.5	20
-695.0	-18.5	20	-695.0	18.5	20	-675.0	-18.5	20	-675.0	18.5	20	-655.0	-18.5	20
-655.0	18.5	20	-635.0	-18.5	20	-635.0	18.5	20	-615.0	-18.5	20	-615.0	18.5	20
-595.0	-18.5	20	-595.0	18.5	20	-575.0	-18.5	20	-575.0	18.5	20	-555.0	-18.5	20
-555.0	18.5	20	-535.0	-18.5	20	-535.0	18.5	20	-515.0	-18.5	20	-515.0	18.5	20
-495.0	-18.5	20	-495.0	18.5	20	-475.0	-18.5	20	-475.0	18.5	20	-455.0	-18.5	20
-455.0	18.5	20	-435.0	-18.5	20	-435.0	18.5	20	-415.0	-18.5	20	-415.0	18.5	20
-395.0	-18.5	20	-395.0	18.5	20	-375.0	-18.5	20	-375.0	18.5	20	-355.0	-18.5	20
-355.0	18.5	20	-335.0	-18.5	20	-335.0	18.5	20	-315.0	-18.5	20	-315.0	18.5	20
-295.0	-18.5	20	-295.0	18.5	20	-275.0	-18.5	20	-275.0	18.5	20	-255.0	-18.5	20
-255.0	18.5	20	-235.0	-18.5	20	-235.0	18.5	20	-215.0	-18.5	20	-215.0	18.5	20
-195.0	-18.5	20	-195.0	18.5	20	-175.0	-18.5	20	-175.0	18.5	20	-155.0	-18.5	20
-155.0	18.5	20	-135.0	-18.5	20	-135.0	18.5	20	-115.0	-18.5	20	-115.0	18.5	20
-95.0	-18.5	20	-95.0	18.5	20	-75.0	-18.5	20	-75.0	18.5	20	-55.0	-18.5	20
-55.0	18.5	20	-35.0	-18.5	20	-35.0	18.5	20	-15.0	-18.5	20	-15.0	18.5	20

Sezione a quota 263
Coordinate dei vertici

X	Y
-895.0	25.0
-895.0	259.3

```
 -845.0    259.3
 -845.0     25.0
  900.0     25.0
  900.0    259.3
  945.0    259.3
  945.0     25.0
  945.0    -25.0
 -895.0    -25.0
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-875.0	-18.5	20	-855.0	-18.5	20	-835.0	-18.5	20	-815.0	-18.5	20	-795.0	-18.5	20
-775.0	-18.5	20	-755.0	-18.5	20	-735.0	-18.5	20	-715.0	-18.5	20	-695.0	-18.5	20
-675.0	-18.5	20	-655.0	-18.5	20	-635.0	-18.5	20	-615.0	-18.5	20	-595.0	-18.5	20
-575.0	-18.5	20	-555.0	-18.5	20	-535.0	-18.5	20	-515.0	-18.5	20	-495.0	-18.5	20
-475.0	-18.5	20	-455.0	-18.5	20	-435.0	-18.5	20	-415.0	-18.5	20	-395.0	-18.5	20
-375.0	-18.5	20	-355.0	-18.5	20	-335.0	-18.5	20	-315.0	-18.5	20	-295.0	-18.5	20
-275.0	-18.5	20	-255.0	-18.5	20	-235.0	-18.5	20	-215.0	-18.5	20	-195.0	-18.5	20
-175.0	-18.5	20	-155.0	-18.5	20	-135.0	-18.5	20	-115.0	-18.5	20	-95.0	-18.5	20
-75.0	-18.5	20	-55.0	-18.5	20	-35.0	-18.5	20	-15.0	-18.5	20	5.0	-18.5	20
25.0	-18.5	20	45.0	-18.5	20	65.0	-18.5	20	85.0	-18.5	20	105.0	-18.5	20
125.0	-18.5	20	145.0	-18.5	20	165.0	-18.5	20	185.0	-18.5	20	205.0	-18.5	20
225.0	-18.5	20	245.0	-18.5	20	265.0	-18.5	20	285.0	-18.5	20	305.0	-18.5	20
325.0	-18.5	20	345.0	-18.5	20	365.0	-18.5	20	385.0	-18.5	20	405.0	-18.5	20
425.0	-18.5	20	445.0	-18.5	20	465.0	-18.5	20	485.0	-18.5	20	505.0	-18.5	20
525.0	-18.5	20	545.0	-18.5	20	565.0	-18.5	20	585.0	-18.5	20	605.0	-18.5	20
625.0	-18.5	20	645.0	-18.5	20	665.0	-18.5	20	685.0	-18.5	20	705.0	-18.5	20
725.0	-18.5	20	745.0	-18.5	20	765.0	-18.5	20	785.0	-18.5	20	805.0	-18.5	20
825.0	-18.5	20	845.0	-18.5	20	865.0	-18.5	20	885.0	-18.5	20	905.0	-18.5	20
925.0	-18.5	20	-875.0	18.5	20	-855.0	18.5	20	-835.0	18.5	20	-815.0	18.5	20
-795.0	18.5	20	-775.0	18.5	20	-755.0	18.5	20	-735.0	18.5	20	-715.0	18.5	20
-695.0	18.5	20	-675.0	18.5	20	-655.0	18.5	20	-635.0	18.5	20	-615.0	18.5	20
-595.0	18.5	20	-575.0	18.5	20	-555.0	18.5	20	-535.0	18.5	20	-515.0	18.5	20
-495.0	18.5	20	-475.0	18.5	20	-455.0	18.5	20	-435.0	18.5	20	-415.0	18.5	20
-395.0	18.5	20	-375.0	18.5	20	-355.0	18.5	20	-335.0	18.5	20	-315.0	18.5	20
-295.0	18.5	20	-275.0	18.5	20	-255.0	18.5	20	-235.0	18.5	20	-215.0	18.5	20
-195.0	18.5	20	-175.0	18.5	20	-155.0	18.5	20	-135.0	18.5	20	-115.0	18.5	20
-95.0	18.5	20	-75.0	18.5	20	-55.0	18.5	20	-35.0	18.5	20	-15.0	18.5	20
5.0	18.5	20	25.0	18.5	20	45.0	18.5	20	65.0	18.5	20	85.0	18.5	20
105.0	18.5	20	125.0	18.5	20	145.0	18.5	20	165.0	18.5	20	185.0	18.5	20
205.0	18.5	20	225.0	18.5	20	245.0	18.5	20	265.0	18.5	20	285.0	18.5	20
305.0	18.5	20	325.0	18.5	20	345.0	18.5	20	365.0	18.5	20	385.0	18.5	20
405.0	18.5	20	425.0	18.5	20	445.0	18.5	20	465.0	18.5	20	485.0	18.5	20
505.0	18.5	20	525.0	18.5	20	545.0	18.5	20	565.0	18.5	20	585.0	18.5	20
605.0	18.5	20	625.0	18.5	20	645.0	18.5	20	665.0	18.5	20	685.0	18.5	20
705.0	18.5	20	725.0	18.5	20	745.0	18.5	20	765.0	18.5	20	785.0	18.5	20
805.0	18.5	20	825.0	18.5	20	845.0	18.5	20	865.0	18.5	20	885.0	18.5	20
905.0	18.5	20	925.0	18.5	20	-2.5	-18.5	20	-2.5	18.5	20	-47.0	-18.5	20
-47.0	18.5	20	-100.9	-18.5	20	-100.9	18.5	20	-15.0	-18.5	20	-15.0	18.5	20
-26.7	-18.5	20	-26.7	18.5	20	-429.7	-18.5	20	-429.7	18.5	20	-63.4	-18.5	20
-63.4	18.5	20	-875.0	-18.5	20	-875.0	18.5	20	-855.0	-18.5	20	-855.0	18.5	20
-835.0	-18.5	20	-835.0	18.5	20	-815.0	-18.5	20	-815.0	18.5	20	-795.0	-18.5	20
-795.0	18.5	20	-775.0	-18.5	20	-775.0	18.5	20	-755.0	-18.5	20	-755.0	18.5	20
-735.0	-18.5	20	-735.0	18.5	20	-715.0	-18.5	20	-715.0	18.5	20	-695.0	-18.5	20
-695.0	18.5	20	-675.0	-18.5	20	-675.0	18.5	20	-655.0	-18.5	20	-655.0	18.5	20
-635.0	-18.5	20	-635.0	18.5	20	-615.0	-18.5	20	-615.0	18.5	20	-595.0	-18.5	20
-595.0	18.5	20	-575.0	-18.5	20	-575.0	18.5	20	-555.0	-18.5	20	-555.0	18.5	20
-535.0	-18.5	20	-535.0	18.5	20	-515.0	-18.5	20	-515.0	18.5	20	-495.0	-18.5	20
-495.0	18.5	20	-475.0	-18.5	20	-475.0	18.5	20	-455.0	-18.5	20	-455.0	18.5	20
-435.0	-18.5	20	-435.0	18.5	20	-415.0	-18.5	20	-415.0	18.5	20	-395.0	-18.5	20
-395.0	18.5	20	-375.0	-18.5	20	-375.0	18.5	20	-355.0	-18.5	20	-355.0	18.5	20
-335.0	-18.5	20	-335.0	18.5	20	-315.0	-18.5	20	-315.0	18.5	20	-295.0	-18.5	20
-295.0	18.5	20	-275.0	-18.5	20	-275.0	18.5	20	-255.0	-18.5	20	-255.0	18.5	20
-235.0	-18.5	20	-235.0	18.5	20	-215.0	-18.5	20	-215.0	18.5	20	-195.0	-18.5	20
-195.0	18.5	20	-175.0	-18.5	20	-175.0	18.5	20	-155.0	-18.5	20	-155.0	18.5	20
-135.0	-18.5	20	-135.0	18.5	20	-115.0	-18.5	20	-115.0	18.5	20	-95.0	-18.5	20
-95.0	18.5	20	-75.0	-18.5	20	-75.0	18.5	20	-55.0	-18.5	20	-55.0	18.5	20
-35.0	-18.5	20	-35.0	18.5	20	-15.0	-18.5	20	-15.0	18.5	20			

Sezione a quota 265
Coordinate dei vertici

```
    X        Y
 -895.0     25.0
 -895.0    258.8
 -845.0    258.8
 -845.0     25.0
  900.0     25.0
  900.0    258.8
  945.0    258.8
  945.0     25.0
  945.0    -25.0
 -895.0    -25.0
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-875.0	-18.5	20	-855.0	-18.5	20	-835.0	-18.5	20	-815.0	-18.5	20	-795.0	-18.5	20
-775.0	-18.5	20	-755.0	-18.5	20	-735.0	-18.5	20	-715.0	-18.5	20	-695.0	-18.5	20
-675.0	-18.5	20	-655.0	-18.5	20	-635.0	-18.5	20	-615.0	-18.5	20	-595.0	-18.5	20
-575.0	-18.5	20	-555.0	-18.5	20	-535.0	-18.5	20	-515.0	-18.5	20	-495.0	-18.5	20
-475.0	-18.5	20	-455.0	-18.5	20	-435.0	-18.5	20	-415.0	-18.5	20	-395.0	-18.5	20
-375.0	-18.5	20	-355.0	-18.5	20	-335.0	-18.5	20	-315.0	-18.5	20	-295.0	-18.5	20
-275.0	-18.5	20	-255.0	-18.5	20	-235.0	-18.5	20	-215.0	-18.5	20	-195.0	-18.5	20
-175.0	-18.5	20	-155.0	-18.5	20	-135.0	-18.5	20	-115.0	-18.5	20	-95.0	-18.5	20
-75.0	-18.5	20	-55.0	-18.5	20	-35.0	-18.5	20	-15.0	-18.5	20	5.0	-18.5	20

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
25.0	-18.5	20	45.0	-18.5	20	65.0	-18.5	20	85.0	-18.5	20	105.0	-18.5	20
125.0	-18.5	20	145.0	-18.5	20	165.0	-18.5	20	185.0	-18.5	20	205.0	-18.5	20
225.0	-18.5	20	245.0	-18.5	20	265.0	-18.5	20	285.0	-18.5	20	305.0	-18.5	20
325.0	-18.5	20	345.0	-18.5	20	365.0	-18.5	20	385.0	-18.5	20	405.0	-18.5	20
425.0	-18.5	20	445.0	-18.5	20	465.0	-18.5	20	485.0	-18.5	20	505.0	-18.5	20
525.0	-18.5	20	545.0	-18.5	20	565.0	-18.5	20	585.0	-18.5	20	605.0	-18.5	20
625.0	-18.5	20	645.0	-18.5	20	665.0	-18.5	20	685.0	-18.5	20	705.0	-18.5	20
725.0	-18.5	20	745.0	-18.5	20	765.0	-18.5	20	785.0	-18.5	20	805.0	-18.5	20
825.0	-18.5	20	845.0	-18.5	20	865.0	-18.5	20	885.0	-18.5	20	905.0	-18.5	20
925.0	-18.5	20	-875.0	18.5	20	-855.0	18.5	20	-835.0	18.5	20	-815.0	18.5	20
-795.0	18.5	20	-775.0	18.5	20	-755.0	18.5	20	-735.0	18.5	20	-715.0	18.5	20
-695.0	18.5	20	-675.0	18.5	20	-655.0	18.5	20	-635.0	18.5	20	-615.0	18.5	20
-595.0	18.5	20	-575.0	18.5	20	-555.0	18.5	20	-535.0	18.5	20	-515.0	18.5	20
-495.0	18.5	20	-475.0	18.5	20	-455.0	18.5	20	-435.0	18.5	20	-415.0	18.5	20
-395.0	18.5	20	-375.0	18.5	20	-355.0	18.5	20	-335.0	18.5	20	-315.0	18.5	20
-295.0	18.5	20	-275.0	18.5	20	-255.0	18.5	20	-235.0	18.5	20	-215.0	18.5	20
-195.0	18.5	20	-175.0	18.5	20	-155.0	18.5	20	-135.0	18.5	20	-115.0	18.5	20
-95.0	18.5	20	-75.0	18.5	20	-55.0	18.5	20	-35.0	18.5	20	-15.0	18.5	20
5.0	18.5	20	25.0	18.5	20	45.0	18.5	20	65.0	18.5	20	85.0	18.5	20
105.0	18.5	20	125.0	18.5	20	145.0	18.5	20	165.0	18.5	20	185.0	18.5	20
205.0	18.5	20	225.0	18.5	20	245.0	18.5	20	265.0	18.5	20	285.0	18.5	20
305.0	18.5	20	325.0	18.5	20	345.0	18.5	20	365.0	18.5	20	385.0	18.5	20
405.0	18.5	20	425.0	18.5	20	445.0	18.5	20	465.0	18.5	20	485.0	18.5	20
505.0	18.5	20	525.0	18.5	20	545.0	18.5	20	565.0	18.5	20	585.0	18.5	20
605.0	18.5	20	625.0	18.5	20	645.0	18.5	20	665.0	18.5	20	685.0	18.5	20
705.0	18.5	20	725.0	18.5	20	745.0	18.5	20	765.0	18.5	20	785.0	18.5	20
805.0	18.5	20	825.0	18.5	20	845.0	18.5	20	865.0	18.5	20	885.0	18.5	20
905.0	18.5	20	925.0	18.5	20	-2.5	-18.5	20	-2.5	18.5	20	-47.0	-18.5	20
-47.0	18.5	20	-100.9	-18.5	20	-100.9	18.5	20	-15.0	-18.5	20	-15.0	18.5	20
-26.7	-18.5	20	-26.7	18.5	20	-429.7	-18.5	20	-429.7	18.5	20	-63.4	-18.5	20
-63.4	18.5	20	-875.0	-18.5	20	-875.0	18.5	20	-855.0	-18.5	20	-855.0	18.5	20
-835.0	-18.5	20	-835.0	18.5	20	-815.0	-18.5	20	-815.0	18.5	20	-795.0	-18.5	20
-795.0	18.5	20	-775.0	-18.5	20	-775.0	18.5	20	-755.0	-18.5	20	-755.0	18.5	20
-735.0	-18.5	20	-735.0	18.5	20	-715.0	-18.5	20	-715.0	18.5	20	-695.0	-18.5	20
-695.0	18.5	20	-675.0	-18.5	20	-675.0	18.5	20	-655.0	-18.5	20	-655.0	18.5	20
-635.0	-18.5	20	-635.0	18.5	20	-615.0	-18.5	20	-615.0	18.5	20	-595.0	-18.5	20
-595.0	18.5	20	-575.0	-18.5	20	-575.0	18.5	20	-555.0	-18.5	20	-555.0	18.5	20
-535.0	-18.5	20	-535.0	18.5	20	-515.0	-18.5	20	-515.0	18.5	20	-495.0	-18.5	20
-495.0	18.5	20	-475.0	-18.5	20	-475.0	18.5	20	-455.0	-18.5	20	-455.0	18.5	20
-435.0	-18.5	20	-435.0	18.5	20	-415.0	-18.5	20	-415.0	18.5	20	-395.0	-18.5	20
-395.0	18.5	20	-375.0	-18.5	20	-375.0	18.5	20	-355.0	-18.5	20	-355.0	18.5	20
-335.0	-18.5	20	-335.0	18.5	20	-315.0	-18.5	20	-315.0	18.5	20	-295.0	-18.5	20
-295.0	18.5	20	-275.0	-18.5	20	-275.0	18.5	20	-255.0	-18.5	20	-255.0	18.5	20
-235.0	-18.5	20	-235.0	18.5	20	-215.0	-18.5	20	-215.0	18.5	20	-195.0	-18.5	20
-195.0	18.5	20	-175.0	-18.5	20	-175.0	18.5	20	-155.0	-18.5	20	-155.0	18.5	20
-135.0	-18.5	20	-135.0	18.5	20	-115.0	-18.5	20	-115.0	18.5	20	-95.0	-18.5	20
-95.0	18.5	20	-75.0	-18.5	20	-75.0	18.5	20	-55.0	-18.5	20	-55.0	18.5	20
-35.0	-18.5	20	-35.0	18.5	20	-15.0	-18.5	20	-15.0	18.5	20			

Sezione a quota 267
Coordinate dei vertici

X	Y
-895.0	25.0
-895.0	258.3
-845.0	258.3
-845.0	25.0
900.0	25.0
900.0	258.3
945.0	258.3
945.0	25.0
945.0	-25.0
-895.0	-25.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-875.0	-18.5	20	-855.0	-18.5	20	-835.0	-18.5	20	-815.0	-18.5	20	-795.0	-18.5	20			
-775.0	-18.5	20	-755.0	-18.5	20	-735.0	-18.5	20	-715.0	-18.5	20	-695.0	-18.5	20			
-675.0	-18.5	20	-655.0	-18.5	20	-635.0	-18.5	20	-615.0	-18.5	20	-595.0	-18.5	20			
-575.0	-18.5	20	-555.0	-18.5	20	-535.0	-18.5	20	-515.0	-18.5	20	-495.0	-18.5	20			
-475.0	-18.5	20	-455.0	-18.5	20	-435.0	-18.5	20	-415.0	-18.5	20	-395.0	-18.5	20			
-375.0	-18.5	20	-355.0	-18.5	20	-335.0	-18.5	20	-315.0	-18.5	20	-295.0	-18.5	20			
-275.0	-18.5	20	-255.0	-18.5	20	-235.0	-18.5	20	-215.0	-18.5	20	-195.0	-18.5	20			
-175.0	-18.5	20	-155.0	-18.5	20	-135.0	-18.5	20	-115.0	-18.5	20	-95.0	-18.5	20			
-75.0	-18.5	20	-55.0	-18.5	20	-35.0	-18.5	20	-15.0	-18.5	20	5.0	-18.5	20			
25.0	-18.5	20	45.0	-18.5	20	65.0	-18.5	20	85.0	-18.5	20	105.0	-18.5	20			
125.0	-18.5	20	145.0	-18.5	20	165.0	-18.5	20	185.0	-18.5	20	205.0	-18.5	20			
225.0	-18.5	20	245.0	-18.5	20	265.0	-18.5	20	285.0	-18.5	20	305.0	-18.5	20			
325.0	-18.5	20	345.0	-18.5	20	365.0	-18.5	20	385.0	-18.5	20	405.0	-18.5	20			
425.0	-18.5	20	445.0	-18.5	20	465.0	-18.5	20	485.0	-18.5	20	505.0	-18.5	20			
525.0	-18.5	20	545.0	-18.5	20	565.0	-18.5	20	585.0	-18.5	20	605.0	-18.5	20			
625.0	-18.5	20	645.0	-18.5	20	665.0	-18.5	20	685.0	-18.5	20	705.0	-18.5	20			
725.0	-18.5	20	745.0	-18.5	20	765.0	-18.5	20	785.0	-18.5	20	805.0	-18.5	20			
825.0	-18.5	20	845.0	-18.5	20	865.0	-18.5	20	885.0	-18.5	20	905.0	-18.5	20			
925.0	-18.5	20	-875.0	18.5	20	-855.0	18.5	20	-835.0	18.5	20	-815.0	18.5	20			
-795.0	18.5	20	-775.0	18.5	20	-755.0	18.5	20	-735.0	18.5	20	-715.0	18.5	20			
-695.0	18.5	20	-675.0	18.5	20	-655.0	18.5	20	-635.0	18.5	20	-615.0	18.5	20			
-595.0	18.5	20	-575.0	18.5	20	-555.0	18.5	20	-535.0	18.5	20	-515.0	18.5	20			
-495.0	18.5	20	-475.0	18.5	20	-455.0	18.5	20	-435.0	18.5	20	-415.0	18.5	20			
-395.0	18.5	20	-375.0	18.5	20	-355.0	18.5	20	-335.0	18.5	20	-315.0	18.5	20			
-295.0	18.5	20	-275.0	18.5	20	-255.0	18.5	20	-235.0	18.5	20	-215.0	18.5	20			
-195.0	18.5	20	-175.0	18.5	20	-155.0	18.5	20	-135.0	18.5	20	-115.0	18.5	20			
-95.0	18.5	20	-75.0	18.5	20	-55.0	18.5	20	-35.0	18.5	20	-15.0	18.5	20			
5.0	18.5	20	25.0	18.5	20	45.0	18.5	20	65.0	18.5	20	85.0	18.5	20			
105.0	18.5	20	125.0	18.5	20	145.0	18.5	20	165.0	18.5	20	185.0	18.5	20			

205.0	18.5	20	225.0	18.5	20	245.0	18.5	20	265.0	18.5	20	285.0	18.5	20
305.0	18.5	20	325.0	18.5	20	345.0	18.5	20	365.0	18.5	20	385.0	18.5	20
405.0	18.5	20	425.0	18.5	20	445.0	18.5	20	465.0	18.5	20	485.0	18.5	20
505.0	18.5	20	525.0	18.5	20	545.0	18.5	20	565.0	18.5	20	585.0	18.5	20
605.0	18.5	20	625.0	18.5	20	645.0	18.5	20	665.0	18.5	20	685.0	18.5	20
705.0	18.5	20	725.0	18.5	20	745.0	18.5	20	765.0	18.5	20	785.0	18.5	20
805.0	18.5	20	825.0	18.5	20	845.0	18.5	20	865.0	18.5	20	885.0	18.5	20
905.0	18.5	20	925.0	18.5	20	-2.5	-18.5	20	-2.5	18.5	20	-47.0	-18.5	20
-47.0	18.5	20	-100.9	-18.5	20	-100.9	18.5	20	-15.0	-18.5	20	-15.0	18.5	20
-26.7	-18.5	20	-26.7	18.5	20	-429.7	-18.5	20	-429.7	18.5	20	-63.4	-18.5	20
-63.4	18.5	20	-875.0	-18.5	20	-875.0	18.5	20	-855.0	-18.5	20	-855.0	18.5	20
-835.0	-18.5	20	-835.0	18.5	20	-815.0	-18.5	20	-815.0	18.5	20	-795.0	-18.5	20
-795.0	18.5	20	-775.0	-18.5	20	-775.0	18.5	20	-755.0	-18.5	20	-755.0	18.5	20
-735.0	-18.5	20	-735.0	18.5	20	-715.0	-18.5	20	-715.0	18.5	20	-695.0	-18.5	20
-695.0	18.5	20	-675.0	-18.5	20	-675.0	18.5	20	-655.0	-18.5	20	-655.0	18.5	20
-635.0	-18.5	20	-635.0	18.5	20	-615.0	-18.5	20	-615.0	18.5	20	-595.0	-18.5	20
-595.0	18.5	20	-575.0	-18.5	20	-575.0	18.5	20	-555.0	-18.5	20	-555.0	18.5	20
-535.0	-18.5	20	-535.0	18.5	20	-515.0	-18.5	20	-515.0	18.5	20	-495.0	-18.5	20
-495.0	18.5	20	-475.0	-18.5	20	-475.0	18.5	20	-455.0	-18.5	20	-455.0	18.5	20
-435.0	-18.5	20	-435.0	18.5	20	-415.0	-18.5	20	-415.0	18.5	20	-395.0	-18.5	20
-395.0	18.5	20	-375.0	-18.5	20	-375.0	18.5	20	-355.0	-18.5	20	-355.0	18.5	20
-335.0	-18.5	20	-335.0	18.5	20	-315.0	-18.5	20	-315.0	18.5	20	-295.0	-18.5	20
-295.0	18.5	20	-275.0	-18.5	20	-275.0	18.5	20	-255.0	-18.5	20	-255.0	18.5	20
-235.0	-18.5	20	-235.0	18.5	20	-215.0	-18.5	20	-215.0	18.5	20	-195.0	-18.5	20
-195.0	18.5	20	-175.0	-18.5	20	-175.0	18.5	20	-155.0	-18.5	20	-155.0	18.5	20
-135.0	-18.5	20	-135.0	18.5	20	-115.0	-18.5	20	-115.0	18.5	20	-95.0	-18.5	20
-95.0	18.5	20	-75.0	-18.5	20	-75.0	18.5	20	-55.0	-18.5	20	-55.0	18.5	20
-35.0	-18.5	20	-35.0	18.5	20	-15.0	-18.5	20	-15.0	18.5	20			

Sezione a quota 269
Coordinate dei vertici

X	Y
-895.0	25.0
-895.0	257.8
-845.0	257.8
-845.0	25.0
900.0	25.0
900.0	257.8
945.0	257.8
945.0	25.0
945.0	-25.0
-895.0	-25.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-875.0	-18.5	20	-855.0	-18.5	20	-835.0	-18.5	20	-815.0	-18.5	20	-795.0	-18.5	20
-775.0	-18.5	20	-755.0	-18.5	20	-735.0	-18.5	20	-715.0	-18.5	20	-695.0	-18.5	20
-675.0	-18.5	20	-655.0	-18.5	20	-635.0	-18.5	20	-615.0	-18.5	20	-595.0	-18.5	20
-575.0	-18.5	20	-555.0	-18.5	20	-535.0	-18.5	20	-515.0	-18.5	20	-495.0	-18.5	20
-475.0	-18.5	20	-455.0	-18.5	20	-435.0	-18.5	20	-415.0	-18.5	20	-395.0	-18.5	20
-375.0	-18.5	20	-355.0	-18.5	20	-335.0	-18.5	20	-315.0	-18.5	20	-295.0	-18.5	20
-275.0	-18.5	20	-255.0	-18.5	20	-235.0	-18.5	20	-215.0	-18.5	20	-195.0	-18.5	20
-175.0	-18.5	20	-155.0	-18.5	20	-135.0	-18.5	20	-115.0	-18.5	20	-95.0	-18.5	20
-75.0	-18.5	20	-55.0	-18.5	20	-35.0	-18.5	20	-15.0	-18.5	20	5.0	-18.5	20
25.0	-18.5	20	45.0	-18.5	20	65.0	-18.5	20	85.0	-18.5	20	105.0	-18.5	20
125.0	-18.5	20	145.0	-18.5	20	165.0	-18.5	20	185.0	-18.5	20	205.0	-18.5	20
225.0	-18.5	20	245.0	-18.5	20	265.0	-18.5	20	285.0	-18.5	20	305.0	-18.5	20
325.0	-18.5	20	345.0	-18.5	20	365.0	-18.5	20	385.0	-18.5	20	405.0	-18.5	20
425.0	-18.5	20	445.0	-18.5	20	465.0	-18.5	20	485.0	-18.5	20	505.0	-18.5	20
525.0	-18.5	20	545.0	-18.5	20	565.0	-18.5	20	585.0	-18.5	20	605.0	-18.5	20
625.0	-18.5	20	645.0	-18.5	20	665.0	-18.5	20	685.0	-18.5	20	705.0	-18.5	20
725.0	-18.5	20	745.0	-18.5	20	765.0	-18.5	20	785.0	-18.5	20	805.0	-18.5	20
825.0	-18.5	20	845.0	-18.5	20	865.0	-18.5	20	885.0	-18.5	20	905.0	-18.5	20
925.0	-18.5	20	-875.0	18.5	20	-855.0	18.5	20	-835.0	18.5	20	-815.0	18.5	20
-795.0	18.5	20	-775.0	18.5	20	-755.0	18.5	20	-735.0	18.5	20	-715.0	18.5	20
-695.0	18.5	20	-675.0	18.5	20	-655.0	18.5	20	-635.0	18.5	20	-615.0	18.5	20
-595.0	18.5	20	-575.0	18.5	20	-555.0	18.5	20	-535.0	18.5	20	-515.0	18.5	20
-495.0	18.5	20	-475.0	18.5	20	-455.0	18.5	20	-435.0	18.5	20	-415.0	18.5	20
-395.0	18.5	20	-375.0	18.5	20	-355.0	18.5	20	-335.0	18.5	20	-315.0	18.5	20
-295.0	18.5	20	-275.0	18.5	20	-255.0	18.5	20	-235.0	18.5	20	-215.0	18.5	20
-195.0	18.5	20	-175.0	18.5	20	-155.0	18.5	20	-135.0	18.5	20	-115.0	18.5	20
-95.0	18.5	20	-75.0	18.5	20	-55.0	18.5	20	-35.0	18.5	20	-15.0	18.5	20
5.0	18.5	20	25.0	18.5	20	45.0	18.5	20	65.0	18.5	20	85.0	18.5	20
105.0	18.5	20	125.0	18.5	20	145.0	18.5	20	165.0	18.5	20	185.0	18.5	20
205.0	18.5	20	225.0	18.5	20	245.0	18.5	20	265.0	18.5	20	285.0	18.5	20
305.0	18.5	20	325.0	18.5	20	345.0	18.5	20	365.0	18.5	20	385.0	18.5	20
405.0	18.5	20	425.0	18.5	20	445.0	18.5	20	465.0	18.5	20	485.0	18.5	20
505.0	18.5	20	525.0	18.5	20	545.0	18.5	20	565.0	18.5	20	585.0	18.5	20
605.0	18.5	20	625.0	18.5	20	645.0	18.5	20	665.0	18.5	20	685.0	18.5	20
705.0	18.5	20	725.0	18.5	20	745.0	18.5	20	765.0	18.5	20	785.0	18.5	20
805.0	18.5	20	825.0	18.5	20	845.0	18.5	20	865.0	18.5	20	885.0	18.5	20
905.0	18.5	20	925.0	18.5	20	-2.5	-18.5	20	-2.5	18.5	20	-47.0	-18.5	20
-47.0	18.5	20	-100.9	-18.5	20	-100.9	18.5	20	-15.0	-18.5	20	-15.0	18.5	20
-26.7	-18.5	20	-26.7	18.5	20	-429.7	-18.5	20	-429.7	18.5	20	-63.4	-18.5	20
-63.4	18.5	20	-875.0	-18.5	20	-875.0	18.5	20	-855.0	-18.5	20	-855.0	18.5	20
-835.0	-18.5	20	-835.0	18.5	20	-815.0	-18.5	20	-815.0	18.5	20	-795.0	-18.5	20
-795.0	18.5	20	-775.0	-18.5	20	-775.0	18.5	20	-755.0	-18.5	20	-755.0	18.5	20
-735.0	-18.5	20	-735.0	18.5	20	-715.0	-18.5	20	-715.0	18.5	20	-695.0	-18.5	20
-695.0	18.5	20	-675.0	-18.5	20	-675.0	18.5	20	-655.0	-18.5	20	-655.0	18.5	20
-635.0	-18.5	20	-635.0	18.5	20	-615.0	-18.5	20	-615.0	18.5	20	-595.0	-18.5	20
-595.0	18.5	20	-575.0	-18.5	20	-575.0	18.5	20	-555.0	-18.5	20	-555.0	18.5	20
-535.0	-18.5	20	-535.0	18.5	20	-515.0	-18.5	20	-515.0	18.5	20	-495.0	-18.5	20
-495.0	18.5	20	-475.0	-18.5	20	-475.0	18.5	20	-455.0	-18.5	20	-455.0	18.5	20
-435.0	-18.5	20	-435.0	18.5	20	-415.0	-18.5	20	-415.0	18.5	20	-395.0	-18.5	20

-395.0	18.5	20	-375.0	-18.5	20	-375.0	18.5	20	-355.0	-18.5	20	-355.0	18.5	20
-335.0	-18.5	20	-335.0	18.5	20	-315.0	-18.5	20	-315.0	18.5	20	-295.0	-18.5	20
-295.0	18.5	20	-275.0	-18.5	20	-275.0	18.5	20	-255.0	-18.5	20	-255.0	18.5	20
-235.0	-18.5	20	-235.0	18.5	20	-215.0	-18.5	20	-215.0	18.5	20	-195.0	-18.5	20
-195.0	18.5	20	-175.0	-18.5	20	-175.0	18.5	20	-155.0	-18.5	20	-155.0	18.5	20
-135.0	-18.5	20	-135.0	18.5	20	-115.0	-18.5	20	-115.0	18.5	20	-95.0	-18.5	20
-95.0	18.5	20	-75.0	-18.5	20	-75.0	18.5	20	-55.0	-18.5	20	-55.0	18.5	20
-35.0	-18.5	20	-35.0	18.5	20	-15.0	-18.5	20	-15.0	18.5	20			

Sezione a quota 271
Coordinate dei vertici

X	Y
-895.0	25.0
-895.0	257.3
-845.0	257.3
-845.0	25.0
900.0	25.0
900.0	257.3
945.0	257.3
945.0	25.0
945.0	-25.0
-895.0	-25.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-875.0	-18.5	20	-855.0	-18.5	20	-835.0	-18.5	20	-815.0	-18.5	20	-795.0	-18.5	20
-775.0	-18.5	20	-755.0	-18.5	20	-735.0	-18.5	20	-715.0	-18.5	20	-695.0	-18.5	20
-675.0	-18.5	20	-655.0	-18.5	20	-635.0	-18.5	20	-615.0	-18.5	20	-595.0	-18.5	20
-575.0	-18.5	20	-555.0	-18.5	20	-535.0	-18.5	20	-515.0	-18.5	20	-495.0	-18.5	20
-475.0	-18.5	20	-455.0	-18.5	20	-435.0	-18.5	20	-415.0	-18.5	20	-395.0	-18.5	20
-375.0	-18.5	20	-355.0	-18.5	20	-335.0	-18.5	20	-315.0	-18.5	20	-295.0	-18.5	20
-275.0	-18.5	20	-255.0	-18.5	20	-235.0	-18.5	20	-215.0	-18.5	20	-195.0	-18.5	20
-175.0	-18.5	20	-155.0	-18.5	20	-135.0	-18.5	20	-115.0	-18.5	20	-95.0	-18.5	20
-75.0	-18.5	20	-55.0	-18.5	20	-35.0	-18.5	20	-15.0	-18.5	20	5.0	-18.5	20
25.0	-18.5	20	45.0	-18.5	20	65.0	-18.5	20	85.0	-18.5	20	105.0	-18.5	20
125.0	-18.5	20	145.0	-18.5	20	165.0	-18.5	20	185.0	-18.5	20	205.0	-18.5	20
225.0	-18.5	20	245.0	-18.5	20	265.0	-18.5	20	285.0	-18.5	20	305.0	-18.5	20
325.0	-18.5	20	345.0	-18.5	20	365.0	-18.5	20	385.0	-18.5	20	405.0	-18.5	20
425.0	-18.5	20	445.0	-18.5	20	465.0	-18.5	20	485.0	-18.5	20	505.0	-18.5	20
525.0	-18.5	20	545.0	-18.5	20	565.0	-18.5	20	585.0	-18.5	20	605.0	-18.5	20
625.0	-18.5	20	645.0	-18.5	20	665.0	-18.5	20	685.0	-18.5	20	705.0	-18.5	20
725.0	-18.5	20	745.0	-18.5	20	765.0	-18.5	20	785.0	-18.5	20	805.0	-18.5	20
825.0	-18.5	20	845.0	-18.5	20	865.0	-18.5	20	885.0	-18.5	20	905.0	-18.5	20
925.0	-18.5	20	-875.0	18.5	20	-855.0	18.5	20	-835.0	18.5	20	-815.0	18.5	20
-795.0	18.5	20	-775.0	18.5	20	-755.0	18.5	20	-735.0	18.5	20	-715.0	18.5	20
-695.0	18.5	20	-675.0	18.5	20	-655.0	18.5	20	-635.0	18.5	20	-615.0	18.5	20
-595.0	18.5	20	-575.0	18.5	20	-555.0	18.5	20	-535.0	18.5	20	-515.0	18.5	20
-495.0	18.5	20	-475.0	18.5	20	-455.0	18.5	20	-435.0	18.5	20	-415.0	18.5	20
-395.0	18.5	20	-375.0	18.5	20	-355.0	18.5	20	-335.0	18.5	20	-315.0	18.5	20
-295.0	18.5	20	-275.0	18.5	20	-255.0	18.5	20	-235.0	18.5	20	-215.0	18.5	20
-195.0	18.5	20	-175.0	18.5	20	-155.0	18.5	20	-135.0	18.5	20	-115.0	18.5	20
-95.0	18.5	20	-75.0	18.5	20	-55.0	18.5	20	-35.0	18.5	20	-15.0	18.5	20
5.0	18.5	20	25.0	18.5	20	45.0	18.5	20	65.0	18.5	20	85.0	18.5	20
105.0	18.5	20	125.0	18.5	20	145.0	18.5	20	165.0	18.5	20	185.0	18.5	20
205.0	18.5	20	225.0	18.5	20	245.0	18.5	20	265.0	18.5	20	285.0	18.5	20
305.0	18.5	20	325.0	18.5	20	345.0	18.5	20	365.0	18.5	20	385.0	18.5	20
405.0	18.5	20	425.0	18.5	20	445.0	18.5	20	465.0	18.5	20	485.0	18.5	20
505.0	18.5	20	525.0	18.5	20	545.0	18.5	20	565.0	18.5	20	585.0	18.5	20
605.0	18.5	20	625.0	18.5	20	645.0	18.5	20	665.0	18.5	20	685.0	18.5	20
705.0	18.5	20	725.0	18.5	20	745.0	18.5	20	765.0	18.5	20	785.0	18.5	20
805.0	18.5	20	825.0	18.5	20	845.0	18.5	20	865.0	18.5	20	885.0	18.5	20
905.0	18.5	20	925.0	18.5	20	-2.5	-18.5	20	-2.5	18.5	20	-47.0	-18.5	20
-47.0	18.5	20	-100.9	-18.5	20	-100.9	18.5	20	-15.0	-18.5	20	-15.0	18.5	20
-26.7	-18.5	20	-26.7	18.5	20	-429.7	-18.5	20	-429.7	18.5	20	-63.4	-18.5	20
-63.4	18.5	20	-875.0	-18.5	20	-875.0	18.5	20	-855.0	-18.5	20	-855.0	18.5	20
-835.0	-18.5	20	-835.0	18.5	20	-815.0	-18.5	20	-815.0	18.5	20	-795.0	-18.5	20
-795.0	18.5	20	-775.0	-18.5	20	-775.0	18.5	20	-755.0	-18.5	20	-755.0	18.5	20
-735.0	-18.5	20	-735.0	18.5	20	-715.0	-18.5	20	-715.0	18.5	20	-695.0	-18.5	20
-695.0	18.5	20	-675.0	-18.5	20	-675.0	18.5	20	-655.0	-18.5	20	-655.0	18.5	20
-635.0	-18.5	20	-635.0	18.5	20	-615.0	-18.5	20	-615.0	18.5	20	-595.0	-18.5	20
-595.0	18.5	20	-575.0	-18.5	20	-575.0	18.5	20	-555.0	-18.5	20	-555.0	18.5	20
-535.0	-18.5	20	-535.0	18.5	20	-515.0	-18.5	20	-515.0	18.5	20	-495.0	-18.5	20
-495.0	18.5	20	-475.0	-18.5	20	-475.0	18.5	20	-455.0	-18.5	20	-455.0	18.5	20
-435.0	-18.5	20	-435.0	18.5	20	-415.0	-18.5	20	-415.0	18.5	20	-395.0	-18.5	20
-395.0	18.5	20	-375.0	-18.5	20	-375.0	18.5	20	-355.0	-18.5	20	-355.0	18.5	20
-335.0	-18.5	20	-335.0	18.5	20	-315.0	-18.5	20	-315.0	18.5	20	-295.0	-18.5	20
-295.0	18.5	20	-275.0	-18.5	20	-275.0	18.5	20	-255.0	-18.5	20	-255.0	18.5	20
-235.0	-18.5	20	-235.0	18.5	20	-215.0	-18.5	20	-215.0	18.5	20	-195.0	-18.5	20
-195.0	18.5	20	-175.0	-18.5	20	-175.0	18.5	20	-155.0	-18.5	20	-155.0	18.5	20
-135.0	-18.5	20	-135.0	18.5	20	-115.0	-18.5	20	-115.0	18.5	20	-95.0	-18.5	20
-95.0	18.5	20	-75.0	-18.5	20	-75.0	18.5	20	-55.0	-18.5	20	-55.0	18.5	20
-35.0	-18.5	20	-35.0	18.5	20	-15.0	-18.5	20	-15.0	18.5	20			

Sezione a quota 433
Coordinate dei vertici

X	Y
-895.0	25.0
-895.0	216.9
-845.0	216.9
-845.0	25.0
900.0	25.0
900.0	216.9
945.0	216.9
945.0	25.0

```
 945.0   -25.0
-895.0   -25.0
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-875.0	-18.5	20	-855.0	-18.5	20	-835.0	-18.5	20	-815.0	-18.5	20	-795.0	-18.5	20
-775.0	-18.5	20	-755.0	-18.5	20	-735.0	-18.5	20	-715.0	-18.5	20	-695.0	-18.5	20
-675.0	-18.5	20	-655.0	-18.5	20	-635.0	-18.5	20	-615.0	-18.5	20	-595.0	-18.5	20
-575.0	-18.5	20	-555.0	-18.5	20	-535.0	-18.5	20	-515.0	-18.5	20	-495.0	-18.5	20
-475.0	-18.5	20	-455.0	-18.5	20	-435.0	-18.5	20	-415.0	-18.5	20	-395.0	-18.5	20
-375.0	-18.5	20	-355.0	-18.5	20	-335.0	-18.5	20	-315.0	-18.5	20	-295.0	-18.5	20
-275.0	-18.5	20	-255.0	-18.5	20	-235.0	-18.5	20	-215.0	-18.5	20	-195.0	-18.5	20
-175.0	-18.5	20	-155.0	-18.5	20	-135.0	-18.5	20	-115.0	-18.5	20	-95.0	-18.5	20
-75.0	-18.5	20	-55.0	-18.5	20	-35.0	-18.5	20	-15.0	-18.5	20	5.0	-18.5	20
25.0	-18.5	20	45.0	-18.5	20	65.0	-18.5	20	85.0	-18.5	20	105.0	-18.5	20
125.0	-18.5	20	145.0	-18.5	20	165.0	-18.5	20	185.0	-18.5	20	205.0	-18.5	20
225.0	-18.5	20	245.0	-18.5	20	265.0	-18.5	20	285.0	-18.5	20	305.0	-18.5	20
325.0	-18.5	20	345.0	-18.5	20	365.0	-18.5	20	385.0	-18.5	20	405.0	-18.5	20
425.0	-18.5	20	445.0	-18.5	20	465.0	-18.5	20	485.0	-18.5	20	505.0	-18.5	20
525.0	-18.5	20	545.0	-18.5	20	565.0	-18.5	20	585.0	-18.5	20	605.0	-18.5	20
625.0	-18.5	20	645.0	-18.5	20	665.0	-18.5	20	685.0	-18.5	20	705.0	-18.5	20
725.0	-18.5	20	745.0	-18.5	20	765.0	-18.5	20	785.0	-18.5	20	805.0	-18.5	20
825.0	-18.5	20	845.0	-18.5	20	865.0	-18.5	20	885.0	-18.5	20	905.0	-18.5	20
925.0	-18.5	20	-875.0	18.5	20	-855.0	18.5	20	-835.0	18.5	20	-815.0	18.5	20
-795.0	18.5	20	-775.0	18.5	20	-755.0	18.5	20	-735.0	18.5	20	-715.0	18.5	20
-695.0	18.5	20	-675.0	18.5	20	-655.0	18.5	20	-635.0	18.5	20	-615.0	18.5	20
-595.0	18.5	20	-575.0	18.5	20	-555.0	18.5	20	-535.0	18.5	20	-515.0	18.5	20
-495.0	18.5	20	-475.0	18.5	20	-455.0	18.5	20	-435.0	18.5	20	-415.0	18.5	20
-395.0	18.5	20	-375.0	18.5	20	-355.0	18.5	20	-335.0	18.5	20	-315.0	18.5	20
-295.0	18.5	20	-275.0	18.5	20	-255.0	18.5	20	-235.0	18.5	20	-215.0	18.5	20
-195.0	18.5	20	-175.0	18.5	20	-155.0	18.5	20	-135.0	18.5	20	-115.0	18.5	20
-95.0	18.5	20	-75.0	18.5	20	-55.0	18.5	20	-35.0	18.5	20	-15.0	18.5	20
5.0	18.5	20	25.0	18.5	20	45.0	18.5	20	65.0	18.5	20	85.0	18.5	20
105.0	18.5	20	125.0	18.5	20	145.0	18.5	20	165.0	18.5	20	185.0	18.5	20
205.0	18.5	20	225.0	18.5	20	245.0	18.5	20	265.0	18.5	20	285.0	18.5	20
305.0	18.5	20	325.0	18.5	20	345.0	18.5	20	365.0	18.5	20	385.0	18.5	20
405.0	18.5	20	425.0	18.5	20	445.0	18.5	20	465.0	18.5	20	485.0	18.5	20
505.0	18.5	20	525.0	18.5	20	545.0	18.5	20	565.0	18.5	20	585.0	18.5	20
605.0	18.5	20	625.0	18.5	20	645.0	18.5	20	665.0	18.5	20	685.0	18.5	20
705.0	18.5	20	725.0	18.5	20	745.0	18.5	20	765.0	18.5	20	785.0	18.5	20
805.0	18.5	20	825.0	18.5	20	845.0	18.5	20	865.0	18.5	20	885.0	18.5	20
905.0	18.5	20	925.0	18.5	20									

Sezione a quota 594
Coordinate dei vertici

```
    X      Y
-895.0   25.0
-895.0  176.5
-845.0  176.5
-845.0   25.0
 900.0   25.0
 900.0  176.5
 945.0  176.5
 945.0   25.0
 945.0  -25.0
-895.0  -25.0
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-875.0	-18.5	20	-855.0	-18.5	20	-835.0	-18.5	20	-815.0	-18.5	20	-795.0	-18.5	20
-775.0	-18.5	20	-755.0	-18.5	20	-735.0	-18.5	20	-715.0	-18.5	20	-695.0	-18.5	20
-675.0	-18.5	20	-655.0	-18.5	20	-635.0	-18.5	20	-615.0	-18.5	20	-595.0	-18.5	20
-575.0	-18.5	20	-555.0	-18.5	20	-535.0	-18.5	20	-515.0	-18.5	20	-495.0	-18.5	20
-475.0	-18.5	20	-455.0	-18.5	20	-435.0	-18.5	20	-415.0	-18.5	20	-395.0	-18.5	20
-375.0	-18.5	20	-355.0	-18.5	20	-335.0	-18.5	20	-315.0	-18.5	20	-295.0	-18.5	20
-275.0	-18.5	20	-255.0	-18.5	20	-235.0	-18.5	20	-215.0	-18.5	20	-195.0	-18.5	20
-175.0	-18.5	20	-155.0	-18.5	20	-135.0	-18.5	20	-115.0	-18.5	20	-95.0	-18.5	20
-75.0	-18.5	20	-55.0	-18.5	20	-35.0	-18.5	20	-15.0	-18.5	20	5.0	-18.5	20
25.0	-18.5	20	45.0	-18.5	20	65.0	-18.5	20	85.0	-18.5	20	105.0	-18.5	20
125.0	-18.5	20	145.0	-18.5	20	165.0	-18.5	20	185.0	-18.5	20	205.0	-18.5	20
225.0	-18.5	20	245.0	-18.5	20	265.0	-18.5	20	285.0	-18.5	20	305.0	-18.5	20
325.0	-18.5	20	345.0	-18.5	20	365.0	-18.5	20	385.0	-18.5	20	405.0	-18.5	20
425.0	-18.5	20	445.0	-18.5	20	465.0	-18.5	20	485.0	-18.5	20	505.0	-18.5	20
525.0	-18.5	20	545.0	-18.5	20	565.0	-18.5	20	585.0	-18.5	20	605.0	-18.5	20
625.0	-18.5	20	645.0	-18.5	20	665.0	-18.5	20	685.0	-18.5	20	705.0	-18.5	20
725.0	-18.5	20	745.0	-18.5	20	765.0	-18.5	20	785.0	-18.5	20	805.0	-18.5	20
825.0	-18.5	20	845.0	-18.5	20	865.0	-18.5	20	885.0	-18.5	20	905.0	-18.5	20
925.0	-18.5	20	-875.0	18.5	20	-855.0	18.5	20	-835.0	18.5	20	-815.0	18.5	20
-795.0	18.5	20	-775.0	18.5	20	-755.0	18.5	20	-735.0	18.5	20	-715.0	18.5	20
-695.0	18.5	20	-675.0	18.5	20	-655.0	18.5	20	-635.0	18.5	20	-615.0	18.5	20
-595.0	18.5	20	-575.0	18.5	20	-555.0	18.5	20	-535.0	18.5	20	-515.0	18.5	20
-495.0	18.5	20	-475.0	18.5	20	-455.0	18.5	20	-435.0	18.5	20	-415.0	18.5	20
-395.0	18.5	20	-375.0	18.5	20	-355.0	18.5	20	-335.0	18.5	20	-315.0	18.5	20
-295.0	18.5	20	-275.0	18.5	20	-255.0	18.5	20	-235.0	18.5	20	-215.0	18.5	20
-195.0	18.5	20	-175.0	18.5	20	-155.0	18.5	20	-135.0	18.5	20	-115.0	18.5	20
-95.0	18.5	20	-75.0	18.5	20	-55.0	18.5	20	-35.0	18.5	20	-15.0	18.5	20
5.0	18.5	20	25.0	18.5	20	45.0	18.5	20	65.0	18.5	20	85.0	18.5	20
105.0	18.5	20	125.0	18.5	20	145.0	18.5	20	165.0	18.5	20	185.0	18.5	20
205.0	18.5	20	225.0	18.5	20	245.0	18.5	20	265.0	18.5	20	285.0	18.5	20
305.0	18.5	20	325.0	18.5	20	345.0	18.5	20	365.0	18.5	20	385.0	18.5	20
405.0	18.5	20	425.0	18.5	20	445.0	18.5	20	465.0	18.5	20	485.0	18.5	20
505.0	18.5	20	525.0	18.5	20	545.0	18.5	20	565.0	18.5	20	585.0	18.5	20
605.0	18.5	20	625.0	18.5	20	645.0	18.5	20	665.0	18.5	20	685.0	18.5	20
705.0	18.5	20	725.0	18.5	20	745.0	18.5	20	765.0	18.5	20	785.0	18.5	20

805.0	18.5	20	825.0	18.5	20	845.0	18.5	20	865.0	18.5	20	885.0	18.5	20
905.0	18.5	20	925.0	18.5	20	-475.0	-18.5	20	-475.0	18.5	20	-453.5	-18.5	20
-453.5	18.5	20	-500.0	-18.5	20	-500.0	18.5	20						

Sezione a quota 596
Coordinate dei vertici

X	Y
-895.0	25.0
-895.0	176.0
-845.0	176.0
-845.0	25.0
900.0	25.0
900.0	176.0
945.0	176.0
945.0	25.0
945.0	-25.0
-895.0	-25.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-875.0	-18.5	20	-855.0	-18.5	20	-835.0	-18.5	20	-815.0	-18.5	20	-795.0	-18.5	20
-775.0	-18.5	20	-755.0	-18.5	20	-735.0	-18.5	20	-715.0	-18.5	20	-695.0	-18.5	20
-675.0	-18.5	20	-655.0	-18.5	20	-635.0	-18.5	20	-615.0	-18.5	20	-595.0	-18.5	20
-575.0	-18.5	20	-555.0	-18.5	20	-535.0	-18.5	20	-515.0	-18.5	20	-495.0	-18.5	20
-475.0	-18.5	20	-455.0	-18.5	20	-435.0	-18.5	20	-415.0	-18.5	20	-395.0	-18.5	20
-375.0	-18.5	20	-355.0	-18.5	20	-335.0	-18.5	20	-315.0	-18.5	20	-295.0	-18.5	20
-275.0	-18.5	20	-255.0	-18.5	20	-235.0	-18.5	20	-215.0	-18.5	20	-195.0	-18.5	20
-175.0	-18.5	20	-155.0	-18.5	20	-135.0	-18.5	20	-115.0	-18.5	20	-95.0	-18.5	20
-75.0	-18.5	20	-55.0	-18.5	20	-35.0	-18.5	20	-15.0	-18.5	20	5.0	-18.5	20
25.0	-18.5	20	45.0	-18.5	20	65.0	-18.5	20	85.0	-18.5	20	105.0	-18.5	20
125.0	-18.5	20	145.0	-18.5	20	165.0	-18.5	20	185.0	-18.5	20	205.0	-18.5	20
225.0	-18.5	20	245.0	-18.5	20	265.0	-18.5	20	285.0	-18.5	20	305.0	-18.5	20
325.0	-18.5	20	345.0	-18.5	20	365.0	-18.5	20	385.0	-18.5	20	405.0	-18.5	20
425.0	-18.5	20	445.0	-18.5	20	465.0	-18.5	20	485.0	-18.5	20	505.0	-18.5	20
525.0	-18.5	20	545.0	-18.5	20	565.0	-18.5	20	585.0	-18.5	20	605.0	-18.5	20
625.0	-18.5	20	645.0	-18.5	20	665.0	-18.5	20	685.0	-18.5	20	705.0	-18.5	20
725.0	-18.5	20	745.0	-18.5	20	765.0	-18.5	20	785.0	-18.5	20	805.0	-18.5	20
825.0	-18.5	20	845.0	-18.5	20	865.0	-18.5	20	885.0	-18.5	20	905.0	-18.5	20
925.0	-18.5	20	-875.0	18.5	20	-855.0	18.5	20	-835.0	18.5	20	-815.0	18.5	20
-795.0	18.5	20	-775.0	18.5	20	-755.0	18.5	20	-735.0	18.5	20	-715.0	18.5	20
-695.0	18.5	20	-675.0	18.5	20	-655.0	18.5	20	-635.0	18.5	20	-615.0	18.5	20
-595.0	18.5	20	-575.0	18.5	20	-555.0	18.5	20	-535.0	18.5	20	-515.0	18.5	20
-495.0	18.5	20	-475.0	18.5	20	-455.0	18.5	20	-435.0	18.5	20	-415.0	18.5	20
-395.0	18.5	20	-375.0	18.5	20	-355.0	18.5	20	-335.0	18.5	20	-315.0	18.5	20
-295.0	18.5	20	-275.0	18.5	20	-255.0	18.5	20	-235.0	18.5	20	-215.0	18.5	20
-195.0	18.5	20	-175.0	18.5	20	-155.0	18.5	20	-135.0	18.5	20	-115.0	18.5	20
-95.0	18.5	20	-75.0	18.5	20	-55.0	18.5	20	-35.0	18.5	20	-15.0	18.5	20
5.0	18.5	20	25.0	18.5	20	45.0	18.5	20	65.0	18.5	20	85.0	18.5	20
105.0	18.5	20	125.0	18.5	20	145.0	18.5	20	165.0	18.5	20	185.0	18.5	20
205.0	18.5	20	225.0	18.5	20	245.0	18.5	20	265.0	18.5	20	285.0	18.5	20
305.0	18.5	20	325.0	18.5	20	345.0	18.5	20	365.0	18.5	20	385.0	18.5	20
405.0	18.5	20	425.0	18.5	20	445.0	18.5	20	465.0	18.5	20	485.0	18.5	20
505.0	18.5	20	525.0	18.5	20	545.0	18.5	20	565.0	18.5	20	585.0	18.5	20
605.0	18.5	20	625.0	18.5	20	645.0	18.5	20	665.0	18.5	20	685.0	18.5	20
705.0	18.5	20	725.0	18.5	20	745.0	18.5	20	765.0	18.5	20	785.0	18.5	20
805.0	18.5	20	825.0	18.5	20	845.0	18.5	20	865.0	18.5	20	885.0	18.5	20
905.0	18.5	20	925.0	18.5	20	-475.0	-18.5	20	-475.0	18.5	20	-453.5	-18.5	20
-453.5	18.5	20	-500.0	-18.5	20	-500.0	18.5	20						

Sezione a quota 613
Coordinate dei vertici

X	Y
-895.0	25.0
-895.0	171.9
-845.0	171.9
-845.0	25.0
900.0	25.0
900.0	171.9
945.0	171.9
945.0	25.0
945.0	-25.0
-895.0	-25.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-875.0	-18.5	20	-855.0	-18.5	20	-835.0	-18.5	20	-815.0	-18.5	20	-795.0	-18.5	20
-775.0	-18.5	20	-755.0	-18.5	20	-735.0	-18.5	20	-715.0	-18.5	20	-695.0	-18.5	20
-675.0	-18.5	20	-655.0	-18.5	20	-635.0	-18.5	20	-615.0	-18.5	20	-595.0	-18.5	20
-575.0	-18.5	20	-555.0	-18.5	20	-535.0	-18.5	20	-515.0	-18.5	20	-495.0	-18.5	20
-475.0	-18.5	20	-455.0	-18.5	20	-435.0	-18.5	20	-415.0	-18.5	20	-395.0	-18.5	20
-375.0	-18.5	20	-355.0	-18.5	20	-335.0	-18.5	20	-315.0	-18.5	20	-295.0	-18.5	20
-275.0	-18.5	20	-255.0	-18.5	20	-235.0	-18.5	20	-215.0	-18.5	20	-195.0	-18.5	20
-175.0	-18.5	20	-155.0	-18.5	20	-135.0	-18.5	20	-115.0	-18.5	20	-95.0	-18.5	20
-75.0	-18.5	20	-55.0	-18.5	20	-35.0	-18.5	20	-15.0	-18.5	20	5.0	-18.5	20
25.0	-18.5	20	45.0	-18.5	20	65.0	-18.5	20	85.0	-18.5	20	105.0	-18.5	20
125.0	-18.5	20	145.0	-18.5	20	165.0	-18.5	20	185.0	-18.5	20	205.0	-18.5	20
225.0	-18.5	20	245.0	-18.5	20	265.0	-18.5	20	285.0	-18.5	20	305.0	-18.5	20
325.0	-18.5	20	345.0	-18.5	20	365.0	-18.5	20	385.0	-18.5	20	405.0	-18.5	20
425.0	-18.5	20	445.0	-18.5	20	465.0	-18.5	20	485.0	-18.5	20	505.0	-18.5	20
525.0	-18.5	20	545.0	-18.5	20	565.0	-18.5	20	585.0	-18.5	20	605.0	-18.5	20
625.0	-18.5	20	645.0	-18.5	20	665.0	-18.5	20	685.0	-18.5	20	705.0	-18.5	20
725.0	-18.5	20	745.0	-18.5	20	765.0	-18.5	20	785.0	-18.5	20	805.0	-18.5	20
825.0	-18.5	20	845.0	-18.5	20	865.0	-18.5	20	885.0	-18.5	20	905.0	-18.5	20
925.0	-18.5	20	-875.0	18.5	20	-855.0	18.5	20	-835.0	18.5	20	-815.0	18.5	20

-795.0	18.5	20	-775.0	18.5	20	-755.0	18.5	20	-735.0	18.5	20	-715.0	18.5	20
-695.0	18.5	20	-675.0	18.5	20	-655.0	18.5	20	-635.0	18.5	20	-615.0	18.5	20
-595.0	18.5	20	-575.0	18.5	20	-555.0	18.5	20	-535.0	18.5	20	-515.0	18.5	20
-495.0	18.5	20	-475.0	18.5	20	-455.0	18.5	20	-435.0	18.5	20	-415.0	18.5	20
-395.0	18.5	20	-375.0	18.5	20	-355.0	18.5	20	-335.0	18.5	20	-315.0	18.5	20
-295.0	18.5	20	-275.0	18.5	20	-255.0	18.5	20	-235.0	18.5	20	-215.0	18.5	20
-195.0	18.5	20	-175.0	18.5	20	-155.0	18.5	20	-135.0	18.5	20	-115.0	18.5	20
-95.0	18.5	20	-75.0	18.5	20	-55.0	18.5	20	-35.0	18.5	20	-15.0	18.5	20
5.0	18.5	20	25.0	18.5	20	45.0	18.5	20	65.0	18.5	20	85.0	18.5	20
105.0	18.5	20	125.0	18.5	20	145.0	18.5	20	165.0	18.5	20	185.0	18.5	20
205.0	18.5	20	225.0	18.5	20	245.0	18.5	20	265.0	18.5	20	285.0	18.5	20
305.0	18.5	20	325.0	18.5	20	345.0	18.5	20	365.0	18.5	20	385.0	18.5	20
405.0	18.5	20	425.0	18.5	20	445.0	18.5	20	465.0	18.5	20	485.0	18.5	20
505.0	18.5	20	525.0	18.5	20	545.0	18.5	20	565.0	18.5	20	585.0	18.5	20
605.0	18.5	20	625.0	18.5	20	645.0	18.5	20	665.0	18.5	20	685.0	18.5	20
705.0	18.5	20	725.0	18.5	20	745.0	18.5	20	765.0	18.5	20	785.0	18.5	20
805.0	18.5	20	825.0	18.5	20	845.0	18.5	20	865.0	18.5	20	885.0	18.5	20
905.0	18.5	20	925.0	18.5	20	-475.0	-18.5	20	-475.0	18.5	20	-453.5	-18.5	20
-453.5	18.5	20	-500.0	-18.5	20	-500.0	18.5	20						

Sezione a quota 629
Coordinate dei vertici

X	Y
-895.0	25.0
-895.0	167.8
-845.0	167.8
-845.0	25.0
900.0	25.0
900.0	167.8
945.0	167.8
945.0	25.0
945.0	-25.0
-895.0	-25.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-875.0	-18.5	20	-855.0	-18.5	20	-835.0	-18.5	20	-815.0	-18.5	20	-795.0	-18.5	20
-775.0	-18.5	20	-755.0	-18.5	20	-735.0	-18.5	20	-715.0	-18.5	20	-695.0	-18.5	20
-675.0	-18.5	20	-655.0	-18.5	20	-635.0	-18.5	20	-615.0	-18.5	20	-595.0	-18.5	20
-575.0	-18.5	20	-555.0	-18.5	20	-535.0	-18.5	20	-515.0	-18.5	20	-495.0	-18.5	20
-475.0	-18.5	20	-455.0	-18.5	20	-435.0	-18.5	20	-415.0	-18.5	20	-395.0	-18.5	20
-375.0	-18.5	20	-355.0	-18.5	20	-335.0	-18.5	20	-315.0	-18.5	20	-295.0	-18.5	20
-275.0	-18.5	20	-255.0	-18.5	20	-235.0	-18.5	20	-215.0	-18.5	20	-195.0	-18.5	20
-175.0	-18.5	20	-155.0	-18.5	20	-135.0	-18.5	20	-115.0	-18.5	20	-95.0	-18.5	20
-75.0	-18.5	20	-55.0	-18.5	20	-35.0	-18.5	20	-15.0	-18.5	20	5.0	-18.5	20
25.0	-18.5	20	45.0	-18.5	20	65.0	-18.5	20	85.0	-18.5	20	105.0	-18.5	20
125.0	-18.5	20	145.0	-18.5	20	165.0	-18.5	20	185.0	-18.5	20	205.0	-18.5	20
225.0	-18.5	20	245.0	-18.5	20	265.0	-18.5	20	285.0	-18.5	20	305.0	-18.5	20
325.0	-18.5	20	345.0	-18.5	20	365.0	-18.5	20	385.0	-18.5	20	405.0	-18.5	20
425.0	-18.5	20	445.0	-18.5	20	465.0	-18.5	20	485.0	-18.5	20	505.0	-18.5	20
525.0	-18.5	20	545.0	-18.5	20	565.0	-18.5	20	585.0	-18.5	20	605.0	-18.5	20
625.0	-18.5	20	645.0	-18.5	20	665.0	-18.5	20	685.0	-18.5	20	705.0	-18.5	20
725.0	-18.5	20	745.0	-18.5	20	765.0	-18.5	20	785.0	-18.5	20	805.0	-18.5	20
825.0	-18.5	20	845.0	-18.5	20	865.0	-18.5	20	885.0	-18.5	20	905.0	-18.5	20
925.0	-18.5	20	-875.0	18.5	20	-855.0	18.5	20	-835.0	18.5	20	-815.0	18.5	20
-795.0	18.5	20	-775.0	18.5	20	-755.0	18.5	20	-735.0	18.5	20	-715.0	18.5	20
-695.0	18.5	20	-675.0	18.5	20	-655.0	18.5	20	-635.0	18.5	20	-615.0	18.5	20
-595.0	18.5	20	-575.0	18.5	20	-555.0	18.5	20	-535.0	18.5	20	-515.0	18.5	20
-495.0	18.5	20	-475.0	18.5	20	-455.0	18.5	20	-435.0	18.5	20	-415.0	18.5	20
-395.0	18.5	20	-375.0	18.5	20	-355.0	18.5	20	-335.0	18.5	20	-315.0	18.5	20
-295.0	18.5	20	-275.0	18.5	20	-255.0	18.5	20	-235.0	18.5	20	-215.0	18.5	20
-195.0	18.5	20	-175.0	18.5	20	-155.0	18.5	20	-135.0	18.5	20	-115.0	18.5	20
-95.0	18.5	20	-75.0	18.5	20	-55.0	18.5	20	-35.0	18.5	20	-15.0	18.5	20
5.0	18.5	20	25.0	18.5	20	45.0	18.5	20	65.0	18.5	20	85.0	18.5	20
105.0	18.5	20	125.0	18.5	20	145.0	18.5	20	165.0	18.5	20	185.0	18.5	20
205.0	18.5	20	225.0	18.5	20	245.0	18.5	20	265.0	18.5	20	285.0	18.5	20
305.0	18.5	20	325.0	18.5	20	345.0	18.5	20	365.0	18.5	20	385.0	18.5	20
405.0	18.5	20	425.0	18.5	20	445.0	18.5	20	465.0	18.5	20	485.0	18.5	20
505.0	18.5	20	525.0	18.5	20	545.0	18.5	20	565.0	18.5	20	585.0	18.5	20
605.0	18.5	20	625.0	18.5	20	645.0	18.5	20	665.0	18.5	20	685.0	18.5	20
705.0	18.5	20	725.0	18.5	20	745.0	18.5	20	765.0	18.5	20	785.0	18.5	20
805.0	18.5	20	825.0	18.5	20	845.0	18.5	20	865.0	18.5	20	885.0	18.5	20
905.0	18.5	20	925.0	18.5	20	-475.0	-18.5	20	-475.0	18.5	20	-453.5	-18.5	20
-453.5	18.5	20	-500.0	-18.5	20	-500.0	18.5	20						

Sezione a quota 631
Coordinate dei vertici

X	Y
-895.0	25.0
-895.0	167.3
-845.0	167.3
-845.0	25.0
900.0	25.0
900.0	167.3
945.0	167.3
945.0	25.0
945.0	-25.0
-895.0	-25.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-875.0	-18.5	20	-855.0	-18.5	20	-835.0	-18.5	20	-815.0	-18.5	20	-795.0	-18.5	20
-775.0	-18.5	20	-755.0	-18.5	20	-735.0	-18.5	20	-715.0	-18.5	20	-695.0	-18.5	20
-675.0	-18.5	20	-655.0	-18.5	20	-635.0	-18.5	20	-615.0	-18.5	20	-595.0	-18.5	20

-575.0	-18.5	20	-555.0	-18.5	20	-535.0	-18.5	20	-515.0	-18.5	20	-495.0	-18.5	20
-475.0	-18.5	20	-455.0	-18.5	20	-435.0	-18.5	20	-415.0	-18.5	20	-395.0	-18.5	20
-375.0	-18.5	20	-355.0	-18.5	20	-335.0	-18.5	20	-315.0	-18.5	20	-295.0	-18.5	20
-275.0	-18.5	20	-255.0	-18.5	20	-235.0	-18.5	20	-215.0	-18.5	20	-195.0	-18.5	20
-175.0	-18.5	20	-155.0	-18.5	20	-135.0	-18.5	20	-115.0	-18.5	20	-95.0	-18.5	20
-75.0	-18.5	20	-55.0	-18.5	20	-35.0	-18.5	20	-15.0	-18.5	20	5.0	-18.5	20
25.0	-18.5	20	45.0	-18.5	20	65.0	-18.5	20	85.0	-18.5	20	105.0	-18.5	20
125.0	-18.5	20	145.0	-18.5	20	165.0	-18.5	20	185.0	-18.5	20	205.0	-18.5	20
225.0	-18.5	20	245.0	-18.5	20	265.0	-18.5	20	285.0	-18.5	20	305.0	-18.5	20
325.0	-18.5	20	345.0	-18.5	20	365.0	-18.5	20	385.0	-18.5	20	405.0	-18.5	20
425.0	-18.5	20	445.0	-18.5	20	465.0	-18.5	20	485.0	-18.5	20	505.0	-18.5	20
525.0	-18.5	20	545.0	-18.5	20	565.0	-18.5	20	585.0	-18.5	20	605.0	-18.5	20
625.0	-18.5	20	645.0	-18.5	20	665.0	-18.5	20	685.0	-18.5	20	705.0	-18.5	20
725.0	-18.5	20	745.0	-18.5	20	765.0	-18.5	20	785.0	-18.5	20	805.0	-18.5	20
825.0	-18.5	20	845.0	-18.5	20	865.0	-18.5	20	885.0	-18.5	20	905.0	-18.5	20
925.0	-18.5	20	-875.0	18.5	20	-855.0	18.5	20	-835.0	18.5	20	-815.0	18.5	20
-795.0	18.5	20	-775.0	18.5	20	-755.0	18.5	20	-735.0	18.5	20	-715.0	18.5	20
-695.0	18.5	20	-675.0	18.5	20	-655.0	18.5	20	-635.0	18.5	20	-615.0	18.5	20
-595.0	18.5	20	-575.0	18.5	20	-555.0	18.5	20	-535.0	18.5	20	-515.0	18.5	20
-495.0	18.5	20	-475.0	18.5	20	-455.0	18.5	20	-435.0	18.5	20	-415.0	18.5	20
-395.0	18.5	20	-375.0	18.5	20	-355.0	18.5	20	-335.0	18.5	20	-315.0	18.5	20
-295.0	18.5	20	-275.0	18.5	20	-255.0	18.5	20	-235.0	18.5	20	-215.0	18.5	20
-195.0	18.5	20	-175.0	18.5	20	-155.0	18.5	20	-135.0	18.5	20	-115.0	18.5	20
-95.0	18.5	20	-75.0	18.5	20	-55.0	18.5	20	-35.0	18.5	20	-15.0	18.5	20
5.0	18.5	20	25.0	18.5	20	45.0	18.5	20	65.0	18.5	20	85.0	18.5	20
105.0	18.5	20	125.0	18.5	20	145.0	18.5	20	165.0	18.5	20	185.0	18.5	20
205.0	18.5	20	225.0	18.5	20	245.0	18.5	20	265.0	18.5	20	285.0	18.5	20
305.0	18.5	20	325.0	18.5	20	345.0	18.5	20	365.0	18.5	20	385.0	18.5	20
405.0	18.5	20	425.0	18.5	20	445.0	18.5	20	465.0	18.5	20	485.0	18.5	20
505.0	18.5	20	525.0	18.5	20	545.0	18.5	20	565.0	18.5	20	585.0	18.5	20
605.0	18.5	20	625.0	18.5	20	645.0	18.5	20	665.0	18.5	20	685.0	18.5	20
705.0	18.5	20	725.0	18.5	20	745.0	18.5	20	765.0	18.5	20	785.0	18.5	20
805.0	18.5	20	825.0	18.5	20	845.0	18.5	20	865.0	18.5	20	885.0	18.5	20
905.0	18.5	20	925.0	18.5	20									

Sezione a quota 679
Coordinate dei vertici

X	Y
-895.0	25.0
-895.0	155.4
-845.0	155.4
-845.0	25.0
900.0	25.0
900.0	155.4
945.0	155.4
945.0	25.0
945.0	-25.0
-895.0	-25.0

Armature verticali

X	Y	∅	X	Y	∅	X	Y	∅	X	Y	∅	X	Y	∅
-875.0	-18.5	20	-855.0	-18.5	20	-835.0	-18.5	20	-815.0	-18.5	20	-795.0	-18.5	20
-775.0	-18.5	20	-755.0	-18.5	20	-735.0	-18.5	20	-715.0	-18.5	20	-695.0	-18.5	20
-675.0	-18.5	20	-655.0	-18.5	20	-635.0	-18.5	20	-615.0	-18.5	20	-595.0	-18.5	20
-575.0	-18.5	20	-555.0	-18.5	20	-535.0	-18.5	20	-515.0	-18.5	20	-495.0	-18.5	20
-475.0	-18.5	20	-455.0	-18.5	20	-435.0	-18.5	20	-415.0	-18.5	20	-395.0	-18.5	20
-375.0	-18.5	20	-355.0	-18.5	20	-335.0	-18.5	20	-315.0	-18.5	20	-295.0	-18.5	20
-275.0	-18.5	20	-255.0	-18.5	20	-235.0	-18.5	20	-215.0	-18.5	20	-195.0	-18.5	20
-175.0	-18.5	20	-155.0	-18.5	20	-135.0	-18.5	20	-115.0	-18.5	20	-95.0	-18.5	20
-75.0	-18.5	20	-55.0	-18.5	20	-35.0	-18.5	20	-15.0	-18.5	20	5.0	-18.5	20
25.0	-18.5	20	45.0	-18.5	20	65.0	-18.5	20	85.0	-18.5	20	105.0	-18.5	20
125.0	-18.5	20	145.0	-18.5	20	165.0	-18.5	20	185.0	-18.5	20	205.0	-18.5	20
225.0	-18.5	20	245.0	-18.5	20	265.0	-18.5	20	285.0	-18.5	20	305.0	-18.5	20
325.0	-18.5	20	345.0	-18.5	20	365.0	-18.5	20	385.0	-18.5	20	405.0	-18.5	20
425.0	-18.5	20	445.0	-18.5	20	465.0	-18.5	20	485.0	-18.5	20	505.0	-18.5	20
525.0	-18.5	20	545.0	-18.5	20	565.0	-18.5	20	585.0	-18.5	20	605.0	-18.5	20
625.0	-18.5	20	645.0	-18.5	20	665.0	-18.5	20	685.0	-18.5	20	705.0	-18.5	20
725.0	-18.5	20	745.0	-18.5	20	765.0	-18.5	20	785.0	-18.5	20	805.0	-18.5	20
825.0	-18.5	20	845.0	-18.5	20	865.0	-18.5	20	885.0	-18.5	20	905.0	-18.5	20
925.0	-18.5	20	-875.0	18.5	20	-855.0	18.5	20	-835.0	18.5	20	-815.0	18.5	20
-795.0	18.5	20	-775.0	18.5	20	-755.0	18.5	20	-735.0	18.5	20	-715.0	18.5	20
-695.0	18.5	20	-675.0	18.5	20	-655.0	18.5	20	-635.0	18.5	20	-615.0	18.5	20
-595.0	18.5	20	-575.0	18.5	20	-555.0	18.5	20	-535.0	18.5	20	-515.0	18.5	20
-495.0	18.5	20	-475.0	18.5	20	-455.0	18.5	20	-435.0	18.5	20	-415.0	18.5	20
-395.0	18.5	20	-375.0	18.5	20	-355.0	18.5	20	-335.0	18.5	20	-315.0	18.5	20
-295.0	18.5	20	-275.0	18.5	20	-255.0	18.5	20	-235.0	18.5	20	-215.0	18.5	20
-195.0	18.5	20	-175.0	18.5	20	-155.0	18.5	20	-135.0	18.5	20	-115.0	18.5	20
-95.0	18.5	20	-75.0	18.5	20	-55.0	18.5	20	-35.0	18.5	20	-15.0	18.5	20
5.0	18.5	20	25.0	18.5	20	45.0	18.5	20	65.0	18.5	20	85.0	18.5	20
105.0	18.5	20	125.0	18.5	20	145.0	18.5	20	165.0	18.5	20	185.0	18.5	20
205.0	18.5	20	225.0	18.5	20	245.0	18.5	20	265.0	18.5	20	285.0	18.5	20
305.0	18.5	20	325.0	18.5	20	345.0	18.5	20	365.0	18.5	20	385.0	18.5	20
405.0	18.5	20	425.0	18.5	20	445.0	18.5	20	465.0	18.5	20	485.0	18.5	20
505.0	18.5	20	525.0	18.5	20	545.0	18.5	20	565.0	18.5	20	585.0	18.5	20
605.0	18.5	20	625.0	18.5	20	645.0	18.5	20	665.0	18.5	20	685.0	18.5	20
705.0	18.5	20	725.0	18.5	20	745.0	18.5	20	765.0	18.5	20	785.0	18.5	20
805.0	18.5	20	825.0	18.5	20	845.0	18.5	20	865.0	18.5	20	885.0	18.5	20
905.0	18.5	20	925.0	18.5	20									

Sezione a quota 726
Coordinate dei vertici

X	Y
-895.0	25.0
-895.0	143.5

```
-845.0   143.5
-845.0    25.0
 900.0    25.0
 900.0   143.5
 945.0   143.5
 945.0    25.0
 945.0   -25.0
-895.0   -25.0
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-875.0	-18.5	20	-855.0	-18.5	20	-835.0	-18.5	20	-815.0	-18.5	20	-795.0	-18.5	20
-775.0	-18.5	20	-755.0	-18.5	20	-735.0	-18.5	20	-715.0	-18.5	20	-695.0	-18.5	20
-675.0	-18.5	20	-655.0	-18.5	20	-635.0	-18.5	20	-615.0	-18.5	20	-595.0	-18.5	20
-575.0	-18.5	20	-555.0	-18.5	20	-535.0	-18.5	20	-515.0	-18.5	20	-495.0	-18.5	20
-475.0	-18.5	20	-455.0	-18.5	20	-435.0	-18.5	20	-415.0	-18.5	20	-395.0	-18.5	20
-375.0	-18.5	20	-355.0	-18.5	20	-335.0	-18.5	20	-315.0	-18.5	20	-295.0	-18.5	20
-275.0	-18.5	20	-255.0	-18.5	20	-235.0	-18.5	20	-215.0	-18.5	20	-195.0	-18.5	20
-175.0	-18.5	20	-155.0	-18.5	20	-135.0	-18.5	20	-115.0	-18.5	20	-95.0	-18.5	20
-75.0	-18.5	20	-55.0	-18.5	20	-35.0	-18.5	20	-15.0	-18.5	20	5.0	-18.5	20
25.0	-18.5	20	45.0	-18.5	20	65.0	-18.5	20	85.0	-18.5	20	105.0	-18.5	20
125.0	-18.5	20	145.0	-18.5	20	165.0	-18.5	20	185.0	-18.5	20	205.0	-18.5	20
225.0	-18.5	20	245.0	-18.5	20	265.0	-18.5	20	285.0	-18.5	20	305.0	-18.5	20
325.0	-18.5	20	345.0	-18.5	20	365.0	-18.5	20	385.0	-18.5	20	405.0	-18.5	20
425.0	-18.5	20	445.0	-18.5	20	465.0	-18.5	20	485.0	-18.5	20	505.0	-18.5	20
525.0	-18.5	20	545.0	-18.5	20	565.0	-18.5	20	585.0	-18.5	20	605.0	-18.5	20
625.0	-18.5	20	645.0	-18.5	20	665.0	-18.5	20	685.0	-18.5	20	705.0	-18.5	20
725.0	-18.5	20	745.0	-18.5	20	765.0	-18.5	20	785.0	-18.5	20	805.0	-18.5	20
825.0	-18.5	20	845.0	-18.5	20	865.0	-18.5	20	885.0	-18.5	20	905.0	-18.5	20
925.0	-18.5	20	-875.0	18.5	20	-855.0	18.5	20	-835.0	18.5	20	-815.0	18.5	20
-795.0	18.5	20	-775.0	18.5	20	-755.0	18.5	20	-735.0	18.5	20	-715.0	18.5	20
-695.0	18.5	20	-675.0	18.5	20	-655.0	18.5	20	-635.0	18.5	20	-615.0	18.5	20
-595.0	18.5	20	-575.0	18.5	20	-555.0	18.5	20	-535.0	18.5	20	-515.0	18.5	20
-495.0	18.5	20	-475.0	18.5	20	-455.0	18.5	20	-435.0	18.5	20	-415.0	18.5	20
-395.0	18.5	20	-375.0	18.5	20	-355.0	18.5	20	-335.0	18.5	20	-315.0	18.5	20
-295.0	18.5	20	-275.0	18.5	20	-255.0	18.5	20	-235.0	18.5	20	-215.0	18.5	20
-195.0	18.5	20	-175.0	18.5	20	-155.0	18.5	20	-135.0	18.5	20	-115.0	18.5	20
-95.0	18.5	20	-75.0	18.5	20	-55.0	18.5	20	-35.0	18.5	20	-15.0	18.5	20
5.0	18.5	20	25.0	18.5	20	45.0	18.5	20	65.0	18.5	20	85.0	18.5	20
105.0	18.5	20	125.0	18.5	20	145.0	18.5	20	165.0	18.5	20	185.0	18.5	20
205.0	18.5	20	225.0	18.5	20	245.0	18.5	20	265.0	18.5	20	285.0	18.5	20
305.0	18.5	20	325.0	18.5	20	345.0	18.5	20	365.0	18.5	20	385.0	18.5	20
405.0	18.5	20	425.0	18.5	20	445.0	18.5	20	465.0	18.5	20	485.0	18.5	20
505.0	18.5	20	525.0	18.5	20	545.0	18.5	20	565.0	18.5	20	585.0	18.5	20
605.0	18.5	20	625.0	18.5	20	645.0	18.5	20	665.0	18.5	20	685.0	18.5	20
705.0	18.5	20	725.0	18.5	20	745.0	18.5	20	765.0	18.5	20	785.0	18.5	20
805.0	18.5	20	825.0	18.5	20	845.0	18.5	20	865.0	18.5	20	885.0	18.5	20
905.0	18.5	20	925.0	18.5	20										

Sezione a quota 728
Coordinate dei vertici

```
    X       Y
-895.0    25.0
-895.0   143.0
-845.0   143.0
-845.0    25.0
 900.0    25.0
 900.0   143.0
 945.0   143.0
 945.0    25.0
 945.0   -25.0
-895.0   -25.0
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-875.0	-18.5	20	-855.0	-18.5	20	-835.0	-18.5	20	-815.0	-18.5	20	-795.0	-18.5	20
-775.0	-18.5	20	-755.0	-18.5	20	-735.0	-18.5	20	-715.0	-18.5	20	-695.0	-18.5	20
-675.0	-18.5	20	-655.0	-18.5	20	-635.0	-18.5	20	-615.0	-18.5	20	-595.0	-18.5	20
-575.0	-18.5	20	-555.0	-18.5	20	-535.0	-18.5	20	-515.0	-18.5	20	-495.0	-18.5	20
-475.0	-18.5	20	-455.0	-18.5	20	-435.0	-18.5	20	-415.0	-18.5	20	-395.0	-18.5	20
-375.0	-18.5	20	-355.0	-18.5	20	-335.0	-18.5	20	-315.0	-18.5	20	-295.0	-18.5	20
-275.0	-18.5	20	-255.0	-18.5	20	-235.0	-18.5	20	-215.0	-18.5	20	-195.0	-18.5	20
-175.0	-18.5	20	-155.0	-18.5	20	-135.0	-18.5	20	-115.0	-18.5	20	-95.0	-18.5	20
-75.0	-18.5	20	-55.0	-18.5	20	-35.0	-18.5	20	-15.0	-18.5	20	5.0	-18.5	20
25.0	-18.5	20	45.0	-18.5	20	65.0	-18.5	20	85.0	-18.5	20	105.0	-18.5	20
125.0	-18.5	20	145.0	-18.5	20	165.0	-18.5	20	185.0	-18.5	20	205.0	-18.5	20
225.0	-18.5	20	245.0	-18.5	20	265.0	-18.5	20	285.0	-18.5	20	305.0	-18.5	20
325.0	-18.5	20	345.0	-18.5	20	365.0	-18.5	20	385.0	-18.5	20	405.0	-18.5	20
425.0	-18.5	20	445.0	-18.5	20	465.0	-18.5	20	485.0	-18.5	20	505.0	-18.5	20
525.0	-18.5	20	545.0	-18.5	20	565.0	-18.5	20	585.0	-18.5	20	605.0	-18.5	20
625.0	-18.5	20	645.0	-18.5	20	665.0	-18.5	20	685.0	-18.5	20	705.0	-18.5	20
725.0	-18.5	20	745.0	-18.5	20	765.0	-18.5	20	785.0	-18.5	20	805.0	-18.5	20
825.0	-18.5	20	845.0	-18.5	20	865.0	-18.5	20	885.0	-18.5	20	905.0	-18.5	20
925.0	-18.5	20	-875.0	18.5	20	-855.0	18.5	20	-835.0	18.5	20	-815.0	18.5	20
-795.0	18.5	20	-775.0	18.5	20	-755.0	18.5	20	-735.0	18.5	20	-715.0	18.5	20
-695.0	18.5	20	-675.0	18.5	20	-655.0	18.5	20	-635.0	18.5	20	-615.0	18.5	20
-595.0	18.5	20	-575.0	18.5	20	-555.0	18.5	20	-535.0	18.5	20	-515.0	18.5	20
-495.0	18.5	20	-475.0	18.5	20	-455.0	18.5	20	-435.0	18.5	20	-415.0	18.5	20
-395.0	18.5	20	-375.0	18.5	20	-355.0	18.5	20	-335.0	18.5	20	-315.0	18.5	20
-295.0	18.5	20	-275.0	18.5	20	-255.0	18.5	20	-235.0	18.5	20	-215.0	18.5	20
-195.0	18.5	20	-175.0	18.5	20	-155.0	18.5	20	-135.0	18.5	20	-115.0	18.5	20
-95.0	18.5	20	-75.0	18.5	20	-55.0	18.5	20	-35.0	18.5	20	-15.0	18.5	20
5.0	18.5	20	25.0	18.5	20	45.0	18.5	20	65.0	18.5	20	85.0	18.5	20
105.0	18.5	20	125.0	18.5	20	145.0	18.5	20	165.0	18.5	20	185.0	18.5	20

205.0	18.5	20	225.0	18.5	20	245.0	18.5	20	265.0	18.5	20	285.0	18.5	20
305.0	18.5	20	325.0	18.5	20	345.0	18.5	20	365.0	18.5	20	385.0	18.5	20
405.0	18.5	20	425.0	18.5	20	445.0	18.5	20	465.0	18.5	20	485.0	18.5	20
505.0	18.5	20	525.0	18.5	20	545.0	18.5	20	565.0	18.5	20	585.0	18.5	20
605.0	18.5	20	625.0	18.5	20	645.0	18.5	20	665.0	18.5	20	685.0	18.5	20
705.0	18.5	20	725.0	18.5	20	745.0	18.5	20	765.0	18.5	20	785.0	18.5	20
805.0	18.5	20	825.0	18.5	20	845.0	18.5	20	865.0	18.5	20	885.0	18.5	20
905.0	18.5	20	925.0	18.5	20												

Sezione a quota 729
Coordinate dei vertici

X	Y
-895.0	25.0
-895.0	142.9
-845.0	142.9
-845.0	25.0
900.0	25.0
900.0	142.9
945.0	142.9
945.0	25.0
945.0	-25.0
-895.0	-25.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-875.0	-18.5	20	-855.0	-18.5	20	-835.0	-18.5	20	-815.0	-18.5	20	-795.0	-18.5	20
-775.0	-18.5	20	-755.0	-18.5	20	-735.0	-18.5	20	-715.0	-18.5	20	-695.0	-18.5	20
-675.0	-18.5	20	-655.0	-18.5	20	-635.0	-18.5	20	-615.0	-18.5	20	-595.0	-18.5	20
-575.0	-18.5	20	-555.0	-18.5	20	-535.0	-18.5	20	-515.0	-18.5	20	-495.0	-18.5	20
-475.0	-18.5	20	-455.0	-18.5	20	-435.0	-18.5	20	-415.0	-18.5	20	-395.0	-18.5	20
-375.0	-18.5	20	-355.0	-18.5	20	-335.0	-18.5	20	-315.0	-18.5	20	-295.0	-18.5	20
-275.0	-18.5	20	-255.0	-18.5	20	-235.0	-18.5	20	-215.0	-18.5	20	-195.0	-18.5	20
-175.0	-18.5	20	-155.0	-18.5	20	-135.0	-18.5	20	-115.0	-18.5	20	-95.0	-18.5	20
-75.0	-18.5	20	-55.0	-18.5	20	-35.0	-18.5	20	-15.0	-18.5	20	5.0	-18.5	20
25.0	-18.5	20	45.0	-18.5	20	65.0	-18.5	20	85.0	-18.5	20	105.0	-18.5	20
125.0	-18.5	20	145.0	-18.5	20	165.0	-18.5	20	185.0	-18.5	20	205.0	-18.5	20
225.0	-18.5	20	245.0	-18.5	20	265.0	-18.5	20	285.0	-18.5	20	305.0	-18.5	20
325.0	-18.5	20	345.0	-18.5	20	365.0	-18.5	20	385.0	-18.5	20	405.0	-18.5	20
425.0	-18.5	20	445.0	-18.5	20	465.0	-18.5	20	485.0	-18.5	20	505.0	-18.5	20
525.0	-18.5	20	545.0	-18.5	20	565.0	-18.5	20	585.0	-18.5	20	605.0	-18.5	20
625.0	-18.5	20	645.0	-18.5	20	665.0	-18.5	20	685.0	-18.5	20	705.0	-18.5	20
725.0	-18.5	20	745.0	-18.5	20	765.0	-18.5	20	785.0	-18.5	20	805.0	-18.5	20
825.0	-18.5	20	845.0	-18.5	20	865.0	-18.5	20	885.0	-18.5	20	905.0	-18.5	20
925.0	-18.5	20	-875.0	18.5	20	-855.0	18.5	20	-835.0	18.5	20	-815.0	18.5	20
-795.0	18.5	20	-775.0	18.5	20	-755.0	18.5	20	-735.0	18.5	20	-715.0	18.5	20
-695.0	18.5	20	-675.0	18.5	20	-655.0	18.5	20	-635.0	18.5	20	-615.0	18.5	20
-595.0	18.5	20	-575.0	18.5	20	-555.0	18.5	20	-535.0	18.5	20	-515.0	18.5	20
-495.0	18.5	20	-475.0	18.5	20	-455.0	18.5	20	-435.0	18.5	20	-415.0	18.5	20
-395.0	18.5	20	-375.0	18.5	20	-355.0	18.5	20	-335.0	18.5	20	-315.0	18.5	20
-295.0	18.5	20	-275.0	18.5	20	-255.0	18.5	20	-235.0	18.5	20	-215.0	18.5	20
-195.0	18.5	20	-175.0	18.5	20	-155.0	18.5	20	-135.0	18.5	20	-115.0	18.5	20
-95.0	18.5	20	-75.0	18.5	20	-55.0	18.5	20	-35.0	18.5	20	-15.0	18.5	20
5.0	18.5	20	25.0	18.5	20	45.0	18.5	20	65.0	18.5	20	85.0	18.5	20
105.0	18.5	20	125.0	18.5	20	145.0	18.5	20	165.0	18.5	20	185.0	18.5	20
205.0	18.5	20	225.0	18.5	20	245.0	18.5	20	265.0	18.5	20	285.0	18.5	20
305.0	18.5	20	325.0	18.5	20	345.0	18.5	20	365.0	18.5	20	385.0	18.5	20
405.0	18.5	20	425.0	18.5	20	445.0	18.5	20	465.0	18.5	20	485.0	18.5	20
505.0	18.5	20	525.0	18.5	20	545.0	18.5	20	565.0	18.5	20	585.0	18.5	20
605.0	18.5	20	625.0	18.5	20	645.0	18.5	20	665.0	18.5	20	685.0	18.5	20
705.0	18.5	20	725.0	18.5	20	745.0	18.5	20	765.0	18.5	20	785.0	18.5	20
805.0	18.5	20	825.0	18.5	20	845.0	18.5	20	865.0	18.5	20	885.0	18.5	20
905.0	18.5	20	925.0	18.5	20												

Sezione a quota 729
Coordinate dei vertici

X	Y
-895.0	25.0
-895.0	142.8
-845.0	142.8
-845.0	25.0
900.0	25.0
900.0	142.8
945.0	142.8
945.0	25.0
945.0	-25.0
-895.0	-25.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-875.0	-18.5	20	-855.0	-18.5	20	-835.0	-18.5	20	-815.0	-18.5	20	-795.0	-18.5	20
-775.0	-18.5	20	-755.0	-18.5	20	-735.0	-18.5	20	-715.0	-18.5	20	-695.0	-18.5	20
-675.0	-18.5	20	-655.0	-18.5	20	-635.0	-18.5	20	-615.0	-18.5	20	-595.0	-18.5	20
-575.0	-18.5	20	-555.0	-18.5	20	-535.0	-18.5	20	-515.0	-18.5	20	-495.0	-18.5	20
-475.0	-18.5	20	-455.0	-18.5	20	-435.0	-18.5	20	-415.0	-18.5	20	-395.0	-18.5	20
-375.0	-18.5	20	-355.0	-18.5	20	-335.0	-18.5	20	-315.0	-18.5	20	-295.0	-18.5	20
-275.0	-18.5	20	-255.0	-18.5	20	-235.0	-18.5	20	-215.0	-18.5	20	-195.0	-18.5	20
-175.0	-18.5	20	-155.0	-18.5	20	-135.0	-18.5	20	-115.0	-18.5	20	-95.0	-18.5	20
-75.0	-18.5	20	-55.0	-18.5	20	-35.0	-18.5	20	-15.0	-18.5	20	5.0	-18.5	20
25.0	-18.5	20	45.0	-18.5	20	65.0	-18.5	20	85.0	-18.5	20	105.0	-18.5	20
125.0	-18.5	20	145.0	-18.5	20	165.0	-18.5	20	185.0	-18.5	20	205.0	-18.5	20
225.0	-18.5	20	245.0	-18.5	20	265.0	-18.5	20	285.0	-18.5	20	305.0	-18.5	20
325.0	-18.5	20	345.0	-18.5	20	365.0	-18.5	20	385.0	-18.5	20	405.0	-18.5	20
425.0	-18.5	20	445.0	-18.5	20	465.0	-18.5	20	485.0	-18.5	20	505.0	-18.5	20
525.0	-18.5	20	545.0	-18.5	20	565.0	-18.5	20	585.0	-18.5	20	605.0	-18.5	20

625.0	−18.5	20	645.0	−18.5	20	665.0	−18.5	20	685.0	−18.5	20	705.0	−18.5	20
725.0	−18.5	20	745.0	−18.5	20	765.0	−18.5	20	785.0	−18.5	20	805.0	−18.5	20
825.0	−18.5	20	845.0	−18.5	20	865.0	−18.5	20	885.0	−18.5	20	905.0	−18.5	20
925.0	−18.5	20	−875.0	18.5	20	−855.0	18.5	20	−835.0	18.5	20	−815.0	18.5	20
−795.0	18.5	20	−775.0	18.5	20	−755.0	18.5	20	−735.0	18.5	20	−715.0	18.5	20
−695.0	18.5	20	−675.0	18.5	20	−655.0	18.5	20	−635.0	18.5	20	−615.0	18.5	20
−595.0	18.5	20	−575.0	18.5	20	−555.0	18.5	20	−535.0	18.5	20	−515.0	18.5	20
−495.0	18.5	20	−475.0	18.5	20	−455.0	18.5	20	−435.0	18.5	20	−415.0	18.5	20
−395.0	18.5	20	−375.0	18.5	20	−355.0	18.5	20	−335.0	18.5	20	−315.0	18.5	20
−295.0	18.5	20	−275.0	18.5	20	−255.0	18.5	20	−235.0	18.5	20	−215.0	18.5	20
−195.0	18.5	20	−175.0	18.5	20	−155.0	18.5	20	−135.0	18.5	20	−115.0	18.5	20
−95.0	18.5	20	−75.0	18.5	20	−55.0	18.5	20	−35.0	18.5	20	−15.0	18.5	20
5.0	18.5	20	25.0	18.5	20	45.0	18.5	20	65.0	18.5	20	85.0	18.5	20
105.0	18.5	20	125.0	18.5	20	145.0	18.5	20	165.0	18.5	20	185.0	18.5	20
205.0	18.5	20	225.0	18.5	20	245.0	18.5	20	265.0	18.5	20	285.0	18.5	20
305.0	18.5	20	325.0	18.5	20	345.0	18.5	20	365.0	18.5	20	385.0	18.5	20
405.0	18.5	20	425.0	18.5	20	445.0	18.5	20	465.0	18.5	20	485.0	18.5	20
505.0	18.5	20	525.0	18.5	20	545.0	18.5	20	565.0	18.5	20	585.0	18.5	20
605.0	18.5	20	625.0	18.5	20	645.0	18.5	20	665.0	18.5	20	685.0	18.5	20
705.0	18.5	20	725.0	18.5	20	745.0	18.5	20	765.0	18.5	20	785.0	18.5	20
805.0	18.5	20	825.0	18.5	20	845.0	18.5	20	865.0	18.5	20	885.0	18.5	20
905.0	18.5	20	925.0	18.5	20										

Sezione a quota 731
Coordinate dei vertici

X	Y
−895.0	25.0
−895.0	142.3
−845.0	142.3
−845.0	25.0
900.0	25.0
900.0	142.3
945.0	142.3
945.0	25.0
945.0	−25.0
−895.0	−25.0

Armature verticali

X	Y	∅	X	Y	∅	X	Y	∅	X	Y	∅	X	Y	∅
−875.0	−18.5	20	−855.0	−18.5	20	−835.0	−18.5	20	−815.0	−18.5	20	−795.0	−18.5	20
−775.0	−18.5	20	−755.0	−18.5	20	−735.0	−18.5	20	−715.0	−18.5	20	−695.0	−18.5	20
−675.0	−18.5	20	−655.0	−18.5	20	−635.0	−18.5	20	−615.0	−18.5	20	−595.0	−18.5	20
−575.0	−18.5	20	−555.0	−18.5	20	−535.0	−18.5	20	−515.0	−18.5	20	−495.0	−18.5	20
−475.0	−18.5	20	−455.0	−18.5	20	−435.0	−18.5	20	−415.0	−18.5	20	−395.0	−18.5	20
−375.0	−18.5	20	−355.0	−18.5	20	−335.0	−18.5	20	−315.0	−18.5	20	−295.0	−18.5	20
−275.0	−18.5	20	−255.0	−18.5	20	−235.0	−18.5	20	−215.0	−18.5	20	−195.0	−18.5	20
−175.0	−18.5	20	−155.0	−18.5	20	−135.0	−18.5	20	−115.0	−18.5	20	−95.0	−18.5	20
−75.0	−18.5	20	−55.0	−18.5	20	−35.0	−18.5	20	−15.0	−18.5	20	5.0	−18.5	20
25.0	−18.5	20	45.0	−18.5	20	65.0	−18.5	20	85.0	−18.5	20	105.0	−18.5	20
125.0	−18.5	20	145.0	−18.5	20	165.0	−18.5	20	185.0	−18.5	20	205.0	−18.5	20
225.0	−18.5	20	245.0	−18.5	20	265.0	−18.5	20	285.0	−18.5	20	305.0	−18.5	20
325.0	−18.5	20	345.0	−18.5	20	365.0	−18.5	20	385.0	−18.5	20	405.0	−18.5	20
425.0	−18.5	20	445.0	−18.5	20	465.0	−18.5	20	485.0	−18.5	20	505.0	−18.5	20
525.0	−18.5	20	545.0	−18.5	20	565.0	−18.5	20	585.0	−18.5	20	605.0	−18.5	20
625.0	−18.5	20	645.0	−18.5	20	665.0	−18.5	20	685.0	−18.5	20	705.0	−18.5	20
725.0	−18.5	20	745.0	−18.5	20	765.0	−18.5	20	785.0	−18.5	20	805.0	−18.5	20
825.0	−18.5	20	845.0	−18.5	20	865.0	−18.5	20	885.0	−18.5	20	905.0	−18.5	20
925.0	−18.5	20	−875.0	18.5	20	−855.0	18.5	20	−835.0	18.5	20	−815.0	18.5	20
−795.0	18.5	20	−775.0	18.5	20	−755.0	18.5	20	−735.0	18.5	20	−715.0	18.5	20
−695.0	18.5	20	−675.0	18.5	20	−655.0	18.5	20	−635.0	18.5	20	−615.0	18.5	20
−595.0	18.5	20	−575.0	18.5	20	−555.0	18.5	20	−535.0	18.5	20	−515.0	18.5	20
−495.0	18.5	20	−475.0	18.5	20	−455.0	18.5	20	−435.0	18.5	20	−415.0	18.5	20
−395.0	18.5	20	−375.0	18.5	20	−355.0	18.5	20	−335.0	18.5	20	−315.0	18.5	20
−295.0	18.5	20	−275.0	18.5	20	−255.0	18.5	20	−235.0	18.5	20	−215.0	18.5	20
−195.0	18.5	20	−175.0	18.5	20	−155.0	18.5	20	−135.0	18.5	20	−115.0	18.5	20
−95.0	18.5	20	−75.0	18.5	20	−55.0	18.5	20	−35.0	18.5	20	−15.0	18.5	20
5.0	18.5	20	25.0	18.5	20	45.0	18.5	20	65.0	18.5	20	85.0	18.5	20
105.0	18.5	20	125.0	18.5	20	145.0	18.5	20	165.0	18.5	20	185.0	18.5	20
205.0	18.5	20	225.0	18.5	20	245.0	18.5	20	265.0	18.5	20	285.0	18.5	20
305.0	18.5	20	325.0	18.5	20	345.0	18.5	20	365.0	18.5	20	385.0	18.5	20
405.0	18.5	20	425.0	18.5	20	445.0	18.5	20	465.0	18.5	20	485.0	18.5	20
505.0	18.5	20	525.0	18.5	20	545.0	18.5	20	565.0	18.5	20	585.0	18.5	20
605.0	18.5	20	625.0	18.5	20	645.0	18.5	20	665.0	18.5	20	685.0	18.5	20
705.0	18.5	20	725.0	18.5	20	745.0	18.5	20	765.0	18.5	20	785.0	18.5	20
805.0	18.5	20	825.0	18.5	20	845.0	18.5	20	865.0	18.5	20	885.0	18.5	20
905.0	18.5	20	925.0	18.5	20										

Sezione a quota 951
Coordinate dei vertici

X	Y
−895.0	25.0
−895.0	87.3
−845.0	87.3
−845.0	25.0
900.0	25.0
900.0	87.3
945.0	87.3
945.0	25.0
945.0	−25.0
−895.0	−25.0

Armature verticali

X	Y	∅	X	Y	∅	X	Y	∅	X	Y	∅	X	Y	∅
−875.0	−18.5	20	−855.0	−18.5	20	−835.0	−18.5	20	−815.0	−18.5	20	−795.0	−18.5	20

```
-775.0   -18.5   20    -755.0   -18.5   20    -735.0   -18.5   20    -715.0   -18.5   20    -695.0   -18.5   20
-675.0   -18.5   20    -655.0   -18.5   20    -635.0   -18.5   20    -615.0   -18.5   20    -595.0   -18.5   20
-575.0   -18.5   20    -555.0   -18.5   20    -535.0   -18.5   20    -515.0   -18.5   20    -495.0   -18.5   20
-475.0   -18.5   20    -455.0   -18.5   20    -435.0   -18.5   20    -415.0   -18.5   20    -395.0   -18.5   20
-375.0   -18.5   20    -355.0   -18.5   20    -335.0   -18.5   20    -315.0   -18.5   20    -295.0   -18.5   20
-275.0   -18.5   20    -255.0   -18.5   20    -235.0   -18.5   20    -215.0   -18.5   20    -195.0   -18.5   20
-175.0   -18.5   20    -155.0   -18.5   20    -135.0   -18.5   20    -115.0   -18.5   20     -95.0   -18.5   20
 -75.0   -18.5   20     -55.0   -18.5   20     -35.0   -18.5   20     -15.0   -18.5   20       5.0   -18.5   20
  25.0   -18.5   20      45.0   -18.5   20      65.0   -18.5   20      85.0   -18.5   20     105.0   -18.5   20
 125.0   -18.5   20     145.0   -18.5   20     165.0   -18.5   20     185.0   -18.5   20     205.0   -18.5   20
 225.0   -18.5   20     245.0   -18.5   20     265.0   -18.5   20     285.0   -18.5   20     305.0   -18.5   20
 325.0   -18.5   20     345.0   -18.5   20     365.0   -18.5   20     385.0   -18.5   20     405.0   -18.5   20
 425.0   -18.5   20     445.0   -18.5   20     465.0   -18.5   20     485.0   -18.5   20     505.0   -18.5   20
 525.0   -18.5   20     545.0   -18.5   20     565.0   -18.5   20     585.0   -18.5   20     605.0   -18.5   20
 625.0   -18.5   20     645.0   -18.5   20     665.0   -18.5   20     685.0   -18.5   20     705.0   -18.5   20
 725.0   -18.5   20     745.0   -18.5   20     765.0   -18.5   20     785.0   -18.5   20     805.0   -18.5   20
 825.0   -18.5   20     845.0   -18.5   20     865.0   -18.5   20     885.0   -18.5   20     905.0   -18.5   20
 925.0   -18.5   20    -875.0    18.5   20    -855.0    18.5   20    -835.0    18.5   20    -815.0    18.5   20
-795.0    18.5   20    -775.0    18.5   20    -755.0    18.5   20    -735.0    18.5   20    -715.0    18.5   20
-695.0    18.5   20    -675.0    18.5   20    -655.0    18.5   20    -635.0    18.5   20    -615.0    18.5   20
-595.0    18.5   20    -575.0    18.5   20    -555.0    18.5   20    -535.0    18.5   20    -515.0    18.5   20
-495.0    18.5   20    -475.0    18.5   20    -455.0    18.5   20    -435.0    18.5   20    -415.0    18.5   20
-395.0    18.5   20    -375.0    18.5   20    -355.0    18.5   20    -335.0    18.5   20    -315.0    18.5   20
-295.0    18.5   20    -275.0    18.5   20    -255.0    18.5   20    -235.0    18.5   20    -215.0    18.5   20
-195.0    18.5   20    -175.0    18.5   20    -155.0    18.5   20    -135.0    18.5   20    -115.0    18.5   20
 -95.0    18.5   20     -75.0    18.5   20     -55.0    18.5   20     -35.0    18.5   20     -15.0    18.5   20
   5.0    18.5   20      25.0    18.5   20      45.0    18.5   20      65.0    18.5   20      85.0    18.5   20
 105.0    18.5   20     125.0    18.5   20     145.0    18.5   20     165.0    18.5   20     185.0    18.5   20
 205.0    18.5   20     225.0    18.5   20     245.0    18.5   20     265.0    18.5   20     285.0    18.5   20
 305.0    18.5   20     325.0    18.5   20     345.0    18.5   20     365.0    18.5   20     385.0    18.5   20
 405.0    18.5   20     425.0    18.5   20     445.0    18.5   20     465.0    18.5   20     485.0    18.5   20
 505.0    18.5   20     525.0    18.5   20     545.0    18.5   20     565.0    18.5   20     585.0    18.5   20
 605.0    18.5   20     625.0    18.5   20     645.0    18.5   20     665.0    18.5   20     685.0    18.5   20
 705.0    18.5   20     725.0    18.5   20     745.0    18.5   20     765.0    18.5   20     785.0    18.5   20
 805.0    18.5   20     825.0    18.5   20     845.0    18.5   20     865.0    18.5   20     885.0    18.5   20
 905.0    18.5   20     925.0    18.5   20
```

Sezione a quota 1171
Coordinate dei vertici

```
     X        Y
 -895.0   -25.0
 -895.0    25.0
  945.0    25.0
  945.0   -25.0
```

Armature verticali

```
     X        Y     ø        X        Y     ø        X        Y     ø        X        Y     ø        X        Y     ø
-875.0   -18.5   20    -855.0   -18.5   20    -835.0   -18.5   20    -815.0   -18.5   20    -795.0   -18.5   20
-775.0   -18.5   20    -755.0   -18.5   20    -735.0   -18.5   20    -715.0   -18.5   20    -695.0   -18.5   20
-675.0   -18.5   20    -655.0   -18.5   20    -635.0   -18.5   20    -615.0   -18.5   20    -595.0   -18.5   20
-575.0   -18.5   20    -555.0   -18.5   20    -535.0   -18.5   20    -515.0   -18.5   20    -495.0   -18.5   20
-475.0   -18.5   20    -455.0   -18.5   20    -435.0   -18.5   20    -415.0   -18.5   20    -395.0   -18.5   20
-375.0   -18.5   20    -355.0   -18.5   20    -335.0   -18.5   20    -315.0   -18.5   20    -295.0   -18.5   20
-275.0   -18.5   20    -255.0   -18.5   20    -235.0   -18.5   20    -215.0   -18.5   20    -195.0   -18.5   20
-175.0   -18.5   20    -155.0   -18.5   20    -135.0   -18.5   20    -115.0   -18.5   20     -95.0   -18.5   20
 -75.0   -18.5   20     -55.0   -18.5   20     -35.0   -18.5   20     -15.0   -18.5   20       5.0   -18.5   20
  25.0   -18.5   20      45.0   -18.5   20      65.0   -18.5   20      85.0   -18.5   20     105.0   -18.5   20
 125.0   -18.5   20     145.0   -18.5   20     165.0   -18.5   20     185.0   -18.5   20     205.0   -18.5   20
 225.0   -18.5   20     245.0   -18.5   20     265.0   -18.5   20     285.0   -18.5   20     305.0   -18.5   20
 325.0   -18.5   20     345.0   -18.5   20     365.0   -18.5   20     385.0   -18.5   20     405.0   -18.5   20
 425.0   -18.5   20     445.0   -18.5   20     465.0   -18.5   20     485.0   -18.5   20     505.0   -18.5   20
 525.0   -18.5   20     545.0   -18.5   20     565.0   -18.5   20     585.0   -18.5   20     605.0   -18.5   20
 625.0   -18.5   20     645.0   -18.5   20     665.0   -18.5   20     685.0   -18.5   20     705.0   -18.5   20
 725.0   -18.5   20     745.0   -18.5   20     765.0   -18.5   20     785.0   -18.5   20     805.0   -18.5   20
 825.0   -18.5   20     845.0   -18.5   20     865.0   -18.5   20     885.0   -18.5   20     905.0   -18.5   20
 925.0   -18.5   20    -875.0    18.5   20    -855.0    18.5   20    -835.0    18.5   20    -815.0    18.5   20
-795.0    18.5   20    -775.0    18.5   20    -755.0    18.5   20    -735.0    18.5   20    -715.0    18.5   20
-695.0    18.5   20    -675.0    18.5   20    -655.0    18.5   20    -635.0    18.5   20    -615.0    18.5   20
-595.0    18.5   20    -575.0    18.5   20    -555.0    18.5   20    -535.0    18.5   20    -515.0    18.5   20
-495.0    18.5   20    -475.0    18.5   20    -455.0    18.5   20    -435.0    18.5   20    -415.0    18.5   20
-395.0    18.5   20    -375.0    18.5   20    -355.0    18.5   20    -335.0    18.5   20    -315.0    18.5   20
-295.0    18.5   20    -275.0    18.5   20    -255.0    18.5   20    -235.0    18.5   20    -215.0    18.5   20
-195.0    18.5   20    -175.0    18.5   20    -155.0    18.5   20    -135.0    18.5   20    -115.0    18.5   20
 -95.0    18.5   20     -75.0    18.5   20     -55.0    18.5   20     -35.0    18.5   20     -15.0    18.5   20
   5.0    18.5   20      25.0    18.5   20      45.0    18.5   20      65.0    18.5   20      85.0    18.5   20
 105.0    18.5   20     125.0    18.5   20     145.0    18.5   20     165.0    18.5   20     185.0    18.5   20
 205.0    18.5   20     225.0    18.5   20     245.0    18.5   20     265.0    18.5   20     285.0    18.5   20
 305.0    18.5   20     325.0    18.5   20     345.0    18.5   20     365.0    18.5   20     385.0    18.5   20
 405.0    18.5   20     425.0    18.5   20     445.0    18.5   20     465.0    18.5   20     485.0    18.5   20
 505.0    18.5   20     525.0    18.5   20     545.0    18.5   20     565.0    18.5   20     585.0    18.5   20
 605.0    18.5   20     625.0    18.5   20     645.0    18.5   20     665.0    18.5   20     685.0    18.5   20
 705.0    18.5   20     725.0    18.5   20     745.0    18.5   20     765.0    18.5   20     785.0    18.5   20
 805.0    18.5   20     825.0    18.5   20     845.0    18.5   20     865.0    18.5   20     885.0    18.5   20
 905.0    18.5   20     925.0    18.5   20
```

Sezione a quota 1173
Coordinate dei vertici

```
     X        Y
 -895.0   -25.0
 -895.0    25.0
  945.0    25.0
  945.0   -25.0
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-875.0	-18.5	20	-855.0	-18.5	20	-835.0	-18.5	20	-815.0	-18.5	20	-795.0	-18.5	20
-775.0	-18.5	20	-755.0	-18.5	20	-735.0	-18.5	20	-715.0	-18.5	20	-695.0	-18.5	20
-675.0	-18.5	20	-655.0	-18.5	20	-635.0	-18.5	20	-615.0	-18.5	20	-595.0	-18.5	20
-575.0	-18.5	20	-555.0	-18.5	20	-535.0	-18.5	20	-515.0	-18.5	20	-495.0	-18.5	20
-475.0	-18.5	20	-455.0	-18.5	20	-435.0	-18.5	20	-415.0	-18.5	20	-395.0	-18.5	20
-375.0	-18.5	20	-355.0	-18.5	20	-335.0	-18.5	20	-315.0	-18.5	20	-295.0	-18.5	20
-275.0	-18.5	20	-255.0	-18.5	20	-235.0	-18.5	20	-215.0	-18.5	20	-195.0	-18.5	20
-175.0	-18.5	20	-155.0	-18.5	20	-135.0	-18.5	20	-115.0	-18.5	20	-95.0	-18.5	20
-75.0	-18.5	20	-55.0	-18.5	20	-35.0	-18.5	20	-15.0	-18.5	20	5.0	-18.5	20
25.0	-18.5	20	45.0	-18.5	20	65.0	-18.5	20	85.0	-18.5	20	105.0	-18.5	20
125.0	-18.5	20	145.0	-18.5	20	165.0	-18.5	20	185.0	-18.5	20	205.0	-18.5	20
225.0	-18.5	20	245.0	-18.5	20	265.0	-18.5	20	285.0	-18.5	20	305.0	-18.5	20
325.0	-18.5	20	345.0	-18.5	20	365.0	-18.5	20	385.0	-18.5	20	405.0	-18.5	20
425.0	-18.5	20	445.0	-18.5	20	465.0	-18.5	20	485.0	-18.5	20	505.0	-18.5	20
525.0	-18.5	20	545.0	-18.5	20	565.0	-18.5	20	585.0	-18.5	20	605.0	-18.5	20
625.0	-18.5	20	645.0	-18.5	20	665.0	-18.5	20	685.0	-18.5	20	705.0	-18.5	20
725.0	-18.5	20	745.0	-18.5	20	765.0	-18.5	20	785.0	-18.5	20	805.0	-18.5	20
825.0	-18.5	20	845.0	-18.5	20	865.0	-18.5	20	885.0	-18.5	20	905.0	-18.5	20
925.0	-18.5	20	-875.0	18.5	20	-855.0	18.5	20	-835.0	18.5	20	-815.0	18.5	20
-795.0	18.5	20	-775.0	18.5	20	-755.0	18.5	20	-735.0	18.5	20	-715.0	18.5	20
-695.0	18.5	20	-675.0	18.5	20	-655.0	18.5	20	-635.0	18.5	20	-615.0	18.5	20
-595.0	18.5	20	-575.0	18.5	20	-555.0	18.5	20	-535.0	18.5	20	-515.0	18.5	20
-495.0	18.5	20	-475.0	18.5	20	-455.0	18.5	20	-435.0	18.5	20	-415.0	18.5	20
-395.0	18.5	20	-375.0	18.5	20	-355.0	18.5	20	-335.0	18.5	20	-315.0	18.5	20
-295.0	18.5	20	-275.0	18.5	20	-255.0	18.5	20	-235.0	18.5	20	-215.0	18.5	20
-195.0	18.5	20	-175.0	18.5	20	-155.0	18.5	20	-135.0	18.5	20	-115.0	18.5	20
-95.0	18.5	20	-75.0	18.5	20	-55.0	18.5	20	-35.0	18.5	20	-15.0	18.5	20
5.0	18.5	20	25.0	18.5	20	45.0	18.5	20	65.0	18.5	20	85.0	18.5	20
105.0	18.5	20	125.0	18.5	20	145.0	18.5	20	165.0	18.5	20	185.0	18.5	20
205.0	18.5	20	225.0	18.5	20	245.0	18.5	20	265.0	18.5	20	285.0	18.5	20
305.0	18.5	20	325.0	18.5	20	345.0	18.5	20	365.0	18.5	20	385.0	18.5	20
405.0	18.5	20	425.0	18.5	20	445.0	18.5	20	465.0	18.5	20	485.0	18.5	20
505.0	18.5	20	525.0	18.5	20	545.0	18.5	20	565.0	18.5	20	585.0	18.5	20
605.0	18.5	20	625.0	18.5	20	645.0	18.5	20	665.0	18.5	20	685.0	18.5	20
705.0	18.5	20	725.0	18.5	20	745.0	18.5	20	765.0	18.5	20	785.0	18.5	20
805.0	18.5	20	825.0	18.5	20	845.0	18.5	20	865.0	18.5	20	885.0	18.5	20
905.0	18.5	20	925.0	18.5	20									

```
Sezione a quota 1236
Coordinate dei vertici
```

X	Y
-895.0	-25.0
-895.0	25.0
945.0	25.0
945.0	-25.0

```
Armature verticali
```

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-875.0	-18.5	20	-855.0	-18.5	20	-835.0	-18.5	20	-815.0	-18.5	20	-795.0	-18.5	20
-775.0	-18.5	20	-755.0	-18.5	20	-735.0	-18.5	20	-715.0	-18.5	20	-695.0	-18.5	20
-675.0	-18.5	20	-655.0	-18.5	20	-635.0	-18.5	20	-615.0	-18.5	20	-595.0	-18.5	20
-575.0	-18.5	20	-555.0	-18.5	20	-535.0	-18.5	20	-515.0	-18.5	20	-495.0	-18.5	20
-475.0	-18.5	20	-455.0	-18.5	20	-435.0	-18.5	20	-415.0	-18.5	20	-395.0	-18.5	20
-375.0	-18.5	20	-355.0	-18.5	20	-335.0	-18.5	20	-315.0	-18.5	20	-295.0	-18.5	20
-275.0	-18.5	20	-255.0	-18.5	20	-235.0	-18.5	20	-215.0	-18.5	20	-195.0	-18.5	20
-175.0	-18.5	20	-155.0	-18.5	20	-135.0	-18.5	20	-115.0	-18.5	20	-95.0	-18.5	20
-75.0	-18.5	20	-55.0	-18.5	20	-35.0	-18.5	20	-15.0	-18.5	20	5.0	-18.5	20
25.0	-18.5	20	45.0	-18.5	20	65.0	-18.5	20	85.0	-18.5	20	105.0	-18.5	20
125.0	-18.5	20	145.0	-18.5	20	165.0	-18.5	20	185.0	-18.5	20	205.0	-18.5	20
225.0	-18.5	20	245.0	-18.5	20	265.0	-18.5	20	285.0	-18.5	20	305.0	-18.5	20
325.0	-18.5	20	345.0	-18.5	20	365.0	-18.5	20	385.0	-18.5	20	405.0	-18.5	20
425.0	-18.5	20	445.0	-18.5	20	465.0	-18.5	20	485.0	-18.5	20	505.0	-18.5	20
525.0	-18.5	20	545.0	-18.5	20	565.0	-18.5	20	585.0	-18.5	20	605.0	-18.5	20
625.0	-18.5	20	645.0	-18.5	20	665.0	-18.5	20	685.0	-18.5	20	705.0	-18.5	20
725.0	-18.5	20	745.0	-18.5	20	765.0	-18.5	20	785.0	-18.5	20	805.0	-18.5	20
825.0	-18.5	20	845.0	-18.5	20	865.0	-18.5	20	885.0	-18.5	20	905.0	-18.5	20
925.0	-18.5	20	-875.0	18.5	20	-855.0	18.5	20	-835.0	18.5	20	-815.0	18.5	20
-795.0	18.5	20	-775.0	18.5	20	-755.0	18.5	20	-735.0	18.5	20	-715.0	18.5	20
-695.0	18.5	20	-675.0	18.5	20	-655.0	18.5	20	-635.0	18.5	20	-615.0	18.5	20
-595.0	18.5	20	-575.0	18.5	20	-555.0	18.5	20	-535.0	18.5	20	-515.0	18.5	20
-495.0	18.5	20	-475.0	18.5	20	-455.0	18.5	20	-435.0	18.5	20	-415.0	18.5	20
-395.0	18.5	20	-375.0	18.5	20	-355.0	18.5	20	-335.0	18.5	20	-315.0	18.5	20
-295.0	18.5	20	-275.0	18.5	20	-255.0	18.5	20	-235.0	18.5	20	-215.0	18.5	20
-195.0	18.5	20	-175.0	18.5	20	-155.0	18.5	20	-135.0	18.5	20	-115.0	18.5	20
-95.0	18.5	20	-75.0	18.5	20	-55.0	18.5	20	-35.0	18.5	20	-15.0	18.5	20
5.0	18.5	20	25.0	18.5	20	45.0	18.5	20	65.0	18.5	20	85.0	18.5	20
105.0	18.5	20	125.0	18.5	20	145.0	18.5	20	165.0	18.5	20	185.0	18.5	20
205.0	18.5	20	225.0	18.5	20	245.0	18.5	20	265.0	18.5	20	285.0	18.5	20
305.0	18.5	20	325.0	18.5	20	345.0	18.5	20	365.0	18.5	20	385.0	18.5	20
405.0	18.5	20	425.0	18.5	20	445.0	18.5	20	465.0	18.5	20	485.0	18.5	20
505.0	18.5	20	525.0	18.5	20	545.0	18.5	20	565.0	18.5	20	585.0	18.5	20
605.0	18.5	20	625.0	18.5	20	645.0	18.5	20	665.0	18.5	20	685.0	18.5	20
705.0	18.5	20	725.0	18.5	20	745.0	18.5	20	765.0	18.5	20	785.0	18.5	20
805.0	18.5	20	825.0	18.5	20	845.0	18.5	20	865.0	18.5	20	885.0	18.5	20
905.0	18.5	20	925.0	18.5	20									

```
Sezione a quota 1299
Coordinate dei vertici
```

X	Y
-895.0	-25.0
-895.0	25.0
945.0	25.0
945.0	-25.0

Armature verticali

X	Y	⌀	X	Y	⌀	X	Y	⌀	X	Y	⌀	X	Y	⌀
-875.0	-18.5	20	-855.0	-18.5	20	-835.0	-18.5	20	-815.0	-18.5	20	-795.0	-18.5	20
-775.0	-18.5	20	-755.0	-18.5	20	-735.0	-18.5	20	-715.0	-18.5	20	-695.0	-18.5	20
-675.0	-18.5	20	-655.0	-18.5	20	-635.0	-18.5	20	-615.0	-18.5	20	-595.0	-18.5	20
-575.0	-18.5	20	-555.0	-18.5	20	-535.0	-18.5	20	-515.0	-18.5	20	-495.0	-18.5	20
-475.0	-18.5	20	-455.0	-18.5	20	-435.0	-18.5	20	-415.0	-18.5	20	-395.0	-18.5	20
-375.0	-18.5	20	-355.0	-18.5	20	-335.0	-18.5	20	-315.0	-18.5	20	-295.0	-18.5	20
-275.0	-18.5	20	-255.0	-18.5	20	-235.0	-18.5	20	-215.0	-18.5	20	-195.0	-18.5	20
-175.0	-18.5	20	-155.0	-18.5	20	-135.0	-18.5	20	-115.0	-18.5	20	-95.0	-18.5	20
-75.0	-18.5	20	-55.0	-18.5	20	-35.0	-18.5	20	-15.0	-18.5	20	5.0	-18.5	20
25.0	-18.5	20	45.0	-18.5	20	65.0	-18.5	20	85.0	-18.5	20	105.0	-18.5	20
125.0	-18.5	20	145.0	-18.5	20	165.0	-18.5	20	185.0	-18.5	20	205.0	-18.5	20
225.0	-18.5	20	245.0	-18.5	20	265.0	-18.5	20	285.0	-18.5	20	305.0	-18.5	20
325.0	-18.5	20	345.0	-18.5	20	365.0	-18.5	20	385.0	-18.5	20	405.0	-18.5	20
425.0	-18.5	20	445.0	-18.5	20	465.0	-18.5	20	485.0	-18.5	20	505.0	-18.5	20
525.0	-18.5	20	545.0	-18.5	20	565.0	-18.5	20	585.0	-18.5	20	605.0	-18.5	20
625.0	-18.5	20	645.0	-18.5	20	665.0	-18.5	20	685.0	-18.5	20	705.0	-18.5	20
725.0	-18.5	20	745.0	-18.5	20	765.0	-18.5	20	785.0	-18.5	20	805.0	-18.5	20
825.0	-18.5	20	845.0	-18.5	20	865.0	-18.5	20	885.0	-18.5	20	905.0	-18.5	20
925.0	-18.5	20	-875.0	18.5	20	-855.0	18.5	20	-835.0	18.5	20	-815.0	18.5	20
-795.0	18.5	20	-775.0	18.5	20	-755.0	18.5	20	-735.0	18.5	20	-715.0	18.5	20
-695.0	18.5	20	-675.0	18.5	20	-655.0	18.5	20	-635.0	18.5	20	-615.0	18.5	20
-595.0	18.5	20	-575.0	18.5	20	-555.0	18.5	20	-535.0	18.5	20	-515.0	18.5	20
-495.0	18.5	20	-475.0	18.5	20	-455.0	18.5	20	-435.0	18.5	20	-415.0	18.5	20
-395.0	18.5	20	-375.0	18.5	20	-355.0	18.5	20	-335.0	18.5	20	-315.0	18.5	20
-295.0	18.5	20	-275.0	18.5	20	-255.0	18.5	20	-235.0	18.5	20	-215.0	18.5	20
-195.0	18.5	20	-175.0	18.5	20	-155.0	18.5	20	-135.0	18.5	20	-115.0	18.5	20
-95.0	18.5	20	-75.0	18.5	20	-55.0	18.5	20	-35.0	18.5	20	-15.0	18.5	20
5.0	18.5	20	25.0	18.5	20	45.0	18.5	20	65.0	18.5	20	85.0	18.5	20
105.0	18.5	20	125.0	18.5	20	145.0	18.5	20	165.0	18.5	20	185.0	18.5	20
205.0	18.5	20	225.0	18.5	20	245.0	18.5	20	265.0	18.5	20	285.0	18.5	20
305.0	18.5	20	325.0	18.5	20	345.0	18.5	20	365.0	18.5	20	385.0	18.5	20
405.0	18.5	20	425.0	18.5	20	445.0	18.5	20	465.0	18.5	20	485.0	18.5	20
505.0	18.5	20	525.0	18.5	20	545.0	18.5	20	565.0	18.5	20	585.0	18.5	20
605.0	18.5	20	625.0	18.5	20	645.0	18.5	20	665.0	18.5	20	685.0	18.5	20
705.0	18.5	20	725.0	18.5	20	745.0	18.5	20	765.0	18.5	20	785.0	18.5	20
805.0	18.5	20	825.0	18.5	20	845.0	18.5	20	865.0	18.5	20	885.0	18.5	20
905.0	18.5	20	925.0	18.5	20										

Verifica eseguita con comportamento non dissipativo
Le condizioni sismiche sono state moltiplicate per i rispettivi fattori di struttura

fcd	fctd	Hcr	q.Hcr	hw	Lw	n.p.	hs
212	16	365	315	1350	1840	10	158

Verifica a pressoflessione

quota	Mxd	Myd	Ned	Ngrav.	NReale	c.s.	comb
-4	12094990	-96692220	-311824	-311824	-311824	2.6399	5 SLU
-4	16999830	-33764080	-126413	-213685	-126413	2.4902	1 SLV
51	7303200	-93984320	-307282	-307282	-307282	17.1030	5 SLU
51	10890830	-32886440	-85381	-210248	-85381	7.3907	3 SLV
105	3378830	-88799800	-284825	-284825	-284825	42.3253	5 SLU
105	-2452345	-85469530	-267888	-195026	-267888	23.8404	16 SLV
107	12696410	-89689630	-382415	-382415	-382415	18.8151	5 SLU
107	19612660	-43827250	-4667	-266312	-4667	10.0822	3 SLV
185	1745214	-81961220	-362603	-362603	-362603	34.6148	7 SLU
185	-4616798	-65020900	-375736	-248921	-375736	15.4528	16 SLV
263	-4653349	-73911460	-334968	-334968	-334968	16.9717	7 SLU
263	-4727693	13001040	51485	-229636	51485	10.6385	7 SLV
265	-4780729	-73732130	-334968	-334968	-334968	16.7350	7 SLU
265	-4806659	13967300	51485	-229636	51485	10.4640	7 SLV
267	-4908109	-73552810	-334968	-334968	-334968	16.5048	7 SLU
267	-4885624	14933560	51485	-229636	51485	10.2950	7 SLV
269	-5032451	-73330860	-334823	-334823	-334823	16.2904	7 SLU
269	-4959751	15993760	51712	-229701	51712	10.1281	7 SLV
271	-5971905	12284570	-566080	-566080	-566080	16.6922	7 SLU
271	-6880856	-30440660	-60555	-389620	-60555	11.8623	3 SLV
433	-9512293	11882480	-482773	-482773	-482773	10.6972	5 SLU
433	-14539530	-977181	-35933	-336824	-35933	3.3951	3 SLV
594	-226282	15836980	-428938	-428938	-428938	44.7394	7 SLU
594	-5460542	23859510	-93608	-294186	-93608	11.4689	1 SLV
596	-50698	15932840	-428938	-428938	-428938	45.5735	7 SLU
596	-5233106	23716590	-93608	-294186	-93608	12.1164	1 SLV
613	1507096	16643640	-419638	-419638	-419638	48.2585	7 SLU
613	-3228871	25076300	-95253	-288126	-95253	22.9599	1 SLV
629	2842517	14473670	-409111	-409111	-409111	49.3381	7 SLU
629	3090832	-18739560	-528517	-281504	-528517	38.1913	14 SLV
631	1124985	5722311	-392243	-392243	-392243	51.2513	7 SLU
631	1940947	-25315930	-515407	-272694	-515407	39.0040	14 SLV
679	1953057	5881592	-375127	-375127	-375127	53.0805	7 SLU
679	2015256	-17116020	-492351	-260670	-492351	40.4426	14 SLV
726	2834035	6577492	-359561	-359561	-359561	54.8473	7 SLU
726	1952026	-32240250	-461786	-249235	-461786	42.7057	14 SLV
728	2872794	6553272	-359561	-359561	-359561	54.8249	7 SLU
728	1949897	-32393560	-462330	-249235	-462330	42.6381	14 SLV
729	2882476	6547225	-359561	-359561	-359561	54.8193	7 SLU
729	1947831	-32428840	-462330	-249235	-462330	42.6338	14 SLV
729	2892157	6541178	-359561	-359561	-359561	54.8137	7 SLU
729	1945766	-32464120	-462330	-249235	-462330	42.6294	14 SLV
731	172861	10538230	-333280	-333280	-333280	59.1120	7 SLU
731	-1484455	-3814494	-368659	-232363	-368659	46.0459	10 SLV

```
 951    444743    4015542   -246301   -246301  -246301  76.3947  7 SLU
 951  -3235684   28878410   -125979   -170107  -125979  26.5050  2 SLV
1171    488246      83802   -178600   -178600  -178600  99.7469  7 SLU
1171  -3460269    8810764    -77231   -119583   -77231  21.9632  3 SLV
1173     66060     746102   -149789   -149789  -149789 118.9324  7 SLU
1173  -3987844    9045031    -88953    -99247   -88953  19.2398  2 SLV
1236     40199    1421345   -134828   -134828  -134828 132.1303  7 SLU
1236  -2260867    4000951    -82477    -87910   -82477  51.4571  2 SLV
1299      4614    -618616   -112063   -112063  -112063 158.9720  7 SLU
1299     29563   -3449197    -76965    -70390   -76965 231.4663 10 SLV
```

Verifica compressione del diagonale
```
quota  epsilon      VEd      Vrcd comb
  -4     1.00     -32781  1966882  6 SLU
  -4     1.00    -246337  1928558  7 SLV
  51     1.00     -32778  1965974  6 SLU
  51     1.00    -247196  1928138  7 SLV
 105     1.00     -29764  1961278  6 SLU
 105     1.00    -251133  1917136  7 SLV
 107     1.00    -116423  1980388  6 SLU
 107     1.00    -493806  1905776  7 SLV
 185     1.00    -109030  1975319  6 SLU
 185     1.00    -493642  1904850  7 SLV
 263     1.00    -101459  1969807  6 SLU
 263     1.00    -483131  1904850  7 SLV
 265     1.00    -101459  1969807  6 SLU
 265     1.00    -483131  1904850  7 SLV
 267     1.00    -101459  1969807  6 SLU
 267     1.00    -483131  1904850  7 SLV
 269     1.00    -101448  1969778  6 SLU
 269     1.00    -482575  1904850  7 SLV
 271     1.00     -88509  4005625  6 SLU
 271     1.00    -497909  3930179  7 SLV
 433     1.00     -66763  3990497  6 SLU
 433     1.00    -451911  3922232  7 SLV
 594     1.00     -58015  3978597  6 SLU
 594     1.00    -399651  3919693  7 SLV
 596     1.00     -58015  3978597  6 SLU
 596     1.00    -399651  3919693  7 SLV
 613     1.00     -53026  3976674  6 SLU
 613     1.00    -400621  3915629  7 SLV
 629     1.00     -17062  3975676  8 SLU
 629     1.00    -349015  3938358 11 SLV
 631     1.00      11514  3971725  5 SLU
 631     1.00     329859  3959770  6 SLV
 679     1.00      12871  3968358  5 SLU
 679     1.00     320942  3955586  6 SLV
 726     1.00      12353  3965336  5 SLU
 726     1.00     312791  3956024  6 SLV
 728     1.00      12339  3965336  5 SLU
 728     1.00     312032  3955998  6 SLV
 729     1.00      12339  3965336  5 SLU
 729     1.00     312032  3955998  6 SLV
 729     1.00      12339  3965336  5 SLU
 729     1.00     312032  3955998  6 SLV
 731     1.00      36179  3960154  5 SLU
 731     1.00     246305  3948383  6 SLV
 951     1.00      18292  3943292  5 SLU
 951     1.00     210418  3935709  6 SLV
1171     1.00      15405  3929939  5 SLU
1171     1.00     160332  3924450  6 SLV
1173     1.00      14589  3924238  5 SLU
1173     1.00     123116  3916708  6 SLV
1236     1.00      14289  3921291  5 SLU
1236     1.00     112172  3912996  6 SLV
1299     1.00      14284  3916750  5 SLU
1299     1.00     106718  3909250  6 SLV
```

Verifica trazione del diagonale
```
quota  alfaS   At    roh    rov      MEd       NEd      VEd     VRsd comb
  -4    0.00 596.9 0.0059 0.0133 -96950390  -310162   -32781  835048  6 SLU
  -4    0.00 596.9 0.0059 0.0133 -66111430  -118540  -246337  835048  7 SLV
  51    0.00 596.9 0.0063 0.0133 -93907940  -305619   -32778  885183  6 SLU
  51    0.00 596.9 0.0063 0.0133 -52177240  -116440  -247196  885183  7 SLV
 105    0.00 596.9 0.0063 0.0133 -88300910  -282140   -29764  885183  6 SLU
 105    0.00 596.9 0.0063 0.0133 -32750030   -61430  -251133  885183  7 SLV
 107    0.00 596.9 0.0063 0.0133 -89563110  -377689  -116423  885183  6 SLU
 107    0.00 596.9 0.0063 0.0133 -53827120    -4630  -493806  885183  7 SLV
 185    0.00 596.9 0.0063 0.0133 -80723620  -352343  -109030  885183  6 SLU
 185    0.00 596.9 0.0063 0.0133 -19974830    27482  -493642  885183  7 SLV
 263    0.00 892.2 0.0063 0.0198 -71869920  -324785  -101459  885183  6 SLU
 263    0.00 892.2 0.0063 0.0198  13001040    51485  -483131  885183  7 SLV
 265    0.00 892.2 0.0063 0.0198 -71667010  -324785  -101459  885183  6 SLU
 265    0.00 892.2 0.0063 0.0198  13967300    51485  -483131  885183  7 SLV
 267    0.00 892.2 0.0063 0.0198 -71464090  -324785  -101459  885183  6 SLU
 267    0.00 892.2 0.0063 0.0198  14933560    51485  -483131  885183  7 SLV
 269    0.00 892.2 0.0063 0.0198 -71218540  -324640  -101448  885183  6 SLU
 269    0.00 892.2 0.0063 0.0198  15993760    51712  -482575  885183  7 SLV
 271    0.00 892.2 0.0063 0.0097   9656303  -556325   -88509 1809708  6 SLU
 271    0.00 892.2 0.0063 0.0097 -83007020  -179092  -497909 1809708  7 SLV
 433    0.00 571.8 0.0063 0.0062  10801990  -480682   -66763 1809708  6 SLU
 433    0.00 571.8 0.0063 0.0062 -37987670  -139359  -451911 1809708  7 SLV
 594    0.00 590.6 0.0063 0.0064  16015470  -422186   -58015 1809708  6 SLU
 594    0.00 590.6 0.0063 0.0064   7709823  -126664  -399651 1809708  7 SLV
```

```
 596   0.00 590.6  0.0063  0.0064   16131500  -421186   -58015  1809708  6 SLU
 596   0.00 590.6  0.0063  0.0064    8509126  -126664  -399651  1809708  7 SLV
 613   0.00 590.6  0.0063  0.0064   16888200  -411568   -53026  1809708 11 SLU
 613   0.00 590.6  0.0063  0.0064    2103240  -240684  -402950  1809708 11 SLV
 629   0.00 590.6  0.0063  0.0064   14399480  -406580   -17062  1809708  8 SLU
 629   0.00 590.6  0.0063  0.0064   -3820521  -219992  -349015  1809708 11 SLV
 631   0.00 571.8  0.0063  0.0062    6306272  -386823    11514  1809708  5 SLU
 631   0.00 571.8  0.0063  0.0062   13298370  -327049   329859  1809708  5 SLV
 679   0.00 571.8  0.0063  0.0062    6198986  -369988    12871  1809708  5 SLU
 679   0.00 571.8  0.0063  0.0062    4238297  -306132   320942  1809708  6 SLV
 726   0.00 571.8  0.0063  0.0062    7292354  -354881    12353  1809708  5 SLU
 726   0.00 571.8  0.0063  0.0062      85243  -308319   312791  1809708  6 SLV
 728   0.00 571.8  0.0063  0.0062    7267645  -354881    12339  1809708  5 SLU
 728   0.00 571.8  0.0063  0.0062    -542192  -308190   312032  1809708  6 SLV
 729   0.00 571.8  0.0063  0.0062    7261475  -354881    12339  1809708  5 SLU
 729   0.00 571.8  0.0063  0.0062    -698208  -308190   312032  1809708  6 SLV
 729   0.00 571.8  0.0063  0.0062    7255306  -354881    12339  1809708  5 SLU
 729   0.00 571.8  0.0063  0.0062    -854224  -308190   312032  1809708  6 SLV
 731   0.00 571.8  0.0063  0.0062   10926610  -328972    36179  1809708  5 SLU
 731   0.00 571.8  0.0063  0.0062    7705922  -270115   246305  1809708  6 SLV
 951   0.00 571.8  0.0067  0.0062    4435466  -244658    18292  1927350  5 SLU
 951   0.00 571.8  0.0067  0.0062   24909290  -206745   210418  1927350  6 SLV
1171   0.00 571.8  0.0063  0.0062     319026  -177895    15405  1809708  5 SLU
1171   0.00 571.8  0.0063  0.0062    7827405  -150449   160332  1809708  6 SLV
1173   0.00 571.8  0.0063  0.0062     868264  -149389    14589  1809708  5 SLU
1173   0.00 571.8  0.0063  0.0062    8711181  -111738   123116  1809708  6 SLV
1236   0.00 571.8  0.0063  0.0062    1427895  -134655    14289  1809708  5 SLU
1236   0.00 571.8  0.0063  0.0062    6717453   -93180   112172  1809708  6 SLV
1299   0.00 571.8  0.0063  0.0062    -560866  -111949    14284  1809708  5 SLU
1299   0.00 571.8  0.0063  0.0062   -2194624   -74448   106718  1809708  6 SLV
```

Parete ingresso
```
Parete fra le coordinate in pianta (-750;-870) (750;-870)
da quota -50 a quota 1300
Valori in daN, cm
C35/45_1: rck 450
fyk 4500
```

```
Verifica di stato limite ultimo
  nod sez   B   H   Af+   Af-   c+   c-    c.s.    comb       N        M        Nu       Mu
 1369  o 100  50  31.4  31.4  8.5  8.5   1.132   12 SLV   -7049 -4303248   -7982 -4873139
       v 100  50  21.4  21.4  9.5  9.5   6.548   11 SLV    5861  -399155   38377 -2613491
 1373  o 100  50  31.4  31.4  8.5  8.5   1.401   11 SLV   -3619 -3440438   -5073 -4821645
       v 100  50  21.4  21.4  9.5  9.5   6.668   11 SLV    4303  -419568   28690 -2797541
 2423  o  75  50  12.6  12.6  6.5  6.5   4.986   13 SLV   -1327  -439204   -6617 -2190035
       v 100  50  15.7  15.7  8.5  8.5   1.125   16 SLV  -20984 -2668030  -23607 -3001511
 2662  o 100  50  15.7  15.7  6.5  6.5   1.489    2 SLV  -11375 -1964793  -16938 -2925721
       v 100  50  15.7  15.7  8.5  8.5   1.022    2 SLV   11786 -2250376   12045 -2299991
```

```
Combinazione rara
  nod sez   B   H   Af+   Af-   c+   c-    sc   c      N        M       sf   c      N        M   Wk(mm) Wlim   st  Sm(mm)  c
 1369  o 100  50  31.4  31.4  8.5  8.5 -63.6 1 ra -2.67E04 -2.02E06 1472.6 1 ra -2.67E04 -2.02E06  0.119 99.00  0.0  288.0 1 ra
       v 100  50  21.4  21.4  9.5  9.5  -6.6 1 ra -8.79E03 -1.80E05   58.0 1 ra -8.79E03 -1.80E05  0.009 99.00  2.4    0.0 1 ra
 1373  o 100  50  31.4  31.4  8.5  8.5 -54.7 1 ra -1.78E04 -1.75E06 1356.2 1 ra -1.78E04 -1.75E06  0.069 99.00  0.0  161.7 1 ra
       v 100  50  21.4  21.4  9.5  9.5  -6.0 1 ra -5.66E03 -1.59E05   87.4 1 ra -5.66E03 -1.59E05  0.009 99.00  2.5    0.0 1 ra
 2423  o  75  50  12.6  12.6  6.5  6.5  -9.7 1 ra  6.62E02 -2.00E05  431.8 1 ra  6.62E02 -2.00E05  0.009 99.00  6.2    0.0 1 ra
       v 100  50  15.7  15.7  8.5  8.5 -50.7 1 ra -9.88E03 -1.18E06 1698.6 1 ra -9.88E03 -1.18E06  0.009 99.00 25.1    0.0 1 ra
 2662  o 100  50  15.7  15.7  6.5  6.5 -13.7 1 ra -1.37E04 -3.65E05  207.7 1 ra -1.37E04 -3.65E05  0.009 99.00  5.6    0.0 1 ra
       v 100  50  15.7  15.7  8.5  8.5  -1.9 1 ra -4.63E03 -4.94E04   -3.1 1 ra -3.91E03 -3.58E04  0.009 99.00  0.2    0.0 1 ra
```

```
Combinazione frequente
  nod sez   B   H   Af+   Af-   c+   c-    sc   c      N        M       sf   c      N        M   Wk(mm) Wklim  st  Sm(mm)  c
 1369  o 100  50  31.4  31.4  8.5  8.5 -63.6 1 fr -2.67E04 -2.02E06 1472.6 1 fr -2.67E04 -2.02E06  0.11  0.20  0.0  288.0 1 fr
       v 100  50  21.4  21.4  9.5  9.5  -6.6 1 fr -8.79E03 -1.80E05   58.0 1 fr -8.79E03 -1.80E05  0.00  0.20  2.4    0.0 1 fr
 1373  o 100  50  31.4  31.4  8.5  8.5 -54.7 1 fr -1.78E04 -1.75E06 1356.2 1 fr -1.78E04 -1.75E06  0.06  0.20  0.0  161.7 1 fr
       v 100  50  21.4  21.4  9.5  9.5  -6.0 1 fr -5.66E03 -1.59E05   87.4 1 fr -5.66E03 -1.59E05  0.00  0.20  2.5    0.0 1 fr
 2423  o  75  50  12.6  12.6  6.5  6.5  -9.7 1 fr  6.62E02 -2.00E05  431.8 1 fr  6.62E02 -2.00E05  0.00  0.20  6.2    0.0 1 fr
       v 100  50  15.7  15.7  8.5  8.5 -50.7 1 fr -9.88E03 -1.18E06 1698.6 1 fr -9.88E03 -1.18E06  0.00  0.20 25.1    0.0 1 fr
 2662  o 100  50  15.7  15.7  6.5  6.5 -13.7 1 fr -1.37E04 -3.65E05  207.7 1 fr -1.37E04 -3.65E05  0.00  0.20  5.6    0.0 1 fr
       v 100  50  15.7  15.7  8.5  8.5  -1.9 1 fr -4.63E03 -4.94E04   -3.1 1 fr -3.91E03 -3.58E04  0.00  0.20  0.2    0.0 1 fr
```

```
Combinazione quasi permanente
  nod sez   B   H   Af+   Af-   c+   c-    sc   c       N        M       sf   c       N        M   Wk(mm) Wklim  st  Sm(mm)  c
 1369  o 100  50  31.4  31.4  8.5  8.5 -53.8 4 q. -2.52E04 -1.70E06 1201.0 4 q. -2.52E04 -1.70E06  0.00  0.20 32.5    0.0 1 q.
       v 100  50  21.4  21.4  9.5  9.5  -5.5 4 q. -8.08E03 -1.51E05   39.4 4 q. -8.08E03 -1.51E05  0.00  0.20  1.9    0.0 1 q.
 1373  o 100  50  31.4  31.4  8.5  8.5 -46.4 4 q. -1.70E04 -1.48E06 1119.4 3 q. -1.67E04 -1.47E06  0.00  0.20 29.1    0.0 1 q.
       v 100  50  21.4  21.4  9.5  9.5  -5.0 4 q. -5.26E03 -1.33E05   63.0 4 q. -5.26E03 -1.33E05  0.00  0.20  2.0    0.0 1 q.
 2423  o  75  50  12.6  12.6  6.5  6.5  -7.8 3 q.  6.03E02 -1.61E05  350.4 3 q.  6.03E02 -1.61E05  0.00  0.20  5.0    0.0 1 q.
       v 100  50  15.7  15.7  8.5  8.5 -38.7 4 q. -7.57E03 -9.01E05 1295.6 4 q. -7.57E03 -9.01E05  0.00  0.20 19.2    0.0 1 q.
 2662  o 100  50  15.7  15.7  6.5  6.5 -11.2 3 q. -1.36E04 -3.05E05  130.9 3 q. -1.36E04 -3.05E05  0.00  0.20  4.3    0.0 1 q.
       v 100  50  15.7  15.7  8.5  8.5  -2.3 1 q. -2.54E03 -5.90E04   28.5 1 q. -2.54E03 -5.90E04  0.00  0.20  0.9    0.0 1 q.
```

```
Verifica dei pannelli

Pannello : Pannello da Filo 5 a Filo 106

Sezione a quota 107
Coordinate dei vertici
     X       Y
 -750.0    25.0
 -750.0   157.0
 -700.0   157.0
```

```
-700.0    25.0
 700.0    25.0
 700.0   157.0
 750.0   157.0
 750.0    25.0
 750.0   -25.0
-750.0   -25.0
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-737.3	-18.5	20	-717.3	-18.5	20	-697.3	-18.5	20	-677.3	-18.5	20	-657.3	-18.5	20
-637.3	-18.5	20	-617.3	-18.5	20	-597.3	-18.5	20	-577.3	-18.5	20	-557.3	-18.5	20
-537.3	-18.5	20	-517.3	-18.5	20	-497.3	-18.5	20	-477.3	-18.5	20	-457.3	-18.5	20
-437.3	-18.5	20	-417.3	-18.5	20	-397.3	-18.5	20	-377.3	-18.5	20	-357.3	-18.5	20
-337.3	-18.5	20	-317.3	-18.5	20	-297.3	-18.5	20	-277.3	-18.5	20	-257.3	-18.5	20
-237.3	-18.5	20	-217.3	-18.5	20	-197.3	-18.5	20	-177.3	-18.5	20	-157.3	-18.5	20
-137.3	-18.5	20	-117.3	-18.5	20	-97.3	-18.5	20	-77.3	-18.5	20	-57.3	-18.5	20
-37.3	-18.5	20	-17.3	-18.5	20	2.8	-18.5	20	22.8	-18.5	20	42.8	-18.5	20
62.8	-18.5	20	82.8	-18.5	20	102.8	-18.5	20	122.8	-18.5	20	142.8	-18.5	20
162.8	-18.5	20	182.8	-18.5	20	202.8	-18.5	20	222.8	-18.5	20	242.8	-18.5	20
262.8	-18.5	20	282.8	-18.5	20	302.8	-18.5	20	322.8	-18.5	20	342.8	-18.5	20
362.8	-18.5	20	382.8	-18.5	20	402.8	-18.5	20	422.8	-18.5	20	442.8	-18.5	20
462.8	-18.5	20	482.8	-18.5	20	502.8	-18.5	20	522.8	-18.5	20	542.8	-18.5	20
562.8	-18.5	20	582.8	-18.5	20	602.8	-18.5	20	622.8	-18.5	20	642.8	-18.5	20
662.8	-18.5	20	682.8	-18.5	20	702.8	-18.5	20	722.8	-18.5	20	742.8	-18.5	20
-737.3	18.5	20	-717.3	18.5	20	-697.3	18.5	20	-677.3	18.5	20	-657.3	18.5	20
-637.3	18.5	20	-617.3	18.5	20	-597.3	18.5	20	-577.3	18.5	20	-557.3	18.5	20
-537.3	18.5	20	-517.3	18.5	20	-497.3	18.5	20	-477.3	18.5	20	-457.3	18.5	20
-437.3	18.5	20	-417.3	18.5	20	-397.3	18.5	20	-377.3	18.5	20	-357.3	18.5	20
-337.3	18.5	20	-317.3	18.5	20	-297.3	18.5	20	-277.3	18.5	20	-257.3	18.5	20
-237.3	18.5	20	-217.3	18.5	20	-197.3	18.5	20	-177.3	18.5	20	-157.3	18.5	20
-137.3	18.5	20	-117.3	18.5	20	-97.3	18.5	20	-77.3	18.5	20	-57.3	18.5	20
-37.3	18.5	20	-17.3	18.5	20	2.8	18.5	20	22.8	18.5	20	42.8	18.5	20
62.8	18.5	20	82.8	18.5	20	102.8	18.5	20	122.8	18.5	20	142.8	18.5	20
162.8	18.5	20	182.8	18.5	20	202.8	18.5	20	222.8	18.5	20	242.8	18.5	20
262.8	18.5	20	282.8	18.5	20	302.8	18.5	20	322.8	18.5	20	342.8	18.5	20
362.8	18.5	20	382.8	18.5	20	402.8	18.5	20	422.8	18.5	20	442.8	18.5	20
462.8	18.5	20	482.8	18.5	20	502.8	18.5	20	522.8	18.5	20	542.8	18.5	20
562.8	18.5	20	582.8	18.5	20	602.8	18.5	20	622.8	18.5	20	642.8	18.5	20
662.8	18.5	20	682.8	18.5	20	702.8	18.5	20	722.8	18.5	20	742.8	18.5	20
-687.9	-14.5	20	-687.9	14.5	20	-667.9	-14.5	20	-667.9	14.5	20	-647.9	-14.5	20
-647.9	14.5	20	-627.9	-14.5	20	-627.9	14.5	20	-607.9	-14.5	20	-607.9	14.5	20
-587.9	-14.5	20	-587.9	14.5	20	-567.9	-14.5	20	-567.9	14.5	20	-547.9	-14.5	20
-547.9	14.5	20	-527.9	-14.5	20	-527.9	14.5	20	-507.9	-14.5	20	-507.9	14.5	20
-487.9	-14.5	20	-487.9	14.5	20	-467.9	-14.5	20	-467.9	14.5	20	-447.9	-14.5	20
-447.9	14.5	20	-427.9	-14.5	20	-427.9	14.5	20	-407.9	-14.5	20	-407.9	14.5	20
-387.9	-14.5	20	-387.9	14.5	20	-367.9	-14.5	20	-367.9	14.5	20	-347.9	-14.5	20
-347.9	14.5	20	-327.9	-14.5	20	-327.9	14.5	20	-307.9	-14.5	20	-307.9	14.5	20
-287.9	-14.5	20	-287.9	14.5	20	-267.9	-14.5	20	-267.9	14.5	20	-247.9	-14.5	20
-247.9	14.5	20	-227.9	-14.5	20	-227.9	14.5	20	-207.9	-14.5	20	-207.9	14.5	20
-187.9	-14.5	20	-187.9	14.5	20	-167.9	-14.5	20	-167.9	14.5	20	-147.9	-14.5	20
-147.9	14.5	20	-127.9	-14.5	20	-127.9	14.5	20	-107.9	-14.5	20	-107.9	14.5	20
-87.9	-14.5	20	-87.9	14.5	20	-67.9	-14.5	20	-67.9	14.5	20	-47.9	-14.5	20
-47.9	14.5	20	-27.9	-14.5	20	-27.9	14.5	20	-7.9	-14.5	20	-7.9	14.5	20
12.1	-14.5	20	12.1	14.5	20	32.1	-14.5	20	32.1	14.5	20	52.1	-14.5	20
52.1	14.5	20	72.1	-14.5	20	72.1	14.5	20	92.1	-14.5	20	92.1	14.5	20
112.1	-14.5	20	112.1	14.5	20	132.1	-14.5	20	132.1	14.5	20	152.1	-14.5	20
152.1	14.5	20	172.1	-14.5	20	172.1	14.5	20	192.1	-14.5	20	192.1	14.5	20
212.1	-14.5	20	212.1	14.5	20	232.1	-14.5	20	232.1	14.5	20	252.1	-14.5	20
252.1	14.5	20	272.1	-14.5	20	272.1	14.5	20	292.1	-14.5	20	292.1	14.5	20
312.1	-14.5	20	312.1	14.5	20	332.1	-14.5	20	332.1	14.5	20	352.1	-14.5	20
352.1	14.5	20	372.1	-14.5	20	372.1	14.5	20	392.1	-14.5	20	392.1	14.5	20
412.1	-14.5	20	412.1	14.5	20	432.1	-14.5	20	432.1	14.5	20	452.1	-14.5	20
452.1	14.5	20	472.1	-14.5	20	472.1	14.5	20	492.1	-14.5	20	492.1	14.5	20
512.1	-14.5	20	512.1	14.5	20	532.1	-14.5	20	532.1	14.5	20	552.1	-14.5	20
552.1	14.5	20	572.1	-14.5	20	572.1	14.5	20	592.1	-14.5	20	592.1	14.5	20
612.1	-14.5	20	612.1	14.5	20	632.1	-14.5	20	632.1	14.5	20	652.1	-14.5	20
652.1	14.5	20	672.1	-14.5	20	672.1	14.5	20	692.1	-14.5	20	692.1	14.5	20
712.1	-14.5	20	712.1	14.5	20	732.1	-14.5	20	732.1	14.5	20			

Sezione a quota 185
Coordinate dei vertici

```
    X       Y
-750.0    25.0
-750.0   235.0
-700.0   235.0
-700.0    25.0
 700.0    25.0
 700.0   235.0
 750.0   235.0
 750.0    25.0
 750.0   -25.0
-750.0   -25.0
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-737.3	-18.5	20	-717.3	-18.5	20	-697.3	-18.5	20	-677.3	-18.5	20	-657.3	-18.5	20
-637.3	-18.5	20	-617.3	-18.5	20	-597.3	-18.5	20	-577.3	-18.5	20	-557.3	-18.5	20
-537.3	-18.5	20	-517.3	-18.5	20	-497.3	-18.5	20	-477.3	-18.5	20	-457.3	-18.5	20
-437.3	-18.5	20	-417.3	-18.5	20	-397.3	-18.5	20	-377.3	-18.5	20	-357.3	-18.5	20
-337.3	-18.5	20	-317.3	-18.5	20	-297.3	-18.5	20	-277.3	-18.5	20	-257.3	-18.5	20
-237.3	-18.5	20	-217.3	-18.5	20	-197.3	-18.5	20	-177.3	-18.5	20	-157.3	-18.5	20
-137.3	-18.5	20	-117.3	-18.5	20	-97.3	-18.5	20	-77.3	-18.5	20	-57.3	-18.5	20
-37.3	-18.5	20	-17.3	-18.5	20	2.8	-18.5	20	22.8	-18.5	20	42.8	-18.5	20

```
  62.8  -18.5  20     82.8  -18.5  20    102.8  -18.5  20    122.8  -18.5  20    142.8  -18.5  20
 162.8  -18.5  20    182.8  -18.5  20    202.8  -18.5  20    222.8  -18.5  20    242.8  -18.5  20
 262.8  -18.5  20    282.8  -18.5  20    302.8  -18.5  20    322.8  -18.5  20    342.8  -18.5  20
 362.8  -18.5  20    382.8  -18.5  20    402.8  -18.5  20    422.8  -18.5  20    442.8  -18.5  20
 462.8  -18.5  20    482.8  -18.5  20    502.8  -18.5  20    522.8  -18.5  20    542.8  -18.5  20
 562.8  -18.5  20    582.8  -18.5  20    602.8  -18.5  20    622.8  -18.5  20    642.8  -18.5  20
 662.8  -18.5  20    682.8  -18.5  20    702.8  -18.5  20    722.8  -18.5  20    742.8  -18.5  20
-737.3   18.5  20   -717.3   18.5  20   -697.3   18.5  20   -677.3   18.5  20   -657.3   18.5  20
-637.3   18.5  20   -617.3   18.5  20   -597.3   18.5  20   -577.3   18.5  20   -557.3   18.5  20
-537.3   18.5  20   -517.3   18.5  20   -497.3   18.5  20   -477.3   18.5  20   -457.3   18.5  20
-437.3   18.5  20   -417.3   18.5  20   -397.3   18.5  20   -377.3   18.5  20   -357.3   18.5  20
-337.3   18.5  20   -317.3   18.5  20   -297.3   18.5  20   -277.3   18.5  20   -257.3   18.5  20
-237.3   18.5  20   -217.3   18.5  20   -197.3   18.5  20   -177.3   18.5  20   -157.3   18.5  20
-137.3   18.5  20   -117.3   18.5  20    -97.3   18.5  20    -77.3   18.5  20    -57.3   18.5  20
 -37.3   18.5  20    -17.3   18.5  20      2.8   18.5  20     22.8   18.5  20     42.8   18.5  20
  62.8   18.5  20     82.8   18.5  20    102.8   18.5  20    122.8   18.5  20    142.8   18.5  20
 162.8   18.5  20    182.8   18.5  20    202.8   18.5  20    222.8   18.5  20    242.8   18.5  20
 262.8   18.5  20    282.8   18.5  20    302.8   18.5  20    322.8   18.5  20    342.8   18.5  20
 362.8   18.5  20    382.8   18.5  20    402.8   18.5  20    422.8   18.5  20    442.8   18.5  20
 462.8   18.5  20    482.8   18.5  20    502.8   18.5  20    522.8   18.5  20    542.8   18.5  20
 562.8   18.5  20    582.8   18.5  20    602.8   18.5  20    622.8   18.5  20    642.8   18.5  20
 662.8   18.5  20    682.8   18.5  20    702.8   18.5  20    722.8   18.5  20    742.8   18.5  20
-687.9  -14.5  20   -687.9   14.5  20   -667.9  -14.5  20   -667.9   14.5  20   -647.9  -14.5  20
-647.9   14.5  20   -627.9  -14.5  20   -627.9   14.5  20   -607.9  -14.5  20   -607.9   14.5  20
-587.9  -14.5  20   -587.9   14.5  20   -567.9  -14.5  20   -567.9   14.5  20   -547.9  -14.5  20
-547.9   14.5  20   -527.9  -14.5  20   -527.9   14.5  20   -507.9  -14.5  20   -507.9   14.5  20
-487.9  -14.5  20   -487.9   14.5  20   -467.9  -14.5  20   -467.9   14.5  20   -447.9  -14.5  20
-447.9   14.5  20   -427.9  -14.5  20   -427.9   14.5  20   -407.9  -14.5  20   -407.9   14.5  20
-387.9  -14.5  20   -387.9   14.5  20   -367.9  -14.5  20   -367.9   14.5  20   -347.9  -14.5  20
-347.9   14.5  20   -327.9  -14.5  20   -327.9   14.5  20   -307.9  -14.5  20   -307.9   14.5  20
-287.9  -14.5  20   -287.9   14.5  20   -267.9  -14.5  20   -267.9   14.5  20   -247.9  -14.5  20
-247.9   14.5  20   -227.9  -14.5  20   -227.9   14.5  20   -207.9  -14.5  20   -207.9   14.5  20
-187.9  -14.5  20   -187.9   14.5  20   -167.9  -14.5  20   -167.9   14.5  20   -147.9  -14.5  20
-147.9   14.5  20   -127.9  -14.5  20   -127.9   14.5  20   -107.9  -14.5  20   -107.9   14.5  20
 -87.9  -14.5  20    -87.9   14.5  20    -67.9  -14.5  20    -67.9   14.5  20    -47.9  -14.5  20
 -47.9   14.5  20    -27.9  -14.5  20    -27.9   14.5  20     -7.9  -14.5  20     -7.9   14.5  20
  12.1  -14.5  20     12.1   14.5  20     32.1  -14.5  20     32.1   14.5  20     52.1  -14.5  20
  52.1   14.5  20     72.1  -14.5  20     72.1   14.5  20     92.1  -14.5  20     92.1   14.5  20
 112.1  -14.5  20    112.1   14.5  20    132.1  -14.5  20    132.1   14.5  20    152.1  -14.5  20
 152.1   14.5  20    172.1  -14.5  20    172.1   14.5  20    192.1  -14.5  20    192.1   14.5  20
 212.1  -14.5  20    212.1   14.5  20    232.1  -14.5  20    232.1   14.5  20    252.1  -14.5  20
 252.1   14.5  20    272.1  -14.5  20    272.1   14.5  20    292.1  -14.5  20    292.1   14.5  20
 312.1  -14.5  20    312.1   14.5  20    332.1  -14.5  20    332.1   14.5  20    352.1  -14.5  20
 352.1   14.5  20    372.1  -14.5  20    372.1   14.5  20    392.1  -14.5  20    392.1   14.5  20
 412.1  -14.5  20    412.1   14.5  20    432.1  -14.5  20    432.1   14.5  20    452.1  -14.5  20
 452.1   14.5  20    472.1  -14.5  20    472.1   14.5  20    492.1  -14.5  20    492.1   14.5  20
 512.1  -14.5  20    512.1   14.5  20    532.1  -14.5  20    532.1   14.5  20    552.1  -14.5  20
 552.1   14.5  20    572.1  -14.5  20    572.1   14.5  20    592.1  -14.5  20    592.1   14.5  20
 612.1  -14.5  20    612.1   14.5  20    632.1  -14.5  20    632.1   14.5  20    652.1  -14.5  20
 652.1   14.5  20    672.1  -14.5  20    672.1   14.5  20    692.1  -14.5  20    692.1   14.5  20
 712.1  -14.5  20    712.1   14.5  20    732.1  -14.5  20    732.1   14.5  20
```

Sezione a quota 263
Coordinate dei vertici

```
     X      Y
 -750.0   25.0
 -750.0  259.3
 -700.0  259.3
 -700.0   25.0
  700.0   25.0
  700.0  259.3
  750.0  259.3
  750.0   25.0
  750.0  -25.0
 -750.0  -25.0
```

Armature verticali

```
      X      Y    ø        X      Y    ø        X      Y    ø        X      Y    ø        X      Y    ø
 -737.3  -18.5  20   -717.3  -18.5  20   -697.3  -18.5  20   -677.3  -18.5  20   -657.3  -18.5  20
 -637.3  -18.5  20   -617.3  -18.5  20   -597.3  -18.5  20   -577.3  -18.5  20   -557.3  -18.5  20
 -537.3  -18.5  20   -517.3  -18.5  20   -497.3  -18.5  20   -477.3  -18.5  20   -457.3  -18.5  20
 -437.3  -18.5  20   -417.3  -18.5  20   -397.3  -18.5  20   -377.3  -18.5  20   -357.3  -18.5  20
 -337.3  -18.5  20   -317.3  -18.5  20   -297.3  -18.5  20   -277.3  -18.5  20   -257.3  -18.5  20
 -237.3  -18.5  20   -217.3  -18.5  20   -197.3  -18.5  20   -177.3  -18.5  20   -157.3  -18.5  20
 -137.3  -18.5  20   -117.3  -18.5  20    -97.3  -18.5  20    -77.3  -18.5  20    -57.3  -18.5  20
  -37.3  -18.5  20    -17.3  -18.5  20      2.8  -18.5  20     22.8  -18.5  20     42.8  -18.5  20
   62.8  -18.5  20     82.8  -18.5  20    102.8  -18.5  20    122.8  -18.5  20    142.8  -18.5  20
  162.8  -18.5  20    182.8  -18.5  20    202.8  -18.5  20    222.8  -18.5  20    242.8  -18.5  20
  262.8  -18.5  20    282.8  -18.5  20    302.8  -18.5  20    322.8  -18.5  20    342.8  -18.5  20
  362.8  -18.5  20    382.8  -18.5  20    402.8  -18.5  20    422.8  -18.5  20    442.8  -18.5  20
  462.8  -18.5  20    482.8  -18.5  20    502.8  -18.5  20    522.8  -18.5  20    542.8  -18.5  20
  562.8  -18.5  20    582.8  -18.5  20    602.8  -18.5  20    622.8  -18.5  20    642.8  -18.5  20
  662.8  -18.5  20    682.8  -18.5  20    702.8  -18.5  20    722.8  -18.5  20    742.8  -18.5  20
 -737.3   18.5  20   -717.3   18.5  20   -697.3   18.5  20   -677.3   18.5  20   -657.3   18.5  20
 -637.3   18.5  20   -617.3   18.5  20   -597.3   18.5  20   -577.3   18.5  20   -557.3   18.5  20
 -537.3   18.5  20   -517.3   18.5  20   -497.3   18.5  20   -477.3   18.5  20   -457.3   18.5  20
 -437.3   18.5  20   -417.3   18.5  20   -397.3   18.5  20   -377.3   18.5  20   -357.3   18.5  20
 -337.3   18.5  20   -317.3   18.5  20   -297.3   18.5  20   -277.3   18.5  20   -257.3   18.5  20
 -237.3   18.5  20   -217.3   18.5  20   -197.3   18.5  20   -177.3   18.5  20   -157.3   18.5  20
 -137.3   18.5  20   -117.3   18.5  20    -97.3   18.5  20    -77.3   18.5  20    -57.3   18.5  20
  -37.3   18.5  20    -17.3   18.5  20      2.8   18.5  20     22.8   18.5  20     42.8   18.5  20
   62.8   18.5  20     82.8   18.5  20    102.8   18.5  20    122.8   18.5  20    142.8   18.5  20
  162.8   18.5  20    182.8   18.5  20    202.8   18.5  20    222.8   18.5  20    242.8   18.5  20
  262.8   18.5  20    282.8   18.5  20    302.8   18.5  20    322.8   18.5  20    342.8   18.5  20
```

362.8	18.5	20	382.8	18.5	20	402.8	18.5	20	422.8	18.5	20	442.8	18.5	20
462.8	18.5	20	482.8	18.5	20	502.8	18.5	20	522.8	18.5	20	542.8	18.5	20
562.8	18.5	20	582.8	18.5	20	602.8	18.5	20	622.8	18.5	20	642.8	18.5	20
662.8	18.5	20	682.8	18.5	20	702.8	18.5	20	722.8	18.5	20	742.8	18.5	20

Sezione a quota 265
Coordinate dei vertici

X	Y
-750.0	25.0
-750.0	258.8
-700.0	258.8
-700.0	25.0
700.0	25.0
700.0	258.8
750.0	258.8
750.0	25.0
750.0	-25.0
-750.0	-25.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-737.3	-18.5	20	-717.3	-18.5	20	-697.3	-18.5	20	-677.3	-18.5	20	-657.3	-18.5	20
-637.3	-18.5	20	-617.3	-18.5	20	-597.3	-18.5	20	-577.3	-18.5	20	-557.3	-18.5	20
-537.3	-18.5	20	-517.3	-18.5	20	-497.3	-18.5	20	-477.3	-18.5	20	-457.3	-18.5	20
-437.3	-18.5	20	-417.3	-18.5	20	-397.3	-18.5	20	-377.3	-18.5	20	-357.3	-18.5	20
-337.3	-18.5	20	-317.3	-18.5	20	-297.3	-18.5	20	-277.3	-18.5	20	-257.3	-18.5	20
-237.3	-18.5	20	-217.3	-18.5	20	-197.3	-18.5	20	-177.3	-18.5	20	-157.3	-18.5	20
-137.3	-18.5	20	-117.3	-18.5	20	-97.3	-18.5	20	-77.3	-18.5	20	-57.3	-18.5	20
-37.3	-18.5	20	-17.3	-18.5	20	2.8	-18.5	20	22.8	-18.5	20	42.8	-18.5	20
62.8	-18.5	20	82.8	-18.5	20	102.8	-18.5	20	122.8	-18.5	20	142.8	-18.5	20
162.8	-18.5	20	182.8	-18.5	20	202.8	-18.5	20	222.8	-18.5	20	242.8	-18.5	20
262.8	-18.5	20	282.8	-18.5	20	302.8	-18.5	20	322.8	-18.5	20	342.8	-18.5	20
362.8	-18.5	20	382.8	-18.5	20	402.8	-18.5	20	422.8	-18.5	20	442.8	-18.5	20
462.8	-18.5	20	482.8	-18.5	20	502.8	-18.5	20	522.8	-18.5	20	542.8	-18.5	20
562.8	-18.5	20	582.8	-18.5	20	602.8	-18.5	20	622.8	-18.5	20	642.8	-18.5	20
662.8	-18.5	20	682.8	-18.5	20	702.8	-18.5	20	722.8	-18.5	20	742.8	-18.5	20
-737.3	18.5	20	-717.3	18.5	20	-697.3	18.5	20	-677.3	18.5	20	-657.3	18.5	20
-637.3	18.5	20	-617.3	18.5	20	-597.3	18.5	20	-577.3	18.5	20	-557.3	18.5	20
-537.3	18.5	20	-517.3	18.5	20	-497.3	18.5	20	-477.3	18.5	20	-457.3	18.5	20
-437.3	18.5	20	-417.3	18.5	20	-397.3	18.5	20	-377.3	18.5	20	-357.3	18.5	20
-337.3	18.5	20	-317.3	18.5	20	-297.3	18.5	20	-277.3	18.5	20	-257.3	18.5	20
-237.3	18.5	20	-217.3	18.5	20	-197.3	18.5	20	-177.3	18.5	20	-157.3	18.5	20
-137.3	18.5	20	-117.3	18.5	20	-97.3	18.5	20	-77.3	18.5	20	-57.3	18.5	20
-37.3	18.5	20	-17.3	18.5	20	2.8	18.5	20	22.8	18.5	20	42.8	18.5	20
62.8	18.5	20	82.8	18.5	20	102.8	18.5	20	122.8	18.5	20	142.8	18.5	20
162.8	18.5	20	182.8	18.5	20	202.8	18.5	20	222.8	18.5	20	242.8	18.5	20
262.8	18.5	20	282.8	18.5	20	302.8	18.5	20	322.8	18.5	20	342.8	18.5	20
362.8	18.5	20	382.8	18.5	20	402.8	18.5	20	422.8	18.5	20	442.8	18.5	20
462.8	18.5	20	482.8	18.5	20	502.8	18.5	20	522.8	18.5	20	542.8	18.5	20
562.8	18.5	20	582.8	18.5	20	602.8	18.5	20	622.8	18.5	20	642.8	18.5	20
662.8	18.5	20	682.8	18.5	20	702.8	18.5	20	722.8	18.5	20	742.8	18.5	20

Sezione a quota 267
Coordinate dei vertici

X	Y
-750.0	25.0
-750.0	258.3
-700.0	258.3
-700.0	25.0
700.0	25.0
700.0	258.3
750.0	258.3
750.0	25.0
750.0	-25.0
-750.0	-25.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-737.3	-18.5	20	-717.3	-18.5	20	-697.3	-18.5	20	-677.3	-18.5	20	-657.3	-18.5	20
-637.3	-18.5	20	-617.3	-18.5	20	-597.3	-18.5	20	-577.3	-18.5	20	-557.3	-18.5	20
-537.3	-18.5	20	-517.3	-18.5	20	-497.3	-18.5	20	-477.3	-18.5	20	-457.3	-18.5	20
-437.3	-18.5	20	-417.3	-18.5	20	-397.3	-18.5	20	-377.3	-18.5	20	-357.3	-18.5	20
-337.3	-18.5	20	-317.3	-18.5	20	-297.3	-18.5	20	-277.3	-18.5	20	-257.3	-18.5	20
-237.3	-18.5	20	-217.3	-18.5	20	-197.3	-18.5	20	-177.3	-18.5	20	-157.3	-18.5	20
-137.3	-18.5	20	-117.3	-18.5	20	-97.3	-18.5	20	-77.3	-18.5	20	-57.3	-18.5	20
-37.3	-18.5	20	-17.3	-18.5	20	2.8	-18.5	20	22.8	-18.5	20	42.8	-18.5	20
62.8	-18.5	20	82.8	-18.5	20	102.8	-18.5	20	122.8	-18.5	20	142.8	-18.5	20
162.8	-18.5	20	182.8	-18.5	20	202.8	-18.5	20	222.8	-18.5	20	242.8	-18.5	20
262.8	-18.5	20	282.8	-18.5	20	302.8	-18.5	20	322.8	-18.5	20	342.8	-18.5	20
362.8	-18.5	20	382.8	-18.5	20	402.8	-18.5	20	422.8	-18.5	20	442.8	-18.5	20
462.8	-18.5	20	482.8	-18.5	20	502.8	-18.5	20	522.8	-18.5	20	542.8	-18.5	20
562.8	-18.5	20	582.8	-18.5	20	602.8	-18.5	20	622.8	-18.5	20	642.8	-18.5	20
662.8	-18.5	20	682.8	-18.5	20	702.8	-18.5	20	722.8	-18.5	20	742.8	-18.5	20
-737.3	18.5	20	-717.3	18.5	20	-697.3	18.5	20	-677.3	18.5	20	-657.3	18.5	20
-637.3	18.5	20	-617.3	18.5	20	-597.3	18.5	20	-577.3	18.5	20	-557.3	18.5	20
-537.3	18.5	20	-517.3	18.5	20	-497.3	18.5	20	-477.3	18.5	20	-457.3	18.5	20
-437.3	18.5	20	-417.3	18.5	20	-397.3	18.5	20	-377.3	18.5	20	-357.3	18.5	20
-337.3	18.5	20	-317.3	18.5	20	-297.3	18.5	20	-277.3	18.5	20	-257.3	18.5	20
-237.3	18.5	20	-217.3	18.5	20	-197.3	18.5	20	-177.3	18.5	20	-157.3	18.5	20
-137.3	18.5	20	-117.3	18.5	20	-97.3	18.5	20	-77.3	18.5	20	-57.3	18.5	20
-37.3	18.5	20	-17.3	18.5	20	2.8	18.5	20	22.8	18.5	20	42.8	18.5	20
62.8	18.5	20	82.8	18.5	20	102.8	18.5	20	122.8	18.5	20	142.8	18.5	20
162.8	18.5	20	182.8	18.5	20	202.8	18.5	20	222.8	18.5	20	242.8	18.5	20
262.8	18.5	20	282.8	18.5	20	302.8	18.5	20	322.8	18.5	20	342.8	18.5	20

```
 362.8    18.5    20   382.8    18.5    20   402.8    18.5    20   422.8    18.5    20   442.8    18.5    20
 462.8    18.5    20   482.8    18.5    20   502.8    18.5    20   522.8    18.5    20   542.8    18.5    20
 562.8    18.5    20   582.8    18.5    20   602.8    18.5    20   622.8    18.5    20   642.8    18.5    20
 662.8    18.5    20   682.8    18.5    20   702.8    18.5    20   722.8    18.5    20   742.8    18.5    20
```

Sezione a quota 269
Coordinate dei vertici
```
     X        Y
 -750.0     25.0
 -750.0    257.8
 -700.0    257.8
 -700.0     25.0
  700.0     25.0
  700.0    257.8
  750.0    257.8
  750.0     25.0
  750.0    -25.0
 -750.0    -25.0
```

Armature verticali
```
      X        Y    ø        X        Y    ø        X        Y    ø        X        Y    ø        X        Y    ø
 -737.3   -18.5    20  -717.3   -18.5    20  -697.3   -18.5    20  -677.3   -18.5    20  -657.3   -18.5    20
 -637.3   -18.5    20  -617.3   -18.5    20  -597.3   -18.5    20  -577.3   -18.5    20  -557.3   -18.5    20
 -537.3   -18.5    20  -517.3   -18.5    20  -497.3   -18.5    20  -477.3   -18.5    20  -457.3   -18.5    20
 -437.3   -18.5    20  -417.3   -18.5    20  -397.3   -18.5    20  -377.3   -18.5    20  -357.3   -18.5    20
 -337.3   -18.5    20  -317.3   -18.5    20  -297.3   -18.5    20  -277.3   -18.5    20  -257.3   -18.5    20
 -237.3   -18.5    20  -217.3   -18.5    20  -197.3   -18.5    20  -177.3   -18.5    20  -157.3   -18.5    20
 -137.3   -18.5    20  -117.3   -18.5    20   -97.3   -18.5    20   -77.3   -18.5    20   -57.3   -18.5    20
  -37.3   -18.5    20   -17.3   -18.5    20     2.8   -18.5    20    22.8   -18.5    20    42.8   -18.5    20
   62.8   -18.5    20    82.8   -18.5    20   102.8   -18.5    20   122.8   -18.5    20   142.8   -18.5    20
  162.8   -18.5    20   182.8   -18.5    20   202.8   -18.5    20   222.8   -18.5    20   242.8   -18.5    20
  262.8   -18.5    20   282.8   -18.5    20   302.8   -18.5    20   322.8   -18.5    20   342.8   -18.5    20
  362.8   -18.5    20   382.8   -18.5    20   402.8   -18.5    20   422.8   -18.5    20   442.8   -18.5    20
  462.8   -18.5    20   482.8   -18.5    20   502.8   -18.5    20   522.8   -18.5    20   542.8   -18.5    20
  562.8   -18.5    20   582.8   -18.5    20   602.8   -18.5    20   622.8   -18.5    20   642.8   -18.5    20
  662.8   -18.5    20   682.8   -18.5    20   702.8   -18.5    20   722.8   -18.5    20   742.8   -18.5    20
 -737.3    18.5    20  -717.3    18.5    20  -697.3    18.5    20  -677.3    18.5    20  -657.3    18.5    20
 -637.3    18.5    20  -617.3    18.5    20  -597.3    18.5    20  -577.3    18.5    20  -557.3    18.5    20
 -537.3    18.5    20  -517.3    18.5    20  -497.3    18.5    20  -477.3    18.5    20  -457.3    18.5    20
 -437.3    18.5    20  -417.3    18.5    20  -397.3    18.5    20  -377.3    18.5    20  -357.3    18.5    20
 -337.3    18.5    20  -317.3    18.5    20  -297.3    18.5    20  -277.3    18.5    20  -257.3    18.5    20
 -237.3    18.5    20  -217.3    18.5    20  -197.3    18.5    20  -177.3    18.5    20  -157.3    18.5    20
 -137.3    18.5    20  -117.3    18.5    20   -97.3    18.5    20   -77.3    18.5    20   -57.3    18.5    20
  -37.3    18.5    20   -17.3    18.5    20     2.8    18.5    20    22.8    18.5    20    42.8    18.5    20
   62.8    18.5    20    82.8    18.5    20   102.8    18.5    20   122.8    18.5    20   142.8    18.5    20
  162.8    18.5    20   182.8    18.5    20   202.8    18.5    20   222.8    18.5    20   242.8    18.5    20
  262.8    18.5    20   282.8    18.5    20   302.8    18.5    20   322.8    18.5    20   342.8    18.5    20
  362.8    18.5    20   382.8    18.5    20   402.8    18.5    20   422.8    18.5    20   442.8    18.5    20
  462.8    18.5    20   482.8    18.5    20   502.8    18.5    20   522.8    18.5    20   542.8    18.5    20
  562.8    18.5    20   582.8    18.5    20   602.8    18.5    20   622.8    18.5    20   642.8    18.5    20
  662.8    18.5    20   682.8    18.5    20   702.8    18.5    20   722.8    18.5    20   742.8    18.5    20
```

Sezione a quota 271
Coordinate dei vertici
```
     X        Y
 -750.0     25.0
 -750.0    257.3
 -700.0    257.3
 -700.0     25.0
  700.0     25.0
  700.0    257.3
  750.0    257.3
  750.0     25.0
  750.0    -25.0
 -750.0    -25.0
```

Armature verticali
```
      X        Y    ø        X        Y    ø        X        Y    ø        X        Y    ø        X        Y    ø
 -737.3   -18.5    20  -717.3   -18.5    20  -697.3   -18.5    20  -677.3   -18.5    20  -657.3   -18.5    20
 -637.3   -18.5    20  -617.3   -18.5    20  -597.3   -18.5    20  -577.3   -18.5    20  -557.3   -18.5    20
 -537.3   -18.5    20  -517.3   -18.5    20  -497.3   -18.5    20  -477.3   -18.5    20  -457.3   -18.5    20
 -437.3   -18.5    20  -417.3   -18.5    20  -397.3   -18.5    20  -377.3   -18.5    20  -357.3   -18.5    20
 -337.3   -18.5    20  -317.3   -18.5    20  -297.3   -18.5    20  -277.3   -18.5    20  -257.3   -18.5    20
 -237.3   -18.5    20  -217.3   -18.5    20  -197.3   -18.5    20  -177.3   -18.5    20  -157.3   -18.5    20
 -137.3   -18.5    20  -117.3   -18.5    20   -97.3   -18.5    20   -77.3   -18.5    20   -57.3   -18.5    20
  -37.3   -18.5    20   -17.3   -18.5    20     2.8   -18.5    20    22.8   -18.5    20    42.8   -18.5    20
   62.8   -18.5    20    82.8   -18.5    20   102.8   -18.5    20   122.8   -18.5    20   142.8   -18.5    20
  162.8   -18.5    20   182.8   -18.5    20   202.8   -18.5    20   222.8   -18.5    20   242.8   -18.5    20
  262.8   -18.5    20   282.8   -18.5    20   302.8   -18.5    20   322.8   -18.5    20   342.8   -18.5    20
  362.8   -18.5    20   382.8   -18.5    20   402.8   -18.5    20   422.8   -18.5    20   442.8   -18.5    20
  462.8   -18.5    20   482.8   -18.5    20   502.8   -18.5    20   522.8   -18.5    20   542.8   -18.5    20
  562.8   -18.5    20   582.8   -18.5    20   602.8   -18.5    20   622.8   -18.5    20   642.8   -18.5    20
  662.8   -18.5    20   682.8   -18.5    20   702.8   -18.5    20   722.8   -18.5    20   742.8   -18.5    20
 -737.3    18.5    20  -717.3    18.5    20  -697.3    18.5    20  -677.3    18.5    20  -657.3    18.5    20
 -637.3    18.5    20  -617.3    18.5    20  -597.3    18.5    20  -577.3    18.5    20  -557.3    18.5    20
 -537.3    18.5    20  -517.3    18.5    20  -497.3    18.5    20  -477.3    18.5    20  -457.3    18.5    20
 -437.3    18.5    20  -417.3    18.5    20  -397.3    18.5    20  -377.3    18.5    20  -357.3    18.5    20
 -337.3    18.5    20  -317.3    18.5    20  -297.3    18.5    20  -277.3    18.5    20  -257.3    18.5    20
 -237.3    18.5    20  -217.3    18.5    20  -197.3    18.5    20  -177.3    18.5    20  -157.3    18.5    20
 -137.3    18.5    20  -117.3    18.5    20   -97.3    18.5    20   -77.3    18.5    20   -57.3    18.5    20
  -37.3    18.5    20   -17.3    18.5    20     2.8    18.5    20    22.8    18.5    20    42.8    18.5    20
   62.8    18.5    20    82.8    18.5    20   102.8    18.5    20   122.8    18.5    20   142.8    18.5    20
  162.8    18.5    20   182.8    18.5    20   202.8    18.5    20   222.8    18.5    20   242.8    18.5    20
  262.8    18.5    20   282.8    18.5    20   302.8    18.5    20   322.8    18.5    20   342.8    18.5    20
```

Serbatoio Castellaneta - camera di manovra

362.8	18.5	20	382.8	18.5	20	402.8	18.5	20	422.8	18.5	20	442.8	18.5	20
462.8	18.5	20	482.8	18.5	20	502.8	18.5	20	522.8	18.5	20	542.8	18.5	20
562.8	18.5	20	582.8	18.5	20	602.8	18.5	20	622.8	18.5	20	642.8	18.5	20
662.8	18.5	20	682.8	18.5	20	702.8	18.5	20	722.8	18.5	20	742.8	18.5	20

Sezione a quota 433
Coordinate dei vertici

X	Y
-750.0	25.0
-750.0	216.9
-700.0	216.9
-700.0	25.0
700.0	25.0
700.0	216.9
750.0	216.9
750.0	25.0
750.0	-25.0
-750.0	-25.0

Armature verticali

X	Y	∅	X	Y	∅	X	Y	∅	X	Y	∅	X	Y	∅
-737.3	-18.5	20	-717.3	-18.5	20	-697.3	-18.5	20	-677.3	-18.5	20	-657.3	-18.5	20
-637.3	-18.5	20	-617.3	-18.5	20	-597.3	-18.5	20	-577.3	-18.5	20	-557.3	-18.5	20
-537.3	-18.5	20	-517.3	-18.5	20	-497.3	-18.5	20	-477.3	-18.5	20	-457.3	-18.5	20
-437.3	-18.5	20	-417.3	-18.5	20	-397.3	-18.5	20	-377.3	-18.5	20	-357.3	-18.5	20
-337.3	-18.5	20	-317.3	-18.5	20	-297.3	-18.5	20	-277.3	-18.5	20	-257.3	-18.5	20
-237.3	-18.5	20	-217.3	-18.5	20	-197.3	-18.5	20	-177.3	-18.5	20	-157.3	-18.5	20
-137.3	-18.5	20	-117.3	-18.5	20	-97.3	-18.5	20	-77.3	-18.5	20	-57.3	-18.5	20
-37.3	-18.5	20	-17.3	-18.5	20	2.8	-18.5	20	22.8	-18.5	20	42.8	-18.5	20
62.8	-18.5	20	82.8	-18.5	20	102.8	-18.5	20	122.8	-18.5	20	142.8	-18.5	20
162.8	-18.5	20	182.8	-18.5	20	202.8	-18.5	20	222.8	-18.5	20	242.8	-18.5	20
262.8	-18.5	20	282.8	-18.5	20	302.8	-18.5	20	322.8	-18.5	20	342.8	-18.5	20
362.8	-18.5	20	382.8	-18.5	20	402.8	-18.5	20	422.8	-18.5	20	442.8	-18.5	20
462.8	-18.5	20	482.8	-18.5	20	502.8	-18.5	20	522.8	-18.5	20	542.8	-18.5	20
562.8	-18.5	20	582.8	-18.5	20	602.8	-18.5	20	622.8	-18.5	20	642.8	-18.5	20
662.8	-18.5	20	682.8	-18.5	20	702.8	-18.5	20	722.8	-18.5	20	742.8	-18.5	20
-737.3	18.5	20	-717.3	18.5	20	-697.3	18.5	20	-677.3	18.5	20	-657.3	18.5	20
-637.3	18.5	20	-617.3	18.5	20	-597.3	18.5	20	-577.3	18.5	20	-557.3	18.5	20
-537.3	18.5	20	-517.3	18.5	20	-497.3	18.5	20	-477.3	18.5	20	-457.3	18.5	20
-437.3	18.5	20	-417.3	18.5	20	-397.3	18.5	20	-377.3	18.5	20	-357.3	18.5	20
-337.3	18.5	20	-317.3	18.5	20	-297.3	18.5	20	-277.3	18.5	20	-257.3	18.5	20
-237.3	18.5	20	-217.3	18.5	20	-197.3	18.5	20	-177.3	18.5	20	-157.3	18.5	20
-137.3	18.5	20	-117.3	18.5	20	-97.3	18.5	20	-77.3	18.5	20	-57.3	18.5	20
-37.3	18.5	20	-17.3	18.5	20	2.8	18.5	20	22.8	18.5	20	42.8	18.5	20
62.8	18.5	20	82.8	18.5	20	102.8	18.5	20	122.8	18.5	20	142.8	18.5	20
162.8	18.5	20	182.8	18.5	20	202.8	18.5	20	222.8	18.5	20	242.8	18.5	20
262.8	18.5	20	282.8	18.5	20	302.8	18.5	20	322.8	18.5	20	342.8	18.5	20
362.8	18.5	20	382.8	18.5	20	402.8	18.5	20	422.8	18.5	20	442.8	18.5	20
462.8	18.5	20	482.8	18.5	20	502.8	18.5	20	522.8	18.5	20	542.8	18.5	20
562.8	18.5	20	582.8	18.5	20	602.8	18.5	20	622.8	18.5	20	642.8	18.5	20
662.8	18.5	20	682.8	18.5	20	702.8	18.5	20	722.8	18.5	20	742.8	18.5	20

Sezione a quota 594
Coordinate dei vertici

X	Y
-750.0	25.0
-750.0	176.5
-700.0	176.5
-700.0	25.0
700.0	25.0
700.0	176.5
750.0	176.5
750.0	25.0
750.0	-25.0
-750.0	-25.0

Armature verticali

X	Y	∅	X	Y	∅	X	Y	∅	X	Y	∅	X	Y	∅
-737.3	-18.5	20	-717.3	-18.5	20	-697.3	-18.5	20	-677.3	-18.5	20	-657.3	-18.5	20
-637.3	-18.5	20	-617.3	-18.5	20	-597.3	-18.5	20	-577.3	-18.5	20	-557.3	-18.5	20
-537.3	-18.5	20	-517.3	-18.5	20	-497.3	-18.5	20	-477.3	-18.5	20	-457.3	-18.5	20
-437.3	-18.5	20	-417.3	-18.5	20	-397.3	-18.5	20	-377.3	-18.5	20	-357.3	-18.5	20
-337.3	-18.5	20	-317.3	-18.5	20	-297.3	-18.5	20	-277.3	-18.5	20	-257.3	-18.5	20
-237.3	-18.5	20	-217.3	-18.5	20	-197.3	-18.5	20	-177.3	-18.5	20	-157.3	-18.5	20
-137.3	-18.5	20	-117.3	-18.5	20	-97.3	-18.5	20	-77.3	-18.5	20	-57.3	-18.5	20
-37.3	-18.5	20	-17.3	-18.5	20	2.8	-18.5	20	22.8	-18.5	20	42.8	-18.5	20
62.8	-18.5	20	82.8	-18.5	20	102.8	-18.5	20	122.8	-18.5	20	142.8	-18.5	20
162.8	-18.5	20	182.8	-18.5	20	202.8	-18.5	20	222.8	-18.5	20	242.8	-18.5	20
262.8	-18.5	20	282.8	-18.5	20	302.8	-18.5	20	322.8	-18.5	20	342.8	-18.5	20
362.8	-18.5	20	382.8	-18.5	20	402.8	-18.5	20	422.8	-18.5	20	442.8	-18.5	20
462.8	-18.5	20	482.8	-18.5	20	502.8	-18.5	20	522.8	-18.5	20	542.8	-18.5	20
562.8	-18.5	20	582.8	-18.5	20	602.8	-18.5	20	622.8	-18.5	20	642.8	-18.5	20
662.8	-18.5	20	682.8	-18.5	20	702.8	-18.5	20	722.8	-18.5	20	742.8	-18.5	20
-737.3	18.5	20	-717.3	18.5	20	-697.3	18.5	20	-677.3	18.5	20	-657.3	18.5	20
-637.3	18.5	20	-617.3	18.5	20	-597.3	18.5	20	-577.3	18.5	20	-557.3	18.5	20
-537.3	18.5	20	-517.3	18.5	20	-497.3	18.5	20	-477.3	18.5	20	-457.3	18.5	20
-437.3	18.5	20	-417.3	18.5	20	-397.3	18.5	20	-377.3	18.5	20	-357.3	18.5	20
-337.3	18.5	20	-317.3	18.5	20	-297.3	18.5	20	-277.3	18.5	20	-257.3	18.5	20
-237.3	18.5	20	-217.3	18.5	20	-197.3	18.5	20	-177.3	18.5	20	-157.3	18.5	20
-137.3	18.5	20	-117.3	18.5	20	-97.3	18.5	20	-77.3	18.5	20	-57.3	18.5	20
-37.3	18.5	20	-17.3	18.5	20	2.8	18.5	20	22.8	18.5	20	42.8	18.5	20
62.8	18.5	20	82.8	18.5	20	102.8	18.5	20	122.8	18.5	20	142.8	18.5	20
162.8	18.5	20	182.8	18.5	20	202.8	18.5	20	222.8	18.5	20	242.8	18.5	20
262.8	18.5	20	282.8	18.5	20	302.8	18.5	20	322.8	18.5	20	342.8	18.5	20

X	Y	∅	X	Y	∅	X	Y	∅	X	Y	∅	X	Y	∅
362.8	18.5	20	382.8	18.5	20	402.8	18.5	20	422.8	18.5	20	442.8	18.5	20
462.8	18.5	20	482.8	18.5	20	502.8	18.5	20	522.8	18.5	20	542.8	18.5	20
562.8	18.5	20	582.8	18.5	20	602.8	18.5	20	622.8	18.5	20	642.8	18.5	20
662.8	18.5	20	682.8	18.5	20	702.8	18.5	20	722.8	18.5	20	742.8	18.5	20
7.5	-18.5	20	7.5	18.5	20									

Sezione a quota 596
Coordinate dei vertici

X	Y
-750.0	25.0
-750.0	176.0
-700.0	176.0
-700.0	25.0
15.0	25.0
15.0	-25.0
-750.0	-25.0
-750.0	25.0
415.0	25.0
700.0	25.0
700.0	176.0
750.0	176.0
750.0	25.0
750.0	-25.0
415.0	-25.0
415.0	25.0
-750.0	25.0

Armature verticali

X	Y	∅	X	Y	∅	X	Y	∅	X	Y	∅	X	Y	∅
-737.3	-18.5	20	-717.3	-18.5	20	-697.3	-18.5	20	-677.3	-18.5	20	-657.3	-18.5	20
-637.3	-18.5	20	-617.3	-18.5	20	-597.3	-18.5	20	-577.3	-18.5	20	-557.3	-18.5	20
-537.3	-18.5	20	-517.3	-18.5	20	-497.3	-18.5	20	-477.3	-18.5	20	-457.3	-18.5	20
-437.3	-18.5	20	-417.3	-18.5	20	-397.3	-18.5	20	-377.3	-18.5	20	-357.3	-18.5	20
-337.3	-18.5	20	-317.3	-18.5	20	-297.3	-18.5	20	-277.3	-18.5	20	-257.3	-18.5	20
-237.3	-18.5	20	-217.3	-18.5	20	-197.3	-18.5	20	-177.3	-18.5	20	-157.3	-18.5	20
-137.3	-18.5	20	-117.3	-18.5	20	-97.3	-18.5	20	-77.3	-18.5	20	-57.3	-18.5	20
-37.3	-18.5	20	-17.3	-18.5	20	2.8	-18.5	20	22.8	-18.5	20	42.8	-18.5	20
62.8	-18.5	20	82.8	-18.5	20	102.8	-18.5	20	122.8	-18.5	20	142.8	-18.5	20
162.8	-18.5	20	182.8	-18.5	20	202.8	-18.5	20	222.8	-18.5	20	242.8	-18.5	20
262.8	-18.5	20	282.8	-18.5	20	302.8	-18.5	20	322.8	-18.5	20	342.8	-18.5	20
362.8	-18.5	20	382.8	-18.5	20	402.8	-18.5	20	422.8	-18.5	20	442.8	-18.5	20
462.8	-18.5	20	482.8	-18.5	20	502.8	-18.5	20	522.8	-18.5	20	542.8	-18.5	20
562.8	-18.5	20	582.8	-18.5	20	602.8	-18.5	20	622.8	-18.5	20	642.8	-18.5	20
662.8	-18.5	20	682.8	-18.5	20	702.8	-18.5	20	722.8	-18.5	20	742.8	-18.5	20
-737.3	18.5	20	-717.3	18.5	20	-697.3	18.5	20	-677.3	18.5	20	-657.3	18.5	20
-637.3	18.5	20	-617.3	18.5	20	-597.3	18.5	20	-577.3	18.5	20	-557.3	18.5	20
-537.3	18.5	20	-517.3	18.5	20	-497.3	18.5	20	-477.3	18.5	20	-457.3	18.5	20
-437.3	18.5	20	-417.3	18.5	20	-397.3	18.5	20	-377.3	18.5	20	-357.3	18.5	20
-337.3	18.5	20	-317.3	18.5	20	-297.3	18.5	20	-277.3	18.5	20	-257.3	18.5	20
-237.3	18.5	20	-217.3	18.5	20	-197.3	18.5	20	-177.3	18.5	20	-157.3	18.5	20
-137.3	18.5	20	-117.3	18.5	20	-97.3	18.5	20	-77.3	18.5	20	-57.3	18.5	20
-37.3	18.5	20	-17.3	18.5	20	2.8	18.5	20	22.8	18.5	20	42.8	18.5	20
62.8	18.5	20	82.8	18.5	20	102.8	18.5	20	122.8	18.5	20	142.8	18.5	20
162.8	18.5	20	182.8	18.5	20	202.8	18.5	20	222.8	18.5	20	242.8	18.5	20
262.8	18.5	20	282.8	18.5	20	302.8	18.5	20	322.8	18.5	20	342.8	18.5	20
362.8	18.5	20	382.8	18.5	20	402.8	18.5	20	422.8	18.5	20	442.8	18.5	20
462.8	18.5	20	482.8	18.5	20	502.8	18.5	20	522.8	18.5	20	542.8	18.5	20
562.8	18.5	20	582.8	18.5	20	602.8	18.5	20	622.8	18.5	20	642.8	18.5	20
662.8	18.5	20	682.8	18.5	20	702.8	18.5	20	722.8	18.5	20	742.8	18.5	20
7.5	-18.5	20	7.5	18.5	20									

Sezione a quota 613
Coordinate dei vertici

X	Y
-750.0	25.0
-750.0	171.9
-700.0	171.9
-700.0	25.0
15.0	25.0
15.0	-25.0
-750.0	-25.0
-750.0	25.0
415.0	25.0
700.0	25.0
700.0	171.9
750.0	171.9
750.0	25.0
750.0	-25.0
415.0	-25.0
415.0	25.0
-750.0	25.0

Armature verticali

X	Y	∅	X	Y	∅	X	Y	∅	X	Y	∅	X	Y	∅
-737.3	-18.5	20	-717.3	-18.5	20	-697.3	-18.5	20	-677.3	-18.5	20	-657.3	-18.5	20
-637.3	-18.5	20	-617.3	-18.5	20	-597.3	-18.5	20	-577.3	-18.5	20	-557.3	-18.5	20
-537.3	-18.5	20	-517.3	-18.5	20	-497.3	-18.5	20	-477.3	-18.5	20	-457.3	-18.5	20
-437.3	-18.5	20	-417.3	-18.5	20	-397.3	-18.5	20	-377.3	-18.5	20	-357.3	-18.5	20
-337.3	-18.5	20	-317.3	-18.5	20	-297.3	-18.5	20	-277.3	-18.5	20	-257.3	-18.5	20
-237.3	-18.5	20	-217.3	-18.5	20	-197.3	-18.5	20	-177.3	-18.5	20	-157.3	-18.5	20
-137.3	-18.5	20	-117.3	-18.5	20	-97.3	-18.5	20	-77.3	-18.5	20	-57.3	-18.5	20
-37.3	-18.5	20	-17.3	-18.5	20	2.8	-18.5	20	422.8	-18.5	20	442.8	-18.5	20
462.8	-18.5	20	482.8	-18.5	20	502.8	-18.5	20	522.8	-18.5	20	542.8	-18.5	20
562.8	-18.5	20	582.8	-18.5	20	602.8	-18.5	20	622.8	-18.5	20	642.8	-18.5	20

Serbatoio Castellaneta - camera di manovra

662.8	-18.5	20	682.8	-18.5	20	702.8	-18.5	20	722.8	-18.5	20	742.8	-18.5	20
-737.3	18.5	20	-717.3	18.5	20	-697.3	18.5	20	-677.3	18.5	20	-657.3	18.5	20
-637.3	18.5	20	-617.3	18.5	20	-597.3	18.5	20	-577.3	18.5	20	-557.3	18.5	20
-537.3	18.5	20	-517.3	18.5	20	-497.3	18.5	20	-477.3	18.5	20	-457.3	18.5	20
-437.3	18.5	20	-417.3	18.5	20	-397.3	18.5	20	-377.3	18.5	20	-357.3	18.5	20
-337.3	18.5	20	-317.3	18.5	20	-297.3	18.5	20	-277.3	18.5	20	-257.3	18.5	20
-237.3	18.5	20	-217.3	18.5	20	-197.3	18.5	20	-177.3	18.5	20	-157.3	18.5	20
-137.3	18.5	20	-117.3	18.5	20	-97.3	18.5	20	-77.3	18.5	20	-57.3	18.5	20
-37.3	18.5	20	-17.3	18.5	20	2.8	18.5	20	422.8	18.5	20	442.8	18.5	20
462.8	18.5	20	482.8	18.5	20	502.8	18.5	20	522.8	18.5	20	542.8	18.5	20
562.8	18.5	20	582.8	18.5	20	602.8	18.5	20	622.8	18.5	20	642.8	18.5	20
662.8	18.5	20	682.8	18.5	20	702.8	18.5	20	722.8	18.5	20	742.8	18.5	20
7.5	-18.5	20	7.5	18.5	20									

Sezione a quota 629
Coordinate dei vertici

X	Y
-750.0	25.0
-750.0	167.8
-700.0	167.8
-700.0	25.0
15.0	25.0
15.0	-25.0
-750.0	-25.0
-750.0	25.0
415.0	25.0
700.0	25.0
700.0	167.8
750.0	167.8
750.0	25.0
750.0	-25.0
415.0	-25.0
415.0	25.0
-750.0	25.0

Armature verticali

X	Y	∅	X	Y	∅	X	Y	∅	X	Y	∅	X	Y	∅
-737.3	-18.5	20	-717.3	-18.5	20	-697.3	-18.5	20	-677.3	-18.5	20	-657.3	-18.5	20
-637.3	-18.5	20	-617.3	-18.5	20	-597.3	-18.5	20	-577.3	-18.5	20	-557.3	-18.5	20
-537.3	-18.5	20	-517.3	-18.5	20	-497.3	-18.5	20	-477.3	-18.5	20	-457.3	-18.5	20
-437.3	-18.5	20	-417.3	-18.5	20	-397.3	-18.5	20	-377.3	-18.5	20	-357.3	-18.5	20
-337.3	-18.5	20	-317.3	-18.5	20	-297.3	-18.5	20	-277.3	-18.5	20	-257.3	-18.5	20
-237.3	-18.5	20	-217.3	-18.5	20	-197.3	-18.5	20	-177.3	-18.5	20	-157.3	-18.5	20
-137.3	-18.5	20	-117.3	-18.5	20	-97.3	-18.5	20	-77.3	-18.5	20	-57.3	-18.5	20
-37.3	-18.5	20	-17.3	-18.5	20	2.8	-18.5	20	422.8	-18.5	20	442.8	-18.5	20
462.8	-18.5	20	482.8	-18.5	20	502.8	-18.5	20	522.8	-18.5	20	542.8	-18.5	20
562.8	-18.5	20	582.8	-18.5	20	602.8	-18.5	20	622.8	-18.5	20	642.8	-18.5	20
662.8	-18.5	20	682.8	-18.5	20	702.8	-18.5	20	722.8	-18.5	20	742.8	-18.5	20
-737.3	18.5	20	-717.3	18.5	20	-697.3	18.5	20	-677.3	18.5	20	-657.3	18.5	20
-637.3	18.5	20	-617.3	18.5	20	-597.3	18.5	20	-577.3	18.5	20	-557.3	18.5	20
-537.3	18.5	20	-517.3	18.5	20	-497.3	18.5	20	-477.3	18.5	20	-457.3	18.5	20
-437.3	18.5	20	-417.3	18.5	20	-397.3	18.5	20	-377.3	18.5	20	-357.3	18.5	20
-337.3	18.5	20	-317.3	18.5	20	-297.3	18.5	20	-277.3	18.5	20	-257.3	18.5	20
-237.3	18.5	20	-217.3	18.5	20	-197.3	18.5	20	-177.3	18.5	20	-157.3	18.5	20
-137.3	18.5	20	-117.3	18.5	20	-97.3	18.5	20	-77.3	18.5	20	-57.3	18.5	20
-37.3	18.5	20	-17.3	18.5	20	2.8	18.5	20	422.8	18.5	20	442.8	18.5	20
462.8	18.5	20	482.8	18.5	20	502.8	18.5	20	522.8	18.5	20	542.8	18.5	20
562.8	18.5	20	582.8	18.5	20	602.8	18.5	20	622.8	18.5	20	642.8	18.5	20
662.8	18.5	20	682.8	18.5	20	702.8	18.5	20	722.8	18.5	20	742.8	18.5	20
7.5	-18.5	20	7.5	18.5	20									

Sezione a quota 631
Coordinate dei vertici

X	Y
-750.0	25.0
-750.0	167.3
-700.0	167.3
-700.0	25.0
15.0	25.0
15.0	-25.0
-750.0	-25.0
-750.0	25.0
415.0	25.0
700.0	25.0
700.0	167.3
750.0	167.3
750.0	25.0
750.0	-25.0
415.0	-25.0
415.0	25.0
-750.0	25.0

Armature verticali

X	Y	∅	X	Y	∅	X	Y	∅	X	Y	∅	X	Y	∅
-737.3	-18.5	20	-717.3	-18.5	20	-697.3	-18.5	20	-677.3	-18.5	20	-657.3	-18.5	20
-637.3	-18.5	20	-617.3	-18.5	20	-597.3	-18.5	20	-577.3	-18.5	20	-557.3	-18.5	20
-537.3	-18.5	20	-517.3	-18.5	20	-497.3	-18.5	20	-477.3	-18.5	20	-457.3	-18.5	20
-437.3	-18.5	20	-417.3	-18.5	20	-397.3	-18.5	20	-377.3	-18.5	20	-357.3	-18.5	20
-337.3	-18.5	20	-317.3	-18.5	20	-297.3	-18.5	20	-277.3	-18.5	20	-257.3	-18.5	20
-237.3	-18.5	20	-217.3	-18.5	20	-197.3	-18.5	20	-177.3	-18.5	20	-157.3	-18.5	20
-137.3	-18.5	20	-117.3	-18.5	20	-97.3	-18.5	20	-77.3	-18.5	20	-57.3	-18.5	20
-37.3	-18.5	20	-17.3	-18.5	20	2.8	-18.5	20	422.8	-18.5	20	442.8	-18.5	20
462.8	-18.5	20	482.8	-18.5	20	502.8	-18.5	20	522.8	-18.5	20	542.8	-18.5	20
562.8	-18.5	20	582.8	-18.5	20	602.8	-18.5	20	622.8	-18.5	20	642.8	-18.5	20

```
  662.8  -18.5   20    682.8  -18.5   20    702.8  -18.5   20    722.8  -18.5   20    742.8  -18.5   20
 -737.3   18.5   20   -717.3   18.5   20   -697.3   18.5   20   -677.3   18.5   20   -657.3   18.5   20
 -637.3   18.5   20   -617.3   18.5   20   -597.3   18.5   20   -577.3   18.5   20   -557.3   18.5   20
 -537.3   18.5   20   -517.3   18.5   20   -497.3   18.5   20   -477.3   18.5   20   -457.3   18.5   20
 -437.3   18.5   20   -417.3   18.5   20   -397.3   18.5   20   -377.3   18.5   20   -357.3   18.5   20
 -337.3   18.5   20   -317.3   18.5   20   -297.3   18.5   20   -277.3   18.5   20   -257.3   18.5   20
 -237.3   18.5   20   -217.3   18.5   20   -197.3   18.5   20   -177.3   18.5   20   -157.3   18.5   20
 -137.3   18.5   20   -117.3   18.5   20    -97.3   18.5   20    -77.3   18.5   20    -57.3   18.5   20
  -37.3   18.5   20    -17.3   18.5   20      2.8   18.5   20    422.8   18.5   20    442.8   18.5   20
  462.8   18.5   20    482.8   18.5   20    502.8   18.5   20    522.8   18.5   20    542.8   18.5   20
  562.8   18.5   20    582.8   18.5   20    602.8   18.5   20    622.8   18.5   20    642.8   18.5   20
  662.8   18.5   20    682.8   18.5   20    702.8   18.5   20    722.8   18.5   20    742.8   18.5   20
    7.5  -18.5   20      7.5   18.5   20
```

Sezione a quota 679
Coordinate dei vertici
```
       X        Y
  -750.0     25.0
  -750.0    155.4
  -700.0    155.4
  -700.0     25.0
    15.0     25.0
    15.0    -25.0
  -750.0    -25.0
  -750.0     25.0
   415.0     25.0
   700.0     25.0
   700.0    155.4
   750.0    155.4
   750.0     25.0
   750.0    -25.0
   415.0    -25.0
   415.0     25.0
  -750.0     25.0
```

Armature verticali
```
       X        Y     ø        X        Y     ø        X        Y     ø        X        Y     ø        X        Y     ø
 -737.3  -18.5   20   -717.3  -18.5   20   -697.3  -18.5   20   -677.3  -18.5   20   -657.3  -18.5   20
 -637.3  -18.5   20   -617.3  -18.5   20   -597.3  -18.5   20   -577.3  -18.5   20   -557.3  -18.5   20
 -537.3  -18.5   20   -517.3  -18.5   20   -497.3  -18.5   20   -477.3  -18.5   20   -457.3  -18.5   20
 -437.3  -18.5   20   -417.3  -18.5   20   -397.3  -18.5   20   -377.3  -18.5   20   -357.3  -18.5   20
 -337.3  -18.5   20   -317.3  -18.5   20   -297.3  -18.5   20   -277.3  -18.5   20   -257.3  -18.5   20
 -237.3  -18.5   20   -217.3  -18.5   20   -197.3  -18.5   20   -177.3  -18.5   20   -157.3  -18.5   20
 -137.3  -18.5   20   -117.3  -18.5   20    -97.3  -18.5   20    -77.3  -18.5   20    -57.3  -18.5   20
  -37.3  -18.5   20    -17.3  -18.5   20      2.8  -18.5   20    422.8  -18.5   20    442.8  -18.5   20
  462.8  -18.5   20    482.8  -18.5   20    502.8  -18.5   20    522.8  -18.5   20    542.8  -18.5   20
  562.8  -18.5   20    582.8  -18.5   20    602.8  -18.5   20    622.8  -18.5   20    642.8  -18.5   20
  662.8  -18.5   20    682.8  -18.5   20    702.8  -18.5   20    722.8  -18.5   20    742.8  -18.5   20
 -737.3   18.5   20   -717.3   18.5   20   -697.3   18.5   20   -677.3   18.5   20   -657.3   18.5   20
 -637.3   18.5   20   -617.3   18.5   20   -597.3   18.5   20   -577.3   18.5   20   -557.3   18.5   20
 -537.3   18.5   20   -517.3   18.5   20   -497.3   18.5   20   -477.3   18.5   20   -457.3   18.5   20
 -437.3   18.5   20   -417.3   18.5   20   -397.3   18.5   20   -377.3   18.5   20   -357.3   18.5   20
 -337.3   18.5   20   -317.3   18.5   20   -297.3   18.5   20   -277.3   18.5   20   -257.3   18.5   20
 -237.3   18.5   20   -217.3   18.5   20   -197.3   18.5   20   -177.3   18.5   20   -157.3   18.5   20
 -137.3   18.5   20   -117.3   18.5   20    -97.3   18.5   20    -77.3   18.5   20    -57.3   18.5   20
  -37.3   18.5   20    -17.3   18.5   20      2.8   18.5   20    422.8   18.5   20    442.8   18.5   20
  462.8   18.5   20    482.8   18.5   20    502.8   18.5   20    522.8   18.5   20    542.8   18.5   20
  562.8   18.5   20    582.8   18.5   20    602.8   18.5   20    622.8   18.5   20    642.8   18.5   20
  662.8   18.5   20    682.8   18.5   20    702.8   18.5   20    722.8   18.5   20    742.8   18.5   20
    7.5  -18.5   20      7.5   18.5   20
```

Sezione a quota 726
Coordinate dei vertici
```
       X        Y
  -750.0     25.0
  -750.0    143.5
  -700.0    143.5
  -700.0     25.0
    15.0     25.0
    15.0    -25.0
  -750.0    -25.0
  -750.0     25.0
   415.0     25.0
   700.0     25.0
   700.0    143.5
   750.0    143.5
   750.0     25.0
   750.0    -25.0
   415.0    -25.0
   415.0     25.0
  -750.0     25.0
```

Armature verticali
```
       X        Y     ø        X        Y     ø        X        Y     ø        X        Y     ø        X        Y     ø
 -737.3  -18.5   20   -717.3  -18.5   20   -697.3  -18.5   20   -677.3  -18.5   20   -657.3  -18.5   20
 -637.3  -18.5   20   -617.3  -18.5   20   -597.3  -18.5   20   -577.3  -18.5   20   -557.3  -18.5   20
 -537.3  -18.5   20   -517.3  -18.5   20   -497.3  -18.5   20   -477.3  -18.5   20   -457.3  -18.5   20
 -437.3  -18.5   20   -417.3  -18.5   20   -397.3  -18.5   20   -377.3  -18.5   20   -357.3  -18.5   20
 -337.3  -18.5   20   -317.3  -18.5   20   -297.3  -18.5   20   -277.3  -18.5   20   -257.3  -18.5   20
 -237.3  -18.5   20   -217.3  -18.5   20   -197.3  -18.5   20   -177.3  -18.5   20   -157.3  -18.5   20
 -137.3  -18.5   20   -117.3  -18.5   20    -97.3  -18.5   20    -77.3  -18.5   20    -57.3  -18.5   20
  -37.3  -18.5   20    -17.3  -18.5   20      2.8  -18.5   20    422.8  -18.5   20    442.8  -18.5   20
  462.8  -18.5   20    482.8  -18.5   20    502.8  -18.5   20    522.8  -18.5   20    542.8  -18.5   20
  562.8  -18.5   20    582.8  -18.5   20    602.8  -18.5   20    622.8  -18.5   20    642.8  -18.5   20
```

662.8	-18.5	20	682.8	-18.5	20	702.8	-18.5	20	722.8	-18.5	20	742.8	-18.5	20
-737.3	18.5	20	-717.3	18.5	20	-697.3	18.5	20	-677.3	18.5	20	-657.3	18.5	20
-637.3	18.5	20	-617.3	18.5	20	-597.3	18.5	20	-577.3	18.5	20	-557.3	18.5	20
-537.3	18.5	20	-517.3	18.5	20	-497.3	18.5	20	-477.3	18.5	20	-457.3	18.5	20
-437.3	18.5	20	-417.3	18.5	20	-397.3	18.5	20	-377.3	18.5	20	-357.3	18.5	20
-337.3	18.5	20	-317.3	18.5	20	-297.3	18.5	20	-277.3	18.5	20	-257.3	18.5	20
-237.3	18.5	20	-217.3	18.5	20	-197.3	18.5	20	-177.3	18.5	20	-157.3	18.5	20
-137.3	18.5	20	-117.3	18.5	20	-97.3	18.5	20	-77.3	18.5	20	-57.3	18.5	20
-37.3	18.5	20	-17.3	18.5	20	2.8	18.5	20	422.8	18.5	20	442.8	18.5	20
462.8	18.5	20	482.8	18.5	20	502.8	18.5	20	522.8	18.5	20	542.8	18.5	20
562.8	18.5	20	582.8	18.5	20	602.8	18.5	20	622.8	18.5	20	642.8	18.5	20
662.8	18.5	20	682.8	18.5	20	702.8	18.5	20	722.8	18.5	20	742.8	18.5	20
7.5	-18.5	20	7.5	18.5	20									

Sezione a quota 728
Coordinate dei vertici

X	Y
-750.0	25.0
-750.0	143.0
-700.0	143.0
-700.0	25.0
15.0	25.0
15.0	-25.0
-750.0	-25.0
-750.0	25.0
415.0	25.0
700.0	25.0
700.0	143.0
750.0	143.0
750.0	25.0
750.0	-25.0
415.0	-25.0
415.0	25.0
-750.0	25.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-737.3	-18.5	20	-717.3	-18.5	20	-697.3	-18.5	20	-677.3	-18.5	20	-657.3	-18.5	20
-637.3	-18.5	20	-617.3	-18.5	20	-597.3	-18.5	20	-577.3	-18.5	20	-557.3	-18.5	20
-537.3	-18.5	20	-517.3	-18.5	20	-497.3	-18.5	20	-477.3	-18.5	20	-457.3	-18.5	20
-437.3	-18.5	20	-417.3	-18.5	20	-397.3	-18.5	20	-377.3	-18.5	20	-357.3	-18.5	20
-337.3	-18.5	20	-317.3	-18.5	20	-297.3	-18.5	20	-277.3	-18.5	20	-257.3	-18.5	20
-237.3	-18.5	20	-217.3	-18.5	20	-197.3	-18.5	20	-177.3	-18.5	20	-157.3	-18.5	20
-137.3	-18.5	20	-117.3	-18.5	20	-97.3	-18.5	20	-77.3	-18.5	20	-57.3	-18.5	20
-37.3	-18.5	20	-17.3	-18.5	20	2.8	-18.5	20	422.8	-18.5	20	442.8	-18.5	20
462.8	-18.5	20	482.8	-18.5	20	502.8	-18.5	20	522.8	-18.5	20	542.8	-18.5	20
562.8	-18.5	20	582.8	-18.5	20	602.8	-18.5	20	622.8	-18.5	20	642.8	-18.5	20
662.8	-18.5	20	682.8	-18.5	20	702.8	-18.5	20	722.8	-18.5	20	742.8	-18.5	20
-737.3	18.5	20	-717.3	18.5	20	-697.3	18.5	20	-677.3	18.5	20	-657.3	18.5	20
-637.3	18.5	20	-617.3	18.5	20	-597.3	18.5	20	-577.3	18.5	20	-557.3	18.5	20
-537.3	18.5	20	-517.3	18.5	20	-497.3	18.5	20	-477.3	18.5	20	-457.3	18.5	20
-437.3	18.5	20	-417.3	18.5	20	-397.3	18.5	20	-377.3	18.5	20	-357.3	18.5	20
-337.3	18.5	20	-317.3	18.5	20	-297.3	18.5	20	-277.3	18.5	20	-257.3	18.5	20
-237.3	18.5	20	-217.3	18.5	20	-197.3	18.5	20	-177.3	18.5	20	-157.3	18.5	20
-137.3	18.5	20	-117.3	18.5	20	-97.3	18.5	20	-77.3	18.5	20	-57.3	18.5	20
-37.3	18.5	20	-17.3	18.5	20	2.8	18.5	20	422.8	18.5	20	442.8	18.5	20
462.8	18.5	20	482.8	18.5	20	502.8	18.5	20	522.8	18.5	20	542.8	18.5	20
562.8	18.5	20	582.8	18.5	20	602.8	18.5	20	622.8	18.5	20	642.8	18.5	20
662.8	18.5	20	682.8	18.5	20	702.8	18.5	20	722.8	18.5	20	742.8	18.5	20
7.5	-18.5	20	7.5	18.5	20									

Sezione a quota 729
Coordinate dei vertici

X	Y
-750.0	25.0
-750.0	142.9
-700.0	142.9
-700.0	25.0
15.0	25.0
15.0	-25.0
-750.0	-25.0
-750.0	25.0
415.0	25.0
700.0	25.0
700.0	142.9
750.0	142.9
750.0	25.0
750.0	-25.0
415.0	-25.0
415.0	25.0
-750.0	25.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-737.3	-18.5	20	-717.3	-18.5	20	-697.3	-18.5	20	-677.3	-18.5	20	-657.3	-18.5	20
-637.3	-18.5	20	-617.3	-18.5	20	-597.3	-18.5	20	-577.3	-18.5	20	-557.3	-18.5	20
-537.3	-18.5	20	-517.3	-18.5	20	-497.3	-18.5	20	-477.3	-18.5	20	-457.3	-18.5	20
-437.3	-18.5	20	-417.3	-18.5	20	-397.3	-18.5	20	-377.3	-18.5	20	-357.3	-18.5	20
-337.3	-18.5	20	-317.3	-18.5	20	-297.3	-18.5	20	-277.3	-18.5	20	-257.3	-18.5	20
-237.3	-18.5	20	-217.3	-18.5	20	-197.3	-18.5	20	-177.3	-18.5	20	-157.3	-18.5	20
-137.3	-18.5	20	-117.3	-18.5	20	-97.3	-18.5	20	-77.3	-18.5	20	-57.3	-18.5	20
-37.3	-18.5	20	-17.3	-18.5	20	2.8	-18.5	20	422.8	-18.5	20	442.8	-18.5	20
462.8	-18.5	20	482.8	-18.5	20	502.8	-18.5	20	522.8	-18.5	20	542.8	-18.5	20
562.8	-18.5	20	582.8	-18.5	20	602.8	-18.5	20	622.8	-18.5	20	642.8	-18.5	20

662.8	-18.5	20	682.8	-18.5	20	702.8	-18.5	20	722.8	-18.5	20	742.8	-18.5	20
-737.3	18.5	20	-717.3	18.5	20	-697.3	18.5	20	-677.3	18.5	20	-657.3	18.5	20
-637.3	18.5	20	-617.3	18.5	20	-597.3	18.5	20	-577.3	18.5	20	-557.3	18.5	20
-537.3	18.5	20	-517.3	18.5	20	-497.3	18.5	20	-477.3	18.5	20	-457.3	18.5	20
-437.3	18.5	20	-417.3	18.5	20	-397.3	18.5	20	-377.3	18.5	20	-357.3	18.5	20
-337.3	18.5	20	-317.3	18.5	20	-297.3	18.5	20	-277.3	18.5	20	-257.3	18.5	20
-237.3	18.5	20	-217.3	18.5	20	-197.3	18.5	20	-177.3	18.5	20	-157.3	18.5	20
-137.3	18.5	20	-117.3	18.5	20	-97.3	18.5	20	-77.3	18.5	20	-57.3	18.5	20
-37.3	18.5	20	-17.3	18.5	20	2.8	18.5	20	422.8	18.5	20	442.8	18.5	20
462.8	18.5	20	482.8	18.5	20	502.8	18.5	20	522.8	18.5	20	542.8	18.5	20
562.8	18.5	20	582.8	18.5	20	602.8	18.5	20	622.8	18.5	20	642.8	18.5	20
662.8	18.5	20	682.8	18.5	20	702.8	18.5	20	722.8	18.5	20	742.8	18.5	20
7.5	-18.5	20	7.5	18.5	20									

Sezione a quota 729
Coordinate dei vertici

X	Y
-750.0	25.0
-750.0	142.8
-700.0	142.8
-700.0	25.0
15.0	25.0
15.0	-25.0
-750.0	-25.0
-750.0	25.0
415.0	25.0
700.0	25.0
700.0	142.8
750.0	142.8
750.0	25.0
750.0	-25.0
415.0	-25.0
415.0	25.0
-750.0	25.0

Armature verticali

X	Y	∅	X	Y	∅	X	Y	∅	X	Y	∅	X	Y	∅
-737.3	-18.5	20	-717.3	-18.5	20	-697.3	-18.5	20	-677.3	-18.5	20	-657.3	-18.5	20
-637.3	-18.5	20	-617.3	-18.5	20	-597.3	-18.5	20	-577.3	-18.5	20	-557.3	-18.5	20
-537.3	-18.5	20	-517.3	-18.5	20	-497.3	-18.5	20	-477.3	-18.5	20	-457.3	-18.5	20
-437.3	-18.5	20	-417.3	-18.5	20	-397.3	-18.5	20	-377.3	-18.5	20	-357.3	-18.5	20
-337.3	-18.5	20	-317.3	-18.5	20	-297.3	-18.5	20	-277.3	-18.5	20	-257.3	-18.5	20
-237.3	-18.5	20	-217.3	-18.5	20	-197.3	-18.5	20	-177.3	-18.5	20	-157.3	-18.5	20
-137.3	-18.5	20	-117.3	-18.5	20	-97.3	-18.5	20	-77.3	-18.5	20	-57.3	-18.5	20
-37.3	-18.5	20	-17.3	-18.5	20	2.8	-18.5	20	422.8	-18.5	20	442.8	-18.5	20
462.8	-18.5	20	482.8	-18.5	20	502.8	-18.5	20	522.8	-18.5	20	542.8	-18.5	20
562.8	-18.5	20	582.8	-18.5	20	602.8	-18.5	20	622.8	-18.5	20	642.8	-18.5	20
662.8	-18.5	20	682.8	-18.5	20	702.8	-18.5	20	722.8	-18.5	20	742.8	-18.5	20
-737.3	18.5	20	-717.3	18.5	20	-697.3	18.5	20	-677.3	18.5	20	-657.3	18.5	20
-637.3	18.5	20	-617.3	18.5	20	-597.3	18.5	20	-577.3	18.5	20	-557.3	18.5	20
-537.3	18.5	20	-517.3	18.5	20	-497.3	18.5	20	-477.3	18.5	20	-457.3	18.5	20
-437.3	18.5	20	-417.3	18.5	20	-397.3	18.5	20	-377.3	18.5	20	-357.3	18.5	20
-337.3	18.5	20	-317.3	18.5	20	-297.3	18.5	20	-277.3	18.5	20	-257.3	18.5	20
-237.3	18.5	20	-217.3	18.5	20	-197.3	18.5	20	-177.3	18.5	20	-157.3	18.5	20
-137.3	18.5	20	-117.3	18.5	20	-97.3	18.5	20	-77.3	18.5	20	-57.3	18.5	20
-37.3	18.5	20	-17.3	18.5	20	2.8	18.5	20	422.8	18.5	20	442.8	18.5	20
462.8	18.5	20	482.8	18.5	20	502.8	18.5	20	522.8	18.5	20	542.8	18.5	20
562.8	18.5	20	582.8	18.5	20	602.8	18.5	20	622.8	18.5	20	642.8	18.5	20
662.8	18.5	20	682.8	18.5	20	702.8	18.5	20	722.8	18.5	20	742.8	18.5	20
7.5	-18.5	20	7.5	18.5	20									

Sezione a quota 731
Coordinate dei vertici

X	Y
-750.0	25.0
-750.0	142.3
-700.0	142.3
-700.0	25.0
15.0	25.0
15.0	-25.0
-750.0	-25.0
-750.0	25.0
415.0	25.0
700.0	25.0
700.0	142.3
750.0	142.3
750.0	25.0
750.0	-25.0
415.0	-25.0
415.0	25.0
-750.0	25.0

Armature verticali

X	Y	∅	X	Y	∅	X	Y	∅	X	Y	∅	X	Y	∅
-737.3	-18.5	20	-717.3	-18.5	20	-697.3	-18.5	20	-677.3	-18.5	20	-657.3	-18.5	20
-637.3	-18.5	20	-617.3	-18.5	20	-597.3	-18.5	20	-577.3	-18.5	20	-557.3	-18.5	20
-537.3	-18.5	20	-517.3	-18.5	20	-497.3	-18.5	20	-477.3	-18.5	20	-457.3	-18.5	20
-437.3	-18.5	20	-417.3	-18.5	20	-397.3	-18.5	20	-377.3	-18.5	20	-357.3	-18.5	20
-337.3	-18.5	20	-317.3	-18.5	20	-297.3	-18.5	20	-277.3	-18.5	20	-257.3	-18.5	20
-237.3	-18.5	20	-217.3	-18.5	20	-197.3	-18.5	20	-177.3	-18.5	20	-157.3	-18.5	20
-137.3	-18.5	20	-117.3	-18.5	20	-97.3	-18.5	20	-77.3	-18.5	20	-57.3	-18.5	20
-37.3	-18.5	20	-17.3	-18.5	20	2.8	-18.5	20	422.8	-18.5	20	442.8	-18.5	20
462.8	-18.5	20	482.8	-18.5	20	502.8	-18.5	20	522.8	-18.5	20	542.8	-18.5	20
562.8	-18.5	20	582.8	-18.5	20	602.8	-18.5	20	622.8	-18.5	20	642.8	-18.5	20

Serbatoio Castellaneta - camera di manovra

X	Y	∅	X	Y	∅	X	Y	∅	X	Y	∅	X	Y	∅
662.8	-18.5	20	682.8	-18.5	20	702.8	-18.5	20	722.8	-18.5	20	742.8	-18.5	20
-737.3	18.5	20	-717.3	18.5	20	-697.3	18.5	20	-677.3	18.5	20	-657.3	18.5	20
-637.3	18.5	20	-617.3	18.5	20	-597.3	18.5	20	-577.3	18.5	20	-557.3	18.5	20
-537.3	18.5	20	-517.3	18.5	20	-497.3	18.5	20	-477.3	18.5	20	-457.3	18.5	20
-437.3	18.5	20	-417.3	18.5	20	-397.3	18.5	20	-377.3	18.5	20	-357.3	18.5	20
-337.3	18.5	20	-317.3	18.5	20	-297.3	18.5	20	-277.3	18.5	20	-257.3	18.5	20
-237.3	18.5	20	-217.3	18.5	20	-197.3	18.5	20	-177.3	18.5	20	-157.3	18.5	20
-137.3	18.5	20	-117.3	18.5	20	-97.3	18.5	20	-77.3	18.5	20	-57.3	18.5	20
-37.3	18.5	20	-17.3	18.5	20	2.8	18.5	20	422.8	18.5	20	442.8	18.5	20
462.8	18.5	20	482.8	18.5	20	502.8	18.5	20	522.8	18.5	20	542.8	18.5	20
562.8	18.5	20	582.8	18.5	20	602.8	18.5	20	622.8	18.5	20	642.8	18.5	20
662.8	18.5	20	682.8	18.5	20	702.8	18.5	20	722.8	18.5	20	742.8	18.5	20
7.5	-18.5	20	7.5	18.5	20									

Sezione a quota 951
Coordinate dei vertici

X	Y
-750.0	25.0
-750.0	87.3
-700.0	87.3
-700.0	25.0
700.0	25.0
700.0	87.3
750.0	87.3
750.0	25.0
750.0	-25.0
-750.0	-25.0

Armature verticali

X	Y	∅	X	Y	∅	X	Y	∅	X	Y	∅	X	Y	∅
-737.3	-18.5	20	-717.3	-18.5	20	-697.3	-18.5	20	-677.3	-18.5	20	-657.3	-18.5	20
-637.3	-18.5	20	-617.3	-18.5	20	-597.3	-18.5	20	-577.3	-18.5	20	-557.3	-18.5	20
-537.3	-18.5	20	-517.3	-18.5	20	-497.3	-18.5	20	-477.3	-18.5	20	-457.3	-18.5	20
-437.3	-18.5	20	-417.3	-18.5	20	-397.3	-18.5	20	-377.3	-18.5	20	-357.3	-18.5	20
-337.3	-18.5	20	-317.3	-18.5	20	-297.3	-18.5	20	-277.3	-18.5	20	-257.3	-18.5	20
-237.3	-18.5	20	-217.3	-18.5	20	-197.3	-18.5	20	-177.3	-18.5	20	-157.3	-18.5	20
-137.3	-18.5	20	-117.3	-18.5	20	-97.3	-18.5	20	-77.3	-18.5	20	-57.3	-18.5	20
-37.3	-18.5	20	-17.3	-18.5	20	2.8	-18.5	20	22.8	-18.5	20	42.8	-18.5	20
62.8	-18.5	20	82.8	-18.5	20	102.8	-18.5	20	122.8	-18.5	20	142.8	-18.5	20
162.8	-18.5	20	182.8	-18.5	20	202.8	-18.5	20	222.8	-18.5	20	242.8	-18.5	20
262.8	-18.5	20	282.8	-18.5	20	302.8	-18.5	20	322.8	-18.5	20	342.8	-18.5	20
362.8	-18.5	20	382.8	-18.5	20	402.8	-18.5	20	422.8	-18.5	20	442.8	-18.5	20
462.8	-18.5	20	482.8	-18.5	20	502.8	-18.5	20	522.8	-18.5	20	542.8	-18.5	20
562.8	-18.5	20	582.8	-18.5	20	602.8	-18.5	20	622.8	-18.5	20	642.8	-18.5	20
662.8	-18.5	20	682.8	-18.5	20	702.8	-18.5	20	722.8	-18.5	20	742.8	-18.5	20
-737.3	18.5	20	-717.3	18.5	20	-697.3	18.5	20	-677.3	18.5	20	-657.3	18.5	20
-637.3	18.5	20	-617.3	18.5	20	-597.3	18.5	20	-577.3	18.5	20	-557.3	18.5	20
-537.3	18.5	20	-517.3	18.5	20	-497.3	18.5	20	-477.3	18.5	20	-457.3	18.5	20
-437.3	18.5	20	-417.3	18.5	20	-397.3	18.5	20	-377.3	18.5	20	-357.3	18.5	20
-337.3	18.5	20	-317.3	18.5	20	-297.3	18.5	20	-277.3	18.5	20	-257.3	18.5	20
-237.3	18.5	20	-217.3	18.5	20	-197.3	18.5	20	-177.3	18.5	20	-157.3	18.5	20
-137.3	18.5	20	-117.3	18.5	20	-97.3	18.5	20	-77.3	18.5	20	-57.3	18.5	20
-37.3	18.5	20	-17.3	18.5	20	2.8	18.5	20	22.8	18.5	20	42.8	18.5	20
62.8	18.5	20	82.8	18.5	20	102.8	18.5	20	122.8	18.5	20	142.8	18.5	20
162.8	18.5	20	182.8	18.5	20	202.8	18.5	20	222.8	18.5	20	242.8	18.5	20
262.8	18.5	20	282.8	18.5	20	302.8	18.5	20	322.8	18.5	20	342.8	18.5	20
362.8	18.5	20	382.8	18.5	20	402.8	18.5	20	422.8	18.5	20	442.8	18.5	20
462.8	18.5	20	482.8	18.5	20	502.8	18.5	20	522.8	18.5	20	542.8	18.5	20
562.8	18.5	20	582.8	18.5	20	602.8	18.5	20	622.8	18.5	20	642.8	18.5	20
662.8	18.5	20	682.8	18.5	20	702.8	18.5	20	722.8	18.5	20	742.8	18.5	20

Sezione a quota 1171
Coordinate dei vertici

X	Y
-750.0	-25.0
-750.0	25.0
750.0	25.0
750.0	-25.0

Armature verticali

X	Y	∅	X	Y	∅	X	Y	∅	X	Y	∅	X	Y	∅
-737.3	-18.5	20	-717.3	-18.5	20	-697.3	-18.5	20	-677.3	-18.5	20	-657.3	-18.5	20
-637.3	-18.5	20	-617.3	-18.5	20	-597.3	-18.5	20	-577.3	-18.5	20	-557.3	-18.5	20
-537.3	-18.5	20	-517.3	-18.5	20	-497.3	-18.5	20	-477.3	-18.5	20	-457.3	-18.5	20
-437.3	-18.5	20	-417.3	-18.5	20	-397.3	-18.5	20	-377.3	-18.5	20	-357.3	-18.5	20
-337.3	-18.5	20	-317.3	-18.5	20	-297.3	-18.5	20	-277.3	-18.5	20	-257.3	-18.5	20
-237.3	-18.5	20	-217.3	-18.5	20	-197.3	-18.5	20	-177.3	-18.5	20	-157.3	-18.5	20
-137.3	-18.5	20	-117.3	-18.5	20	-97.3	-18.5	20	-77.3	-18.5	20	-57.3	-18.5	20
-37.3	-18.5	20	-17.3	-18.5	20	2.8	-18.5	20	22.8	-18.5	20	42.8	-18.5	20
62.8	-18.5	20	82.8	-18.5	20	102.8	-18.5	20	122.8	-18.5	20	142.8	-18.5	20
162.8	-18.5	20	182.8	-18.5	20	202.8	-18.5	20	222.8	-18.5	20	242.8	-18.5	20
262.8	-18.5	20	282.8	-18.5	20	302.8	-18.5	20	322.8	-18.5	20	342.8	-18.5	20
362.8	-18.5	20	382.8	-18.5	20	402.8	-18.5	20	422.8	-18.5	20	442.8	-18.5	20
462.8	-18.5	20	482.8	-18.5	20	502.8	-18.5	20	522.8	-18.5	20	542.8	-18.5	20
562.8	-18.5	20	582.8	-18.5	20	602.8	-18.5	20	622.8	-18.5	20	642.8	-18.5	20
662.8	-18.5	20	682.8	-18.5	20	702.8	-18.5	20	722.8	-18.5	20	742.8	-18.5	20
-737.3	18.5	20	-717.3	18.5	20	-697.3	18.5	20	-677.3	18.5	20	-657.3	18.5	20
-637.3	18.5	20	-617.3	18.5	20	-597.3	18.5	20	-577.3	18.5	20	-557.3	18.5	20
-537.3	18.5	20	-517.3	18.5	20	-497.3	18.5	20	-477.3	18.5	20	-457.3	18.5	20
-437.3	18.5	20	-417.3	18.5	20	-397.3	18.5	20	-377.3	18.5	20	-357.3	18.5	20
-337.3	18.5	20	-317.3	18.5	20	-297.3	18.5	20	-277.3	18.5	20	-257.3	18.5	20
-237.3	18.5	20	-217.3	18.5	20	-197.3	18.5	20	-177.3	18.5	20	-157.3	18.5	20
-137.3	18.5	20	-117.3	18.5	20	-97.3	18.5	20	-77.3	18.5	20	-57.3	18.5	20
-37.3	18.5	20	-17.3	18.5	20	2.8	18.5	20	22.8	18.5	20	42.8	18.5	20

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
62.8	18.5	20	82.8	18.5	20	102.8	18.5	20	122.8	18.5	20	142.8	18.5	20
162.8	18.5	20	182.8	18.5	20	202.8	18.5	20	222.8	18.5	20	242.8	18.5	20
262.8	18.5	20	282.8	18.5	20	302.8	18.5	20	322.8	18.5	20	342.8	18.5	20
362.8	18.5	20	382.8	18.5	20	402.8	18.5	20	422.8	18.5	20	442.8	18.5	20
462.8	18.5	20	482.8	18.5	20	502.8	18.5	20	522.8	18.5	20	542.8	18.5	20
562.8	18.5	20	582.8	18.5	20	602.8	18.5	20	622.8	18.5	20	642.8	18.5	20
662.8	18.5	20	682.8	18.5	20	702.8	18.5	20	722.8	18.5	20	742.8	18.5	20

Sezione a quota 1173
Coordinate dei vertici

X	Y
-750.0	-25.0
-750.0	25.0
750.0	25.0
750.0	-25.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-737.3	-18.5	20	-717.3	-18.5	20	-697.3	-18.5	20	-677.3	-18.5	20	-657.3	-18.5	20
-637.3	-18.5	20	-617.3	-18.5	20	-597.3	-18.5	20	-577.3	-18.5	20	-557.3	-18.5	20
-537.3	-18.5	20	-517.3	-18.5	20	-497.3	-18.5	20	-477.3	-18.5	20	-457.3	-18.5	20
-437.3	-18.5	20	-417.3	-18.5	20	-397.3	-18.5	20	-377.3	-18.5	20	-357.3	-18.5	20
-337.3	-18.5	20	-317.3	-18.5	20	-297.3	-18.5	20	-277.3	-18.5	20	-257.3	-18.5	20
-237.3	-18.5	20	-217.3	-18.5	20	-197.3	-18.5	20	-177.3	-18.5	20	-157.3	-18.5	20
-137.3	-18.5	20	-117.3	-18.5	20	-97.3	-18.5	20	-77.3	-18.5	20	-57.3	-18.5	20
-37.3	-18.5	20	-17.3	-18.5	20	2.8	-18.5	20	22.8	-18.5	20	42.8	-18.5	20
62.8	-18.5	20	82.8	-18.5	20	102.8	-18.5	20	122.8	-18.5	20	142.8	-18.5	20
162.8	-18.5	20	182.8	-18.5	20	202.8	-18.5	20	222.8	-18.5	20	242.8	-18.5	20
262.8	-18.5	20	282.8	-18.5	20	302.8	-18.5	20	322.8	-18.5	20	342.8	-18.5	20
362.8	-18.5	20	382.8	-18.5	20	402.8	-18.5	20	422.8	-18.5	20	442.8	-18.5	20
462.8	-18.5	20	482.8	-18.5	20	502.8	-18.5	20	522.8	-18.5	20	542.8	-18.5	20
562.8	-18.5	20	582.8	-18.5	20	602.8	-18.5	20	622.8	-18.5	20	642.8	-18.5	20
662.8	-18.5	20	682.8	-18.5	20	702.8	-18.5	20	722.8	-18.5	20	742.8	-18.5	20
-737.3	18.5	20	-717.3	18.5	20	-697.3	18.5	20	-677.3	18.5	20	-657.3	18.5	20
-637.3	18.5	20	-617.3	18.5	20	-597.3	18.5	20	-577.3	18.5	20	-557.3	18.5	20
-537.3	18.5	20	-517.3	18.5	20	-497.3	18.5	20	-477.3	18.5	20	-457.3	18.5	20
-437.3	18.5	20	-417.3	18.5	20	-397.3	18.5	20	-377.3	18.5	20	-357.3	18.5	20
-337.3	18.5	20	-317.3	18.5	20	-297.3	18.5	20	-277.3	18.5	20	-257.3	18.5	20
-237.3	18.5	20	-217.3	18.5	20	-197.3	18.5	20	-177.3	18.5	20	-157.3	18.5	20
-137.3	18.5	20	-117.3	18.5	20	-97.3	18.5	20	-77.3	18.5	20	-57.3	18.5	20
-37.3	18.5	20	-17.3	18.5	20	2.8	18.5	20	22.8	18.5	20	42.8	18.5	20
62.8	18.5	20	82.8	18.5	20	102.8	18.5	20	122.8	18.5	20	142.8	18.5	20
162.8	18.5	20	182.8	18.5	20	202.8	18.5	20	222.8	18.5	20	242.8	18.5	20
262.8	18.5	20	282.8	18.5	20	302.8	18.5	20	322.8	18.5	20	342.8	18.5	20
362.8	18.5	20	382.8	18.5	20	402.8	18.5	20	422.8	18.5	20	442.8	18.5	20
462.8	18.5	20	482.8	18.5	20	502.8	18.5	20	522.8	18.5	20	542.8	18.5	20
562.8	18.5	20	582.8	18.5	20	602.8	18.5	20	622.8	18.5	20	642.8	18.5	20
662.8	18.5	20	682.8	18.5	20	702.8	18.5	20	722.8	18.5	20	742.8	18.5	20

Sezione a quota 1236
Coordinate dei vertici

X	Y
-750.0	-25.0
-750.0	25.0
750.0	25.0
750.0	-25.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-737.3	-18.5	20	-717.3	-18.5	20	-697.3	-18.5	20	-677.3	-18.5	20	-657.3	-18.5	20
-637.3	-18.5	20	-617.3	-18.5	20	-597.3	-18.5	20	-577.3	-18.5	20	-557.3	-18.5	20
-537.3	-18.5	20	-517.3	-18.5	20	-497.3	-18.5	20	-477.3	-18.5	20	-457.3	-18.5	20
-437.3	-18.5	20	-417.3	-18.5	20	-397.3	-18.5	20	-377.3	-18.5	20	-357.3	-18.5	20
-337.3	-18.5	20	-317.3	-18.5	20	-297.3	-18.5	20	-277.3	-18.5	20	-257.3	-18.5	20
-237.3	-18.5	20	-217.3	-18.5	20	-197.3	-18.5	20	-177.3	-18.5	20	-157.3	-18.5	20
-137.3	-18.5	20	-117.3	-18.5	20	-97.3	-18.5	20	-77.3	-18.5	20	-57.3	-18.5	20
-37.3	-18.5	20	-17.3	-18.5	20	2.8	-18.5	20	22.8	-18.5	20	42.8	-18.5	20
62.8	-18.5	20	82.8	-18.5	20	102.8	-18.5	20	122.8	-18.5	20	142.8	-18.5	20
162.8	-18.5	20	182.8	-18.5	20	202.8	-18.5	20	222.8	-18.5	20	242.8	-18.5	20
262.8	-18.5	20	282.8	-18.5	20	302.8	-18.5	20	322.8	-18.5	20	342.8	-18.5	20
362.8	-18.5	20	382.8	-18.5	20	402.8	-18.5	20	422.8	-18.5	20	442.8	-18.5	20
462.8	-18.5	20	482.8	-18.5	20	502.8	-18.5	20	522.8	-18.5	20	542.8	-18.5	20
562.8	-18.5	20	582.8	-18.5	20	602.8	-18.5	20	622.8	-18.5	20	642.8	-18.5	20
662.8	-18.5	20	682.8	-18.5	20	702.8	-18.5	20	722.8	-18.5	20	742.8	-18.5	20
-737.3	18.5	20	-717.3	18.5	20	-697.3	18.5	20	-677.3	18.5	20	-657.3	18.5	20
-637.3	18.5	20	-617.3	18.5	20	-597.3	18.5	20	-577.3	18.5	20	-557.3	18.5	20
-537.3	18.5	20	-517.3	18.5	20	-497.3	18.5	20	-477.3	18.5	20	-457.3	18.5	20
-437.3	18.5	20	-417.3	18.5	20	-397.3	18.5	20	-377.3	18.5	20	-357.3	18.5	20
-337.3	18.5	20	-317.3	18.5	20	-297.3	18.5	20	-277.3	18.5	20	-257.3	18.5	20
-237.3	18.5	20	-217.3	18.5	20	-197.3	18.5	20	-177.3	18.5	20	-157.3	18.5	20
-137.3	18.5	20	-117.3	18.5	20	-97.3	18.5	20	-77.3	18.5	20	-57.3	18.5	20
-37.3	18.5	20	-17.3	18.5	20	2.8	18.5	20	22.8	18.5	20	42.8	18.5	20
62.8	18.5	20	82.8	18.5	20	102.8	18.5	20	122.8	18.5	20	142.8	18.5	20
162.8	18.5	20	182.8	18.5	20	202.8	18.5	20	222.8	18.5	20	242.8	18.5	20
262.8	18.5	20	282.8	18.5	20	302.8	18.5	20	322.8	18.5	20	342.8	18.5	20
362.8	18.5	20	382.8	18.5	20	402.8	18.5	20	422.8	18.5	20	442.8	18.5	20
462.8	18.5	20	482.8	18.5	20	502.8	18.5	20	522.8	18.5	20	542.8	18.5	20
562.8	18.5	20	582.8	18.5	20	602.8	18.5	20	622.8	18.5	20	642.8	18.5	20
662.8	18.5	20	682.8	18.5	20	702.8	18.5	20	722.8	18.5	20	742.8	18.5	20

Sezione a quota 1299
Coordinate dei vertici

X	Y
-750.0	-25.0

```
 -750.0    25.0
  750.0    25.0
  750.0   -25.0
```

Armature verticali

X	Y	∅	X	Y	∅	X	Y	∅	X	Y	∅	X	Y	∅
-737.3	-18.5	20	-717.3	-18.5	20	-697.3	-18.5	20	-677.3	-18.5	20	-657.3	-18.5	20
-637.3	-18.5	20	-617.3	-18.5	20	-597.3	-18.5	20	-577.3	-18.5	20	-557.3	-18.5	20
-537.3	-18.5	20	-517.3	-18.5	20	-497.3	-18.5	20	-477.3	-18.5	20	-457.3	-18.5	20
-437.3	-18.5	20	-417.3	-18.5	20	-397.3	-18.5	20	-377.3	-18.5	20	-357.3	-18.5	20
-337.3	-18.5	20	-317.3	-18.5	20	-297.3	-18.5	20	-277.3	-18.5	20	-257.3	-18.5	20
-237.3	-18.5	20	-217.3	-18.5	20	-197.3	-18.5	20	-177.3	-18.5	20	-157.3	-18.5	20
-137.3	-18.5	20	-117.3	-18.5	20	-97.3	-18.5	20	-77.3	-18.5	20	-57.3	-18.5	20
-37.3	-18.5	20	-17.3	-18.5	20	2.8	-18.5	20	22.8	-18.5	20	42.8	-18.5	20
62.8	-18.5	20	82.8	-18.5	20	102.8	-18.5	20	122.8	-18.5	20	142.8	-18.5	20
162.8	-18.5	20	182.8	-18.5	20	202.8	-18.5	20	222.8	-18.5	20	242.8	-18.5	20
262.8	-18.5	20	282.8	-18.5	20	302.8	-18.5	20	322.8	-18.5	20	342.8	-18.5	20
362.8	-18.5	20	382.8	-18.5	20	402.8	-18.5	20	422.8	-18.5	20	442.8	-18.5	20
462.8	-18.5	20	482.8	-18.5	20	502.8	-18.5	20	522.8	-18.5	20	542.8	-18.5	20
562.8	-18.5	20	582.8	-18.5	20	602.8	-18.5	20	622.8	-18.5	20	642.8	-18.5	20
662.8	-18.5	20	682.8	-18.5	20	702.8	-18.5	20	722.8	-18.5	20	742.8	-18.5	20
-737.3	18.5	20	-717.3	18.5	20	-697.3	18.5	20	-677.3	18.5	20	-657.3	18.5	20
-637.3	18.5	20	-617.3	18.5	20	-597.3	18.5	20	-577.3	18.5	20	-557.3	18.5	20
-537.3	18.5	20	-517.3	18.5	20	-497.3	18.5	20	-477.3	18.5	20	-457.3	18.5	20
-437.3	18.5	20	-417.3	18.5	20	-397.3	18.5	20	-377.3	18.5	20	-357.3	18.5	20
-337.3	18.5	20	-317.3	18.5	20	-297.3	18.5	20	-277.3	18.5	20	-257.3	18.5	20
-237.3	18.5	20	-217.3	18.5	20	-197.3	18.5	20	-177.3	18.5	20	-157.3	18.5	20
-137.3	18.5	20	-117.3	18.5	20	-97.3	18.5	20	-77.3	18.5	20	-57.3	18.5	20
-37.3	18.5	20	-17.3	18.5	20	2.8	18.5	20	22.8	18.5	20	42.8	18.5	20
62.8	18.5	20	82.8	18.5	20	102.8	18.5	20	122.8	18.5	20	142.8	18.5	20
162.8	18.5	20	182.8	18.5	20	202.8	18.5	20	222.8	18.5	20	242.8	18.5	20
262.8	18.5	20	282.8	18.5	20	302.8	18.5	20	322.8	18.5	20	342.8	18.5	20
362.8	18.5	20	382.8	18.5	20	402.8	18.5	20	422.8	18.5	20	442.8	18.5	20
462.8	18.5	20	482.8	18.5	20	502.8	18.5	20	522.8	18.5	20	542.8	18.5	20
562.8	18.5	20	582.8	18.5	20	602.8	18.5	20	622.8	18.5	20	642.8	18.5	20
662.8	18.5	20	682.8	18.5	20	702.8	18.5	20	722.8	18.5	20	742.8	18.5	20

Verifica eseguita con comportamento non dissipativo
Le condizioni sismiche sono state moltiplicate per i rispettivi fattori di struttura

```
 fcd fctd   Hcr q.Hcr   hw    Lw    n.p.   hs
 212   16   365  315   1350  1500    10   158
```

Verifica a pressoflessione

quota	Mxd	Myd	Ned	Ngrav.	NReale	c.s.	comb
107	28675050	9300445	-309490	-309490	-309490	9.2331	8 SLU
107	44176600	-20645210	-15148	-231184	-15148	5.2278	11 SLV
185	9776458	5041178	-281150	-281150	-281150	59.6593	8 SLU
185	-7579654	32523150	-405025	-209593	-405025	11.1062	6 SLV
263	-1609648	3961980	-249904	-249904	-249904	36.4039	5 SLU
263	-4984192	29764520	-354285	-182308	-354285	13.4688	6 SLV
265	-1839214	4414832	-247930	-247930	-247930	33.6418	5 SLU
265	-4480605	51063590	-262205	-180886	-262205	13.4878	2 SLV
267	-2058410	4021642	-246967	-246967	-246967	31.6409	5 SLU
267	-4516169	49887960	-261415	-180144	-261415	13.5104	2 SLV
269	-2277606	3821320	-246475	-246475	-246475	29.7629	5 SLU
269	-4550171	48874730	-261032	-179766	-261032	13.5224	2 SLV
271	-2498361	3609702	-245708	-245708	-245708	28.0820	5 SLU
271	-4586025	47862870	-260519	-179255	-260519	13.5314	2 SLV
433	-7552421	-4989389	-184450	-184450	-184450	9.3743	8 SLU
433	-11335500	-22356180	-12654	-137705	-12654	3.3228	12 SLV
594	-905309	-16589170	-127656	-127656	-127656	58.3436	8 SLU
594	-6176686	-28710170	-17244	-97584	-17244	5.9907	12 SLV
596	-781683	-26117170	-125663	-125663	-125663	34.7962	8 SLU
596	-6060042	-28394750	-16714	-96287	-16714	5.7539	12 SLV
613	288158	-27409490	-122397	-122397	-122397	47.2237	8 SLU
613	-4794915	-29308870	-11384	-94486	-11384	5.5942	12 SLV
629	1465635	-17582210	-91914	-91914	-91914	115.2776	5 SLU
629	-3902799	-32971900	4192	-76827	4192	6.2515	12 SLV
631	1479434	-17635480	-91637	-91637	-91637	115.0861	5 SLU
631	-3872917	-33000240	4685	-76614	4685	6.2792	12 SLV
679	1623318	-14681500	-81811	-81811	-81811	123.0388	5 SLU
679	-3517828	-27256960	7831	-68732	7831	6.8862	12 SLV
726	1691050	-14479350	-82491	-82491	-82491	107.8611	5 SLU
726	-3182754	-27378610	-8228	-68537	-8228	8.0958	12 SLV
728	1688856	-14487170	-82250	-82250	-82250	107.4631	5 SLU
728	-3183857	-27203100	-8333	-68353	-8333	8.1051	12 SLV
729	1688308	-14477040	-82250	-82250	-82250	107.3678	5 SLU
729	-3184411	-27167420	-8333	-68353	-8333	8.1054	12 SLV
729	1687759	-14466910	-82250	-82250	-82250	107.2726	5 SLU
729	-3184965	-27131730	-8333	-68353	-8333	8.1057	12 SLV
731	1685566	-14497340	-81947	-81947	-81947	106.8637	5 SLU
731	-3185164	-27110780	-7782	-68119	-7782	8.0840	12 SLV
951	1155235	-4220109	-73085	-73085	-73085	119.8218	5 SLU
951	-3342345	-21954840	-55592	-57611	-55592	13.6495	11 SLV
1171	393064	-1346345	-32902	-32902	-32902	275.8682	5 SLU
1171	2620382	8420629	-21074	-25390	-21074	16.1880	6 SLV
1173	412958	-945211	-33936	-33936	-33936	270.3490	7 SLU
1173	2762767	7228762	-22097	-25917	-22097	15.5806	6 SLV
1236	222536	-862465	-18970	-18970	-18970	480.0883	7 SLU
1236	1630545	3443511	-12146	-14338	-12146	26.4332	6 SLV
1299	-8712	-207539	-2007	-2007	-2007	6083.6110	6 SLU
1299	4675	-2472741	-345	-1325	-345	528.2607	4 SLV

Verifica compressione del diagonale

quota	epsilon	VEd	Vrcd	comb
107	1.00	54195	3236674	6 SLU
107	1.00	491076	3214628	4 SLV
185	1.00	52644	3231021	6 SLU
185	1.00	492307	3212114	4 SLV
263	1.00	52045	3223741	6 SLU
263	1.00	482306	3207936	4 SLV
265	1.00	52039	3223347	6 SLU
265	1.00	482179	3207662	4 SLV
267	1.00	52039	3223154	6 SLU
267	1.00	482177	3207506	4 SLV
269	1.00	52039	3223055	6 SLU
269	1.00	482176	3207431	4 SLV
271	1.00	52034	3222902	6 SLU
271	1.00	481981	3207333	4 SLV
433	1.00	61273	3211707	6 SLU
433	1.00	453117	3202268	4 SLV
594	1.00	60334	3200266	6 SLU
594	1.00	386863	3191689	4 SLV
596	1.00	60321	2353268	6 SLU
596	1.00	387728	2344819	4 SLV
613	1.00	58232	2352620	6 SLU
613	1.00	387270	2344680	4 SLV
629	1.00	-37729	2346106	8 SLU
629	1.00	-255363	2337542	15 SLV
631	1.00	-37729	2346050	8 SLU
631	1.00	-255459	2337471	15 SLV
679	1.00	-31562	2344065	8 SLU
679	1.00	-241692	2333985	15 SLV
726	1.00	-26464	2344322	8 SLU
726	1.00	-226657	2336042	15 SLV
728	1.00	-26464	2344273	8 SLU
728	1.00	-226571	2336027	15 SLV
729	1.00	-26464	2344273	8 SLU
729	1.00	-226571	2336027	15 SLV
729	1.00	-26464	2344273	8 SLU
729	1.00	-226571	2336027	15 SLV
731	1.00	-26464	2344213	8 SLU
731	1.00	-226635	2335953	15 SLV
951	1.00	-15499	3189367	8 SLU
951	1.00	-175607	3187208	13 SLV
1171	1.00	-12742	3181362	8 SLU
1171	1.00	-133156	3180727	15 SLV
1173	1.00	-12328	3181546	8 SLU
1173	1.00	-127179	3180479	15 SLV
1236	1.00	-11965	3178554	8 SLU
1236	1.00	-113714	3177513	15 SLV
1299	1.00	-11952	3175159	8 SLU
1299	1.00	-111771	3175219	15 SLV

Verifica trazione del diagonale

quota	alfaS	At	roh	rov	MEd	NEd	VEd	VRsd	comb
107	0.00	923.6	0.0085	0.0123	11372530	-309618	54195	2006449	6 SLU
107	0.00	923.6	0.0085	0.0123	92454440	-199389	491076	2006449	4 SLV
185	0.00	923.6	0.0076	0.0123	6598865	-281357	52644	1794002	6 SLU
185	0.00	923.6	0.0076	0.0123	65628400	-186821	492307	1794002	4 SLV
263	0.00	471.2	0.0063	0.0063	3510909	-244955	52045	1475330	6 SLU
263	0.00	471.2	0.0063	0.0063	43805890	-165931	482306	1475330	4 SLV
265	0.00	471.2	0.0063	0.0063	3963321	-242982	52039	1475330	6 SLU
265	0.00	471.2	0.0063	0.0063	43094330	-164561	482179	1475330	4 SLV
267	0.00	471.2	0.0063	0.0063	3569693	-242019	52039	1475330	6 SLU
267	0.00	471.2	0.0063	0.0063	41905820	-163782	482177	1475330	4 SLV
269	0.00	471.2	0.0063	0.0063	3368932	-241527	52039	1475330	6 SLU
269	0.00	471.2	0.0063	0.0063	40866620	-163406	482176	1475330	4 SLV
271	0.00	471.2	0.0063	0.0063	3156874	-240760	52034	1475330	6 SLU
271	0.00	471.2	0.0063	0.0063	39824570	-162916	481981	1475330	4 SLV
433	0.00	471.2	0.0063	0.0063	-4873916	-184783	61273	1475330	6 SLU
433	0.00	471.2	0.0063	0.0063	-2841279	-137591	453117	1475330	4 SLV
594	0.00	477.5	0.0063	0.0064	-17161420	-127580	60334	1475330	6 SLU
594	0.00	477.5	0.0063	0.0064	-42973250	-84693	386863	1475330	4 SLV
596	0.00	477.5	0.0063	0.0087	-26701150	-125587	60321	1081909	6 SLU
596	0.00	477.5	0.0063	0.0087	-49792360	-83345	387728	1081909	4 SLV
613	0.00	351.9	0.0063	0.0064	-28137830	-122350	58232	1081909	6 SLU
613	0.00	351.9	0.0063	0.0064	-56425610	-82651	387270	1081909	4 SLV
629	0.00	351.9	0.0063	0.0064	-17884980	-89778	-37729	1081909	8 SLU
629	0.00	351.9	0.0063	0.0064	6757570	-46958	-255363	1081909	15 SLV
631	0.00	351.9	0.0063	0.0064	-17924800	-89501	-37729	1081909	8 SLU
631	0.00	351.9	0.0063	0.0064	7125531	-46607	-255459	1081909	15 SLV
679	0.00	351.9	0.0063	0.0064	-14720090	-79576	-31562	1081909	8 SLU
679	0.00	351.9	0.0063	0.0064	14150680	-29174	-241692	1081909	15 SLV
726	0.00	351.9	0.0063	0.0064	-14806900	-80857	-26464	1081909	8 SLU
726	0.00	351.9	0.0063	0.0064	2981375	-39461	-226657	1081909	15 SLV
728	0.00	351.9	0.0063	0.0064	-14802330	-80617	-26464	1081909	8 SLU
728	0.00	351.9	0.0063	0.0064	3422421	-39382	-226571	1081909	15 SLV
729	0.00	351.9	0.0063	0.0064	-14789100	-80617	-26464	1081909	8 SLU
729	0.00	351.9	0.0063	0.0064	3535706	-39382	-226571	1081909	15 SLV
729	0.00	351.9	0.0063	0.0064	-14775870	-80617	-26464	1081909	8 SLU
729	0.00	351.9	0.0063	0.0064	3648992	-39382	-226571	1081909	15 SLV
731	0.00	351.9	0.0063	0.0064	-14793900	-80314	-26464	1081909	8 SLU
731	0.00	351.9	0.0063	0.0064	4019118	-39016	-226635	1081909	15 SLV
951	0.00	471.2	0.0063	0.0063	-4967820	-73085	-15499	1475330	8 SLU
951	0.00	471.2	0.0063	0.0063	-6472248	-62289	-175607	1475330	13 SLV

```
1171    0.00 471.2  0.0063  0.0063  -1576357    -33059   -12742  1475330  8 SLU
1171    0.00 471.2  0.0063  0.0063  -2023127    -29882  -133156  1475330 15 SLV
1173    0.00 471.2  0.0063  0.0063  -1126059    -33980   -12328  1475330  8 SLU
1173    0.00 471.2  0.0063  0.0063  -7050565    -28643  -127179  1475330 15 SLV
1236    0.00 471.2  0.0063  0.0063   -953751    -19021   -11965  1475330  8 SLU
1236    0.00 471.2  0.0063  0.0063  -4086301    -13817  -113714  1475330 15 SLV
1299    0.00 471.2  0.0050  0.0063   -146697     -2045   -11952  1180264  8 SLU
1299    0.00 471.2  0.0050  0.0063   1667107     -2343  -111771  1180264 15 SLV
```

Parete lato vasche A

Parete fra le coordinate in pianta (750;923) (100;923)
da quota -35 a quota 1300
Valori in daN, cm
C35/45_1: rck 450
fyk 4500

Verifica di stato limite ultimo

```
 nod sez   B   H  Af+  Af-   c+   c-    c.s.   comb      N        M       Nu       Mu
1264  o  85  45 22.0 22.0  6.5  6.5   1.081    1 SLV  128047  -536301   138477  -579987
      v  90  45 12.6 12.6  8.5  8.5   9.424   14 SLV  -11130  -372507  -104891 -3510506
1291  o  60  45 23.6 23.6  6.5  6.5   1.039   14 SLV  154764  -387717   160749  -402713
      v 120  45 18.8 18.8  8.5  8.5   4.589   14 SLV   28412   -79448   130391  -364606
3071  o 110  45 15.7 15.7  6.5  6.5   2.203    5 SLU    1636  1014072     3603  2233753
      v 120  45 18.8 18.8  8.5  8.5   2.336   16 SLV    7934  1024130    18536  2392728
```

Combinazione rara

```
 nod sez   B   H  Af+  Af-   c+   c-   sc  c      N         M       sf   c      N         M  Wk(mm) Wlim   st Sm(mm)   c
1264  o  85  45 22.0 22.0  6.5  6.5 -45.7 1 ra -9.60E03 -1.04E06 1183.3 1 ra -9.60E03 -1.04E06 0.00 999.00 30.4   0.0 1 ra
      v  90  45 12.6 12.6  8.5  8.5  -8.0 1 ra -1.04E03 -1.28E05  267.7 1 ra -1.04E03 -1.28E05 0.00 999.00  3.8   0.0 1 ra
1291  o  60  45 23.6 23.6  6.5  6.5 -13.1 1 ra -1.59E04 -2.22E05   33.7 1 ra -1.59E04 -2.22E05 0.00 999.00  4.1   0.0 1 ra
      v 120  45 18.8 18.8  8.5  8.5  -1.2 1 ra  1.18E03 -2.89E04   80.6 1 ra  1.18E03 -2.89E04 0.00 999.00  0.9   0.0 1 ra
3071  o 110  45 15.7 15.7  6.5  6.5 -32.5 1 ra  1.07E03  7.34E05 1382.1 1 ra  1.07E03  7.34E05 0.00 999.00 18.9   0.0 1 ra
      v 120  45 18.8 18.8  8.5  8.5  -9.2 1 ra -1.64E03 -2.08E05  293.9 1 ra -1.64E03 -2.08E05 0.00 999.00  4.6   0.0 1 ra
```

Combinazione frequente

```
 nod sez   B   H  Af+  Af-   c+   c-   sc  c      N         M       sf   c      N         M  Wk(mm) Wklim   st Sm(mm)   c
1264  o  85  45 22.0 22.0  6.5  6.5 -45.7 1 fr -9.60E03 -1.04E06 1183.3 1 fr -9.60E03 -1.04E06 0.00 0.20 30.4   0.0 1 fr
      v  90  45 12.6 12.6  8.5  8.5  -8.0 1 fr -1.04E03 -1.28E05  267.7 1 fr -1.04E03 -1.28E05 0.00 0.20  3.8   0.0 1 fr
1291  o  60  45 23.6 23.6  6.5  6.5 -13.1 1 fr -1.59E04 -2.22E05   33.7 1 fr -1.59E04 -2.22E05 0.00 0.20  4.1   0.0 1 fr
      v 120  45 18.8 18.8  8.5  8.5  -1.2 1 fr  1.18E03 -2.89E04   80.6 1 fr  1.18E03 -2.89E04 0.00 0.20  0.9   0.0 1 fr
3071  o 110  45 15.7 15.7  6.5  6.5 -32.5 1 fr  1.07E03  7.34E05 1382.1 1 fr  1.07E03  7.34E05 0.00 0.20 18.9   0.0 1 fr
      v 120  45 18.8 18.8  8.5  8.5  -9.2 1 fr -1.64E03 -2.08E05  293.9 1 fr -1.64E03 -2.08E05 0.00 0.20  4.6   0.0 1 fr
```

Combinazione quasi permanente

```
 nod sez   B   H  Af+  Af-   c+   c-   sc  c      N         M       sf   c      N         M  Wk(mm) Wklim   st Sm(mm)   c
1264  o  85  45 22.0 22.0  6.5  6.5 -43.1 4 q. -1.22E04 -9.68E05 1061.4 3 q. -9.91E03 -9.50E05 0.00 0.20 27.6   0.0 1 q.
      v  90  45 12.6 12.6  8.5  8.5  -8.0 2 q. -1.39E03 -1.29E05  258.7 4 q. -1.23E03 -1.27E05 0.00 0.20  3.8   0.0 1 q.
1291  o  60  45 23.6 23.6  6.5  6.5 -12.6 3 q. -1.62E04 -2.09E05   23.2 4 q. -1.54E04 -2.04E05 0.00 0.20  3.5   0.0 1 q.
      v 120  45 18.8 18.8  8.5  8.5  -1.2 3 q.  6.95E02 -2.71E04   66.1 4 q.  8.13E02 -2.64E04 0.00 0.20  0.8   0.0 1 q.
3071  o 110  45 15.7 15.7  6.5  6.5 -28.8 4 q.  4.10E02  6.49E05 1204.7 4 q.  4.10E02  6.49E05 0.00 0.20 16.6   0.0 1 q.
      v 120  45 18.8 18.8  8.5  8.5  -7.4 4 q. -1.19E03 -1.67E05  240.4 4 q. -1.19E03 -1.67E05 0.00 0.20  3.7   0.0 1 q.
```

Verifica dei pannelli

Pannello : Pannello da Filo 112 a Filo 69

Sezione a quota -4
Coordinate dei vertici
```
    X       Y
 -750.0  -22.5
 -750.0   22.5
 -100.0   22.5
 -100.0  -22.5
```

Armature verticali
```
    X       Y    ø      X       Y    ø      X       Y    ø      X       Y    ø      X       Y    ø
 -730.0  -16.0   20  -710.0  -16.0   20  -690.0  -16.0   20  -670.0  -16.0   20  -650.0  -16.0   20
 -630.0  -16.0   20  -610.0  -16.0   20  -590.0  -16.0   20  -570.0  -16.0   20  -550.0  -16.0   20
 -530.0  -16.0   20  -510.0  -16.0   20  -490.0  -16.0   20  -470.0  -16.0   20  -450.0  -16.0   20
 -430.0  -16.0   20  -410.0  -16.0   20  -390.0  -16.0   20  -370.0  -16.0   20  -350.0  -16.0   20
 -330.0  -16.0   20  -310.0  -16.0   20  -290.0  -16.0   20  -270.0  -16.0   20  -250.0  -16.0   20
 -230.0  -16.0   20  -210.0  -16.0   20  -190.0  -16.0   20  -170.0  -16.0   20  -150.0  -16.0   20
 -130.0  -16.0   20  -110.0  -16.0   20  -730.0   16.0   20  -710.0   16.0   20  -690.0   16.0   20
 -670.0   16.0   20  -650.0   16.0   20  -630.0   16.0   20  -610.0   16.0   20  -590.0   16.0   20
 -570.0   16.0   20  -550.0   16.0   20  -530.0   16.0   20  -510.0   16.0   20  -490.0   16.0   20
 -470.0   16.0   20  -450.0   16.0   20  -430.0   16.0   20  -410.0   16.0   20  -390.0   16.0   20
 -370.0   16.0   20  -350.0   16.0   20  -330.0   16.0   20  -310.0   16.0   20  -290.0   16.0   20
 -270.0   16.0   20  -250.0   16.0   20  -230.0   16.0   20  -210.0   16.0   20  -190.0   16.0   20
 -170.0   16.0   20  -150.0   16.0   20  -130.0   16.0   20  -110.0   16.0   20  -100.0  -16.0   20
 -100.0   16.0   20  -122.1  -16.0   20  -122.1   16.0   20  -148.7  -16.0   20  -148.7   16.0   20
 -713.4  -16.0   20  -713.4   16.0   20  -681.9  -16.0   20  -681.9   16.0   20  -175.2  -16.0   20
 -175.2   16.0   20  -112.5  -16.0   20  -112.5   16.0   20  -106.6  -16.0   20  -106.6   16.0   20
 -722.5  -16.0   20  -722.5   16.0   20
```

Sezione a quota 51
Coordinate dei vertici
```
    X       Y
 -750.0  -22.5
 -750.0   22.5
 -100.0   22.5
 -100.0  -22.5
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-730.0	-16.0	20	-710.0	-16.0	20	-690.0	-16.0	20	-670.0	-16.0	20	-650.0	-16.0	20
-630.0	-16.0	20	-610.0	-16.0	20	-590.0	-16.0	20	-570.0	-16.0	20	-550.0	-16.0	20
-530.0	-16.0	20	-510.0	-16.0	20	-490.0	-16.0	20	-470.0	-16.0	20	-450.0	-16.0	20
-430.0	-16.0	20	-410.0	-16.0	20	-390.0	-16.0	20	-370.0	-16.0	20	-350.0	-16.0	20
-330.0	-16.0	20	-310.0	-16.0	20	-290.0	-16.0	20	-270.0	-16.0	20	-250.0	-16.0	20
-230.0	-16.0	20	-210.0	-16.0	20	-190.0	-16.0	20	-170.0	-16.0	20	-150.0	-16.0	20
-130.0	-16.0	20	-110.0	-16.0	20	-730.0	16.0	20	-710.0	16.0	20	-690.0	16.0	20
-670.0	16.0	20	-650.0	16.0	20	-630.0	16.0	20	-610.0	16.0	20	-590.0	16.0	20
-570.0	16.0	20	-550.0	16.0	20	-530.0	16.0	20	-510.0	16.0	20	-490.0	16.0	20
-470.0	16.0	20	-450.0	16.0	20	-430.0	16.0	20	-410.0	16.0	20	-390.0	16.0	20
-370.0	16.0	20	-350.0	16.0	20	-330.0	16.0	20	-310.0	16.0	20	-290.0	16.0	20
-270.0	16.0	20	-250.0	16.0	20	-230.0	16.0	20	-210.0	16.0	20	-190.0	16.0	20
-170.0	16.0	20	-150.0	16.0	20	-130.0	16.0	20	-110.0	16.0	20	-100.0	-16.0	20
-100.0	16.0	20	-122.1	-16.0	20	-122.1	16.0	20	-148.7	-16.0	20	-148.7	16.0	20
-713.4	-16.0	20	-713.4	16.0	20	-681.9	-16.0	20	-681.9	16.0	20	-175.2	-16.0	20
-175.2	16.0	20	-112.5	-16.0	20	-112.5	16.0	20	-106.6	-16.0	20	-106.6	16.0	20
-722.5	-16.0	20	-722.5	16.0	20									

Sezione a quota 105
Coordinate dei vertici

X	Y
-750.0	-22.5
-750.0	22.5
-100.0	22.5
-100.0	-22.5

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-730.0	-16.0	20	-710.0	-16.0	20	-690.0	-16.0	20	-670.0	-16.0	20	-650.0	-16.0	20
-630.0	-16.0	20	-610.0	-16.0	20	-590.0	-16.0	20	-570.0	-16.0	20	-550.0	-16.0	20
-530.0	-16.0	20	-510.0	-16.0	20	-490.0	-16.0	20	-470.0	-16.0	20	-450.0	-16.0	20
-430.0	-16.0	20	-410.0	-16.0	20	-390.0	-16.0	20	-370.0	-16.0	20	-350.0	-16.0	20
-330.0	-16.0	20	-310.0	-16.0	20	-290.0	-16.0	20	-270.0	-16.0	20	-250.0	-16.0	20
-230.0	-16.0	20	-210.0	-16.0	20	-190.0	-16.0	20	-170.0	-16.0	20	-150.0	-16.0	20
-130.0	-16.0	20	-110.0	-16.0	20	-730.0	16.0	20	-710.0	16.0	20	-690.0	16.0	20
-670.0	16.0	20	-650.0	16.0	20	-630.0	16.0	20	-610.0	16.0	20	-590.0	16.0	20
-570.0	16.0	20	-550.0	16.0	20	-530.0	16.0	20	-510.0	16.0	20	-490.0	16.0	20
-470.0	16.0	20	-450.0	16.0	20	-430.0	16.0	20	-410.0	16.0	20	-390.0	16.0	20
-370.0	16.0	20	-350.0	16.0	20	-330.0	16.0	20	-310.0	16.0	20	-290.0	16.0	20
-270.0	16.0	20	-250.0	16.0	20	-230.0	16.0	20	-210.0	16.0	20	-190.0	16.0	20
-170.0	16.0	20	-150.0	16.0	20	-130.0	16.0	20	-110.0	16.0	20	-100.0	-16.0	20
-100.0	16.0	20	-122.1	-16.0	20	-122.1	16.0	20	-148.7	-16.0	20	-148.7	16.0	20
-713.4	-16.0	20	-713.4	16.0	20	-681.9	-16.0	20	-681.9	16.0	20	-175.2	-16.0	20
-175.2	16.0	20	-112.5	-16.0	20	-112.5	16.0	20	-106.6	-16.0	20	-106.6	16.0	20
-722.5	-16.0	20	-722.5	16.0	20									

Sezione a quota 107
Coordinate dei vertici

X	Y
-750.0	-22.5
-750.0	22.5
-100.0	22.5
-100.0	-22.5

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-730.0	-16.0	20	-710.0	-16.0	20	-690.0	-16.0	20	-670.0	-16.0	20	-650.0	-16.0	20
-630.0	-16.0	20	-610.0	-16.0	20	-590.0	-16.0	20	-570.0	-16.0	20	-550.0	-16.0	20
-530.0	-16.0	20	-510.0	-16.0	20	-490.0	-16.0	20	-470.0	-16.0	20	-450.0	-16.0	20
-430.0	-16.0	20	-410.0	-16.0	20	-390.0	-16.0	20	-370.0	-16.0	20	-350.0	-16.0	20
-330.0	-16.0	20	-310.0	-16.0	20	-290.0	-16.0	20	-270.0	-16.0	20	-250.0	-16.0	20
-230.0	-16.0	20	-210.0	-16.0	20	-190.0	-16.0	20	-170.0	-16.0	20	-150.0	-16.0	20
-130.0	-16.0	20	-110.0	-16.0	20	-730.0	16.0	20	-710.0	16.0	20	-690.0	16.0	20
-670.0	16.0	20	-650.0	16.0	20	-630.0	16.0	20	-610.0	16.0	20	-590.0	16.0	20
-570.0	16.0	20	-550.0	16.0	20	-530.0	16.0	20	-510.0	16.0	20	-490.0	16.0	20
-470.0	16.0	20	-450.0	16.0	20	-430.0	16.0	20	-410.0	16.0	20	-390.0	16.0	20
-370.0	16.0	20	-350.0	16.0	20	-330.0	16.0	20	-310.0	16.0	20	-290.0	16.0	20
-270.0	16.0	20	-250.0	16.0	20	-230.0	16.0	20	-210.0	16.0	20	-190.0	16.0	20
-170.0	16.0	20	-150.0	16.0	20	-130.0	16.0	20	-110.0	16.0	20	-100.0	-16.0	20
-100.0	16.0	20	-122.1	-16.0	20	-122.1	16.0	20	-148.7	-16.0	20	-148.7	16.0	20
-713.4	-16.0	20	-713.4	16.0	20	-681.9	-16.0	20	-681.9	16.0	20	-175.2	-16.0	20
-175.2	16.0	20	-112.5	-16.0	20	-112.5	16.0	20	-106.6	-16.0	20	-106.6	16.0	20
-722.5	-16.0	20	-722.5	16.0	20									

Sezione a quota 185
Coordinate dei vertici

X	Y
-750.0	-22.5
-750.0	22.5
-100.0	22.5
-100.0	-22.5

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-730.0	-16.0	20	-710.0	-16.0	20	-690.0	-16.0	20	-670.0	-16.0	20	-650.0	-16.0	20
-630.0	-16.0	20	-610.0	-16.0	20	-590.0	-16.0	20	-570.0	-16.0	20	-550.0	-16.0	20
-530.0	-16.0	20	-510.0	-16.0	20	-490.0	-16.0	20	-470.0	-16.0	20	-450.0	-16.0	20
-430.0	-16.0	20	-410.0	-16.0	20	-390.0	-16.0	20	-370.0	-16.0	20	-350.0	-16.0	20
-330.0	-16.0	20	-310.0	-16.0	20	-290.0	-16.0	20	-270.0	-16.0	20	-250.0	-16.0	20
-230.0	-16.0	20	-210.0	-16.0	20	-190.0	-16.0	20	-170.0	-16.0	20	-150.0	-16.0	20
-130.0	-16.0	20	-110.0	-16.0	20	-730.0	16.0	20	-710.0	16.0	20	-690.0	16.0	20
-670.0	16.0	20	-650.0	16.0	20	-630.0	16.0	20	-610.0	16.0	20	-590.0	16.0	20

```
-570.0    16.0   20   -550.0    16.0   20   -530.0    16.0   20   -510.0    16.0   20   -490.0    16.0   20
-470.0    16.0   20   -450.0    16.0   20   -430.0    16.0   20   -410.0    16.0   20   -390.0    16.0   20
-370.0    16.0   20   -350.0    16.0   20   -330.0    16.0   20   -310.0    16.0   20   -290.0    16.0   20
-270.0    16.0   20   -250.0    16.0   20   -230.0    16.0   20   -210.0    16.0   20   -190.0    16.0   20
-170.0    16.0   20   -150.0    16.0   20   -130.0    16.0   20   -110.0    16.0   20   -100.0   -16.0   20
-100.0    16.0   20   -122.1   -16.0   20   -122.1    16.0   20   -148.7   -16.0   20   -148.7    16.0   20
-713.4   -16.0   20   -713.4    16.0   20   -681.9   -16.0   20   -681.9    16.0   20   -175.2   -16.0   20
-175.2    16.0   20   -112.5   -16.0   20   -112.5    16.0   20   -106.6   -16.0   20   -106.6    16.0   20
-722.5   -16.0   20   -722.5    16.0   20
```

Sezione a quota 263
Coordinate dei vertici
```
     X       Y
-750.0   -22.5
-750.0    22.5
-100.0    22.5
-100.0   -22.5
```

Armature verticali
```
     X       Y    ø        X       Y    ø        X       Y    ø        X       Y    ø        X       Y    ø
-730.0   -16.0   20   -710.0   -16.0   20   -690.0   -16.0   20   -670.0   -16.0   20   -650.0   -16.0   20
-630.0   -16.0   20   -610.0   -16.0   20   -590.0   -16.0   20   -570.0   -16.0   20   -550.0   -16.0   20
-530.0   -16.0   20   -510.0   -16.0   20   -490.0   -16.0   20   -470.0   -16.0   20   -450.0   -16.0   20
-430.0   -16.0   20   -410.0   -16.0   20   -390.0   -16.0   20   -370.0   -16.0   20   -350.0   -16.0   20
-330.0   -16.0   20   -310.0   -16.0   20   -290.0   -16.0   20   -270.0   -16.0   20   -250.0   -16.0   20
-230.0   -16.0   20   -210.0   -16.0   20   -190.0   -16.0   20   -170.0   -16.0   20   -150.0   -16.0   20
-130.0   -16.0   20   -110.0   -16.0   20   -730.0    16.0   20   -710.0    16.0   20   -690.0    16.0   20
-670.0    16.0   20   -650.0    16.0   20   -630.0    16.0   20   -610.0    16.0   20   -590.0    16.0   20
-570.0    16.0   20   -550.0    16.0   20   -530.0    16.0   20   -510.0    16.0   20   -490.0    16.0   20
-470.0    16.0   20   -450.0    16.0   20   -430.0    16.0   20   -410.0    16.0   20   -390.0    16.0   20
-370.0    16.0   20   -350.0    16.0   20   -330.0    16.0   20   -310.0    16.0   20   -290.0    16.0   20
-270.0    16.0   20   -250.0    16.0   20   -230.0    16.0   20   -210.0    16.0   20   -190.0    16.0   20
-170.0    16.0   20   -150.0    16.0   20   -130.0    16.0   20   -110.0    16.0   20   -100.0   -16.0   20
-100.0    16.0   20   -122.1   -16.0   20   -122.1    16.0   20   -148.7   -16.0   20   -148.7    16.0   20
-713.4   -16.0   20   -713.4    16.0   20   -681.9   -16.0   20   -681.9    16.0   20   -175.2   -16.0   20
-175.2    16.0   20   -112.5   -16.0   20   -112.5    16.0   20   -106.6   -16.0   20   -106.6    16.0   20
-722.5   -16.0   20   -722.5    16.0   20
```

Sezione a quota 265
Coordinate dei vertici
```
     X       Y
-750.0   -22.5
-750.0    22.5
-100.0    22.5
-100.0   -22.5
```

Armature verticali
```
     X       Y    ø        X       Y    ø        X       Y    ø        X       Y    ø        X       Y    ø
-730.0   -16.0   20   -710.0   -16.0   20   -690.0   -16.0   20   -670.0   -16.0   20   -650.0   -16.0   20
-630.0   -16.0   20   -610.0   -16.0   20   -590.0   -16.0   20   -570.0   -16.0   20   -550.0   -16.0   20
-530.0   -16.0   20   -510.0   -16.0   20   -490.0   -16.0   20   -470.0   -16.0   20   -450.0   -16.0   20
-430.0   -16.0   20   -410.0   -16.0   20   -390.0   -16.0   20   -370.0   -16.0   20   -350.0   -16.0   20
-330.0   -16.0   20   -310.0   -16.0   20   -290.0   -16.0   20   -270.0   -16.0   20   -250.0   -16.0   20
-230.0   -16.0   20   -210.0   -16.0   20   -190.0   -16.0   20   -170.0   -16.0   20   -150.0   -16.0   20
-130.0   -16.0   20   -110.0   -16.0   20   -730.0    16.0   20   -710.0    16.0   20   -690.0    16.0   20
-670.0    16.0   20   -650.0    16.0   20   -630.0    16.0   20   -610.0    16.0   20   -590.0    16.0   20
-570.0    16.0   20   -550.0    16.0   20   -530.0    16.0   20   -510.0    16.0   20   -490.0    16.0   20
-470.0    16.0   20   -450.0    16.0   20   -430.0    16.0   20   -410.0    16.0   20   -390.0    16.0   20
-370.0    16.0   20   -350.0    16.0   20   -330.0    16.0   20   -310.0    16.0   20   -290.0    16.0   20
-270.0    16.0   20   -250.0    16.0   20   -230.0    16.0   20   -210.0    16.0   20   -190.0    16.0   20
-170.0    16.0   20   -150.0    16.0   20   -130.0    16.0   20   -110.0    16.0   20   -100.0   -16.0   20
-100.0    16.0   20   -122.1   -16.0   20   -122.1    16.0   20   -148.7   -16.0   20   -148.7    16.0   20
-713.4   -16.0   20   -713.4    16.0   20   -681.9   -16.0   20   -681.9    16.0   20   -175.2   -16.0   20
-175.2    16.0   20   -112.5   -16.0   20   -112.5    16.0   20   -106.6   -16.0   20   -106.6    16.0   20
-722.5   -16.0   20   -722.5    16.0   20
```

Sezione a quota 267
Coordinate dei vertici
```
     X       Y
-750.0   -22.5
-750.0    22.5
-100.0    22.5
-100.0   -22.5
```

Armature verticali
```
     X       Y    ø        X       Y    ø        X       Y    ø        X       Y    ø        X       Y    ø
-730.0   -16.0   20   -710.0   -16.0   20   -690.0   -16.0   20   -670.0   -16.0   20   -650.0   -16.0   20
-630.0   -16.0   20   -610.0   -16.0   20   -590.0   -16.0   20   -570.0   -16.0   20   -550.0   -16.0   20
-530.0   -16.0   20   -510.0   -16.0   20   -490.0   -16.0   20   -470.0   -16.0   20   -450.0   -16.0   20
-430.0   -16.0   20   -410.0   -16.0   20   -390.0   -16.0   20   -370.0   -16.0   20   -350.0   -16.0   20
-330.0   -16.0   20   -310.0   -16.0   20   -290.0   -16.0   20   -270.0   -16.0   20   -250.0   -16.0   20
-230.0   -16.0   20   -210.0   -16.0   20   -190.0   -16.0   20   -170.0   -16.0   20   -150.0   -16.0   20
-130.0   -16.0   20   -110.0   -16.0   20   -730.0    16.0   20   -710.0    16.0   20   -690.0    16.0   20
-670.0    16.0   20   -650.0    16.0   20   -630.0    16.0   20   -610.0    16.0   20   -590.0    16.0   20
-570.0    16.0   20   -550.0    16.0   20   -530.0    16.0   20   -510.0    16.0   20   -490.0    16.0   20
-470.0    16.0   20   -450.0    16.0   20   -430.0    16.0   20   -410.0    16.0   20   -390.0    16.0   20
-370.0    16.0   20   -350.0    16.0   20   -330.0    16.0   20   -310.0    16.0   20   -290.0    16.0   20
-270.0    16.0   20   -250.0    16.0   20   -230.0    16.0   20   -210.0    16.0   20   -190.0    16.0   20
-170.0    16.0   20   -150.0    16.0   20   -130.0    16.0   20   -110.0    16.0   20   -100.0   -16.0   20
-100.0    16.0   20   -122.1   -16.0   20   -122.1    16.0   20   -148.7   -16.0   20   -148.7    16.0   20
-713.4   -16.0   20   -713.4    16.0   20   -681.9   -16.0   20   -681.9    16.0   20   -175.2   -16.0   20
-175.2    16.0   20   -112.5   -16.0   20   -112.5    16.0   20   -106.6   -16.0   20   -106.6    16.0   20
-722.5   -16.0   20   -722.5    16.0   20
```

```
Sezione a quota 269
Coordinate dei vertici
     X        Y
 -750.0    -22.5
 -750.0     22.5
 -100.0     22.5
 -100.0    -22.5
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-730.0	-16.0	20	-710.0	-16.0	20	-690.0	-16.0	20	-670.0	-16.0	20	-650.0	-16.0	20
-630.0	-16.0	20	-610.0	-16.0	20	-590.0	-16.0	20	-570.0	-16.0	20	-550.0	-16.0	20
-530.0	-16.0	20	-510.0	-16.0	20	-490.0	-16.0	20	-470.0	-16.0	20	-450.0	-16.0	20
-430.0	-16.0	20	-410.0	-16.0	20	-390.0	-16.0	20	-370.0	-16.0	20	-350.0	-16.0	20
-330.0	-16.0	20	-310.0	-16.0	20	-290.0	-16.0	20	-270.0	-16.0	20	-250.0	-16.0	20
-230.0	-16.0	20	-210.0	-16.0	20	-190.0	-16.0	20	-170.0	-16.0	20	-150.0	-16.0	20
-130.0	-16.0	20	-110.0	-16.0	20	-730.0	16.0	20	-710.0	16.0	20	-690.0	16.0	20
-670.0	16.0	20	-650.0	16.0	20	-630.0	16.0	20	-610.0	16.0	20	-590.0	16.0	20
-570.0	16.0	20	-550.0	16.0	20	-530.0	16.0	20	-510.0	16.0	20	-490.0	16.0	20
-470.0	16.0	20	-450.0	16.0	20	-430.0	16.0	20	-410.0	16.0	20	-390.0	16.0	20
-370.0	16.0	20	-350.0	16.0	20	-330.0	16.0	20	-310.0	16.0	20	-290.0	16.0	20
-270.0	16.0	20	-250.0	16.0	20	-230.0	16.0	20	-210.0	16.0	20	-190.0	16.0	20
-170.0	16.0	20	-150.0	16.0	20	-130.0	16.0	20	-110.0	16.0	20	-100.0	-16.0	20
-100.0	16.0	20	-122.1	-16.0	20	-122.1	16.0	20	-148.7	-16.0	20	-148.7	16.0	20
-713.4	-16.0	20	-713.4	16.0	20	-681.9	-16.0	20	-681.9	16.0	20	-175.2	-16.0	20
-175.2	16.0	20	-112.5	-16.0	20	-112.5	16.0	20	-106.6	-16.0	20	-106.6	16.0	20
-722.5	-16.0	20	-722.5	16.0	20									

```
Sezione a quota 271
Coordinate dei vertici
     X        Y
 -750.0     22.5
 -750.0    257.3
 -700.0    257.3
 -700.0     22.5
 -100.0     22.5
 -100.0    -22.5
 -750.0    -22.5
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-730.0	-16.0	20	-710.0	-16.0	20	-690.0	-16.0	20	-670.0	-16.0	20	-650.0	-16.0	20
-630.0	-16.0	20	-610.0	-16.0	20	-590.0	-16.0	20	-570.0	-16.0	20	-550.0	-16.0	20
-530.0	-16.0	20	-510.0	-16.0	20	-490.0	-16.0	20	-470.0	-16.0	20	-450.0	-16.0	20
-430.0	-16.0	20	-410.0	-16.0	20	-390.0	-16.0	20	-370.0	-16.0	20	-350.0	-16.0	20
-330.0	-16.0	20	-310.0	-16.0	20	-290.0	-16.0	20	-270.0	-16.0	20	-250.0	-16.0	20
-230.0	-16.0	20	-210.0	-16.0	20	-190.0	-16.0	20	-170.0	-16.0	20	-150.0	-16.0	20
-130.0	-16.0	20	-110.0	-16.0	20	-730.0	16.0	20	-710.0	16.0	20	-690.0	16.0	20
-670.0	16.0	20	-650.0	16.0	20	-630.0	16.0	20	-610.0	16.0	20	-590.0	16.0	20
-570.0	16.0	20	-550.0	16.0	20	-530.0	16.0	20	-510.0	16.0	20	-490.0	16.0	20
-470.0	16.0	20	-450.0	16.0	20	-430.0	16.0	20	-410.0	16.0	20	-390.0	16.0	20
-370.0	16.0	20	-350.0	16.0	20	-330.0	16.0	20	-310.0	16.0	20	-290.0	16.0	20
-270.0	16.0	20	-250.0	16.0	20	-230.0	16.0	20	-210.0	16.0	20	-190.0	16.0	20
-170.0	16.0	20	-150.0	16.0	20	-130.0	16.0	20	-110.0	16.0	20	-100.0	-16.0	20
-100.0	16.0	20	-122.1	-16.0	20	-122.1	16.0	20	-148.7	-16.0	20	-148.7	16.0	20
-713.4	-16.0	20	-713.4	16.0	20	-681.9	-16.0	20	-681.9	16.0	20	-175.2	-16.0	20
-175.2	16.0	20	-112.5	-16.0	20	-112.5	16.0	20	-106.6	-16.0	20	-106.6	16.0	20
-722.5	-16.0	20	-722.5	16.0	20									

```
Sezione a quota 433
Coordinate dei vertici
     X        Y
 -750.0     22.5
 -750.0    216.9
 -700.0    216.9
 -700.0     22.5
 -100.0     22.5
 -100.0    -22.5
 -750.0    -22.5
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-730.0	-16.0	20	-710.0	-16.0	20	-690.0	-16.0	20	-670.0	-16.0	20	-650.0	-16.0	20
-630.0	-16.0	20	-610.0	-16.0	20	-590.0	-16.0	20	-570.0	-16.0	20	-550.0	-16.0	20
-530.0	-16.0	20	-510.0	-16.0	20	-490.0	-16.0	20	-470.0	-16.0	20	-450.0	-16.0	20
-430.0	-16.0	20	-410.0	-16.0	20	-390.0	-16.0	20	-370.0	-16.0	20	-350.0	-16.0	20
-330.0	-16.0	20	-310.0	-16.0	20	-290.0	-16.0	20	-270.0	-16.0	20	-250.0	-16.0	20
-230.0	-16.0	20	-210.0	-16.0	20	-190.0	-16.0	20	-170.0	-16.0	20	-150.0	-16.0	20
-130.0	-16.0	20	-110.0	-16.0	20	-730.0	16.0	20	-710.0	16.0	20	-690.0	16.0	20
-670.0	16.0	20	-650.0	16.0	20	-630.0	16.0	20	-610.0	16.0	20	-590.0	16.0	20
-570.0	16.0	20	-550.0	16.0	20	-530.0	16.0	20	-510.0	16.0	20	-490.0	16.0	20
-470.0	16.0	20	-450.0	16.0	20	-430.0	16.0	20	-410.0	16.0	20	-390.0	16.0	20
-370.0	16.0	20	-350.0	16.0	20	-330.0	16.0	20	-310.0	16.0	20	-290.0	16.0	20
-270.0	16.0	20	-250.0	16.0	20	-230.0	16.0	20	-210.0	16.0	20	-190.0	16.0	20
-170.0	16.0	20	-150.0	16.0	20	-130.0	16.0	20	-110.0	16.0	20			

```
Sezione a quota 594
Coordinate dei vertici
     X        Y
 -750.0     22.5
 -750.0    176.5
 -700.0    176.5
 -700.0     22.5
 -100.0     22.5
```

```
-100.0   -22.5
-750.0   -22.5
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-730.0	-16.0	20	-710.0	-16.0	20	-690.0	-16.0	20	-670.0	-16.0	20	-650.0	-16.0	20
-630.0	-16.0	20	-610.0	-16.0	20	-590.0	-16.0	20	-570.0	-16.0	20	-550.0	-16.0	20
-530.0	-16.0	20	-510.0	-16.0	20	-490.0	-16.0	20	-470.0	-16.0	20	-450.0	-16.0	20
-430.0	-16.0	20	-410.0	-16.0	20	-390.0	-16.0	20	-370.0	-16.0	20	-350.0	-16.0	20
-330.0	-16.0	20	-310.0	-16.0	20	-290.0	-16.0	20	-270.0	-16.0	20	-250.0	-16.0	20
-230.0	-16.0	20	-210.0	-16.0	20	-190.0	-16.0	20	-170.0	-16.0	20	-150.0	-16.0	20
-130.0	-16.0	20	-110.0	-16.0	20	-730.0	16.0	20	-710.0	16.0	20	-690.0	16.0	20
-670.0	16.0	20	-650.0	16.0	20	-630.0	16.0	20	-610.0	16.0	20	-590.0	16.0	20
-570.0	16.0	20	-550.0	16.0	20	-530.0	16.0	20	-510.0	16.0	20	-490.0	16.0	20
-470.0	16.0	20	-450.0	16.0	20	-430.0	16.0	20	-410.0	16.0	20	-390.0	16.0	20
-370.0	16.0	20	-350.0	16.0	20	-330.0	16.0	20	-310.0	16.0	20	-290.0	16.0	20
-270.0	16.0	20	-250.0	16.0	20	-230.0	16.0	20	-210.0	16.0	20	-190.0	16.0	20
-170.0	16.0	20	-150.0	16.0	20	-130.0	16.0	20	-110.0	16.0	20			

Sezione a quota 596
Coordinate dei vertici

```
   X       Y
-750.0    22.5
-750.0   176.0
-700.0   176.0
-700.0    22.5
-100.0    22.5
-100.0   -22.5
-750.0   -22.5
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-730.0	-16.0	20	-710.0	-16.0	20	-690.0	-16.0	20	-670.0	-16.0	20	-650.0	-16.0	20
-630.0	-16.0	20	-610.0	-16.0	20	-590.0	-16.0	20	-570.0	-16.0	20	-550.0	-16.0	20
-530.0	-16.0	20	-510.0	-16.0	20	-490.0	-16.0	20	-470.0	-16.0	20	-450.0	-16.0	20
-430.0	-16.0	20	-410.0	-16.0	20	-390.0	-16.0	20	-370.0	-16.0	20	-350.0	-16.0	20
-330.0	-16.0	20	-310.0	-16.0	20	-290.0	-16.0	20	-270.0	-16.0	20	-250.0	-16.0	20
-230.0	-16.0	20	-210.0	-16.0	20	-190.0	-16.0	20	-170.0	-16.0	20	-150.0	-16.0	20
-130.0	-16.0	20	-110.0	-16.0	20	-730.0	16.0	20	-710.0	16.0	20	-690.0	16.0	20
-670.0	16.0	20	-650.0	16.0	20	-630.0	16.0	20	-610.0	16.0	20	-590.0	16.0	20
-570.0	16.0	20	-550.0	16.0	20	-530.0	16.0	20	-510.0	16.0	20	-490.0	16.0	20
-470.0	16.0	20	-450.0	16.0	20	-430.0	16.0	20	-410.0	16.0	20	-390.0	16.0	20
-370.0	16.0	20	-350.0	16.0	20	-330.0	16.0	20	-310.0	16.0	20	-290.0	16.0	20
-270.0	16.0	20	-250.0	16.0	20	-230.0	16.0	20	-210.0	16.0	20	-190.0	16.0	20
-170.0	16.0	20	-150.0	16.0	20	-130.0	16.0	20	-110.0	16.0	20			

Sezione a quota 613
Coordinate dei vertici

```
   X       Y
-750.0    22.5
-750.0   171.9
-700.0   171.9
-700.0    22.5
-100.0    22.5
-100.0   -22.5
-750.0   -22.5
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-730.0	-16.0	20	-710.0	-16.0	20	-690.0	-16.0	20	-670.0	-16.0	20	-650.0	-16.0	20
-630.0	-16.0	20	-610.0	-16.0	20	-590.0	-16.0	20	-570.0	-16.0	20	-550.0	-16.0	20
-530.0	-16.0	20	-510.0	-16.0	20	-490.0	-16.0	20	-470.0	-16.0	20	-450.0	-16.0	20
-430.0	-16.0	20	-410.0	-16.0	20	-390.0	-16.0	20	-370.0	-16.0	20	-350.0	-16.0	20
-330.0	-16.0	20	-310.0	-16.0	20	-290.0	-16.0	20	-270.0	-16.0	20	-250.0	-16.0	20
-230.0	-16.0	20	-210.0	-16.0	20	-190.0	-16.0	20	-170.0	-16.0	20	-150.0	-16.0	20
-130.0	-16.0	20	-110.0	-16.0	20	-730.0	16.0	20	-710.0	16.0	20	-690.0	16.0	20
-670.0	16.0	20	-650.0	16.0	20	-630.0	16.0	20	-610.0	16.0	20	-590.0	16.0	20
-570.0	16.0	20	-550.0	16.0	20	-530.0	16.0	20	-510.0	16.0	20	-490.0	16.0	20
-470.0	16.0	20	-450.0	16.0	20	-430.0	16.0	20	-410.0	16.0	20	-390.0	16.0	20
-370.0	16.0	20	-350.0	16.0	20	-330.0	16.0	20	-310.0	16.0	20	-290.0	16.0	20
-270.0	16.0	20	-250.0	16.0	20	-230.0	16.0	20	-210.0	16.0	20	-190.0	16.0	20
-170.0	16.0	20	-150.0	16.0	20	-130.0	16.0	20	-110.0	16.0	20			

Sezione a quota 629
Coordinate dei vertici

```
   X       Y
-750.0    22.5
-750.0   167.8
-700.0   167.8
-700.0    22.5
-100.0    22.5
-100.0   -22.5
-750.0   -22.5
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-730.0	-16.0	20	-710.0	-16.0	20	-690.0	-16.0	20	-670.0	-16.0	20	-650.0	-16.0	20
-630.0	-16.0	20	-610.0	-16.0	20	-590.0	-16.0	20	-570.0	-16.0	20	-550.0	-16.0	20
-530.0	-16.0	20	-510.0	-16.0	20	-490.0	-16.0	20	-470.0	-16.0	20	-450.0	-16.0	20
-430.0	-16.0	20	-410.0	-16.0	20	-390.0	-16.0	20	-370.0	-16.0	20	-350.0	-16.0	20
-330.0	-16.0	20	-310.0	-16.0	20	-290.0	-16.0	20	-270.0	-16.0	20	-250.0	-16.0	20
-230.0	-16.0	20	-210.0	-16.0	20	-190.0	-16.0	20	-170.0	-16.0	20	-150.0	-16.0	20
-130.0	-16.0	20	-110.0	-16.0	20	-730.0	16.0	20	-710.0	16.0	20	-690.0	16.0	20
-670.0	16.0	20	-650.0	16.0	20	-630.0	16.0	20	-610.0	16.0	20	-590.0	16.0	20

-570.0	16.0	20	-550.0	16.0	20	-530.0	16.0	20	-510.0	16.0	20	-490.0	16.0	20
-470.0	16.0	20	-450.0	16.0	20	-430.0	16.0	20	-410.0	16.0	20	-390.0	16.0	20
-370.0	16.0	20	-350.0	16.0	20	-330.0	16.0	20	-310.0	16.0	20	-290.0	16.0	20
-270.0	16.0	20	-250.0	16.0	20	-230.0	16.0	20	-210.0	16.0	20	-190.0	16.0	20
-170.0	16.0	20	-150.0	16.0	20	-130.0	16.0	20	-110.0	16.0	20			

Sezione a quota 631
Coordinate dei vertici

X	Y
-750.0	22.5
-750.0	167.3
-700.0	167.3
-700.0	22.5
-100.0	22.5
-100.0	-22.5
-750.0	-22.5

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-730.0	-16.0	20	-710.0	-16.0	20	-690.0	-16.0	20	-670.0	-16.0	20	-650.0	-16.0	20
-630.0	-16.0	20	-610.0	-16.0	20	-590.0	-16.0	20	-570.0	-16.0	20	-550.0	-16.0	20
-530.0	-16.0	20	-510.0	-16.0	20	-490.0	-16.0	20	-470.0	-16.0	20	-450.0	-16.0	20
-430.0	-16.0	20	-410.0	-16.0	20	-390.0	-16.0	20	-370.0	-16.0	20	-350.0	-16.0	20
-330.0	-16.0	20	-310.0	-16.0	20	-290.0	-16.0	20	-270.0	-16.0	20	-250.0	-16.0	20
-230.0	-16.0	20	-210.0	-16.0	20	-190.0	-16.0	20	-170.0	-16.0	20	-150.0	-16.0	20
-130.0	-16.0	20	-110.0	-16.0	20	-730.0	16.0	20	-710.0	16.0	20	-690.0	16.0	20
-670.0	16.0	20	-650.0	16.0	20	-630.0	16.0	20	-610.0	16.0	20	-590.0	16.0	20
-570.0	16.0	20	-550.0	16.0	20	-530.0	16.0	20	-510.0	16.0	20	-490.0	16.0	20
-470.0	16.0	20	-450.0	16.0	20	-430.0	16.0	20	-410.0	16.0	20	-390.0	16.0	20
-370.0	16.0	20	-350.0	16.0	20	-330.0	16.0	20	-310.0	16.0	20	-290.0	16.0	20
-270.0	16.0	20	-250.0	16.0	20	-230.0	16.0	20	-210.0	16.0	20	-190.0	16.0	20
-170.0	16.0	20	-150.0	16.0	20	-130.0	16.0	20	-110.0	16.0	20			

Sezione a quota 679
Coordinate dei vertici

X	Y
-750.0	22.5
-750.0	155.4
-700.0	155.4
-700.0	22.5
-100.0	22.5
-100.0	-22.5
-750.0	-22.5

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-730.0	-16.0	20	-710.0	-16.0	20	-690.0	-16.0	20	-670.0	-16.0	20	-650.0	-16.0	20
-630.0	-16.0	20	-610.0	-16.0	20	-590.0	-16.0	20	-570.0	-16.0	20	-550.0	-16.0	20
-530.0	-16.0	20	-510.0	-16.0	20	-490.0	-16.0	20	-470.0	-16.0	20	-450.0	-16.0	20
-430.0	-16.0	20	-410.0	-16.0	20	-390.0	-16.0	20	-370.0	-16.0	20	-350.0	-16.0	20
-330.0	-16.0	20	-310.0	-16.0	20	-290.0	-16.0	20	-270.0	-16.0	20	-250.0	-16.0	20
-230.0	-16.0	20	-210.0	-16.0	20	-190.0	-16.0	20	-170.0	-16.0	20	-150.0	-16.0	20
-130.0	-16.0	20	-110.0	-16.0	20	-730.0	16.0	20	-710.0	16.0	20	-690.0	16.0	20
-670.0	16.0	20	-650.0	16.0	20	-630.0	16.0	20	-610.0	16.0	20	-590.0	16.0	20
-570.0	16.0	20	-550.0	16.0	20	-530.0	16.0	20	-510.0	16.0	20	-490.0	16.0	20
-470.0	16.0	20	-450.0	16.0	20	-430.0	16.0	20	-410.0	16.0	20	-390.0	16.0	20
-370.0	16.0	20	-350.0	16.0	20	-330.0	16.0	20	-310.0	16.0	20	-290.0	16.0	20
-270.0	16.0	20	-250.0	16.0	20	-230.0	16.0	20	-210.0	16.0	20	-190.0	16.0	20
-170.0	16.0	20	-150.0	16.0	20	-130.0	16.0	20	-110.0	16.0	20			

Sezione a quota 726
Coordinate dei vertici

X	Y
-750.0	22.5
-750.0	143.5
-700.0	143.5
-700.0	22.5
-100.0	22.5
-100.0	-22.5
-750.0	-22.5

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-730.0	-16.0	20	-710.0	-16.0	20	-690.0	-16.0	20	-670.0	-16.0	20	-650.0	-16.0	20
-630.0	-16.0	20	-610.0	-16.0	20	-590.0	-16.0	20	-570.0	-16.0	20	-550.0	-16.0	20
-530.0	-16.0	20	-510.0	-16.0	20	-490.0	-16.0	20	-470.0	-16.0	20	-450.0	-16.0	20
-430.0	-16.0	20	-410.0	-16.0	20	-390.0	-16.0	20	-370.0	-16.0	20	-350.0	-16.0	20
-330.0	-16.0	20	-310.0	-16.0	20	-290.0	-16.0	20	-270.0	-16.0	20	-250.0	-16.0	20
-230.0	-16.0	20	-210.0	-16.0	20	-190.0	-16.0	20	-170.0	-16.0	20	-150.0	-16.0	20
-130.0	-16.0	20	-110.0	-16.0	20	-730.0	16.0	20	-710.0	16.0	20	-690.0	16.0	20
-670.0	16.0	20	-650.0	16.0	20	-630.0	16.0	20	-610.0	16.0	20	-590.0	16.0	20
-570.0	16.0	20	-550.0	16.0	20	-530.0	16.0	20	-510.0	16.0	20	-490.0	16.0	20
-470.0	16.0	20	-450.0	16.0	20	-430.0	16.0	20	-410.0	16.0	20	-390.0	16.0	20
-370.0	16.0	20	-350.0	16.0	20	-330.0	16.0	20	-310.0	16.0	20	-290.0	16.0	20
-270.0	16.0	20	-250.0	16.0	20	-230.0	16.0	20	-210.0	16.0	20	-190.0	16.0	20
-170.0	16.0	20	-150.0	16.0	20	-130.0	16.0	20	-110.0	16.0	20			

Sezione a quota 728
Coordinate dei vertici

X	Y
-750.0	22.5
-750.0	143.0
-700.0	143.0
-700.0	22.5

```
 -100.0    22.5
 -100.0   -22.5
 -750.0   -22.5
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-730.0	-16.0	20	-710.0	-16.0	20	-690.0	-16.0	20	-670.0	-16.0	20	-650.0	-16.0	20
-630.0	-16.0	20	-610.0	-16.0	20	-590.0	-16.0	20	-570.0	-16.0	20	-550.0	-16.0	20
-530.0	-16.0	20	-510.0	-16.0	20	-490.0	-16.0	20	-470.0	-16.0	20	-450.0	-16.0	20
-430.0	-16.0	20	-410.0	-16.0	20	-390.0	-16.0	20	-370.0	-16.0	20	-350.0	-16.0	20
-330.0	-16.0	20	-310.0	-16.0	20	-290.0	-16.0	20	-270.0	-16.0	20	-250.0	-16.0	20
-230.0	-16.0	20	-210.0	-16.0	20	-190.0	-16.0	20	-170.0	-16.0	20	-150.0	-16.0	20
-130.0	-16.0	20	-110.0	-16.0	20	-730.0	16.0	20	-710.0	16.0	20	-690.0	16.0	20
-670.0	16.0	20	-650.0	16.0	20	-630.0	16.0	20	-610.0	16.0	20	-590.0	16.0	20
-570.0	16.0	20	-550.0	16.0	20	-530.0	16.0	20	-510.0	16.0	20	-490.0	16.0	20
-470.0	16.0	20	-450.0	16.0	20	-430.0	16.0	20	-410.0	16.0	20	-390.0	16.0	20
-370.0	16.0	20	-350.0	16.0	20	-330.0	16.0	20	-310.0	16.0	20	-290.0	16.0	20
-270.0	16.0	20	-250.0	16.0	20	-230.0	16.0	20	-210.0	16.0	20	-190.0	16.0	20
-170.0	16.0	20	-150.0	16.0	20	-130.0	16.0	20	-110.0	16.0	20			

Sezione a quota 729
Coordinate dei vertici

```
     X       Y
 -750.0    22.5
 -750.0   142.9
 -700.0   142.9
 -700.0    22.5
 -100.0    22.5
 -100.0   -22.5
 -750.0   -22.5
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-730.0	-16.0	20	-710.0	-16.0	20	-690.0	-16.0	20	-670.0	-16.0	20	-650.0	-16.0	20
-630.0	-16.0	20	-610.0	-16.0	20	-590.0	-16.0	20	-570.0	-16.0	20	-550.0	-16.0	20
-530.0	-16.0	20	-510.0	-16.0	20	-490.0	-16.0	20	-470.0	-16.0	20	-450.0	-16.0	20
-430.0	-16.0	20	-410.0	-16.0	20	-390.0	-16.0	20	-370.0	-16.0	20	-350.0	-16.0	20
-330.0	-16.0	20	-310.0	-16.0	20	-290.0	-16.0	20	-270.0	-16.0	20	-250.0	-16.0	20
-230.0	-16.0	20	-210.0	-16.0	20	-190.0	-16.0	20	-170.0	-16.0	20	-150.0	-16.0	20
-130.0	-16.0	20	-110.0	-16.0	20	-730.0	16.0	20	-710.0	16.0	20	-690.0	16.0	20
-670.0	16.0	20	-650.0	16.0	20	-630.0	16.0	20	-610.0	16.0	20	-590.0	16.0	20
-570.0	16.0	20	-550.0	16.0	20	-530.0	16.0	20	-510.0	16.0	20	-490.0	16.0	20
-470.0	16.0	20	-450.0	16.0	20	-430.0	16.0	20	-410.0	16.0	20	-390.0	16.0	20
-370.0	16.0	20	-350.0	16.0	20	-330.0	16.0	20	-310.0	16.0	20	-290.0	16.0	20
-270.0	16.0	20	-250.0	16.0	20	-230.0	16.0	20	-210.0	16.0	20	-190.0	16.0	20
-170.0	16.0	20	-150.0	16.0	20	-130.0	16.0	20	-110.0	16.0	20			

Sezione a quota 729
Coordinate dei vertici

```
     X       Y
 -750.0    22.5
 -750.0   142.8
 -700.0   142.8
 -700.0    22.5
 -100.0    22.5
 -100.0   -22.5
 -750.0   -22.5
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-730.0	-16.0	20	-710.0	-16.0	20	-690.0	-16.0	20	-670.0	-16.0	20	-650.0	-16.0	20
-630.0	-16.0	20	-610.0	-16.0	20	-590.0	-16.0	20	-570.0	-16.0	20	-550.0	-16.0	20
-530.0	-16.0	20	-510.0	-16.0	20	-490.0	-16.0	20	-470.0	-16.0	20	-450.0	-16.0	20
-430.0	-16.0	20	-410.0	-16.0	20	-390.0	-16.0	20	-370.0	-16.0	20	-350.0	-16.0	20
-330.0	-16.0	20	-310.0	-16.0	20	-290.0	-16.0	20	-270.0	-16.0	20	-250.0	-16.0	20
-230.0	-16.0	20	-210.0	-16.0	20	-190.0	-16.0	20	-170.0	-16.0	20	-150.0	-16.0	20
-130.0	-16.0	20	-110.0	-16.0	20	-730.0	16.0	20	-710.0	16.0	20	-690.0	16.0	20
-670.0	16.0	20	-650.0	16.0	20	-630.0	16.0	20	-610.0	16.0	20	-590.0	16.0	20
-570.0	16.0	20	-550.0	16.0	20	-530.0	16.0	20	-510.0	16.0	20	-490.0	16.0	20
-470.0	16.0	20	-450.0	16.0	20	-430.0	16.0	20	-410.0	16.0	20	-390.0	16.0	20
-370.0	16.0	20	-350.0	16.0	20	-330.0	16.0	20	-310.0	16.0	20	-290.0	16.0	20
-270.0	16.0	20	-250.0	16.0	20	-230.0	16.0	20	-210.0	16.0	20	-190.0	16.0	20
-170.0	16.0	20	-150.0	16.0	20	-130.0	16.0	20	-110.0	16.0	20			

Sezione a quota 731
Coordinate dei vertici

```
     X       Y
 -750.0    22.5
 -750.0   142.3
 -700.0   142.3
 -700.0    22.5
 -100.0    22.5
 -100.0   -22.5
 -750.0   -22.5
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-730.0	-16.0	20	-710.0	-16.0	20	-690.0	-16.0	20	-670.0	-16.0	20	-650.0	-16.0	20
-630.0	-16.0	20	-610.0	-16.0	20	-590.0	-16.0	20	-570.0	-16.0	20	-550.0	-16.0	20
-530.0	-16.0	20	-510.0	-16.0	20	-490.0	-16.0	20	-470.0	-16.0	20	-450.0	-16.0	20
-430.0	-16.0	20	-410.0	-16.0	20	-390.0	-16.0	20	-370.0	-16.0	20	-350.0	-16.0	20
-330.0	-16.0	20	-310.0	-16.0	20	-290.0	-16.0	20	-270.0	-16.0	20	-250.0	-16.0	20
-230.0	-16.0	20	-210.0	-16.0	20	-190.0	-16.0	20	-170.0	-16.0	20	-150.0	-16.0	20
-130.0	-16.0	20	-110.0	-16.0	20	-730.0	16.0	20	-710.0	16.0	20	-690.0	16.0	20

-670.0	16.0	20	-650.0	16.0	20	-630.0	16.0	20	-610.0	16.0	20	-590.0	16.0	20
-570.0	16.0	20	-550.0	16.0	20	-530.0	16.0	20	-510.0	16.0	20	-490.0	16.0	20
-470.0	16.0	20	-450.0	16.0	20	-430.0	16.0	20	-410.0	16.0	20	-390.0	16.0	20
-370.0	16.0	20	-350.0	16.0	20	-330.0	16.0	20	-310.0	16.0	20	-290.0	16.0	20
-270.0	16.0	20	-250.0	16.0	20	-230.0	16.0	20	-210.0	16.0	20	-190.0	16.0	20
-170.0	16.0	20	-150.0	16.0	20	-130.0	16.0	20	-110.0	16.0	20			

Sezione a quota 951
Coordinate dei vertici

X	Y
-750.0	22.5
-750.0	87.3
-700.0	87.3
-700.0	22.5
-100.0	22.5
-100.0	-22.5
-750.0	-22.5

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-730.0	-16.0	20	-710.0	-16.0	20	-690.0	-16.0	20	-670.0	-16.0	20	-650.0	-16.0	20
-630.0	-16.0	20	-610.0	-16.0	20	-590.0	-16.0	20	-570.0	-16.0	20	-550.0	-16.0	20
-530.0	-16.0	20	-510.0	-16.0	20	-490.0	-16.0	20	-470.0	-16.0	20	-450.0	-16.0	20
-430.0	-16.0	20	-410.0	-16.0	20	-390.0	-16.0	20	-370.0	-16.0	20	-350.0	-16.0	20
-330.0	-16.0	20	-310.0	-16.0	20	-290.0	-16.0	20	-270.0	-16.0	20	-250.0	-16.0	20
-230.0	-16.0	20	-210.0	-16.0	20	-190.0	-16.0	20	-170.0	-16.0	20	-150.0	-16.0	20
-130.0	-16.0	20	-110.0	-16.0	20	-730.0	16.0	20	-710.0	16.0	20	-690.0	16.0	20
-670.0	16.0	20	-650.0	16.0	20	-630.0	16.0	20	-610.0	16.0	20	-590.0	16.0	20
-570.0	16.0	20	-550.0	16.0	20	-530.0	16.0	20	-510.0	16.0	20	-490.0	16.0	20
-470.0	16.0	20	-450.0	16.0	20	-430.0	16.0	20	-410.0	16.0	20	-390.0	16.0	20
-370.0	16.0	20	-350.0	16.0	20	-330.0	16.0	20	-310.0	16.0	20	-290.0	16.0	20
-270.0	16.0	20	-250.0	16.0	20	-230.0	16.0	20	-210.0	16.0	20	-190.0	16.0	20
-170.0	16.0	20	-150.0	16.0	20	-130.0	16.0	20	-110.0	16.0	20			

Sezione a quota 1171
Coordinate dei vertici

X	Y
-750.0	-22.5
-750.0	22.5
-100.0	22.5
-100.0	-22.5

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-730.0	-16.0	20	-710.0	-16.0	20	-690.0	-16.0	20	-670.0	-16.0	20	-650.0	-16.0	20
-630.0	-16.0	20	-610.0	-16.0	20	-590.0	-16.0	20	-570.0	-16.0	20	-550.0	-16.0	20
-530.0	-16.0	20	-510.0	-16.0	20	-490.0	-16.0	20	-470.0	-16.0	20	-450.0	-16.0	20
-430.0	-16.0	20	-410.0	-16.0	20	-390.0	-16.0	20	-370.0	-16.0	20	-350.0	-16.0	20
-330.0	-16.0	20	-310.0	-16.0	20	-290.0	-16.0	20	-270.0	-16.0	20	-250.0	-16.0	20
-230.0	-16.0	20	-210.0	-16.0	20	-190.0	-16.0	20	-170.0	-16.0	20	-150.0	-16.0	20
-130.0	-16.0	20	-110.0	-16.0	20	-730.0	16.0	20	-710.0	16.0	20	-690.0	16.0	20
-670.0	16.0	20	-650.0	16.0	20	-630.0	16.0	20	-610.0	16.0	20	-590.0	16.0	20
-570.0	16.0	20	-550.0	16.0	20	-530.0	16.0	20	-510.0	16.0	20	-490.0	16.0	20
-470.0	16.0	20	-450.0	16.0	20	-430.0	16.0	20	-410.0	16.0	20	-390.0	16.0	20
-370.0	16.0	20	-350.0	16.0	20	-330.0	16.0	20	-310.0	16.0	20	-290.0	16.0	20
-270.0	16.0	20	-250.0	16.0	20	-230.0	16.0	20	-210.0	16.0	20	-190.0	16.0	20
-170.0	16.0	20	-150.0	16.0	20	-130.0	16.0	20	-110.0	16.0	20			

Sezione a quota 1173
Coordinate dei vertici

X	Y
-750.0	-22.5
-750.0	22.5
-100.0	22.5
-100.0	-22.5

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-730.0	-16.0	20	-710.0	-16.0	20	-690.0	-16.0	20	-670.0	-16.0	20	-650.0	-16.0	20
-630.0	-16.0	20	-610.0	-16.0	20	-590.0	-16.0	20	-570.0	-16.0	20	-550.0	-16.0	20
-530.0	-16.0	20	-510.0	-16.0	20	-490.0	-16.0	20	-470.0	-16.0	20	-450.0	-16.0	20
-430.0	-16.0	20	-410.0	-16.0	20	-390.0	-16.0	20	-370.0	-16.0	20	-350.0	-16.0	20
-330.0	-16.0	20	-310.0	-16.0	20	-290.0	-16.0	20	-270.0	-16.0	20	-250.0	-16.0	20
-230.0	-16.0	20	-210.0	-16.0	20	-190.0	-16.0	20	-170.0	-16.0	20	-150.0	-16.0	20
-130.0	-16.0	20	-110.0	-16.0	20	-730.0	16.0	20	-710.0	16.0	20	-690.0	16.0	20
-670.0	16.0	20	-650.0	16.0	20	-630.0	16.0	20	-610.0	16.0	20	-590.0	16.0	20
-570.0	16.0	20	-550.0	16.0	20	-530.0	16.0	20	-510.0	16.0	20	-490.0	16.0	20
-470.0	16.0	20	-450.0	16.0	20	-430.0	16.0	20	-410.0	16.0	20	-390.0	16.0	20
-370.0	16.0	20	-350.0	16.0	20	-330.0	16.0	20	-310.0	16.0	20	-290.0	16.0	20
-270.0	16.0	20	-250.0	16.0	20	-230.0	16.0	20	-210.0	16.0	20	-190.0	16.0	20
-170.0	16.0	20	-150.0	16.0	20	-130.0	16.0	20	-110.0	16.0	20			

Sezione a quota 1236
Coordinate dei vertici

X	Y
-750.0	-22.5
-750.0	22.5
-100.0	22.5
-100.0	-22.5

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-730.0	-16.0	20	-710.0	-16.0	20	-690.0	-16.0	20	-670.0	-16.0	20	-650.0	-16.0	20
-630.0	-16.0	20	-610.0	-16.0	20	-590.0	-16.0	20	-570.0	-16.0	20	-550.0	-16.0	20

```
-530.0   -16.0   20  -510.0   -16.0   20  -490.0   -16.0   20  -470.0   -16.0   20  -450.0   -16.0   20
-430.0   -16.0   20  -410.0   -16.0   20  -390.0   -16.0   20  -370.0   -16.0   20  -350.0   -16.0   20
-330.0   -16.0   20  -310.0   -16.0   20  -290.0   -16.0   20  -270.0   -16.0   20  -250.0   -16.0   20
-230.0   -16.0   20  -210.0   -16.0   20  -190.0   -16.0   20  -170.0   -16.0   20  -150.0   -16.0   20
-130.0   -16.0   20  -110.0   -16.0   20  -730.0    16.0   20  -710.0    16.0   20  -690.0    16.0   20
-670.0    16.0   20  -650.0    16.0   20  -630.0    16.0   20  -610.0    16.0   20  -590.0    16.0   20
-570.0    16.0   20  -550.0    16.0   20  -530.0    16.0   20  -510.0    16.0   20  -490.0    16.0   20
-470.0    16.0   20  -450.0    16.0   20  -430.0    16.0   20  -410.0    16.0   20  -390.0    16.0   20
-370.0    16.0   20  -350.0    16.0   20  -330.0    16.0   20  -310.0    16.0   20  -290.0    16.0   20
-270.0    16.0   20  -250.0    16.0   20  -230.0    16.0   20  -210.0    16.0   20  -190.0    16.0   20
-170.0    16.0   20  -150.0    16.0   20  -130.0    16.0   20  -110.0    16.0   20
```

Sezione a quota 1299
Coordinate dei vertici
```
     X        Y
-750.0   -22.5
-750.0    22.5
-100.0    22.5
-100.0   -22.5
```

Armature verticali
```
     X        Y    ø        X        Y    ø        X        Y    ø        X        Y    ø        X        Y    ø
-730.0   -16.0   20  -710.0   -16.0   20  -690.0   -16.0   20  -670.0   -16.0   20  -650.0   -16.0   20
-630.0   -16.0   20  -610.0   -16.0   20  -590.0   -16.0   20  -570.0   -16.0   20  -550.0   -16.0   20
-530.0   -16.0   20  -510.0   -16.0   20  -490.0   -16.0   20  -470.0   -16.0   20  -450.0   -16.0   20
-430.0   -16.0   20  -410.0   -16.0   20  -390.0   -16.0   20  -370.0   -16.0   20  -350.0   -16.0   20
-330.0   -16.0   20  -310.0   -16.0   20  -290.0   -16.0   20  -270.0   -16.0   20  -250.0   -16.0   20
-230.0   -16.0   20  -210.0   -16.0   20  -190.0   -16.0   20  -170.0   -16.0   20  -150.0   -16.0   20
-130.0   -16.0   20  -110.0   -16.0   20  -730.0    16.0   20  -710.0    16.0   20  -690.0    16.0   20
-670.0    16.0   20  -650.0    16.0   20  -630.0    16.0   20  -610.0    16.0   20  -590.0    16.0   20
-570.0    16.0   20  -550.0    16.0   20  -530.0    16.0   20  -510.0    16.0   20  -490.0    16.0   20
-470.0    16.0   20  -450.0    16.0   20  -430.0    16.0   20  -410.0    16.0   20  -390.0    16.0   20
-370.0    16.0   20  -350.0    16.0   20  -330.0    16.0   20  -310.0    16.0   20  -290.0    16.0   20
-270.0    16.0   20  -250.0    16.0   20  -230.0    16.0   20  -210.0    16.0   20  -190.0    16.0   20
-170.0    16.0   20  -150.0    16.0   20  -130.0    16.0   20  -110.0    16.0   20
```

Verifica eseguita con comportamento non dissipativo
Le condizioni sismiche sono state moltiplicate per i rispettivi fattori di struttura
```
 fcd fctd   Hcr q.Hcr   hw    Lw   n.p.    hs
 212   16   350   315  1335   650    10    158
```

Verifica a pressoflessione
```
quota       Mxd        Myd        Ned     Ngrav.     NReale    c.s.  comb
   -4   4778465  -10365620    -125418    -125418    -125418  5.5691  5 SLU
   -4   4963968  128303500      37192     -99175      37192  1.9143 14 SLV
   51   3961118  -10152930    -119346    -119346    -119346  7.0885  5 SLU
   51   3785031  117928600      41776     -94504      41776  2.2172 14 SLV
  105   2855040  -10491580    -115207    -115207    -115207 10.8662  5 SLU
  105   2750317  107174900      44053     -91321      44053  2.4448 14 SLV
  107   2825434  -10490110    -115207    -115207    -115207 11.0270  5 SLU
  107   2709624  106790600      44053     -91321      44053  2.4544 14 SLV
  185   1716554  -10177950    -111478    -111478    -111478 19.9395  6 SLU
  185   1143610   91970860      49621     -85629      49621  2.8355 14 SLV
  263    583398   -9938433    -104728    -104728    -104728 37.0289  6 SLU
  263   -384617   77502160      54432     -80437      54432  3.2615 14 SLV
  265    554298   -9936464    -104728    -104728    -104728 37.6559  6 SLU
  265   -424382   77129550      54432     -80437      54432  3.2741 14 SLV
  267    525208   -9934485    -104728    -104728    -104728 38.3053  6 SLU
  267   -464973   76883620      52741     -80437      52741  3.2983 14 SLV
  269    496072   -9932553    -104728    -104728    -104728 38.9673  6 SLU
  269   -502788   76514550      52693     -80437      52693  3.3115 14 SLV
  271    635756   -9156099    -107356    -107356    -107356 48.0705  6 SLU
  271   -321292   70265610      72114     -81186      72114  3.3649 14 SLV
  433    813234   -8734178     -93499     -93499     -93499 49.5386  6 SLU
  433   -312138   42320860      77846     -69808      77846  3.5446 14 SLV
  594   1209665   -7539406     -80179     -80179     -80179 54.0512  6 SLU
  594    383197   20712780      69111     -58796      69111  5.7191 14 SLV
  596   1217001   -7536758     -80179     -80179     -80179 53.9872  6 SLU
  596    399416   20385490      69111     -58796      69111  5.7670 14 SLV
  613   1278894   -7447152     -76436     -76436     -76436 54.6079  6 SLU
  613    536895   17598520      72025     -55917      72025  6.0682 14 SLV
  629   1339967   -7391366     -73729     -73729     -73729 54.0640  6 SLU
  629    654441   14784030      73201     -53835      73201  6.4919 14 SLV
  631   1347302   -7388718     -73729     -73729     -73729 53.9256  6 SLU
  631    670858   14454220      73201     -53835      73201  6.5528 14 SLV
  679   1657976   -6365573     -71075     -71075     -71075 53.3184  6 SLU
  679   1354296   12231830      66274     -51167      66274  7.4649 14 SLV
  726   1937869   -6505800     -62633     -62633     -62633 39.8037  7 SLU
  726   2378429     844781      87348     -48326      87348  6.5605 10 SLV
  728   1949126   -6532955     -62633     -62633     -62633 39.0424  7 SLU
  728   2409497     702422      87348     -48326      87348  6.5043 10 SLV
  729   1951940   -6539744     -62633     -62633     -62633 38.8554  7 SLU
  729   2417263     666832      87348     -48326      87348  6.4903 10 SLV
  729   1954754   -6546533     -62633     -62633     -62633 38.6699  7 SLU
  729   2425030     631242      87348     -48326      87348  6.4764 10 SLV
  731  -3112807   -4699957     -33145     -33145     -33145  5.4089  7 SLU
  731  -1126391   12081940      75284     -28775      75284  5.3088 14 SLV
  951   -704486    -351218     -29835     -29835     -29835 46.6489  7 SLU
  951  -1387985    9588681      28527     -23939      28527  6.7848 10 SLV
 1171   -180122     125613     -14558     -14558     -14558 231.9921 5 SLU
 1171  -1087145    -298611      10862     -11332      10862 11.2379 10 SLV
 1173   -161608     303262     -13008     -13008     -13008 246.2652 7 SLU
```

```
1173  -1070731  3732884      285    -9966      285  12.3104 10 SLV
1236    -71703   214872    -7294    -7294    -7294 496.0811  5 SLU
1236   -537071  4190555     2996    -5649     2996  20.4816  5 SLV
1299      -661  -213243    -1754    -1754    -1754 2429.2110 7 SLU
1299    -12726  7390462    12880    -1149    12880  20.6479  1 SLV
```

Verifica compressione del diagonale

quota	epsilon	VEd	Vrcd	comb
-4	1.00	4393	1262740	7 SLU
-4	1.00	193173	1238153	14 SLV
51	1.00	4393	1261526	7 SLU
51	1.00	194479	1238153	14 SLV
105	1.00	4339	1260698	7 SLU
105	1.00	192195	1238153	14 SLV
107	1.00	4339	1260698	7 SLU
107	1.00	192195	1238153	14 SLV
185	1.00	4289	1259218	7 SLU
185	1.00	189977	1238153	14 SLV
263	1.00	4235	1257868	7 SLU
263	1.00	186306	1238153	14 SLV
265	1.00	4235	1257868	7 SLU
265	1.00	186306	1238153	14 SLV
267	1.00	4215	1257868	7 SLU
267	1.00	185157	1238153	14 SLV
269	1.00	4205	1257868	7 SLU
269	1.00	185097	1238153	14 SLV
271	1.00	3168	1258355	7 SLU
271	1.00	186418	1238153	14 SLV
433	1.00	2781	1255668	7 SLU
433	1.00	176714	1238153	14 SLV
594	1.00	3070	1253155	7 SLU
594	1.00	163645	1238153	14 SLV
596	1.00	3070	1253155	7 SLU
596	1.00	163645	1238153	14 SLV
613	1.00	3070	1252406	7 SLU
613	1.00	164838	1238153	14 SLV
629	1.00	3070	1251865	7 SLU
629	1.00	164905	1238153	14 SLV
631	1.00	3070	1251865	7 SLU
631	1.00	164905	1238153	14 SLV
679	1.00	13606	1251418	7 SLU
679	1.00	161689	1238153	14 SLV
726	1.00	13578	1250679	7 SLU
726	1.00	160883	1238153	14 SLV
728	1.00	13578	1250679	7 SLU
728	1.00	160883	1238153	14 SLV
729	1.00	13578	1250679	7 SLU
729	1.00	160883	1238153	14 SLV
729	1.00	13578	1250679	7 SLU
729	1.00	160883	1238153	14 SLV
731	1.00	2936	1244782	7 SLU
731	1.00	127721	1238153	14 SLV
951	1.00	5738	1244119	7 SLU
951	1.00	106910	1238153	14 SLV
1171	1.00	6191	1241048	7 SLU
1171	1.00	93619	1238610	14 SLV
1173	1.00	6219	1240754	7 SLU
1173	1.00	87246	1240564	14 SLV
1236	1.00	6288	1239673	7 SLU
1236	1.00	86779	1239092	10 SLV
1299	1.00	6288	1238503	7 SLU
1299	1.00	86681	1238153	10 SLV

Verifica trazione del diagonale

quota	alfaS	At	roh	rov	MEd	NEd	VEd	VRsd	comb
-4	0.00	254.6	0.0061	0.0087	-6971868	-122937	4393	562009	7 SLU
-4	0.00	254.6	0.0061	0.0087	128303500	37192	193173	562009	14 SLV
51	0.00	254.6	0.0070	0.0087	-7041588	-116865	4393	639305	7 SLU
51	0.00	254.6	0.0070	0.0087	117928600	41776	194479	639305	14 SLV
105	0.00	254.6	0.0070	0.0087	-7658574	-112726	4339	639305	7 SLU
105	0.00	254.6	0.0070	0.0087	107174900	44053	192195	639305	14 SLV
107	0.00	254.6	0.0070	0.0087	-7667251	-112726	4339	639305	7 SLU
107	0.00	254.6	0.0070	0.0087	106790600	44053	192195	639305	14 SLV
185	0.00	254.6	0.0070	0.0087	-7791777	-105327	4289	639305	7 SLU
185	0.00	254.6	0.0070	0.0087	91970860	49621	189977	639305	14 SLV
263	0.00	254.6	0.0070	0.0087	-7962811	-98577	4235	639305	7 SLU
263	0.00	254.6	0.0070	0.0087	77502160	54432	186306	639305	14 SLV
265	0.00	254.6	0.0070	0.0087	-7971281	-98577	4235	639305	7 SLU
265	0.00	254.6	0.0070	0.0087	77129550	54432	186306	639305	14 SLV
267	0.00	254.6	0.0070	0.0087	-7979760	-98577	4215	639305	7 SLU
267	0.00	254.6	0.0070	0.0087	76883620	52741	185157	639305	14 SLV
269	0.00	254.6	0.0070	0.0087	-7988193	-98577	4205	639305	7 SLU
269	0.00	254.6	0.0070	0.0087	76514550	52693	185097	639305	14 SLV
271	0.00	254.6	0.0070	0.0087	-7281233	-101013	3168	639305	7 SLU
271	0.00	254.6	0.0070	0.0087	70265610	72114	186418	639305	14 SLV
433	0.00	201.1	0.0070	0.0069	-7548108	-87579	2781	639305	7 SLU
433	0.00	201.1	0.0070	0.0069	42320860	77846	176714	639305	14 SLV
594	0.00	201.1	0.0070	0.0069	-6881004	-75011	3070	639305	7 SLU
594	0.00	201.1	0.0070	0.0069	20712780	69111	163645	639305	14 SLV
596	0.00	201.1	0.0070	0.0069	-6887144	-75011	3070	639305	7 SLU
596	0.00	201.1	0.0070	0.0069	20385490	69111	163645	639305	14 SLV
613	0.00	201.1	0.0070	0.0069	-6870044	-71268	3070	639305	7 SLU
613	0.00	201.1	0.0070	0.0069	17598520	72025	164838	639305	14 SLV
629	0.00	201.1	0.0070	0.0069	-6886763	-68561	3070	639305	7 SLU

```
  629   0.00 201.1  0.0070  0.0069   14784030     73201     164905    639305 14 SLV
  631   0.00 201.1  0.0070  0.0069   -6892903    -68561       3070    639305  7 SLU
  631   0.00 201.1  0.0070  0.0069   14454220     73201     164905    639305 14 SLV
  679   0.00 201.1  0.0070  0.0069   -5895341    -66326      13606    639305  7 SLU
  679   0.00 201.1  0.0070  0.0069   12231830     66274     161689    639305 14 SLV
  726   0.00 201.1  0.0070  0.0069   -6505800    -62633      13578    639305  7 SLU
  726   0.00 201.1  0.0070  0.0069    4727668     69000     160883    639305 14 SLV
  728   0.00 201.1  0.0070  0.0069   -6532955    -62633      13578    639305  7 SLU
  728   0.00 201.1  0.0070  0.0069    4405902     69000     160883    639305 14 SLV
  729   0.00 201.1  0.0070  0.0069   -6539744    -62633      13578    639305  7 SLU
  729   0.00 201.1  0.0070  0.0069    4325460     69000     160883    639305 14 SLV
  729   0.00 201.1  0.0070  0.0069   -6546533    -62633      13578    639305  7 SLU
  729   0.00 201.1  0.0070  0.0069    4245019     69000     160883    639305 14 SLV
  731   0.00 201.1  0.0070  0.0069   -4699957    -33145       2936    639305  7 SLU
  731   0.00 201.1  0.0070  0.0069   12081940     75284     127721    639305 14 SLV
  951   0.00 201.1  0.0070  0.0069    -351218    -29835       5738    639305  7 SLU
  951   0.00 201.1  0.0070  0.0069    8268566     14462     106910    639305 14 SLV
 1171   0.00 201.1  0.0070  0.0069       2356    -14476       6191    639305  7 SLU
 1171   0.00 201.1  0.0070  0.0069   -4144786     -2286      93619    639305 14 SLV
 1173   0.00 201.1  0.0070  0.0069     303262    -13008       6219    639305 14 SLV
 1173   0.00 201.1  0.0070  0.0069    -621712    -12059      87246    639305 14 SLV
 1236   0.00 201.1  0.0070  0.0069     109789     -7604       6288    639305  7 SLU
 1236   0.00 201.1  0.0070  0.0069    1807590     -4696      86779    639305 10 SLV
 1299   0.00 201.1  0.0070  0.0069    -213243     -1754       6288    639305  7 SLU
 1299   0.00 201.1  0.0070  0.0069   -3217340       835      86681    639305 10 SLV
```

Parete lato vasche B

```
Parete fra le coordinate in pianta (-100;923) (-750;923)
da quota -35 a quota 1300
Valori in daN, cm
C35/45_1: rck 450
fyk 4500


Verifica di stato limite ultimo
 nod sez  B   H   Af+  Af-  c+   c-    c.s.     comb      N       M       Nu       Mu
 1245  o 120  45  18.8 18.8 6.5  6.5   1.076   14 SLV  111494 -449781   120002  -484105
       v  90  45  12.6 12.6 8.5  8.5   5.720   16 SLV    7804 -180487    44638 -1032320
 1277  o 120  45  18.8 18.8 6.5  6.5   1.011   14 SLV  114185 -563154   115488  -569580
       v 120  45  18.8 18.8 8.5  8.5   7.603    8 SLU   -1026 -374213    -7799 -2845042

Combinazione rara
 nod sez  B   H   Af+  Af-  c+   c-    sc   c      N        M      sf    c       N        M Wk(mm) Wlim  st Sm(mm)  c
 1245  o 120  45  18.8 18.8 6.5  6.5 -44.6 1 ra -4.46E03 -1.14E06 1632.9 1 ra -4.46E03 -1.14E06  0.00999.00 25.7   0.0 1 ra
       v  90  45  12.6 12.6 8.5  8.5  -8.6 1 ra -1.32E03 -1.38E05  280.0 1 ra -1.32E03 -1.38E05  0.00999.00  4.0   0.0 1 ra
 1277  o 120  45  18.8 18.8 6.5  6.5 -37.3 1 ra -4.49E03 -9.51E05 1343.7 1 ra -4.49E03 -9.51E05  0.00999.00 21.3   0.0 1 ra
       v 120  45  18.8 18.8 8.5  8.5 -12.3 1 ra -1.04E03 -2.77E05  422.0 1 ra -1.04E03 -2.77E05  0.00999.00  6.3   0.0 1 ra

Combinazione frequente
 nod sez  B   H   Af+  Af-  c+   c-    sc   c      N        M      sf    c       N        M Wk(mm) Wklim  st Sm(mm)   c
 1245  o 120  45  18.8 18.8 6.5  6.5 -44.6 1 fr -4.46E03 -1.14E06 1632.9 1 fr -4.46E03 -1.14E06  0.00  0.20 25.7   0.0 1 fr
       v  90  45  12.6 12.6 8.5  8.5  -8.6 1 fr -1.32E03 -1.38E05  280.0 1 fr -1.32E03 -1.38E05  0.00  0.20  4.0   0.0 1 fr
 1277  o 120  45  18.8 18.8 6.5  6.5 -37.3 1 fr -4.49E03 -9.51E05 1343.7 1 fr -4.49E03 -9.51E05  0.00  0.20 21.3   0.0 1 fr
       v 120  45  18.8 18.8 8.5  8.5 -12.3 1 fr -1.04E03 -2.77E05  422.0 1 fr -1.04E03 -2.77E05  0.00  0.20  6.3   0.0 1 fr

Combinazione quasi permanente
 nod sez  B   H   Af+  Af-  c+   c-    sc   c      N        M      sf    c       N        M Wk(mm) Wklim  st Sm(mm)   c
 1245  o 120  45  18.8 18.8 6.5  6.5 -41.3 4 q. -7.66E03 -1.05E06 1411.3 4 q. -7.66E03 -1.05E06  0.00  0.20 23.0   0.0 1 q.
       v  90  45  12.6 12.6 8.5  8.5  -7.4 4 q. -1.71E03 -1.19E05  219.7 4 q. -1.71E03 -1.19E05  0.00  0.20  3.4   0.0 1 q.
 1277  o 120  45  18.8 18.8 6.5  6.5 -34.2 4 q. -7.76E03 -8.69E05 1132.9 4 q. -7.76E03 -8.69E05  0.00  0.20 18.8   0.0 1 q.
       v 120  45  18.8 18.8 8.5  8.5 -10.9 4 q. -1.62E03 -2.46E05  356.9 4 q. -1.62E03 -2.46E05  0.00  0.20  5.5   0.0 1 q.

Verifica dei pannelli

Pannello : Pannello da Filo 53 a Filo 19

Sezione a quota -4
Coordinate dei vertici
    X        Y
 100.0   -22.5
 100.0    22.5
 750.0    22.5
 750.0   -22.5

Armature verticali
    X       Y    ø      X       Y    ø      X       Y    ø      X       Y    ø      X       Y    ø
 110.5   -16.0  20   130.5   -16.0  20   150.5   -16.0  20   170.5   -16.0  20   190.5   -16.0  20
 210.5   -16.0  20   230.5   -16.0  20   250.5   -16.0  20   270.5   -16.0  20   290.5   -16.0  20
 310.5   -16.0  20   330.5   -16.0  20   350.5   -16.0  20   370.5   -16.0  20   390.5   -16.0  20
 410.5   -16.0  20   430.5   -16.0  20   450.5   -16.0  20   470.5   -16.0  20   490.5   -16.0  20
 510.5   -16.0  20   530.5   -16.0  20   550.5   -16.0  20   570.5   -16.0  20   590.5   -16.0  20
 610.5   -16.0  20   630.5   -16.0  20   650.5   -16.0  20   670.5   -16.0  20   690.5   -16.0  20
 710.5   -16.0  20   730.5   -16.0  20   110.5    16.0  20   130.5    16.0  20   150.5    16.0  20
 170.5    16.0  20   190.5    16.0  20   210.5    16.0  20   230.5    16.0  20   250.5    16.0  20
 270.5    16.0  20   290.5    16.0  20   310.5    16.0  20   330.5    16.0  20   350.5    16.0  20
 370.5    16.0  20   390.5    16.0  20   410.5    16.0  20   430.5    16.0  20   450.5    16.0  20
 470.5    16.0  20   490.5    16.0  20   510.5    16.0  20   530.5    16.0  20   550.5    16.0  20
 570.5    16.0  20   590.5    16.0  20   610.5    16.0  20   630.5    16.0  20   650.5    16.0  20
 670.5    16.0  20   690.5    16.0  20   710.5    16.0  20   730.5    16.0  20   107.5   -16.0  20
 107.5    16.0  20   118.9   -16.0  20   118.9    16.0  20   133.2   -16.0  20   133.2    16.0  20
 148.5   -16.0  20   148.5    16.0  20   740.1   -16.0  20   740.1    16.0  20   727.7   -16.0  20
 727.7    16.0  20   713.3   -16.0  20   713.3    16.0  20   701.9   -16.0  20   701.9    16.0  20
 174.1   -16.0  20   174.1    16.0  20   127.2   -16.0  20   127.2    16.0  20
```

```
Sezione a quota 51
Coordinate dei vertici
    X        Y
  100.0    -22.5
  100.0     22.5
  750.0     22.5
  750.0    -22.5

Armature verticali
    X        Y      ø        X        Y      ø        X        Y      ø        X        Y      ø        X        Y      ø
  110.5    -16.0   20     130.5    -16.0   20     150.5    -16.0   20     170.5    -16.0   20     190.5    -16.0   20
  210.5    -16.0   20     230.5    -16.0   20     250.5    -16.0   20     270.5    -16.0   20     290.5    -16.0   20
  310.5    -16.0   20     330.5    -16.0   20     350.5    -16.0   20     370.5    -16.0   20     390.5    -16.0   20
  410.5    -16.0   20     430.5    -16.0   20     450.5    -16.0   20     470.5    -16.0   20     490.5    -16.0   20
  510.5    -16.0   20     530.5    -16.0   20     550.5    -16.0   20     570.5    -16.0   20     590.5    -16.0   20
  610.5    -16.0   20     630.5    -16.0   20     650.5    -16.0   20     670.5    -16.0   20     690.5    -16.0   20
  710.5    -16.0   20     730.5    -16.0   20     110.5     16.0   20     130.5     16.0   20     150.5     16.0   20
  170.5     16.0   20     190.5     16.0   20     210.5     16.0   20     230.5     16.0   20     250.5     16.0   20
  270.5     16.0   20     290.5     16.0   20     310.5     16.0   20     330.5     16.0   20     350.5     16.0   20
  370.5     16.0   20     390.5     16.0   20     410.5     16.0   20     430.5     16.0   20     450.5     16.0   20
  470.5     16.0   20     490.5     16.0   20     510.5     16.0   20     530.5     16.0   20     550.5     16.0   20
  570.5     16.0   20     590.5     16.0   20     610.5     16.0   20     630.5     16.0   20     650.5     16.0   20
  670.5     16.0   20     690.5     16.0   20     710.5     16.0   20     730.5     16.0   20     107.5    -16.0   20
  107.5     16.0   20     118.9    -16.0   20     118.9     16.0   20     133.2    -16.0   20     133.2     16.0   20
  148.5    -16.0   20     148.5     16.0   20     740.1    -16.0   20     740.1     16.0   20     727.7    -16.0   20
  727.7     16.0   20     713.3    -16.0   20     713.3     16.0   20     701.9    -16.0   20     701.9     16.0   20
  174.1    -16.0   20     174.1     16.0   20     127.2    -16.0   20     127.2     16.0   20

Sezione a quota 105
Coordinate dei vertici
    X        Y
  100.0    -22.5
  100.0     22.5
  750.0     22.5
  750.0    -22.5

Armature verticali
    X        Y      ø        X        Y      ø        X        Y      ø        X        Y      ø        X        Y      ø
  110.5    -16.0   20     130.5    -16.0   20     150.5    -16.0   20     170.5    -16.0   20     190.5    -16.0   20
  210.5    -16.0   20     230.5    -16.0   20     250.5    -16.0   20     270.5    -16.0   20     290.5    -16.0   20
  310.5    -16.0   20     330.5    -16.0   20     350.5    -16.0   20     370.5    -16.0   20     390.5    -16.0   20
  410.5    -16.0   20     430.5    -16.0   20     450.5    -16.0   20     470.5    -16.0   20     490.5    -16.0   20
  510.5    -16.0   20     530.5    -16.0   20     550.5    -16.0   20     570.5    -16.0   20     590.5    -16.0   20
  610.5    -16.0   20     630.5    -16.0   20     650.5    -16.0   20     670.5    -16.0   20     690.5    -16.0   20
  710.5    -16.0   20     730.5    -16.0   20     110.5     16.0   20     130.5     16.0   20     150.5     16.0   20
  170.5     16.0   20     190.5     16.0   20     210.5     16.0   20     230.5     16.0   20     250.5     16.0   20
  270.5     16.0   20     290.5     16.0   20     310.5     16.0   20     330.5     16.0   20     350.5     16.0   20
  370.5     16.0   20     390.5     16.0   20     410.5     16.0   20     430.5     16.0   20     450.5     16.0   20
  470.5     16.0   20     490.5     16.0   20     510.5     16.0   20     530.5     16.0   20     550.5     16.0   20
  570.5     16.0   20     590.5     16.0   20     610.5     16.0   20     630.5     16.0   20     650.5     16.0   20
  670.5     16.0   20     690.5     16.0   20     710.5     16.0   20     730.5     16.0   20     107.5    -16.0   20
  107.5     16.0   20     118.9    -16.0   20     118.9     16.0   20     133.2    -16.0   20     133.2     16.0   20
  148.5    -16.0   20     148.5     16.0   20     740.1    -16.0   20     740.1     16.0   20     727.7    -16.0   20
  727.7     16.0   20     713.3    -16.0   20     713.3     16.0   20     701.9    -16.0   20     701.9     16.0   20
  174.1    -16.0   20     174.1     16.0   20     127.2    -16.0   20     127.2     16.0   20

Sezione a quota 107
Coordinate dei vertici
    X        Y
  100.0    -22.5
  100.0     22.5
  750.0     22.5
  750.0    -22.5

Armature verticali
    X        Y      ø        X        Y      ø        X        Y      ø        X        Y      ø        X        Y      ø
  110.5    -16.0   20     130.5    -16.0   20     150.5    -16.0   20     170.5    -16.0   20     190.5    -16.0   20
  210.5    -16.0   20     230.5    -16.0   20     250.5    -16.0   20     270.5    -16.0   20     290.5    -16.0   20
  310.5    -16.0   20     330.5    -16.0   20     350.5    -16.0   20     370.5    -16.0   20     390.5    -16.0   20
  410.5    -16.0   20     430.5    -16.0   20     450.5    -16.0   20     470.5    -16.0   20     490.5    -16.0   20
  510.5    -16.0   20     530.5    -16.0   20     550.5    -16.0   20     570.5    -16.0   20     590.5    -16.0   20
  610.5    -16.0   20     630.5    -16.0   20     650.5    -16.0   20     670.5    -16.0   20     690.5    -16.0   20
  710.5    -16.0   20     730.5    -16.0   20     110.5     16.0   20     130.5     16.0   20     150.5     16.0   20
  170.5     16.0   20     190.5     16.0   20     210.5     16.0   20     230.5     16.0   20     250.5     16.0   20
  270.5     16.0   20     290.5     16.0   20     310.5     16.0   20     330.5     16.0   20     350.5     16.0   20
  370.5     16.0   20     390.5     16.0   20     410.5     16.0   20     430.5     16.0   20     450.5     16.0   20
  470.5     16.0   20     490.5     16.0   20     510.5     16.0   20     530.5     16.0   20     550.5     16.0   20
  570.5     16.0   20     590.5     16.0   20     610.5     16.0   20     630.5     16.0   20     650.5     16.0   20
  670.5     16.0   20     690.5     16.0   20     710.5     16.0   20     730.5     16.0   20     107.5    -16.0   20
  107.5     16.0   20     118.9    -16.0   20     118.9     16.0   20     133.2    -16.0   20     133.2     16.0   20
  148.5    -16.0   20     148.5     16.0   20     740.1    -16.0   20     740.1     16.0   20     727.7    -16.0   20
  727.7     16.0   20     713.3    -16.0   20     713.3     16.0   20     701.9    -16.0   20     701.9     16.0   20
  174.1    -16.0   20     174.1     16.0   20     127.2    -16.0   20     127.2     16.0   20

Sezione a quota 185
Coordinate dei vertici
    X        Y
  100.0    -22.5
  100.0     22.5
  750.0     22.5
  750.0    -22.5

Armature verticali
```

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
110.5	-16.0	20	130.5	-16.0	20	150.5	-16.0	20	170.5	-16.0	20	190.5	-16.0	20
210.5	-16.0	20	230.5	-16.0	20	250.5	-16.0	20	270.5	-16.0	20	290.5	-16.0	20
310.5	-16.0	20	330.5	-16.0	20	350.5	-16.0	20	370.5	-16.0	20	390.5	-16.0	20
410.5	-16.0	20	430.5	-16.0	20	450.5	-16.0	20	470.5	-16.0	20	490.5	-16.0	20
510.5	-16.0	20	530.5	-16.0	20	550.5	-16.0	20	570.5	-16.0	20	590.5	-16.0	20
610.5	-16.0	20	630.5	-16.0	20	650.5	-16.0	20	670.5	-16.0	20	690.5	-16.0	20
710.5	-16.0	20	730.5	-16.0	20	110.5	16.0	20	130.5	16.0	20	150.5	16.0	20
170.5	16.0	20	190.5	16.0	20	210.5	16.0	20	230.5	16.0	20	250.5	16.0	20
270.5	16.0	20	290.5	16.0	20	310.5	16.0	20	330.5	16.0	20	350.5	16.0	20
370.5	16.0	20	390.5	16.0	20	410.5	16.0	20	430.5	16.0	20	450.5	16.0	20
470.5	16.0	20	490.5	16.0	20	510.5	16.0	20	530.5	16.0	20	550.5	16.0	20
570.5	16.0	20	590.5	16.0	20	610.5	16.0	20	630.5	16.0	20	650.5	16.0	20
670.5	16.0	20	690.5	16.0	20	710.5	16.0	20	730.5	16.0	20	107.5	-16.0	20
107.5	16.0	20	118.9	-16.0	20	118.9	16.0	20	133.2	-16.0	20	133.2	16.0	20
148.5	-16.0	20	148.5	16.0	20	740.1	-16.0	20	740.1	16.0	20	727.7	-16.0	20
727.7	16.0	20	713.3	-16.0	20	713.3	16.0	20	701.9	-16.0	20	701.9	16.0	20
174.1	-16.0	20	174.1	16.0	20	127.2	-16.0	20	127.2	16.0	20			

Sezione a quota 263
Coordinate dei vertici

X	Y
100.0	-22.5
100.0	22.5
750.0	22.5
750.0	-22.5

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
110.5	-16.0	20	130.5	-16.0	20	150.5	-16.0	20	170.5	-16.0	20	190.5	-16.0	20
210.5	-16.0	20	230.5	-16.0	20	250.5	-16.0	20	270.5	-16.0	20	290.5	-16.0	20
310.5	-16.0	20	330.5	-16.0	20	350.5	-16.0	20	370.5	-16.0	20	390.5	-16.0	20
410.5	-16.0	20	430.5	-16.0	20	450.5	-16.0	20	470.5	-16.0	20	490.5	-16.0	20
510.5	-16.0	20	530.5	-16.0	20	550.5	-16.0	20	570.5	-16.0	20	590.5	-16.0	20
610.5	-16.0	20	630.5	-16.0	20	650.5	-16.0	20	670.5	-16.0	20	690.5	-16.0	20
710.5	-16.0	20	730.5	-16.0	20	110.5	16.0	20	130.5	16.0	20	150.5	16.0	20
170.5	16.0	20	190.5	16.0	20	210.5	16.0	20	230.5	16.0	20	250.5	16.0	20
270.5	16.0	20	290.5	16.0	20	310.5	16.0	20	330.5	16.0	20	350.5	16.0	20
370.5	16.0	20	390.5	16.0	20	410.5	16.0	20	430.5	16.0	20	450.5	16.0	20
470.5	16.0	20	490.5	16.0	20	510.5	16.0	20	530.5	16.0	20	550.5	16.0	20
570.5	16.0	20	590.5	16.0	20	610.5	16.0	20	630.5	16.0	20	650.5	16.0	20
670.5	16.0	20	690.5	16.0	20	710.5	16.0	20	730.5	16.0	20	107.5	-16.0	20
107.5	16.0	20	118.9	-16.0	20	118.9	16.0	20	133.2	-16.0	20	133.2	16.0	20
148.5	-16.0	20	148.5	16.0	20	740.1	-16.0	20	740.1	16.0	20	727.7	-16.0	20
727.7	16.0	20	713.3	-16.0	20	713.3	16.0	20	701.9	-16.0	20	701.9	16.0	20
174.1	-16.0	20	174.1	16.0	20	127.2	-16.0	20	127.2	16.0	20			

Sezione a quota 265
Coordinate dei vertici

X	Y
100.0	-22.5
100.0	22.5
750.0	22.5
750.0	-22.5

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
110.5	-16.0	20	130.5	-16.0	20	150.5	-16.0	20	170.5	-16.0	20	190.5	-16.0	20
210.5	-16.0	20	230.5	-16.0	20	250.5	-16.0	20	270.5	-16.0	20	290.5	-16.0	20
310.5	-16.0	20	330.5	-16.0	20	350.5	-16.0	20	370.5	-16.0	20	390.5	-16.0	20
410.5	-16.0	20	430.5	-16.0	20	450.5	-16.0	20	470.5	-16.0	20	490.5	-16.0	20
510.5	-16.0	20	530.5	-16.0	20	550.5	-16.0	20	570.5	-16.0	20	590.5	-16.0	20
610.5	-16.0	20	630.5	-16.0	20	650.5	-16.0	20	670.5	-16.0	20	690.5	-16.0	20
710.5	-16.0	20	730.5	-16.0	20	110.5	16.0	20	130.5	16.0	20	150.5	16.0	20
170.5	16.0	20	190.5	16.0	20	210.5	16.0	20	230.5	16.0	20	250.5	16.0	20
270.5	16.0	20	290.5	16.0	20	310.5	16.0	20	330.5	16.0	20	350.5	16.0	20
370.5	16.0	20	390.5	16.0	20	410.5	16.0	20	430.5	16.0	20	450.5	16.0	20
470.5	16.0	20	490.5	16.0	20	510.5	16.0	20	530.5	16.0	20	550.5	16.0	20
570.5	16.0	20	590.5	16.0	20	610.5	16.0	20	630.5	16.0	20	650.5	16.0	20
670.5	16.0	20	690.5	16.0	20	710.5	16.0	20	730.5	16.0	20	107.5	-16.0	20
107.5	16.0	20	118.9	-16.0	20	118.9	16.0	20	133.2	-16.0	20	133.2	16.0	20
148.5	-16.0	20	148.5	16.0	20	740.1	-16.0	20	740.1	16.0	20	727.7	-16.0	20
727.7	16.0	20	713.3	-16.0	20	713.3	16.0	20	701.9	-16.0	20	701.9	16.0	20
174.1	-16.0	20	174.1	16.0	20	127.2	-16.0	20	127.2	16.0	20			

Sezione a quota 267
Coordinate dei vertici

X	Y
100.0	-22.5
100.0	22.5
750.0	22.5
750.0	-22.5

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
110.5	-16.0	20	130.5	-16.0	20	150.5	-16.0	20	170.5	-16.0	20	190.5	-16.0	20
210.5	-16.0	20	230.5	-16.0	20	250.5	-16.0	20	270.5	-16.0	20	290.5	-16.0	20
310.5	-16.0	20	330.5	-16.0	20	350.5	-16.0	20	370.5	-16.0	20	390.5	-16.0	20
410.5	-16.0	20	430.5	-16.0	20	450.5	-16.0	20	470.5	-16.0	20	490.5	-16.0	20
510.5	-16.0	20	530.5	-16.0	20	550.5	-16.0	20	570.5	-16.0	20	590.5	-16.0	20
610.5	-16.0	20	630.5	-16.0	20	650.5	-16.0	20	670.5	-16.0	20	690.5	-16.0	20
710.5	-16.0	20	730.5	-16.0	20	110.5	16.0	20	130.5	16.0	20	150.5	16.0	20
170.5	16.0	20	190.5	16.0	20	210.5	16.0	20	230.5	16.0	20	250.5	16.0	20
270.5	16.0	20	290.5	16.0	20	310.5	16.0	20	330.5	16.0	20	350.5	16.0	20

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
370.5	16.0	20	390.5	16.0	20	410.5	16.0	20	430.5	16.0	20	450.5	16.0	20
470.5	16.0	20	490.5	16.0	20	510.5	16.0	20	530.5	16.0	20	550.5	16.0	20
570.5	16.0	20	590.5	16.0	20	610.5	16.0	20	630.5	16.0	20	650.5	16.0	20
670.5	16.0	20	690.5	16.0	20	710.5	16.0	20	730.5	16.0	20	107.5	-16.0	20
107.5	16.0	20	118.9	-16.0	20	118.9	16.0	20	133.2	-16.0	20	133.2	16.0	20
148.5	-16.0	20	148.5	16.0	20	740.1	-16.0	20	740.1	16.0	20	727.7	-16.0	20
727.7	16.0	20	713.3	-16.0	20	713.3	16.0	20	701.9	-16.0	20	701.9	16.0	20
174.1	-16.0	20	174.1	16.0	20	127.2	-16.0	20	127.2	16.0	20			

Sezione a quota 269
Coordinate dei vertici

X	Y
100.0	-22.5
100.0	22.5
750.0	22.5
750.0	-22.5

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
110.5	-16.0	20	130.5	-16.0	20	150.5	-16.0	20	170.5	-16.0	20	190.5	-16.0	20
210.5	-16.0	20	230.5	-16.0	20	250.5	-16.0	20	270.5	-16.0	20	290.5	-16.0	20
310.5	-16.0	20	330.5	-16.0	20	350.5	-16.0	20	370.5	-16.0	20	390.5	-16.0	20
410.5	-16.0	20	430.5	-16.0	20	450.5	-16.0	20	470.5	-16.0	20	490.5	-16.0	20
510.5	-16.0	20	530.5	-16.0	20	550.5	-16.0	20	570.5	-16.0	20	590.5	-16.0	20
610.5	-16.0	20	630.5	-16.0	20	650.5	-16.0	20	670.5	-16.0	20	690.5	-16.0	20
710.5	-16.0	20	730.5	-16.0	20	110.5	16.0	20	130.5	16.0	20	150.5	16.0	20
170.5	16.0	20	190.5	16.0	20	210.5	16.0	20	230.5	16.0	20	250.5	16.0	20
270.5	16.0	20	290.5	16.0	20	310.5	16.0	20	330.5	16.0	20	350.5	16.0	20
370.5	16.0	20	390.5	16.0	20	410.5	16.0	20	430.5	16.0	20	450.5	16.0	20
470.5	16.0	20	490.5	16.0	20	510.5	16.0	20	530.5	16.0	20	550.5	16.0	20
570.5	16.0	20	590.5	16.0	20	610.5	16.0	20	630.5	16.0	20	650.5	16.0	20
670.5	16.0	20	690.5	16.0	20	710.5	16.0	20	730.5	16.0	20	107.5	-16.0	20
107.5	16.0	20	118.9	-16.0	20	118.9	16.0	20	133.2	-16.0	20	133.2	16.0	20
148.5	-16.0	20	148.5	16.0	20	740.1	-16.0	20	740.1	16.0	20	727.7	-16.0	20
727.7	16.0	20	713.3	-16.0	20	713.3	16.0	20	701.9	-16.0	20	701.9	16.0	20
174.1	-16.0	20	174.1	16.0	20	127.2	-16.0	20	127.2	16.0	20			

Sezione a quota 271
Coordinate dei vertici

X	Y
100.0	22.5
700.0	22.5
700.0	257.3
750.0	257.3
750.0	22.5
750.0	-22.5
100.0	-22.5

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
110.5	-16.0	20	130.5	-16.0	20	150.5	-16.0	20	170.5	-16.0	20	190.5	-16.0	20
210.5	-16.0	20	230.5	-16.0	20	250.5	-16.0	20	270.5	-16.0	20	290.5	-16.0	20
310.5	-16.0	20	330.5	-16.0	20	350.5	-16.0	20	370.5	-16.0	20	390.5	-16.0	20
410.5	-16.0	20	430.5	-16.0	20	450.5	-16.0	20	470.5	-16.0	20	490.5	-16.0	20
510.5	-16.0	20	530.5	-16.0	20	550.5	-16.0	20	570.5	-16.0	20	590.5	-16.0	20
610.5	-16.0	20	630.5	-16.0	20	650.5	-16.0	20	670.5	-16.0	20	690.5	-16.0	20
710.5	-16.0	20	730.5	-16.0	20	110.5	16.0	20	130.5	16.0	20	150.5	16.0	20
170.5	16.0	20	190.5	16.0	20	210.5	16.0	20	230.5	16.0	20	250.5	16.0	20
270.5	16.0	20	290.5	16.0	20	310.5	16.0	20	330.5	16.0	20	350.5	16.0	20
370.5	16.0	20	390.5	16.0	20	410.5	16.0	20	430.5	16.0	20	450.5	16.0	20
470.5	16.0	20	490.5	16.0	20	510.5	16.0	20	530.5	16.0	20	550.5	16.0	20
570.5	16.0	20	590.5	16.0	20	610.5	16.0	20	630.5	16.0	20	650.5	16.0	20
670.5	16.0	20	690.5	16.0	20	710.5	16.0	20	730.5	16.0	20	107.5	-16.0	20
107.5	16.0	20	118.9	-16.0	20	118.9	16.0	20	133.2	-16.0	20	133.2	16.0	20
148.5	-16.0	20	148.5	16.0	20	740.1	-16.0	20	740.1	16.0	20	727.7	-16.0	20
727.7	16.0	20	713.3	-16.0	20	713.3	16.0	20	701.9	-16.0	20	701.9	16.0	20
174.1	-16.0	20	174.1	16.0	20	127.2	-16.0	20	127.2	16.0	20			

Sezione a quota 433
Coordinate dei vertici

X	Y
100.0	22.5
700.0	22.5
700.0	216.9
750.0	216.9
750.0	22.5
750.0	-22.5
100.0	-22.5

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
110.5	-16.0	20	130.5	-16.0	20	150.5	-16.0	20	170.5	-16.0	20	190.5	-16.0	20
210.5	-16.0	20	230.5	-16.0	20	250.5	-16.0	20	270.5	-16.0	20	290.5	-16.0	20
310.5	-16.0	20	330.5	-16.0	20	350.5	-16.0	20	370.5	-16.0	20	390.5	-16.0	20
410.5	-16.0	20	430.5	-16.0	20	450.5	-16.0	20	470.5	-16.0	20	490.5	-16.0	20
510.5	-16.0	20	530.5	-16.0	20	550.5	-16.0	20	570.5	-16.0	20	590.5	-16.0	20
610.5	-16.0	20	630.5	-16.0	20	650.5	-16.0	20	670.5	-16.0	20	690.5	-16.0	20
710.5	-16.0	20	730.5	-16.0	20	110.5	16.0	20	130.5	16.0	20	150.5	16.0	20
170.5	16.0	20	190.5	16.0	20	210.5	16.0	20	230.5	16.0	20	250.5	16.0	20
270.5	16.0	20	290.5	16.0	20	310.5	16.0	20	330.5	16.0	20	350.5	16.0	20
370.5	16.0	20	390.5	16.0	20	410.5	16.0	20	430.5	16.0	20	450.5	16.0	20
470.5	16.0	20	490.5	16.0	20	510.5	16.0	20	530.5	16.0	20	550.5	16.0	20
570.5	16.0	20	590.5	16.0	20	610.5	16.0	20	630.5	16.0	20	650.5	16.0	20
670.5	16.0	20	690.5	16.0	20	710.5	16.0	20	730.5	16.0	20	107.5	-16.0	20

107.5	16.0	20	118.9	−16.0	20	118.9	16.0	20	133.2	−16.0	20	133.2	16.0	20
148.5	−16.0	20	148.5	16.0	20	740.1	−16.0	20	740.1	16.0	20	727.7	−16.0	20
727.7	16.0	20	713.3	−16.0	20	713.3	16.0	20	701.9	−16.0	20	701.9	16.0	20
174.1	−16.0	20	174.1	16.0	20	127.2	−16.0	20	127.2	16.0	20			

Sezione a quota 594
Coordinate dei vertici

X	Y
100.0	22.5
700.0	22.5
700.0	176.5
750.0	176.5
750.0	22.5
750.0	−22.5
100.0	−22.5

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
110.5	−16.0	20	130.5	−16.0	20	150.5	−16.0	20	170.5	−16.0	20	190.5	−16.0	20
210.5	−16.0	20	230.5	−16.0	20	250.5	−16.0	20	270.5	−16.0	20	290.5	−16.0	20
310.5	−16.0	20	330.5	−16.0	20	350.5	−16.0	20	370.5	−16.0	20	390.5	−16.0	20
410.5	−16.0	20	430.5	−16.0	20	450.5	−16.0	20	470.5	−16.0	20	490.5	−16.0	20
510.5	−16.0	20	530.5	−16.0	20	550.5	−16.0	20	570.5	−16.0	20	590.5	−16.0	20
610.5	−16.0	20	630.5	−16.0	20	650.5	−16.0	20	670.5	−16.0	20	690.5	−16.0	20
710.5	−16.0	20	730.5	−16.0	20	110.5	16.0	20	130.5	16.0	20	150.5	16.0	20
170.5	16.0	20	190.5	16.0	20	210.5	16.0	20	230.5	16.0	20	250.5	16.0	20
270.5	16.0	20	290.5	16.0	20	310.5	16.0	20	330.5	16.0	20	350.5	16.0	20
370.5	16.0	20	390.5	16.0	20	410.5	16.0	20	430.5	16.0	20	450.5	16.0	20
470.5	16.0	20	490.5	16.0	20	510.5	16.0	20	530.5	16.0	20	550.5	16.0	20
570.5	16.0	20	590.5	16.0	20	610.5	16.0	20	630.5	16.0	20	650.5	16.0	20
670.5	16.0	20	690.5	16.0	20	710.5	16.0	20	730.5	16.0	20			

Sezione a quota 596
Coordinate dei vertici

X	Y
100.0	22.5
700.0	22.5
700.0	176.0
750.0	176.0
750.0	22.5
750.0	−22.5
100.0	−22.5

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
110.5	−16.0	20	130.5	−16.0	20	150.5	−16.0	20	170.5	−16.0	20	190.5	−16.0	20
210.5	−16.0	20	230.5	−16.0	20	250.5	−16.0	20	270.5	−16.0	20	290.5	−16.0	20
310.5	−16.0	20	330.5	−16.0	20	350.5	−16.0	20	370.5	−16.0	20	390.5	−16.0	20
410.5	−16.0	20	430.5	−16.0	20	450.5	−16.0	20	470.5	−16.0	20	490.5	−16.0	20
510.5	−16.0	20	530.5	−16.0	20	550.5	−16.0	20	570.5	−16.0	20	590.5	−16.0	20
610.5	−16.0	20	630.5	−16.0	20	650.5	−16.0	20	670.5	−16.0	20	690.5	−16.0	20
710.5	−16.0	20	730.5	−16.0	20	110.5	16.0	20	130.5	16.0	20	150.5	16.0	20
170.5	16.0	20	190.5	16.0	20	210.5	16.0	20	230.5	16.0	20	250.5	16.0	20
270.5	16.0	20	290.5	16.0	20	310.5	16.0	20	330.5	16.0	20	350.5	16.0	20
370.5	16.0	20	390.5	16.0	20	410.5	16.0	20	430.5	16.0	20	450.5	16.0	20
470.5	16.0	20	490.5	16.0	20	510.5	16.0	20	530.5	16.0	20	550.5	16.0	20
570.5	16.0	20	590.5	16.0	20	610.5	16.0	20	630.5	16.0	20	650.5	16.0	20
670.5	16.0	20	690.5	16.0	20	710.5	16.0	20	730.5	16.0	20			

Sezione a quota 613
Coordinate dei vertici

X	Y
100.0	22.5
700.0	22.5
700.0	171.9
750.0	171.9
750.0	22.5
750.0	−22.5
100.0	−22.5

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
110.5	−16.0	20	130.5	−16.0	20	150.5	−16.0	20	170.5	−16.0	20	190.5	−16.0	20
210.5	−16.0	20	230.5	−16.0	20	250.5	−16.0	20	270.5	−16.0	20	290.5	−16.0	20
310.5	−16.0	20	330.5	−16.0	20	350.5	−16.0	20	370.5	−16.0	20	390.5	−16.0	20
410.5	−16.0	20	430.5	−16.0	20	450.5	−16.0	20	470.5	−16.0	20	490.5	−16.0	20
510.5	−16.0	20	530.5	−16.0	20	550.5	−16.0	20	570.5	−16.0	20	590.5	−16.0	20
610.5	−16.0	20	630.5	−16.0	20	650.5	−16.0	20	670.5	−16.0	20	690.5	−16.0	20
710.5	−16.0	20	730.5	−16.0	20	110.5	16.0	20	130.5	16.0	20	150.5	16.0	20
170.5	16.0	20	190.5	16.0	20	210.5	16.0	20	230.5	16.0	20	250.5	16.0	20
270.5	16.0	20	290.5	16.0	20	310.5	16.0	20	330.5	16.0	20	350.5	16.0	20
370.5	16.0	20	390.5	16.0	20	410.5	16.0	20	430.5	16.0	20	450.5	16.0	20
470.5	16.0	20	490.5	16.0	20	510.5	16.0	20	530.5	16.0	20	550.5	16.0	20
570.5	16.0	20	590.5	16.0	20	610.5	16.0	20	630.5	16.0	20	650.5	16.0	20
670.5	16.0	20	690.5	16.0	20	710.5	16.0	20	730.5	16.0	20			

Sezione a quota 629
Coordinate dei vertici

X	Y
100.0	22.5
700.0	22.5
700.0	167.8
750.0	167.8
750.0	22.5

```
 750.0   -22.5
 100.0   -22.5
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
110.5	-16.0	20	130.5	-16.0	20	150.5	-16.0	20	170.5	-16.0	20	190.5	-16.0	20
210.5	-16.0	20	230.5	-16.0	20	250.5	-16.0	20	270.5	-16.0	20	290.5	-16.0	20
310.5	-16.0	20	330.5	-16.0	20	350.5	-16.0	20	370.5	-16.0	20	390.5	-16.0	20
410.5	-16.0	20	430.5	-16.0	20	450.5	-16.0	20	470.5	-16.0	20	490.5	-16.0	20
510.5	-16.0	20	530.5	-16.0	20	550.5	-16.0	20	570.5	-16.0	20	590.5	-16.0	20
610.5	-16.0	20	630.5	-16.0	20	650.5	-16.0	20	670.5	-16.0	20	690.5	-16.0	20
710.5	-16.0	20	730.5	-16.0	20	110.5	16.0	20	130.5	16.0	20	150.5	16.0	20
170.5	16.0	20	190.5	16.0	20	210.5	16.0	20	230.5	16.0	20	250.5	16.0	20
270.5	16.0	20	290.5	16.0	20	310.5	16.0	20	330.5	16.0	20	350.5	16.0	20
370.5	16.0	20	390.5	16.0	20	410.5	16.0	20	430.5	16.0	20	450.5	16.0	20
470.5	16.0	20	490.5	16.0	20	510.5	16.0	20	530.5	16.0	20	550.5	16.0	20
570.5	16.0	20	590.5	16.0	20	610.5	16.0	20	630.5	16.0	20	650.5	16.0	20
670.5	16.0	20	690.5	16.0	20	710.5	16.0	20	730.5	16.0	20			

Sezione a quota 631
Coordinate dei vertici

X	Y
100.0	22.5
700.0	22.5
700.0	167.3
750.0	167.3
750.0	22.5
750.0	-22.5
100.0	-22.5

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
110.5	-16.0	20	130.5	-16.0	20	150.5	-16.0	20	170.5	-16.0	20	190.5	-16.0	20
210.5	-16.0	20	230.5	-16.0	20	250.5	-16.0	20	270.5	-16.0	20	290.5	-16.0	20
310.5	-16.0	20	330.5	-16.0	20	350.5	-16.0	20	370.5	-16.0	20	390.5	-16.0	20
410.5	-16.0	20	430.5	-16.0	20	450.5	-16.0	20	470.5	-16.0	20	490.5	-16.0	20
510.5	-16.0	20	530.5	-16.0	20	550.5	-16.0	20	570.5	-16.0	20	590.5	-16.0	20
610.5	-16.0	20	630.5	-16.0	20	650.5	-16.0	20	670.5	-16.0	20	690.5	-16.0	20
710.5	-16.0	20	730.5	-16.0	20	110.5	16.0	20	130.5	16.0	20	150.5	16.0	20
170.5	16.0	20	190.5	16.0	20	210.5	16.0	20	230.5	16.0	20	250.5	16.0	20
270.5	16.0	20	290.5	16.0	20	310.5	16.0	20	330.5	16.0	20	350.5	16.0	20
370.5	16.0	20	390.5	16.0	20	410.5	16.0	20	430.5	16.0	20	450.5	16.0	20
470.5	16.0	20	490.5	16.0	20	510.5	16.0	20	530.5	16.0	20	550.5	16.0	20
570.5	16.0	20	590.5	16.0	20	610.5	16.0	20	630.5	16.0	20	650.5	16.0	20
670.5	16.0	20	690.5	16.0	20	710.5	16.0	20	730.5	16.0	20			

Sezione a quota 679
Coordinate dei vertici

X	Y
100.0	22.5
700.0	22.5
700.0	155.4
750.0	155.4
750.0	22.5
750.0	-22.5
100.0	-22.5

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
110.5	-16.0	20	130.5	-16.0	20	150.5	-16.0	20	170.5	-16.0	20	190.5	-16.0	20
210.5	-16.0	20	230.5	-16.0	20	250.5	-16.0	20	270.5	-16.0	20	290.5	-16.0	20
310.5	-16.0	20	330.5	-16.0	20	350.5	-16.0	20	370.5	-16.0	20	390.5	-16.0	20
410.5	-16.0	20	430.5	-16.0	20	450.5	-16.0	20	470.5	-16.0	20	490.5	-16.0	20
510.5	-16.0	20	530.5	-16.0	20	550.5	-16.0	20	570.5	-16.0	20	590.5	-16.0	20
610.5	-16.0	20	630.5	-16.0	20	650.5	-16.0	20	670.5	-16.0	20	690.5	-16.0	20
710.5	-16.0	20	730.5	-16.0	20	110.5	16.0	20	130.5	16.0	20	150.5	16.0	20
170.5	16.0	20	190.5	16.0	20	210.5	16.0	20	230.5	16.0	20	250.5	16.0	20
270.5	16.0	20	290.5	16.0	20	310.5	16.0	20	330.5	16.0	20	350.5	16.0	20
370.5	16.0	20	390.5	16.0	20	410.5	16.0	20	430.5	16.0	20	450.5	16.0	20
470.5	16.0	20	490.5	16.0	20	510.5	16.0	20	530.5	16.0	20	550.5	16.0	20
570.5	16.0	20	590.5	16.0	20	610.5	16.0	20	630.5	16.0	20	650.5	16.0	20
670.5	16.0	20	690.5	16.0	20	710.5	16.0	20	730.5	16.0	20			

Sezione a quota 726
Coordinate dei vertici

X	Y
100.0	22.5
700.0	22.5
700.0	143.5
750.0	143.5
750.0	22.5
750.0	-22.5
100.0	-22.5

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
110.5	-16.0	20	130.5	-16.0	20	150.5	-16.0	20	170.5	-16.0	20	190.5	-16.0	20
210.5	-16.0	20	230.5	-16.0	20	250.5	-16.0	20	270.5	-16.0	20	290.5	-16.0	20
310.5	-16.0	20	330.5	-16.0	20	350.5	-16.0	20	370.5	-16.0	20	390.5	-16.0	20
410.5	-16.0	20	430.5	-16.0	20	450.5	-16.0	20	470.5	-16.0	20	490.5	-16.0	20
510.5	-16.0	20	530.5	-16.0	20	550.5	-16.0	20	570.5	-16.0	20	590.5	-16.0	20
610.5	-16.0	20	630.5	-16.0	20	650.5	-16.0	20	670.5	-16.0	20	690.5	-16.0	20
710.5	-16.0	20	730.5	-16.0	20	110.5	16.0	20	130.5	16.0	20	150.5	16.0	20
170.5	16.0	20	190.5	16.0	20	210.5	16.0	20	230.5	16.0	20	250.5	16.0	20

```
270.5   16.0   20    290.5   16.0   20    310.5   16.0   20    330.5   16.0   20    350.5   16.0   20
370.5   16.0   20    390.5   16.0   20    410.5   16.0   20    430.5   16.0   20    450.5   16.0   20
470.5   16.0   20    490.5   16.0   20    510.5   16.0   20    530.5   16.0   20    550.5   16.0   20
570.5   16.0   20    590.5   16.0   20    610.5   16.0   20    630.5   16.0   20    650.5   16.0   20
670.5   16.0   20    690.5   16.0   20    710.5   16.0   20    730.5   16.0   20
```

Sezione a quota 728
Coordinate dei vertici
```
   X        Y
 100.0    22.5
 700.0    22.5
 700.0   143.0
 750.0   143.0
 750.0    22.5
 750.0   -22.5
 100.0   -22.5
```

Armature verticali
```
   X        Y      ø       X        Y      ø       X        Y      ø       X        Y      ø       X        Y      ø
 110.5   -16.0   20    130.5   -16.0   20    150.5   -16.0   20    170.5   -16.0   20    190.5   -16.0   20
 210.5   -16.0   20    230.5   -16.0   20    250.5   -16.0   20    270.5   -16.0   20    290.5   -16.0   20
 310.5   -16.0   20    330.5   -16.0   20    350.5   -16.0   20    370.5   -16.0   20    390.5   -16.0   20
 410.5   -16.0   20    430.5   -16.0   20    450.5   -16.0   20    470.5   -16.0   20    490.5   -16.0   20
 510.5   -16.0   20    530.5   -16.0   20    550.5   -16.0   20    570.5   -16.0   20    590.5   -16.0   20
 610.5   -16.0   20    630.5   -16.0   20    650.5   -16.0   20    670.5   -16.0   20    690.5   -16.0   20
 710.5   -16.0   20    730.5   -16.0   20    110.5    16.0   20    130.5    16.0   20    150.5    16.0   20
 170.5    16.0   20    190.5    16.0   20    210.5    16.0   20    230.5    16.0   20    250.5    16.0   20
 270.5    16.0   20    290.5    16.0   20    310.5    16.0   20    330.5    16.0   20    350.5    16.0   20
 370.5    16.0   20    390.5    16.0   20    410.5    16.0   20    430.5    16.0   20    450.5    16.0   20
 470.5    16.0   20    490.5    16.0   20    510.5    16.0   20    530.5    16.0   20    550.5    16.0   20
 570.5    16.0   20    590.5    16.0   20    610.5    16.0   20    630.5    16.0   20    650.5    16.0   20
 670.5    16.0   20    690.5    16.0   20    710.5    16.0   20    730.5    16.0   20
```

Sezione a quota 729
Coordinate dei vertici
```
   X        Y
 100.0    22.5
 700.0    22.5
 700.0   142.9
 750.0   142.9
 750.0    22.5
 750.0   -22.5
 100.0   -22.5
```

Armature verticali
```
   X        Y      ø       X        Y      ø       X        Y      ø       X        Y      ø       X        Y      ø
 110.5   -16.0   20    130.5   -16.0   20    150.5   -16.0   20    170.5   -16.0   20    190.5   -16.0   20
 210.5   -16.0   20    230.5   -16.0   20    250.5   -16.0   20    270.5   -16.0   20    290.5   -16.0   20
 310.5   -16.0   20    330.5   -16.0   20    350.5   -16.0   20    370.5   -16.0   20    390.5   -16.0   20
 410.5   -16.0   20    430.5   -16.0   20    450.5   -16.0   20    470.5   -16.0   20    490.5   -16.0   20
 510.5   -16.0   20    530.5   -16.0   20    550.5   -16.0   20    570.5   -16.0   20    590.5   -16.0   20
 610.5   -16.0   20    630.5   -16.0   20    650.5   -16.0   20    670.5   -16.0   20    690.5   -16.0   20
 710.5   -16.0   20    730.5   -16.0   20    110.5    16.0   20    130.5    16.0   20    150.5    16.0   20
 170.5    16.0   20    190.5    16.0   20    210.5    16.0   20    230.5    16.0   20    250.5    16.0   20
 270.5    16.0   20    290.5    16.0   20    310.5    16.0   20    330.5    16.0   20    350.5    16.0   20
 370.5    16.0   20    390.5    16.0   20    410.5    16.0   20    430.5    16.0   20    450.5    16.0   20
 470.5    16.0   20    490.5    16.0   20    510.5    16.0   20    530.5    16.0   20    550.5    16.0   20
 570.5    16.0   20    590.5    16.0   20    610.5    16.0   20    630.5    16.0   20    650.5    16.0   20
 670.5    16.0   20    690.5    16.0   20    710.5    16.0   20    730.5    16.0   20
```

Sezione a quota 729
Coordinate dei vertici
```
   X        Y
 100.0    22.5
 700.0    22.5
 700.0   142.8
 750.0   142.8
 750.0    22.5
 750.0   -22.5
 100.0   -22.5
```

Armature verticali
```
   X        Y      ø       X        Y      ø       X        Y      ø       X        Y      ø       X        Y      ø
 110.5   -16.0   20    130.5   -16.0   20    150.5   -16.0   20    170.5   -16.0   20    190.5   -16.0   20
 210.5   -16.0   20    230.5   -16.0   20    250.5   -16.0   20    270.5   -16.0   20    290.5   -16.0   20
 310.5   -16.0   20    330.5   -16.0   20    350.5   -16.0   20    370.5   -16.0   20    390.5   -16.0   20
 410.5   -16.0   20    430.5   -16.0   20    450.5   -16.0   20    470.5   -16.0   20    490.5   -16.0   20
 510.5   -16.0   20    530.5   -16.0   20    550.5   -16.0   20    570.5   -16.0   20    590.5   -16.0   20
 610.5   -16.0   20    630.5   -16.0   20    650.5   -16.0   20    670.5   -16.0   20    690.5   -16.0   20
 710.5   -16.0   20    730.5   -16.0   20    110.5    16.0   20    130.5    16.0   20    150.5    16.0   20
 170.5    16.0   20    190.5    16.0   20    210.5    16.0   20    230.5    16.0   20    250.5    16.0   20
 270.5    16.0   20    290.5    16.0   20    310.5    16.0   20    330.5    16.0   20    350.5    16.0   20
 370.5    16.0   20    390.5    16.0   20    410.5    16.0   20    430.5    16.0   20    450.5    16.0   20
 470.5    16.0   20    490.5    16.0   20    510.5    16.0   20    530.5    16.0   20    550.5    16.0   20
 570.5    16.0   20    590.5    16.0   20    610.5    16.0   20    630.5    16.0   20    650.5    16.0   20
 670.5    16.0   20    690.5    16.0   20    710.5    16.0   20    730.5    16.0   20
```

Sezione a quota 731
Coordinate dei vertici
```
   X        Y
 100.0    22.5
 700.0    22.5
 700.0   142.3
 750.0   142.3
```

```
750.0     22.5
750.0    -22.5
100.0    -22.5
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
110.5	-16.0	20	130.5	-16.0	20	150.5	-16.0	20	170.5	-16.0	20	190.5	-16.0	20
210.5	-16.0	20	230.5	-16.0	20	250.5	-16.0	20	270.5	-16.0	20	290.5	-16.0	20
310.5	-16.0	20	330.5	-16.0	20	350.5	-16.0	20	370.5	-16.0	20	390.5	-16.0	20
410.5	-16.0	20	430.5	-16.0	20	450.5	-16.0	20	470.5	-16.0	20	490.5	-16.0	20
510.5	-16.0	20	530.5	-16.0	20	550.5	-16.0	20	570.5	-16.0	20	590.5	-16.0	20
610.5	-16.0	20	630.5	-16.0	20	650.5	-16.0	20	670.5	-16.0	20	690.5	-16.0	20
710.5	-16.0	20	730.5	-16.0	20	110.5	16.0	20	130.5	16.0	20	150.5	16.0	20
170.5	16.0	20	190.5	16.0	20	210.5	16.0	20	230.5	16.0	20	250.5	16.0	20
270.5	16.0	20	290.5	16.0	20	310.5	16.0	20	330.5	16.0	20	350.5	16.0	20
370.5	16.0	20	390.5	16.0	20	410.5	16.0	20	430.5	16.0	20	450.5	16.0	20
470.5	16.0	20	490.5	16.0	20	510.5	16.0	20	530.5	16.0	20	550.5	16.0	20
570.5	16.0	20	590.5	16.0	20	610.5	16.0	20	630.5	16.0	20	650.5	16.0	20
670.5	16.0	20	690.5	16.0	20	710.5	16.0	20	730.5	16.0	20			

Sezione a quota 951
Coordinate dei vertici

```
  X       Y
100.0    22.5
700.0    22.5
700.0    87.3
750.0    87.3
750.0    22.5
750.0   -22.5
100.0   -22.5
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
110.5	-16.0	20	130.5	-16.0	20	150.5	-16.0	20	170.5	-16.0	20	190.5	-16.0	20
210.5	-16.0	20	230.5	-16.0	20	250.5	-16.0	20	270.5	-16.0	20	290.5	-16.0	20
310.5	-16.0	20	330.5	-16.0	20	350.5	-16.0	20	370.5	-16.0	20	390.5	-16.0	20
410.5	-16.0	20	430.5	-16.0	20	450.5	-16.0	20	470.5	-16.0	20	490.5	-16.0	20
510.5	-16.0	20	530.5	-16.0	20	550.5	-16.0	20	570.5	-16.0	20	590.5	-16.0	20
610.5	-16.0	20	630.5	-16.0	20	650.5	-16.0	20	670.5	-16.0	20	690.5	-16.0	20
710.5	-16.0	20	730.5	-16.0	20	110.5	16.0	20	130.5	16.0	20	150.5	16.0	20
170.5	16.0	20	190.5	16.0	20	210.5	16.0	20	230.5	16.0	20	250.5	16.0	20
270.5	16.0	20	290.5	16.0	20	310.5	16.0	20	330.5	16.0	20	350.5	16.0	20
370.5	16.0	20	390.5	16.0	20	410.5	16.0	20	430.5	16.0	20	450.5	16.0	20
470.5	16.0	20	490.5	16.0	20	510.5	16.0	20	530.5	16.0	20	550.5	16.0	20
570.5	16.0	20	590.5	16.0	20	610.5	16.0	20	630.5	16.0	20	650.5	16.0	20
670.5	16.0	20	690.5	16.0	20	710.5	16.0	20	730.5	16.0	20			

Sezione a quota 1171
Coordinate dei vertici

```
  X       Y
100.0   -22.5
100.0    22.5
750.0    22.5
750.0   -22.5
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
110.5	-16.0	20	130.5	-16.0	20	150.5	-16.0	20	170.5	-16.0	20	190.5	-16.0	20
210.5	-16.0	20	230.5	-16.0	20	250.5	-16.0	20	270.5	-16.0	20	290.5	-16.0	20
310.5	-16.0	20	330.5	-16.0	20	350.5	-16.0	20	370.5	-16.0	20	390.5	-16.0	20
410.5	-16.0	20	430.5	-16.0	20	450.5	-16.0	20	470.5	-16.0	20	490.5	-16.0	20
510.5	-16.0	20	530.5	-16.0	20	550.5	-16.0	20	570.5	-16.0	20	590.5	-16.0	20
610.5	-16.0	20	630.5	-16.0	20	650.5	-16.0	20	670.5	-16.0	20	690.5	-16.0	20
710.5	-16.0	20	730.5	-16.0	20	110.5	16.0	20	130.5	16.0	20	150.5	16.0	20
170.5	16.0	20	190.5	16.0	20	210.5	16.0	20	230.5	16.0	20	250.5	16.0	20
270.5	16.0	20	290.5	16.0	20	310.5	16.0	20	330.5	16.0	20	350.5	16.0	20
370.5	16.0	20	390.5	16.0	20	410.5	16.0	20	430.5	16.0	20	450.5	16.0	20
470.5	16.0	20	490.5	16.0	20	510.5	16.0	20	530.5	16.0	20	550.5	16.0	20
570.5	16.0	20	590.5	16.0	20	610.5	16.0	20	630.5	16.0	20	650.5	16.0	20
670.5	16.0	20	690.5	16.0	20	710.5	16.0	20	730.5	16.0	20			

Sezione a quota 1173
Coordinate dei vertici

```
  X       Y
100.0   -22.5
100.0    22.5
750.0    22.5
750.0   -22.5
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
110.5	-16.0	20	130.5	-16.0	20	150.5	-16.0	20	170.5	-16.0	20	190.5	-16.0	20
210.5	-16.0	20	230.5	-16.0	20	250.5	-16.0	20	270.5	-16.0	20	290.5	-16.0	20
310.5	-16.0	20	330.5	-16.0	20	350.5	-16.0	20	370.5	-16.0	20	390.5	-16.0	20
410.5	-16.0	20	430.5	-16.0	20	450.5	-16.0	20	470.5	-16.0	20	490.5	-16.0	20
510.5	-16.0	20	530.5	-16.0	20	550.5	-16.0	20	570.5	-16.0	20	590.5	-16.0	20
610.5	-16.0	20	630.5	-16.0	20	650.5	-16.0	20	670.5	-16.0	20	690.5	-16.0	20
710.5	-16.0	20	730.5	-16.0	20	110.5	16.0	20	130.5	16.0	20	150.5	16.0	20
170.5	16.0	20	190.5	16.0	20	210.5	16.0	20	230.5	16.0	20	250.5	16.0	20
270.5	16.0	20	290.5	16.0	20	310.5	16.0	20	330.5	16.0	20	350.5	16.0	20
370.5	16.0	20	390.5	16.0	20	410.5	16.0	20	430.5	16.0	20	450.5	16.0	20
470.5	16.0	20	490.5	16.0	20	510.5	16.0	20	530.5	16.0	20	550.5	16.0	20
570.5	16.0	20	590.5	16.0	20	610.5	16.0	20	630.5	16.0	20	650.5	16.0	20
670.5	16.0	20	690.5	16.0	20	710.5	16.0	20	730.5	16.0	20			

```
Sezione a quota 1236
Coordinate dei vertici
    X       Y
  100.0  -22.5
  100.0   22.5
  750.0   22.5
  750.0  -22.5

Armature verticali
    X       Y     ø       X       Y     ø       X       Y     ø       X       Y     ø       X       Y     ø
  110.5  -16.0   20   130.5  -16.0   20   150.5  -16.0   20   170.5  -16.0   20   190.5  -16.0   20
  210.5  -16.0   20   230.5  -16.0   20   250.5  -16.0   20   270.5  -16.0   20   290.5  -16.0   20
  310.5  -16.0   20   330.5  -16.0   20   350.5  -16.0   20   370.5  -16.0   20   390.5  -16.0   20
  410.5  -16.0   20   430.5  -16.0   20   450.5  -16.0   20   470.5  -16.0   20   490.5  -16.0   20
  510.5  -16.0   20   530.5  -16.0   20   550.5  -16.0   20   570.5  -16.0   20   590.5  -16.0   20
  610.5  -16.0   20   630.5  -16.0   20   650.5  -16.0   20   670.5  -16.0   20   690.5  -16.0   20
  710.5  -16.0   20   730.5  -16.0   20   110.5   16.0   20   130.5   16.0   20   150.5   16.0   20
  170.5   16.0   20   190.5   16.0   20   210.5   16.0   20   230.5   16.0   20   250.5   16.0   20
  270.5   16.0   20   290.5   16.0   20   310.5   16.0   20   330.5   16.0   20   350.5   16.0   20
  370.5   16.0   20   390.5   16.0   20   410.5   16.0   20   430.5   16.0   20   450.5   16.0   20
  470.5   16.0   20   490.5   16.0   20   510.5   16.0   20   530.5   16.0   20   550.5   16.0   20
  570.5   16.0   20   590.5   16.0   20   610.5   16.0   20   630.5   16.0   20   650.5   16.0   20
  670.5   16.0   20   690.5   16.0   20   710.5   16.0   20   730.5   16.0   20

Sezione a quota 1299
Coordinate dei vertici
    X       Y
  100.0  -22.5
  100.0   22.5
  750.0   22.5
  750.0  -22.5

Armature verticali
    X       Y     ø       X       Y     ø       X       Y     ø       X       Y     ø       X       Y     ø
  110.5  -16.0   20   130.5  -16.0   20   150.5  -16.0   20   170.5  -16.0   20   190.5  -16.0   20
  210.5  -16.0   20   230.5  -16.0   20   250.5  -16.0   20   270.5  -16.0   20   290.5  -16.0   20
  310.5  -16.0   20   330.5  -16.0   20   350.5  -16.0   20   370.5  -16.0   20   390.5  -16.0   20
  410.5  -16.0   20   430.5  -16.0   20   450.5  -16.0   20   470.5  -16.0   20   490.5  -16.0   20
  510.5  -16.0   20   530.5  -16.0   20   550.5  -16.0   20   570.5  -16.0   20   590.5  -16.0   20
  610.5  -16.0   20   630.5  -16.0   20   650.5  -16.0   20   670.5  -16.0   20   690.5  -16.0   20
  710.5  -16.0   20   730.5  -16.0   20   110.5   16.0   20   130.5   16.0   20   150.5   16.0   20
  170.5   16.0   20   190.5   16.0   20   210.5   16.0   20   230.5   16.0   20   250.5   16.0   20
  270.5   16.0   20   290.5   16.0   20   310.5   16.0   20   330.5   16.0   20   350.5   16.0   20
  370.5   16.0   20   390.5   16.0   20   410.5   16.0   20   430.5   16.0   20   450.5   16.0   20
  470.5   16.0   20   490.5   16.0   20   510.5   16.0   20   530.5   16.0   20   550.5   16.0   20
  570.5   16.0   20   590.5   16.0   20   610.5   16.0   20   630.5   16.0   20   650.5   16.0   20
  670.5   16.0   20   690.5   16.0   20   710.5   16.0   20   730.5   16.0   20


Verifica eseguita con comportamento non dissipativo
Le condizioni sismiche sono state moltiplicate per i rispettivi fattori di struttura
 fcd fctd  Hcr q.Hcr   hw    Lw   n.p.   hs
 212  16   350   315  1335   650   10    158

Verifica a pressoflessione
quota     Mxd       Myd        Ned     Ngrav.    NReale    c.s. comb
   -4   4911427   11856540   -95477   -95477   -95477    4.8319 7 SLU
   -4   4468317 -122989000   73184   -79093    73184    2.0021 1 SLV
   51   4020539   11773440   -89164   -89164   -89164    6.0279 7 SLU
   51   3475531 -112691800   79139   -74237    79139    2.2120 1 SLV
  105   2916554   12124690   -84375   -84375   -84375    8.7071 7 SLU
  105   2651053 -101873700   81349   -70553    81349    2.4213 1 SLV
  107   2884246   12128400   -84375   -84375   -84375    8.8287 7 SLU
  107   2614184 -101487800   81349   -70553    81349    2.4302 1 SLV
  185   1663508   12201630   -80976   -80976   -80976   16.6454 8 SLU
  185   1193613  -86811930   84949   -65610    84949    2.7890 1 SLV
  263    413127   12209430   -74402   -74402   -74402   40.8273 8 SLU
  263   -196496  -72214710   91001   -60553    91001    3.1837 1 SLV
  265    380999   12212560   -74402   -74402   -74402   41.9343 8 SLU
  265   -229476  -72053660   89377   -60553    89377    3.2038 1 SLV
  267    348859   12215700   -74402   -74402   -74402   43.0921 8 SLU
  267   -264230  -71676980   89377   -60553    89377    3.2163 1 SLV
  269    316717   12218850   -74402   -74402   -74402   44.2904 8 SLU
  269   -298222  -71298670   89384   -60553    89384    3.2290 1 SLV
  271    466105   10845390   -79024   -79024   -79024   52.6633 8 SLU
  271   -124766  -66945680  102583   -62521   102583    3.2632 1 SLV
  433    552050    9457713   -69729   -69729   -69729   56.6771 8 SLU
  433   -121550  -40396060  100892   -54112   100892    3.7203 1 SLV
  594    833289    8392417   -56742   -56742   -56742   57.6652 8 SLU
  594     50972  -19388580   89009   -43450    89009    5.1326 1 SLV
  596    835637    8389911   -56742   -56742   -56742   57.5509 8 SLU
  596     59467  -19042420   89009   -43450    89009    5.1729 1 SLV
  613    846420    8139258   -53875   -53875   -53875   57.7908 8 SLU
  613     92964  -16315230   91190   -41244    91190    5.4296 1 SLV
  629    856191    8236690   -50311   -50311   -50311   56.1298 8 SLU
  629    131729  -13427110   93377   -38503    93377    5.7335 1 SLV
  631    858539    8234184   -50311   -50311   -50311   56.0399 8 SLU
  631    139100  -13081510   93377   -38503    93377    5.7827 1 SLV
  679    873016    7550681   -46160   -46160   -46160   57.8877 8 SLU
  679    656732  -10932080   84496   -34984    84496    6.5778 1 SLV
  726   1055053    7559624   -38081   -38081   -38081   48.1067 5 SLU
  726   1267785    1075618   77544   -32143    77544    7.9183 5 SLV
```

```
 728    1062386    7581136     -38081     -38081    -38081   47.7649  5 SLU
 728    1285170    1215711      77544     -32143     77544    7.8602  5 SLV
 729    1064220    7586514     -38081     -38081    -38081   47.6800  5 SLU
 729    1289517    1250734      77544     -32143     77544    7.8458  5 SLV
 729    1066053    7591892     -38081     -38081    -38081   47.5952  5 SLU
 729    1293863    1285757      77544     -32143     77544    7.8314  5 SLV
 731    -810385    3753666     -24418     -24418    -24418   24.9177  6 SLU
 731    -405752  -12061930      81894     -21749     81894    6.4144  1 SLV
 951    -366277    -458714     -24976     -24976    -24976  107.7922  5 SLU
 951   -1212028  -10268040      15026     -20696     15026    8.2580  5 SLV
1171    -107881    -264256     -12709     -12709    -12709  318.7180  7 SLU
1171   -1043910   -1433144       4531     -10123      4531   12.5613  5 SLV
1173     -83962    -719202     -12130     -12130    -12130  317.7368  5 SLU
1173   -1050206   -4207749      -2914      -9420     -2914   12.9385  5 SLV
1236     -30760    -300375      -7424      -7424     -7424  656.8885  5 SLU
1236    -501606   -3869035        788      -5574       788   23.0675 10 SLV
1299      -8451     451897      -1711      -1711     -1711 1112.5040  5 SLU
1299     -11879   -7851345      10885      -1179     10885   20.7720 16 SLV
```

Verifica compressione del diagonale

```
quota  epsilon      VEd      Vrcd comb
  -4    1.00     -7049   1256676 5 SLU
  -4    1.00   -195313   1238153 1 SLV
  51    1.00     -7049   1255413 5 SLU
  51    1.00   -194800   1238153 1 SLV
 105    1.00     -7001   1254455 5 SLU
 105    1.00   -192937   1238153 1 SLV
 107    1.00     -7001   1254455 5 SLU
 107    1.00   -192937   1238153 1 SLV
 185    1.00     -6945   1253170 5 SLU
 185    1.00   -190904   1238153 1 SLV
 263    1.00     -6878   1251855 5 SLU
 263    1.00   -187924   1238153 1 SLV
 265    1.00     -6873   1251855 5 SLU
 265    1.00   -188342   1238153 1 SLV
 267    1.00     -6873   1251855 5 SLU
 267    1.00   -188342   1238153 1 SLV
 269    1.00     -6868   1251855 5 SLU
 269    1.00   -188173   1238153 1 SLV
 271    1.00     -6012   1252732 5 SLU
 271    1.00   -189237   1238153 1 SLV
 433    1.00     -5168   1250963 5 SLU
 433    1.00   -181459   1238153 1 SLV
 594    1.00     -3409   1248534 5 SLU
 594    1.00   -173079   1238153 1 SLV
 596    1.00     -3409   1248534 5 SLU
 596    1.00   -173079   1238153 1 SLV
 613    1.00     -3409   1247960 5 SLU
 613    1.00   -172881   1238153 1 SLV
 629    1.00     -3409   1247247 5 SLU
 629    1.00   -172804   1238153 1 SLV
 631    1.00     -3409   1247247 5 SLU
 631    1.00   -172804   1238153 1 SLV
 679    1.00    -10784   1246507 5 SLU
 679    1.00   -177495   1238153 1 SLV
 726    1.00    -10756   1245769 5 SLU
 726    1.00   -176523   1238153 1 SLV
 728    1.00    -10756   1245769 5 SLU
 728    1.00   -176523   1238153 1 SLV
 729    1.00    -10756   1245769 5 SLU
 729    1.00   -176523   1238153 1 SLV
 729    1.00    -10756   1245769 5 SLU
 729    1.00   -176523   1238153 1 SLV
 731    1.00    -14758   1242686 5 SLU
 731    1.00   -123209   1238153 1 SLV
 951    1.00    -12687   1243148 5 SLU
 951    1.00   -111425   1238153 1 SLV
1171    1.00    -13367   1240676 5 SLU
1171    1.00    -98921   1238598 1 SLV
1173    1.00    -13371   1240578 5 SLU
1173    1.00    -92682   1240549 1 SLV
1236    1.00    -13541   1239637 5 SLU
1236    1.00    -89347   1241574 1 SLV
1299    1.00    -13532   1238495 5 SLU
1299    1.00    -88985   1240801 1 SLV
```

Verifica trazione del diagonale

```
quota  alfaS   At    roh    rov        MEd       NEd      VEd      VRsd comb
  -4    0.00 263.9 0.0061 0.0090    8486540    -92616    -7049    562009 5 SLU
  -4    0.00 263.9 0.0061 0.0090 -122989000    73184  -195313    562009 1 SLV
  51    0.00 263.9 0.0070 0.0090    8689169    -86303    -7049    639305 5 SLU
  51    0.00 263.9 0.0070 0.0090 -112691800    79139  -194800    639305 1 SLV
 105    0.00 263.9 0.0070 0.0090    9322341    -81513    -7001    639305 5 SLU
 105    0.00 263.9 0.0070 0.0090 -101873700    81349  -192937    639305 1 SLV
 107    0.00 263.9 0.0070 0.0090    9336344    -81513    -7001    639305 5 SLU
 107    0.00 263.9 0.0070 0.0090 -101487800    81349  -192937    639305 1 SLV
 185    0.00 263.9 0.0070 0.0090    9762555    -75088    -6945    639305 5 SLU
 185    0.00 263.9 0.0070 0.0090  -86811930    84949  -190904    639305 1 SLV
 263    0.00 263.9 0.0070 0.0090   10189940    -68514    -6878    639305 5 SLU
 263    0.00 263.9 0.0070 0.0090  -72214710    91001  -187924    639305 1 SLV
 265    0.00 263.9 0.0070 0.0090   10203700    -68514    -6873    639305 5 SLU
 265    0.00 263.9 0.0070 0.0090  -72053660    89377  -188342    639305 1 SLV
 267    0.00 263.9 0.0070 0.0090   10217440    -68514    -6873    639305 5 SLU
 267    0.00 263.9 0.0070 0.0090  -71676980    89377  -188342    639305 1 SLV
```

```
 269   0.00 263.9  0.0070  0.0090   10231190    -68514     -6868   639305 5 SLU
 269   0.00 263.9  0.0070  0.0090  -71298670     89384   -188173   639305 1 SLV
 271   0.00 263.9  0.0070  0.0090    8940316    -72897     -6012   639305 5 SLU
 271   0.00 263.9  0.0070  0.0090  -66945680    102583   -189237   639305 1 SLV
 433   0.00 237.7  0.0070  0.0081    8253836    -64054     -5168   639305 5 SLU
 433   0.00 237.7  0.0070  0.0081  -40396060    100892   -181459   639305 1 SLV
 594   0.00 201.1  0.0070  0.0069    7719881    -51906     -3409   639305 5 SLU
 594   0.00 201.1  0.0070  0.0069  -19388580     89009   -173079   639305 1 SLV
 596   0.00 201.1  0.0070  0.0069    7726699    -51906     -3409   639305 5 SLU
 596   0.00 201.1  0.0070  0.0069  -19042420     89009   -173079   639305 1 SLV
 613   0.00 201.1  0.0070  0.0069    7552971    -49038     -3409   639305 5 SLU
 613   0.00 201.1  0.0070  0.0069  -16315230     91190   -172881   639305 1 SLV
 629   0.00 201.1  0.0070  0.0069    7727327    -45474     -3409   639305 5 SLU
 629   0.00 201.1  0.0070  0.0069  -13427110     93377   -172804   639305 1 SLV
 631   0.00 201.1  0.0070  0.0069    7734145    -45474     -3409   639305 5 SLU
 631   0.00 201.1  0.0070  0.0069  -13081510     93377   -172804   639305 1 SLV
 679   0.00 201.1  0.0070  0.0069    7083198    -41774    -10784   639305 5 SLU
 679   0.00 201.1  0.0070  0.0069  -10932080     84496   -177495   639305 1 SLV
 726   0.00 201.1  0.0070  0.0069    7559624    -38081    -10756   639305 5 SLU
 726   0.00 201.1  0.0070  0.0069   -2749946     87363   -176523   639305 1 SLV
 728   0.00 201.1  0.0070  0.0069    7581136    -38081    -10756   639305 5 SLU
 728   0.00 201.1  0.0070  0.0069   -2396901     87363   -176523   639305 1 SLV
 729   0.00 201.1  0.0070  0.0069    7586514    -38081    -10756   639305 5 SLU
 729   0.00 201.1  0.0070  0.0069   -2308640     87363   -176523   639305 1 SLV
 729   0.00 201.1  0.0070  0.0069    7591892    -38081    -10756   639305 5 SLU
 729   0.00 201.1  0.0070  0.0069   -2220379     87363   -176523   639305 1 SLV
 731   0.00 201.1  0.0070  0.0069    3541162    -22670    -14758   639305 5 SLU
 731   0.00 201.1  0.0070  0.0069  -12061930     81894   -123209   639305 1 SLV
 951   0.00 201.1  0.0070  0.0069    -458714    -24976    -12687   639305 5 SLU
 951   0.00 201.1  0.0070  0.0069  -10064640     15176   -111425   639305 1 SLV
1171   0.00 201.1  0.0070  0.0069    -148774    -12615    -13367   639305 5 SLU
1171   0.00 201.1  0.0070  0.0069    3118391     -2229    -98921   639305 1 SLV
1173   0.00 201.1  0.0070  0.0069    -719202    -12130    -13371   639305 5 SLU
1173   0.00 201.1  0.0070  0.0069    -274512    -11984    -92682   639305 1 SLV
1236   0.00 201.1  0.0070  0.0069    -300375     -7424    -13541   639305 5 SLU
1236   0.00 201.1  0.0070  0.0069    2682483    -17109    -89347   639305 1 SLV
1299   0.00 201.1  0.0070  0.0069     451897     -1711    -13532   639305 5 SLU
1299   0.00 201.1  0.0070  0.0069    8440603    -13243    -88985   639305 1 SLV
```

Parete O
```
Parete fra le coordinate in pianta (-725;945) (-725;-895)
da quota -155 a quota 1300
Valori in daN, cm
C35/45_1: rck 450
fyk 4500


Verifica di stato limite ultimo
  nod sez   B   H   Af+   Af-   c+   c-   c.s.    comb      N       M      Nu       Mu
 1603  o 150  50  45.6  45.6  6.5  6.5   1.007   13 SLV  -19909 -7512279  -20056 -7567719
       v 150  50  22.6  22.6  8.5  8.5   3.470   15 SLV    3635  -984618   12616 -3417099
 1734  o 150  50  89.5  89.5  6.5  6.5   1.028   14 SLV  -31284-13794040  -32165-14182140
       v 150  50  22.6  22.6  8.5  8.5   1.336   13 SLV    1584 -2715509    2116 -3627386
 1745  o 150  50  75.4  75.4  6.5  6.5   1.191   14 SLV  -31986-10281720  -38106-12248830
       v 150  50  22.6  22.6  8.5  8.5   4.019   13 SLV    2218  -868871    8915 -3491739

Combinazione rara
  nod sez   B   H   Af+   Af-   c+   c-   sc   c        N         M     sf   c        N         M Wk(mm) Wlim   st Sm(mm)   c
 1603  o 150  50  45.6  45.6  6.5  6.5 -68.6 1 ra -3.59E04 -3.60E06 1692.8 1 ra -3.59E04 -3.60E06 0.06999.00  0.0 138.8 1 ra
       v 150  50  22.6  22.6  8.5  8.5 -11.3 1 ra -1.05E04 -4.00E05  249.2 1 ra -1.05E04 -4.00E05 0.00999.00  4.8   0.0 1 ra
 1734  o 150  50  89.5  89.5  6.5  6.5 -89.2 1 ra -5.17E04 -6.69E06 1723.6 1 ra -5.17E04 -6.69E06 0.04999.00  0.0  66.4 1 ra
       v 150  50  22.6  22.6  8.5  8.5 -37.6 1 ra -1.54E04 -1.29E06 1189.1 1 ra -1.54E04 -1.29E06 0.00999.00 17.8   0.0 1 ra
 1745  o 150  50  75.4  75.4  6.5  6.5 -74.7 1 ra -5.15E04 -5.04E06 1456.7 1 ra -5.15E04 -5.04E06 0.08999.00  0.0 163.6 1 ra
       v 150  50  22.6  22.6  8.5  8.5 -12.0 1 ra -1.49E04 -4.38E05  344.0 1 ra -6.45E03 -4.11E05 0.00999.00  5.4   0.0 1 ra

Combinazione frequente
  nod sez   B   H   Af+   Af-   c+   c-   sc   c        N         M     sf   c        N         M Wk(mm) Wklim   st Sm(mm)   c
 1603  o 150  50  45.6  45.6  6.5  6.5 -68.6 1 fr -3.59E04 -3.60E06 1692.8 1 fr -3.59E04 -3.60E06  0.06  0.20  0.0 138.8 1 fr
       v 150  50  22.6  22.6  8.5  8.5 -11.3 1 fr -1.05E04 -4.00E05  249.2 1 fr -1.05E04 -4.00E05  0.00  0.20  4.8   0.0 1 fr
 1734  o 150  50  89.5  89.5  6.5  6.5 -89.2 1 fr -5.17E04 -6.69E06 1723.6 1 fr -5.17E04 -6.69E06  0.04  0.20  0.0  66.4 1 fr
       v 150  50  22.6  22.6  8.5  8.5 -37.6 1 fr -1.54E04 -1.29E06 1189.1 1 fr -1.54E04 -1.29E06  0.00  0.20 17.8   0.0 1 fr
 1745  o 150  50  75.4  75.4  6.5  6.5 -74.7 1 fr -5.15E04 -5.04E06 1456.7 1 fr -5.15E04 -5.04E06  0.08  0.20  0.0 163.6 1 fr
       v 150  50  22.6  22.6  8.5  8.5 -12.0 1 fr -1.49E04 -4.38E05  344.0 1 fr -6.45E03 -4.11E05  0.00  0.20  5.4   0.0 1 fr

Combinazione quasi permanente
  nod sez   B   H   Af+   Af-   c+   c-   sc   c        N         M     sf   c        N         M Wk(mm) Wklim   st Sm(mm)   c
 1603  o 150  50  45.6  45.6  6.5  6.5 -56.8 3 q. -3.25E04 -2.97E06 1367.5 3 q. -3.25E04 -2.97E06  0.05  0.20  0.0 138.0 3 q.
       v 150  50  22.6  22.6  8.5  8.5  -9.0 3 q. -9.02E03 -3.20E05  187.4 3 q. -9.02E03 -3.20E05  0.00  0.20  3.7   0.0 1 q.
 1734  o 150  50  89.5  89.5  6.5  6.5 -73.7 4 q. -4.70E04 -5.50E06 1398.3 3 q. -4.64E04 -5.50E06  0.03  0.20  0.0  66.1 3 q.
       v 150  50  22.6  22.6  8.5  8.5 -31.0 3 q. -1.33E04 -1.07E06  968.2 3 q. -1.33E04 -1.07E06  0.00  0.20 14.6   0.0 1 q.
 1745  o 150  50  75.4  75.4  6.5  6.5 -62.0 4 q. -4.73E04 -4.16E06 1177.3 3 q. -4.67E04 -4.16E06  0.06  0.20  0.0 163.1 3 q.
       v 150  50  22.6  22.6  8.5  8.5 -10.4 3 q. -1.33E04 -3.79E05  279.5 3 q. -5.59E03 -3.40E05  0.00  0.20  4.5   0.0 1 q.


Verifica dei pannelli

Pannello : Pannello da Filo 106 a Filo 112

Sezione a quota -4
Coordinate dei vertici
     X      Y
 -945.0   25.0
 -945.0  125.0
 -900.0  125.0
```

```
  -900.0    25.0
    45.0    25.0
    45.0   125.0
    85.0   125.0
    85.0    25.0
   895.0    25.0
   895.0   -25.0
    85.0   -25.0
    85.0  -125.0
    45.0  -125.0
    45.0   -25.0
  -945.0   -25.0
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-345.0	-18.5	20	-325.0	-18.5	20	-305.0	-18.5	20	-285.0	-18.5	20	-265.0	-18.5	20
-245.0	-18.5	20	-225.0	-18.5	20	-205.0	-18.5	20	-185.0	-18.5	20	-165.0	-18.5	20
-145.0	-18.5	20	-125.0	-18.5	20	-105.0	-18.5	20	-85.0	-18.5	20	-65.0	-18.5	20
-45.0	-18.5	20	-25.0	-18.5	20	-5.0	-18.5	20	15.0	-18.5	20	35.0	-18.5	20
55.0	-18.5	20	75.0	-18.5	20	95.0	-18.5	20	115.0	-18.5	20	135.0	-18.5	20
155.0	-18.5	20	175.0	-18.5	20	195.0	-18.5	20	215.0	-18.5	20	235.0	-18.5	20
255.0	-18.5	20	275.0	-18.5	20	295.0	-18.5	20	315.0	-18.5	20	335.0	-18.5	20
355.0	-18.5	20	375.0	-18.5	20	395.0	-18.5	20	415.0	-18.5	20	435.0	-18.5	20
455.0	-18.5	20	475.0	-18.5	20	495.0	-18.5	20	515.0	-18.5	20	535.0	-18.5	20
555.0	-18.5	20	575.0	-18.5	20	595.0	-18.5	20	615.0	-18.5	20	635.0	-18.5	20
655.0	-18.5	20	675.0	-18.5	20	695.0	-18.5	20	715.0	-18.5	20	735.0	-18.5	20
755.0	-18.5	20	775.0	-18.5	20	795.0	-18.5	20	815.0	-18.5	20	835.0	-18.5	20
855.0	-18.5	20	875.0	-18.5	20	-345.0	18.5	20	-325.0	18.5	20	-305.0	18.5	20
-285.0	18.5	20	-265.0	18.5	20	-245.0	18.5	20	-225.0	18.5	20	-205.0	18.5	20
-185.0	18.5	20	-165.0	18.5	20	-145.0	18.5	20	-125.0	18.5	20	-105.0	18.5	20
-85.0	18.5	20	-65.0	18.5	20	-45.0	18.5	20	-25.0	18.5	20	-5.0	18.5	20
15.0	18.5	20	35.0	18.5	20	55.0	18.5	20	75.0	18.5	20	95.0	18.5	20
115.0	18.5	20	135.0	18.5	20	155.0	18.5	20	175.0	18.5	20	195.0	18.5	20
215.0	18.5	20	235.0	18.5	20	255.0	18.5	20	275.0	18.5	20	295.0	18.5	20
315.0	18.5	20	335.0	18.5	20	355.0	18.5	20	375.0	18.5	20	395.0	18.5	20
415.0	18.5	20	435.0	18.5	20	455.0	18.5	20	475.0	18.5	20	495.0	18.5	20
515.0	18.5	20	535.0	18.5	20	555.0	18.5	20	575.0	18.5	20	595.0	18.5	20
615.0	18.5	20	635.0	18.5	20	655.0	18.5	20	675.0	18.5	20	695.0	18.5	20
715.0	18.5	20	735.0	18.5	20	755.0	18.5	20	775.0	18.5	20	795.0	18.5	20
815.0	18.5	20	835.0	18.5	20	855.0	18.5	20	875.0	18.5	20	37.5	-18.5	20
37.5	18.5	20	-65.2	-18.5	20	-65.2	18.5	20	15.1	-18.5	20	15.1	18.5	20
20.5	-18.5	20	20.5	18.5	20	30.0	-18.5	20	30.0	18.5	20	39.8	-18.5	20
39.8	18.5	20	137.2	-18.5	20	137.2	18.5	20	148.5	-18.5	20	148.5	18.5	20
117.5	-18.5	20	117.5	18.5	20	-291.0	-18.5	20	-291.0	18.5	20	-347.5	-18.5	20
-347.5	18.5	20	124.5	-18.5	20	124.5	18.5	20	101.2	-18.5	20	101.2	18.5	20
208.4	-18.5	20	208.4	18.5	20	287.5	-18.5	20	287.5	18.5	20	365.3	-18.5	20
365.3	18.5	20	109.6	-18.5	20	109.6	18.5	20	198.0	-18.5	20	198.0	18.5	20
279.4	-18.5	20	279.4	18.5	20	362.1	-18.5	20	362.1	18.5	20	128.1	-18.5	20
128.1	18.5	20	160.2	-18.5	20	160.2	18.5	20	86.5	-18.5	20	86.5	18.5	20
143.5	-18.5	20	143.5	18.5	20	-188.0	-18.5	20	-188.0	18.5	20	160.0	-18.5	20
160.0	18.5	20	346.8	-18.5	20	346.8	18.5	20	176.7	-18.5	20	176.7	18.5	20
-335.0	-18.5	20	-335.0	18.5	20	-315.0	-18.5	20	-315.0	18.5	20	-295.0	-18.5	20
-295.0	18.5	20	-275.0	-18.5	20	-275.0	18.5	20	-255.0	-18.5	20	-255.0	18.5	20
-235.0	-18.5	20	-235.0	18.5	20	-215.0	-18.5	20	-215.0	18.5	20	-195.0	-18.5	20
-195.0	18.5	20	-175.0	-18.5	20	-175.0	18.5	20	-155.0	-18.5	20	-155.0	18.5	20
-135.0	-18.5	20	-135.0	18.5	20	-115.0	-18.5	20	-115.0	18.5	20	-95.0	-18.5	20
-95.0	18.5	20	-75.0	-18.5	20	-75.0	18.5	20	-55.0	-18.5	20	-55.0	18.5	20
-35.0	-18.5	20	-35.0	18.5	20	-15.0	-18.5	20	-15.0	18.5	20	5.0	-18.5	20
5.0	18.5	20	25.0	-18.5	20	25.0	18.5	20	52.5	-18.5	20	52.5	18.5	20
72.5	-18.5	20	72.5	18.5	20	92.5	-18.5	20	92.5	18.5	20	112.5	-18.5	20
112.5	18.5	20	132.5	-18.5	20	132.5	18.5	20	152.5	-18.5	20	152.5	18.5	20
172.5	-18.5	20	172.5	18.5	20	192.5	-18.5	20	192.5	18.5	20	212.5	-18.5	20
212.5	18.5	20	232.5	-18.5	20	232.5	18.5	20	252.5	-18.5	20	252.5	18.5	20
272.5	-18.5	20	272.5	18.5	20	292.5	-18.5	20	292.5	18.5	20	312.5	-18.5	20
312.5	18.5	20	332.5	-18.5	20	332.5	18.5	20	352.5	-18.5	20	352.5	18.5	20
372.5	-18.5	20	372.5	18.5	20	392.5	-18.5	20	392.5	18.5	20	412.5	-18.5	20
412.5	18.5	20	432.5	-18.5	20	432.5	18.5	20	452.5	-18.5	20	452.5	18.5	20
472.5	-18.5	20	472.5	18.5	20	492.5	-18.5	20	492.5	18.5	20	512.5	-18.5	20
512.5	18.5	20	532.5	-18.5	20	532.5	18.5	20	552.5	-18.5	20	552.5	18.5	20
572.5	-18.5	20	572.5	18.5	20	592.5	-18.5	20	592.5	18.5	20	612.5	-18.5	20
612.5	18.5	20	632.5	-18.5	20	632.5	18.5	20	652.5	-18.5	20	652.5	18.5	20
672.5	-18.5	20	672.5	18.5	20	692.5	-18.5	20	692.5	18.5	20	712.5	-18.5	20
712.5	18.5	20	732.5	-18.5	20	732.5	18.5	20	752.5	-18.5	20	752.5	18.5	20
772.5	-18.5	20	772.5	18.5	20	792.5	-18.5	20	792.5	18.5	20	812.5	-18.5	20
812.5	18.5	20	832.5	-18.5	20	832.5	18.5	20	852.5	-18.5	20	852.5	18.5	20
872.5	-18.5	20	872.5	18.5	20									

Sezione a quota 51
Coordinate dei vertici

```
    X       Y
  -945.0    25.0
  -945.0   125.0
  -900.0   125.0
  -900.0    25.0
    45.0    25.0
    45.0   125.0
    85.0   125.0
    85.0    25.0
   895.0    25.0
   895.0   -25.0
    85.0   -25.0
    85.0  -125.0
    45.0  -125.0
    45.0   -25.0
```

```
 -945.0   -25.0

Armature verticali
      X        Y    ø        X        Y    ø        X        Y    ø        X        Y    ø        X        Y    ø
 -345.0   -18.5   20  -325.0   -18.5   20  -305.0   -18.5   20  -285.0   -18.5   20  -265.0   -18.5   20
 -245.0   -18.5   20  -225.0   -18.5   20  -205.0   -18.5   20  -185.0   -18.5   20  -165.0   -18.5   20
 -145.0   -18.5   20  -125.0   -18.5   20  -105.0   -18.5   20   -85.0   -18.5   20   -65.0   -18.5   20
  -45.0   -18.5   20   -25.0   -18.5   20    -5.0   -18.5   20    15.0   -18.5   20    35.0   -18.5   20
   55.0   -18.5   20    75.0   -18.5   20    95.0   -18.5   20   115.0   -18.5   20   135.0   -18.5   20
  155.0   -18.5   20   175.0   -18.5   20   195.0   -18.5   20   215.0   -18.5   20   235.0   -18.5   20
  255.0   -18.5   20   275.0   -18.5   20   295.0   -18.5   20   315.0   -18.5   20   335.0   -18.5   20
  355.0   -18.5   20   375.0   -18.5   20   395.0   -18.5   20   415.0   -18.5   20   435.0   -18.5   20
  455.0   -18.5   20   475.0   -18.5   20   495.0   -18.5   20   515.0   -18.5   20   535.0   -18.5   20
  555.0   -18.5   20   575.0   -18.5   20   595.0   -18.5   20   615.0   -18.5   20   635.0   -18.5   20
  655.0   -18.5   20   675.0   -18.5   20   695.0   -18.5   20   715.0   -18.5   20   735.0   -18.5   20
  755.0   -18.5   20   775.0   -18.5   20   795.0   -18.5   20   815.0   -18.5   20   835.0   -18.5   20
  855.0   -18.5   20   875.0   -18.5   20  -345.0    18.5   20  -325.0    18.5   20  -305.0    18.5   20
 -285.0    18.5   20  -265.0    18.5   20  -245.0    18.5   20  -225.0    18.5   20  -205.0    18.5   20
 -185.0    18.5   20  -165.0    18.5   20  -145.0    18.5   20  -125.0    18.5   20  -105.0    18.5   20
  -85.0    18.5   20   -65.0    18.5   20   -45.0    18.5   20   -25.0    18.5   20    -5.0    18.5   20
   15.0    18.5   20    35.0    18.5   20    55.0    18.5   20    75.0    18.5   20    95.0    18.5   20
  115.0    18.5   20   135.0    18.5   20   155.0    18.5   20   175.0    18.5   20   195.0    18.5   20
  215.0    18.5   20   235.0    18.5   20   255.0    18.5   20   275.0    18.5   20   295.0    18.5   20
  315.0    18.5   20   335.0    18.5   20   355.0    18.5   20   375.0    18.5   20   395.0    18.5   20
  415.0    18.5   20   435.0    18.5   20   455.0    18.5   20   475.0    18.5   20   495.0    18.5   20
  515.0    18.5   20   535.0    18.5   20   555.0    18.5   20   575.0    18.5   20   595.0    18.5   20
  615.0    18.5   20   635.0    18.5   20   655.0    18.5   20   675.0    18.5   20   695.0    18.5   20
  715.0    18.5   20   735.0    18.5   20   755.0    18.5   20   775.0    18.5   20   795.0    18.5   20
  815.0    18.5   20   835.0    18.5   20   855.0    18.5   20   875.0    18.5   20    37.5   -18.5   20
   37.5    18.5   20   -65.2   -18.5   20   -65.2    18.5   20    15.1   -18.5   20    15.1    18.5   20
   20.5   -18.5   20    20.5    18.5   20    30.0   -18.5   20    30.0    18.5   20    39.8   -18.5   20
   39.8    18.5   20   137.2   -18.5   20   137.2    18.5   20   148.5   -18.5   20   148.5    18.5   20
  117.5   -18.5   20   117.5    18.5   20  -291.0   -18.5   20  -291.0    18.5   20  -347.5   -18.5   20
 -347.5    18.5   20   124.5   -18.5   20   124.5    18.5   20   101.2   -18.5   20   101.2    18.5   20
  208.4   -18.5   20   208.4    18.5   20   287.5   -18.5   20   287.5    18.5   20   365.3   -18.5   20
  365.3    18.5   20   109.6   -18.5   20   109.6    18.5   20   198.0   -18.5   20   198.0    18.5   20
  279.4   -18.5   20   279.4    18.5   20   362.1   -18.5   20   362.1    18.5   20   128.1   -18.5   20
  128.1    18.5   20   160.2   -18.5   20   160.2    18.5   20    86.5   -18.5   20    86.5    18.5   20
  143.5   -18.5   20   143.5    18.5   20  -188.0   -18.5   20  -188.0    18.5   20   160.0   -18.5   20
  160.0    18.5   20   346.8   -18.5   20   346.8    18.5   20   176.7   -18.5   20   176.7    18.5   20
 -335.0   -18.5   20  -335.0    18.5   20  -315.0   -18.5   20  -315.0    18.5   20  -295.0   -18.5   20
 -295.0    18.5   20  -275.0   -18.5   20  -275.0    18.5   20  -255.0   -18.5   20  -255.0    18.5   20
 -235.0   -18.5   20  -235.0    18.5   20  -215.0   -18.5   20  -215.0    18.5   20  -195.0   -18.5   20
 -195.0    18.5   20  -175.0   -18.5   20  -175.0    18.5   20  -155.0   -18.5   20  -155.0    18.5   20
 -135.0   -18.5   20  -135.0    18.5   20  -115.0   -18.5   20  -115.0    18.5   20   -95.0   -18.5   20
  -95.0    18.5   20   -75.0   -18.5   20   -75.0    18.5   20   -55.0   -18.5   20   -55.0    18.5   20
  -35.0   -18.5   20   -35.0    18.5   20   -15.0   -18.5   20   -15.0    18.5   20     5.0   -18.5   20
    5.0    18.5   20    25.0   -18.5   20    25.0    18.5   20    52.5   -18.5   20    52.5    18.5   20
   72.5   -18.5   20    72.5    18.5   20    92.5   -18.5   20    92.5    18.5   20   112.5   -18.5   20
  112.5    18.5   20   132.5   -18.5   20   132.5    18.5   20   152.5   -18.5   20   152.5    18.5   20
  172.5   -18.5   20   172.5    18.5   20   192.5   -18.5   20   192.5    18.5   20   212.5   -18.5   20
  212.5    18.5   20   232.5   -18.5   20   232.5    18.5   20   252.5   -18.5   20   252.5    18.5   20
  272.5   -18.5   20   272.5    18.5   20   292.5   -18.5   20   292.5    18.5   20   312.5   -18.5   20
  312.5    18.5   20   332.5   -18.5   20   332.5    18.5   20   352.5   -18.5   20   352.5    18.5   20
  372.5   -18.5   20   372.5    18.5   20   392.5   -18.5   20   392.5    18.5   20   412.5   -18.5   20
  412.5    18.5   20   432.5   -18.5   20   432.5    18.5   20   452.5   -18.5   20   452.5    18.5   20
  472.5   -18.5   20   472.5    18.5   20   492.5   -18.5   20   492.5    18.5   20   512.5   -18.5   20
  512.5    18.5   20   532.5   -18.5   20   532.5    18.5   20   552.5   -18.5   20   552.5    18.5   20
  572.5   -18.5   20   572.5    18.5   20   592.5   -18.5   20   592.5    18.5   20   612.5   -18.5   20
  612.5    18.5   20   632.5   -18.5   20   632.5    18.5   20   652.5   -18.5   20   652.5    18.5   20
  672.5   -18.5   20   672.5    18.5   20   692.5   -18.5   20   692.5    18.5   20   712.5   -18.5   20
  712.5    18.5   20   732.5   -18.5   20   732.5    18.5   20   752.5   -18.5   20   752.5    18.5   20
  772.5   -18.5   20   772.5    18.5   20   792.5   -18.5   20   792.5    18.5   20   812.5   -18.5   20
  812.5    18.5   20   832.5   -18.5   20   832.5    18.5   20   852.5   -18.5   20   852.5    18.5   20
  872.5   -18.5   20   872.5    18.5   20

Sezione a quota 105
Coordinate dei vertici
      X        Y
 -945.0    25.0
 -945.0   125.0
 -900.0   125.0
 -900.0    25.0
   45.0    25.0
   45.0   125.0
   85.0   125.0
   85.0    25.0
  895.0    25.0
  895.0   -25.0
   85.0   -25.0
   85.0  -125.0
   45.0  -125.0
   45.0   -25.0
 -945.0   -25.0

Armature verticali
      X        Y    ø        X        Y    ø        X        Y    ø        X        Y    ø        X        Y    ø
 -345.0   -18.5   20  -325.0   -18.5   20  -305.0   -18.5   20  -285.0   -18.5   20  -265.0   -18.5   20
 -245.0   -18.5   20  -225.0   -18.5   20  -205.0   -18.5   20  -185.0   -18.5   20  -165.0   -18.5   20
 -145.0   -18.5   20  -125.0   -18.5   20  -105.0   -18.5   20   -85.0   -18.5   20   -65.0   -18.5   20
  -45.0   -18.5   20   -25.0   -18.5   20    -5.0   -18.5   20    15.0   -18.5   20    35.0   -18.5   20
   55.0   -18.5   20    75.0   -18.5   20    95.0   -18.5   20   115.0   -18.5   20   135.0   -18.5   20
  155.0   -18.5   20   175.0   -18.5   20   195.0   -18.5   20   215.0   -18.5   20   235.0   -18.5   20
  255.0   -18.5   20   275.0   -18.5   20   295.0   -18.5   20   315.0   -18.5   20   335.0   -18.5   20
```

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
355.0	-18.5	20	375.0	-18.5	20	395.0	-18.5	20	415.0	-18.5	20	435.0	-18.5	20
455.0	-18.5	20	475.0	-18.5	20	495.0	-18.5	20	515.0	-18.5	20	535.0	-18.5	20
555.0	-18.5	20	575.0	-18.5	20	595.0	-18.5	20	615.0	-18.5	20	635.0	-18.5	20
655.0	-18.5	20	675.0	-18.5	20	695.0	-18.5	20	715.0	-18.5	20	735.0	-18.5	20
755.0	-18.5	20	775.0	-18.5	20	795.0	-18.5	20	815.0	-18.5	20	835.0	-18.5	20
855.0	-18.5	20	875.0	-18.5	20	-345.0	18.5	20	-325.0	18.5	20	-305.0	18.5	20
-285.0	18.5	20	-265.0	18.5	20	-245.0	18.5	20	-225.0	18.5	20	-205.0	18.5	20
-185.0	18.5	20	-165.0	18.5	20	-145.0	18.5	20	-125.0	18.5	20	-105.0	18.5	20
-85.0	18.5	20	-65.0	18.5	20	-45.0	18.5	20	-25.0	18.5	20	-5.0	18.5	20
15.0	18.5	20	35.0	18.5	20	55.0	18.5	20	75.0	18.5	20	95.0	18.5	20
115.0	18.5	20	135.0	18.5	20	155.0	18.5	20	175.0	18.5	20	195.0	18.5	20
215.0	18.5	20	235.0	18.5	20	255.0	18.5	20	275.0	18.5	20	295.0	18.5	20
315.0	18.5	20	335.0	18.5	20	355.0	18.5	20	375.0	18.5	20	395.0	18.5	20
415.0	18.5	20	435.0	18.5	20	455.0	18.5	20	475.0	18.5	20	495.0	18.5	20
515.0	18.5	20	535.0	18.5	20	555.0	18.5	20	575.0	18.5	20	595.0	18.5	20
615.0	18.5	20	635.0	18.5	20	655.0	18.5	20	675.0	18.5	20	695.0	18.5	20
715.0	18.5	20	735.0	18.5	20	755.0	18.5	20	775.0	18.5	20	795.0	18.5	20
815.0	18.5	20	835.0	18.5	20	855.0	18.5	20	875.0	18.5	20	37.5	-18.5	20
37.5	18.5	20	-65.2	-18.5	20	-65.2	18.5	20	15.1	-18.5	20	15.1	18.5	20
20.5	-18.5	20	20.5	18.5	20	30.0	-18.5	20	30.0	18.5	20	39.8	-18.5	20
39.8	18.5	20	137.2	-18.5	20	137.2	18.5	20	148.5	-18.5	20	148.5	18.5	20
117.5	-18.5	20	117.5	18.5	20	-291.0	-18.5	20	-291.0	18.5	20	-347.5	-18.5	20
-347.5	18.5	20	124.5	-18.5	20	124.5	18.5	20	101.2	-18.5	20	101.2	18.5	20
208.4	-18.5	20	208.4	18.5	20	287.5	-18.5	20	287.5	18.5	20	365.3	-18.5	20
365.3	18.5	20	109.6	-18.5	20	109.6	18.5	20	198.0	-18.5	20	198.0	18.5	20
279.4	-18.5	20	279.4	18.5	20	362.1	-18.5	20	362.1	18.5	20	128.1	-18.5	20
128.1	18.5	20	160.2	-18.5	20	160.2	18.5	20	86.5	-18.5	20	86.5	18.5	20
143.5	-18.5	20	143.5	18.5	20	-188.0	-18.5	20	-188.0	18.5	20	160.0	-18.5	20
160.0	18.5	20	346.8	-18.5	20	346.8	18.5	20	176.7	-18.5	20	176.7	18.5	20
-335.0	-18.5	20	-335.0	18.5	20	-315.0	-18.5	20	-315.0	18.5	20	-295.0	-18.5	20
-295.0	18.5	20	-275.0	-18.5	20	-275.0	18.5	20	-255.0	-18.5	20	-255.0	18.5	20
-235.0	-18.5	20	-235.0	18.5	20	-215.0	-18.5	20	-215.0	18.5	20	-195.0	-18.5	20
-195.0	18.5	20	-175.0	-18.5	20	-175.0	18.5	20	-155.0	-18.5	20	-155.0	18.5	20
-135.0	-18.5	20	-135.0	18.5	20	-115.0	-18.5	20	-115.0	18.5	20	-95.0	-18.5	20
-95.0	18.5	20	-75.0	-18.5	20	-75.0	18.5	20	-55.0	-18.5	20	-55.0	18.5	20
-35.0	-18.5	20	-35.0	18.5	20	-15.0	-18.5	20	-15.0	18.5	20	5.0	-18.5	20
5.0	18.5	20	25.0	-18.5	20	25.0	18.5	20	52.5	-18.5	20	52.5	18.5	20
72.5	-18.5	20	72.5	18.5	20	92.5	-18.5	20	92.5	18.5	20	112.5	-18.5	20
112.5	18.5	20	132.5	-18.5	20	132.5	18.5	20	152.5	-18.5	20	152.5	18.5	20
172.5	-18.5	20	172.5	18.5	20	192.5	-18.5	20	192.5	18.5	20	212.5	-18.5	20
212.5	18.5	20	232.5	-18.5	20	232.5	18.5	20	252.5	-18.5	20	252.5	18.5	20
272.5	-18.5	20	272.5	18.5	20	292.5	-18.5	20	292.5	18.5	20	312.5	-18.5	20
312.5	18.5	20	332.5	-18.5	20	332.5	18.5	20	352.5	-18.5	20	352.5	18.5	20
372.5	-18.5	20	372.5	18.5	20	392.5	-18.5	20	392.5	18.5	20	412.5	-18.5	20
412.5	18.5	20	432.5	-18.5	20	432.5	18.5	20	452.5	-18.5	20	452.5	18.5	20
472.5	-18.5	20	472.5	18.5	20	492.5	-18.5	20	492.5	18.5	20	512.5	-18.5	20
512.5	18.5	20	532.5	-18.5	20	532.5	18.5	20	552.5	-18.5	20	552.5	18.5	20
572.5	-18.5	20	572.5	18.5	20	592.5	-18.5	20	592.5	18.5	20	612.5	-18.5	20
612.5	18.5	20	632.5	-18.5	20	632.5	18.5	20	652.5	-18.5	20	652.5	18.5	20
672.5	-18.5	20	672.5	18.5	20	692.5	-18.5	20	692.5	18.5	20	712.5	-18.5	20
712.5	18.5	20	732.5	-18.5	20	732.5	18.5	20	752.5	-18.5	20	752.5	18.5	20
772.5	-18.5	20	772.5	18.5	20	792.5	-18.5	20	792.5	18.5	20	812.5	-18.5	20
812.5	18.5	20	832.5	-18.5	20	832.5	18.5	20	852.5	-18.5	20	852.5	18.5	20
872.5	-18.5	20	872.5	18.5	20									

Sezione a quota 107
Coordinate dei vertici

X	Y
-945.0	25.0
-945.0	262.0
-900.0	262.0
-900.0	25.0
845.0	25.0
845.0	262.0
895.0	262.0
895.0	25.0
895.0	-25.0
-945.0	-25.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-345.0	-18.5	20	-325.0	-18.5	20	-305.0	-18.5	20	-285.0	-18.5	20	-265.0	-18.5	20
-245.0	-18.5	20	-225.0	-18.5	20	-205.0	-18.5	20	-185.0	-18.5	20	-165.0	-18.5	20
-145.0	-18.5	20	-125.0	-18.5	20	-105.0	-18.5	20	-85.0	-18.5	20	-65.0	-18.5	20
-45.0	-18.5	20	-25.0	-18.5	20	-5.0	-18.5	20	15.0	-18.5	20	35.0	-18.5	20
55.0	-18.5	20	75.0	-18.5	20	95.0	-18.5	20	115.0	-18.5	20	135.0	-18.5	20
155.0	-18.5	20	175.0	-18.5	20	195.0	-18.5	20	215.0	-18.5	20	235.0	-18.5	20
255.0	-18.5	20	275.0	-18.5	20	295.0	-18.5	20	315.0	-18.5	20	335.0	-18.5	20
355.0	-18.5	20	375.0	-18.5	20	395.0	-18.5	20	415.0	-18.5	20	435.0	-18.5	20
455.0	-18.5	20	475.0	-18.5	20	495.0	-18.5	20	515.0	-18.5	20	535.0	-18.5	20
555.0	-18.5	20	575.0	-18.5	20	595.0	-18.5	20	615.0	-18.5	20	635.0	-18.5	20
655.0	-18.5	20	675.0	-18.5	20	695.0	-18.5	20	715.0	-18.5	20	735.0	-18.5	20
755.0	-18.5	20	775.0	-18.5	20	795.0	-18.5	20	815.0	-18.5	20	835.0	-18.5	20
855.0	-18.5	20	875.0	-18.5	20	-345.0	18.5	20	-325.0	18.5	20	-305.0	18.5	20
-285.0	18.5	20	-265.0	18.5	20	-245.0	18.5	20	-225.0	18.5	20	-205.0	18.5	20
-185.0	18.5	20	-165.0	18.5	20	-145.0	18.5	20	-125.0	18.5	20	-105.0	18.5	20
-85.0	18.5	20	-65.0	18.5	20	-45.0	18.5	20	-25.0	18.5	20	-5.0	18.5	20
15.0	18.5	20	35.0	18.5	20	55.0	18.5	20	75.0	18.5	20	95.0	18.5	20
115.0	18.5	20	135.0	18.5	20	155.0	18.5	20	175.0	18.5	20	195.0	18.5	20
215.0	18.5	20	235.0	18.5	20	255.0	18.5	20	275.0	18.5	20	295.0	18.5	20
315.0	18.5	20	335.0	18.5	20	355.0	18.5	20	375.0	18.5	20	395.0	18.5	20
415.0	18.5	20	435.0	18.5	20	455.0	18.5	20	475.0	18.5	20	495.0	18.5	20
515.0	18.5	20	535.0	18.5	20	555.0	18.5	20	575.0	18.5	20	595.0	18.5	20
615.0	18.5	20	635.0	18.5	20	655.0	18.5	20	675.0	18.5	20	695.0	18.5	20

715.0	18.5	20	735.0	18.5	20	755.0	18.5	20	775.0	18.5	20	795.0	18.5	20
815.0	18.5	20	835.0	18.5	20	855.0	18.5	20	875.0	18.5	20	37.5	-18.5	20
37.5	18.5	20	-65.2	-18.5	20	-65.2	18.5	20	15.1	-18.5	20	15.1	18.5	20
20.5	-18.5	20	20.5	18.5	20	30.0	-18.5	20	30.0	18.5	20	39.8	-18.5	20
39.8	18.5	20	137.2	-18.5	20	137.2	18.5	20	148.5	-18.5	20	148.5	18.5	20
117.5	-18.5	20	117.5	18.5	20	-291.0	-18.5	20	-291.0	18.5	20	-347.5	-18.5	20
-347.5	18.5	20	124.5	-18.5	20	124.5	18.5	20	101.2	-18.5	20	101.2	18.5	20
208.4	-18.5	20	208.4	18.5	20	287.5	-18.5	20	287.5	18.5	20	365.3	-18.5	20
365.3	18.5	20	109.6	-18.5	20	109.6	18.5	20	198.0	-18.5	20	198.0	18.5	20
279.4	-18.5	20	279.4	18.5	20	362.1	-18.5	20	362.1	18.5	20	128.1	-18.5	20
128.1	18.5	20	160.2	-18.5	20	160.2	18.5	20	86.5	-18.5	20	86.5	18.5	20
143.5	-18.5	20	143.5	18.5	20	-188.0	-18.5	20	-188.0	18.5	20	160.0	-18.5	20
160.0	18.5	20	346.8	-18.5	20	346.8	18.5	20	176.7	-18.5	20	176.7	18.5	20
-335.0	-18.5	20	-335.0	18.5	20	-315.0	-18.5	20	-315.0	18.5	20	-295.0	-18.5	20
-295.0	18.5	20	-275.0	-18.5	20	-275.0	18.5	20	-255.0	-18.5	20	-255.0	18.5	20
-235.0	-18.5	20	-235.0	18.5	20	-215.0	-18.5	20	-215.0	18.5	20	-195.0	-18.5	20
-195.0	18.5	20	-175.0	-18.5	20	-175.0	18.5	20	-155.0	-18.5	20	-155.0	18.5	20
-135.0	-18.5	20	-135.0	18.5	20	-115.0	-18.5	20	-115.0	18.5	20	-95.0	-18.5	20
-95.0	18.5	20	-75.0	-18.5	20	-75.0	18.5	20	-55.0	-18.5	20	-55.0	18.5	20
-35.0	-18.5	20	-35.0	18.5	20	-15.0	-18.5	20	-15.0	18.5	20	5.0	-18.5	20
5.0	18.5	20	25.0	-18.5	20	25.0	18.5	20	52.5	-18.5	20	52.5	18.5	20
72.5	-18.5	20	72.5	18.5	20	92.5	-18.5	20	92.5	18.5	20	112.5	-18.5	20
112.5	18.5	20	132.5	-18.5	20	132.5	18.5	20	152.5	-18.5	20	152.5	18.5	20
172.5	-18.5	20	172.5	18.5	20	192.5	-18.5	20	192.5	18.5	20	212.5	-18.5	20
212.5	18.5	20	232.5	-18.5	20	232.5	18.5	20	252.5	-18.5	20	252.5	18.5	20
272.5	-18.5	20	272.5	18.5	20	292.5	-18.5	20	292.5	18.5	20	312.5	-18.5	20
312.5	18.5	20	332.5	-18.5	20	332.5	18.5	20	352.5	-18.5	20	352.5	18.5	20
372.5	-18.5	20	372.5	18.5	20	392.5	-18.5	20	392.5	18.5	20	412.5	-18.5	20
412.5	18.5	20	432.5	-18.5	20	432.5	18.5	20	452.5	-18.5	20	452.5	18.5	20
472.5	-18.5	20	472.5	18.5	20	492.5	-18.5	20	492.5	18.5	20	512.5	-18.5	20
512.5	18.5	20	532.5	-18.5	20	532.5	18.5	20	552.5	-18.5	20	552.5	18.5	20
572.5	-18.5	20	572.5	18.5	20	592.5	-18.5	20	592.5	18.5	20	612.5	-18.5	20
612.5	18.5	20	632.5	-18.5	20	632.5	18.5	20	652.5	-18.5	20	652.5	18.5	20
672.5	-18.5	20	672.5	18.5	20	692.5	-18.5	20	692.5	18.5	20	712.5	-18.5	20
712.5	18.5	20	732.5	-18.5	20	732.5	18.5	20	752.5	-18.5	20	752.5	18.5	20
772.5	-18.5	20	772.5	18.5	20	792.5	-18.5	20	792.5	18.5	20	812.5	-18.5	20
812.5	18.5	20	832.5	-18.5	20	832.5	18.5	20	852.5	-18.5	20	852.5	18.5	20
872.5	-18.5	20	872.5	18.5	20									

Sezione a quota 185
Coordinate dei vertici

X	Y
-945.0	25.0
-945.0	278.8
-900.0	278.8
-900.0	25.0
845.0	25.0
845.0	278.8
895.0	278.8
895.0	25.0
895.0	-25.0
-945.0	-25.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-345.0	-18.5	20	-325.0	-18.5	20	-305.0	-18.5	20	-285.0	-18.5	20	-265.0	-18.5	20
-245.0	-18.5	20	-225.0	-18.5	20	-205.0	-18.5	20	-185.0	-18.5	20	-165.0	-18.5	20
-145.0	-18.5	20	-125.0	-18.5	20	-105.0	-18.5	20	-85.0	-18.5	20	-65.0	-18.5	20
-45.0	-18.5	20	-25.0	-18.5	20	-5.0	-18.5	20	15.0	-18.5	20	35.0	-18.5	20
55.0	-18.5	20	75.0	-18.5	20	95.0	-18.5	20	115.0	-18.5	20	135.0	-18.5	20
155.0	-18.5	20	175.0	-18.5	20	195.0	-18.5	20	215.0	-18.5	20	235.0	-18.5	20
255.0	-18.5	20	275.0	-18.5	20	295.0	-18.5	20	315.0	-18.5	20	335.0	-18.5	20
355.0	-18.5	20	375.0	-18.5	20	395.0	-18.5	20	415.0	-18.5	20	435.0	-18.5	20
455.0	-18.5	20	475.0	-18.5	20	495.0	-18.5	20	515.0	-18.5	20	535.0	-18.5	20
555.0	-18.5	20	575.0	-18.5	20	595.0	-18.5	20	615.0	-18.5	20	635.0	-18.5	20
655.0	-18.5	20	675.0	-18.5	20	695.0	-18.5	20	715.0	-18.5	20	735.0	-18.5	20
755.0	-18.5	20	775.0	-18.5	20	795.0	-18.5	20	815.0	-18.5	20	835.0	-18.5	20
855.0	-18.5	20	875.0	-18.5	20	-345.0	18.5	20	-325.0	18.5	20	-305.0	18.5	20
-285.0	18.5	20	-265.0	18.5	20	-245.0	18.5	20	-225.0	18.5	20	-205.0	18.5	20
-185.0	18.5	20	-165.0	18.5	20	-145.0	18.5	20	-125.0	18.5	20	-105.0	18.5	20
-85.0	18.5	20	-65.0	18.5	20	-45.0	18.5	20	-25.0	18.5	20	-5.0	18.5	20
15.0	18.5	20	35.0	18.5	20	55.0	18.5	20	75.0	18.5	20	95.0	18.5	20
115.0	18.5	20	135.0	18.5	20	155.0	18.5	20	175.0	18.5	20	195.0	18.5	20
215.0	18.5	20	235.0	18.5	20	255.0	18.5	20	275.0	18.5	20	295.0	18.5	20
315.0	18.5	20	335.0	18.5	20	355.0	18.5	20	375.0	18.5	20	395.0	18.5	20
415.0	18.5	20	435.0	18.5	20	455.0	18.5	20	475.0	18.5	20	495.0	18.5	20
515.0	18.5	20	535.0	18.5	20	555.0	18.5	20	575.0	18.5	20	595.0	18.5	20
615.0	18.5	20	635.0	18.5	20	655.0	18.5	20	675.0	18.5	20	695.0	18.5	20
715.0	18.5	20	735.0	18.5	20	755.0	18.5	20	775.0	18.5	20	795.0	18.5	20
815.0	18.5	20	835.0	18.5	20	855.0	18.5	20	875.0	18.5	20	15.1	-18.5	20
15.1	18.5	20	20.5	-18.5	20	20.5	18.5	20	30.0	-18.5	20	30.0	18.5	20
39.8	-18.5	20	39.8	18.5	20	137.2	-18.5	20	137.2	18.5	20	148.5	-18.5	20
148.5	18.5	20	117.5	-18.5	20	117.5	18.5	20	-291.0	-18.5	20	-291.0	18.5	20
-347.5	-18.5	20	-347.5	18.5	20	124.5	-18.5	20	124.5	18.5	20	101.2	-18.5	20
101.2	18.5	20	208.4	-18.5	20	208.4	18.5	20	287.5	-18.5	20	287.5	18.5	20
365.3	-18.5	20	365.3	18.5	20	109.6	-18.5	20	109.6	18.5	20	198.0	-18.5	20
198.0	18.5	20	279.4	-18.5	20	279.4	18.5	20	362.1	-18.5	20	362.1	18.5	20
128.1	-18.5	20	128.1	18.5	20	160.2	-18.5	20	160.2	18.5	20	86.5	-18.5	20
86.5	18.5	20	143.5	-18.5	20	143.5	18.5	20	-188.0	-18.5	20	-188.0	18.5	20
160.0	-18.5	20	160.0	18.5	20	346.8	-18.5	20	346.8	18.5	20	176.7	-18.5	20
176.7	18.5	20	-335.0	-18.5	20	-335.0	18.5	20	-315.0	-18.5	20	-315.0	18.5	20
-295.0	-18.5	20	-295.0	18.5	20	-275.0	-18.5	20	-275.0	18.5	20	-255.0	-18.5	20
-255.0	18.5	20	-235.0	-18.5	20	-235.0	18.5	20	-215.0	-18.5	20	-215.0	18.5	20
-195.0	-18.5	20	-195.0	18.5	20	-175.0	-18.5	20	-175.0	18.5	20	-155.0	-18.5	20

-155.0	18.5	20	-135.0	-18.5	20	-135.0	18.5	20	-115.0	-18.5	20	-115.0	18.5	20
-95.0	-18.5	20	-95.0	18.5	20	-75.0	-18.5	20	-75.0	18.5	20	-55.0	-18.5	20
-55.0	18.5	20	-35.0	-18.5	20	-35.0	18.5	20	-15.0	-18.5	20	-15.0	18.5	20
5.0	-18.5	20	5.0	18.5	20	25.0	-18.5	20	25.0	18.5	20	52.5	-18.5	20
52.5	18.5	20	72.5	-18.5	20	72.5	18.5	20	92.5	-18.5	20	92.5	18.5	20
112.5	-18.5	20	112.5	18.5	20	132.5	-18.5	20	132.5	18.5	20	152.5	-18.5	20
152.5	18.5	20	172.5	-18.5	20	172.5	18.5	20	192.5	-18.5	20	192.5	18.5	20
212.5	-18.5	20	212.5	18.5	20	232.5	-18.5	20	232.5	18.5	20	252.5	-18.5	20
252.5	18.5	20	272.5	-18.5	20	272.5	18.5	20	292.5	-18.5	20	292.5	18.5	20
312.5	-18.5	20	312.5	18.5	20	332.5	-18.5	20	332.5	18.5	20	352.5	-18.5	20
352.5	18.5	20	372.5	-18.5	20	372.5	18.5	20	392.5	-18.5	20	392.5	18.5	20
412.5	-18.5	20	412.5	18.5	20	432.5	-18.5	20	432.5	18.5	20	452.5	-18.5	20
452.5	18.5	20	472.5	-18.5	20	472.5	18.5	20	492.5	-18.5	20	492.5	18.5	20
512.5	-18.5	20	512.5	18.5	20	532.5	-18.5	20	532.5	18.5	20	552.5	-18.5	20
552.5	18.5	20	572.5	-18.5	20	572.5	18.5	20	592.5	-18.5	20	592.5	18.5	20
612.5	-18.5	20	612.5	18.5	20	632.5	-18.5	20	632.5	18.5	20	652.5	-18.5	20
652.5	18.5	20	672.5	-18.5	20	672.5	18.5	20	692.5	-18.5	20	692.5	18.5	20
712.5	-18.5	20	712.5	18.5	20	732.5	-18.5	20	732.5	18.5	20	752.5	-18.5	20
752.5	18.5	20	772.5	-18.5	20	772.5	18.5	20	792.5	-18.5	20	792.5	18.5	20
812.5	-18.5	20	812.5	18.5	20	832.5	-18.5	20	832.5	18.5	20	852.5	-18.5	20
852.5	18.5	20	872.5	-18.5	20	872.5	18.5	20			

Sezione a quota 263
Coordinate dei vertici

X	Y
-945.0	25.0
-945.0	259.3
-900.0	259.3
-900.0	25.0
845.0	25.0
845.0	259.3
895.0	259.3
895.0	25.0
895.0	-25.0
-945.0	-25.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-925.0	-18.5	20	-905.0	-18.5	20	-885.0	-18.5	20	-865.0	-18.5	20	-845.0	-18.5	20
-825.0	-18.5	20	-805.0	-18.5	20	-785.0	-18.5	20	-765.0	-18.5	20	-745.0	-18.5	20
-725.0	-18.5	20	-705.0	-18.5	20	-685.0	-18.5	20	-665.0	-18.5	20	-645.0	-18.5	20
-625.0	-18.5	20	-605.0	-18.5	20	-585.0	-18.5	20	-565.0	-18.5	20	-545.0	-18.5	20
-525.0	-18.5	20	-505.0	-18.5	20	-485.0	-18.5	20	-465.0	-18.5	20	-445.0	-18.5	20
-425.0	-18.5	20	-405.0	-18.5	20	-385.0	-18.5	20	-365.0	-18.5	20	-345.0	-18.5	20
-325.0	-18.5	20	-305.0	-18.5	20	-285.0	-18.5	20	-265.0	-18.5	20	-245.0	-18.5	20
-225.0	-18.5	20	-205.0	-18.5	20	-185.0	-18.5	20	-165.0	-18.5	20	-145.0	-18.5	20
-125.0	-18.5	20	-105.0	-18.5	20	-85.0	-18.5	20	-65.0	-18.5	20	-45.0	-18.5	20
-25.0	-18.5	20	-5.0	-18.5	20	15.0	-18.5	20	35.0	-18.5	20	55.0	-18.5	20
75.0	-18.5	20	95.0	-18.5	20	115.0	-18.5	20	135.0	-18.5	20	155.0	-18.5	20
175.0	-18.5	20	195.0	-18.5	20	215.0	-18.5	20	235.0	-18.5	20	255.0	-18.5	20
275.0	-18.5	20	295.0	-18.5	20	315.0	-18.5	20	335.0	-18.5	20	355.0	-18.5	20
375.0	-18.5	20	395.0	-18.5	20	415.0	-18.5	20	435.0	-18.5	20	455.0	-18.5	20
475.0	-18.5	20	495.0	-18.5	20	515.0	-18.5	20	535.0	-18.5	20	555.0	-18.5	20
575.0	-18.5	20	595.0	-18.5	20	615.0	-18.5	20	635.0	-18.5	20	655.0	-18.5	20
675.0	-18.5	20	695.0	-18.5	20	715.0	-18.5	20	735.0	-18.5	20	755.0	-18.5	20
775.0	-18.5	20	795.0	-18.5	20	815.0	-18.5	20	835.0	-18.5	20	855.0	-18.5	20
875.0	-18.5	20	-925.0	18.5	20	-905.0	18.5	20	-885.0	18.5	20	-865.0	18.5	20
-845.0	18.5	20	-825.0	18.5	20	-805.0	18.5	20	-785.0	18.5	20	-765.0	18.5	20
-745.0	18.5	20	-725.0	18.5	20	-705.0	18.5	20	-685.0	18.5	20	-665.0	18.5	20
-645.0	18.5	20	-625.0	18.5	20	-605.0	18.5	20	-585.0	18.5	20	-565.0	18.5	20
-545.0	18.5	20	-525.0	18.5	20	-505.0	18.5	20	-485.0	18.5	20	-465.0	18.5	20
-445.0	18.5	20	-425.0	18.5	20	-405.0	18.5	20	-385.0	18.5	20	-365.0	18.5	20
-345.0	18.5	20	-325.0	18.5	20	-305.0	18.5	20	-285.0	18.5	20	-265.0	18.5	20
-245.0	18.5	20	-225.0	18.5	20	-205.0	18.5	20	-185.0	18.5	20	-165.0	18.5	20
-145.0	18.5	20	-125.0	18.5	20	-105.0	18.5	20	-85.0	18.5	20	-65.0	18.5	20
-45.0	18.5	20	-25.0	18.5	20	-5.0	18.5	20	15.0	18.5	20	35.0	18.5	20
55.0	18.5	20	75.0	18.5	20	95.0	18.5	20	115.0	18.5	20	135.0	18.5	20
155.0	18.5	20	175.0	18.5	20	195.0	18.5	20	215.0	18.5	20	235.0	18.5	20
255.0	18.5	20	275.0	18.5	20	295.0	18.5	20	315.0	18.5	20	335.0	18.5	20
355.0	18.5	20	375.0	18.5	20	395.0	18.5	20	415.0	18.5	20	435.0	18.5	20
455.0	18.5	20	475.0	18.5	20	495.0	18.5	20	515.0	18.5	20	535.0	18.5	20
555.0	18.5	20	575.0	18.5	20	595.0	18.5	20	615.0	18.5	20	635.0	18.5	20
655.0	18.5	20	675.0	18.5	20	695.0	18.5	20	715.0	18.5	20	735.0	18.5	20
755.0	18.5	20	775.0	18.5	20	795.0	18.5	20	815.0	18.5	20	835.0	18.5	20
855.0	18.5	20	875.0	18.5	20	15.1	-18.5	20	15.1	18.5	20	20.5	-18.5	20
20.5	18.5	20	30.0	-18.5	20	30.0	18.5	20	39.8	-18.5	20	39.8	18.5	20
137.2	-18.5	20	137.2	18.5	20	148.5	-18.5	20	148.5	18.5	20	117.5	-18.5	20
117.5	18.5	20	-291.0	-18.5	20	-291.0	18.5	20	-347.5	-18.5	20	-347.5	18.5	20
124.5	-18.5	20	124.5	18.5	20	101.2	-18.5	20	101.2	18.5	20	208.4	-18.5	20
208.4	18.5	20	365.3	-18.5	20	365.3	18.5	20	109.6	-18.5	20	109.6	18.5	20
198.0	-18.5	20	198.0	18.5	20	279.4	-18.5	20	279.4	18.5	20	362.1	-18.5	20
362.1	18.5	20	128.1	-18.5	20	128.1	18.5	20	160.2	-18.5	20	160.2	18.5	20
86.5	-18.5	20	86.5	18.5	20	143.5	-18.5	20	143.5	18.5	20	-188.0	-18.5	20
-188.0	18.5	20	160.0	-18.5	20	160.0	18.5	20	346.8	-18.5	20	346.8	18.5	20
176.7	-18.5	20	176.7	18.5	20	-335.0	-18.5	20	-335.0	18.5	20	-315.0	-18.5	20
-315.0	18.5	20	-295.0	-18.5	20	-295.0	18.5	20	-275.0	-18.5	20	-275.0	18.5	20
-255.0	-18.5	20	-255.0	18.5	20	-235.0	-18.5	20	-235.0	18.5	20	-215.0	-18.5	20
-215.0	18.5	20	-195.0	-18.5	20	-195.0	18.5	20	-175.0	-18.5	20	-175.0	18.5	20
-155.0	-18.5	20	-155.0	18.5	20	-135.0	-18.5	20	-135.0	18.5	20	-115.0	-18.5	20
-115.0	18.5	20	-95.0	-18.5	20	-95.0	18.5	20	-75.0	-18.5	20	-75.0	18.5	20
-55.0	-18.5	20	-55.0	18.5	20	-35.0	-18.5	20	-35.0	18.5	20	-15.0	-18.5	20
-15.0	18.5	20	5.0	-18.5	20	5.0	18.5	20	25.0	-18.5	20	25.0	18.5	20
52.5	-18.5	20	52.5	18.5	20	72.5	-18.5	20	72.5	18.5	20	92.5	-18.5	20
92.5	18.5	20	112.5	-18.5	20	112.5	18.5	20	132.5	-18.5	20	132.5	18.5	20

Serbatoio Castellaneta - camera di manovra

152.5	-18.5	20	152.5	18.5	20	172.5	-18.5	20	172.5	18.5	20	192.5	-18.5	20
192.5	18.5	20	212.5	-18.5	20	212.5	18.5	20	232.5	-18.5	20	232.5	18.5	20
252.5	-18.5	20	252.5	18.5	20	272.5	-18.5	20	272.5	18.5	20	292.5	-18.5	20
292.5	18.5	20	312.5	-18.5	20	312.5	18.5	20	332.5	-18.5	20	332.5	18.5	20
352.5	-18.5	20	352.5	18.5	20	372.5	-18.5	20	372.5	18.5	20	392.5	-18.5	20
392.5	18.5	20	412.5	-18.5	20	412.5	18.5	20	432.5	-18.5	20	432.5	18.5	20
452.5	-18.5	20	452.5	18.5	20	472.5	-18.5	20	472.5	18.5	20	492.5	-18.5	20
492.5	18.5	20	512.5	-18.5	20	512.5	18.5	20	532.5	-18.5	20	532.5	18.5	20
552.5	-18.5	20	552.5	18.5	20	572.5	-18.5	20	572.5	18.5	20	592.5	-18.5	20
592.5	18.5	20	612.5	-18.5	20	612.5	18.5	20	632.5	-18.5	20	632.5	18.5	20
652.5	-18.5	20	652.5	18.5	20	672.5	-18.5	20	672.5	18.5	20	692.5	-18.5	20
692.5	18.5	20	712.5	-18.5	20	712.5	18.5	20	732.5	-18.5	20	732.5	18.5	20
752.5	-18.5	20	752.5	18.5	20	772.5	-18.5	20	772.5	18.5	20	792.5	-18.5	20
792.5	18.5	20	812.5	-18.5	20	812.5	18.5	20	832.5	-18.5	20	832.5	18.5	20
852.5	-18.5	20	852.5	18.5	20	872.5	-18.5	20	872.5	18.5	20			

Sezione a quota 265
Coordinate dei vertici

X	Y
-945.0	25.0
-945.0	258.8
-900.0	258.8
-900.0	25.0
845.0	25.0
845.0	258.8
895.0	258.8
895.0	25.0
895.0	-25.0
-945.0	-25.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-925.0	-18.5	20	-905.0	-18.5	20	-885.0	-18.5	20	-865.0	-18.5	20	-845.0	-18.5	20
-825.0	-18.5	20	-805.0	-18.5	20	-785.0	-18.5	20	-765.0	-18.5	20	-745.0	-18.5	20
-725.0	-18.5	20	-705.0	-18.5	20	-685.0	-18.5	20	-665.0	-18.5	20	-645.0	-18.5	20
-625.0	-18.5	20	-605.0	-18.5	20	-585.0	-18.5	20	-565.0	-18.5	20	-545.0	-18.5	20
-525.0	-18.5	20	-505.0	-18.5	20	-485.0	-18.5	20	-465.0	-18.5	20	-445.0	-18.5	20
-425.0	-18.5	20	-405.0	-18.5	20	-385.0	-18.5	20	-365.0	-18.5	20	-345.0	-18.5	20
-325.0	-18.5	20	-305.0	-18.5	20	-285.0	-18.5	20	-265.0	-18.5	20	-245.0	-18.5	20
-225.0	-18.5	20	-205.0	-18.5	20	-185.0	-18.5	20	-165.0	-18.5	20	-145.0	-18.5	20
-125.0	-18.5	20	-105.0	-18.5	20	-85.0	-18.5	20	-65.0	-18.5	20	-45.0	-18.5	20
-25.0	-18.5	20	-5.0	-18.5	20	15.0	-18.5	20	35.0	-18.5	20	55.0	-18.5	20
75.0	-18.5	20	95.0	-18.5	20	115.0	-18.5	20	135.0	-18.5	20	155.0	-18.5	20
175.0	-18.5	20	195.0	-18.5	20	215.0	-18.5	20	235.0	-18.5	20	255.0	-18.5	20
275.0	-18.5	20	295.0	-18.5	20	315.0	-18.5	20	335.0	-18.5	20	355.0	-18.5	20
375.0	-18.5	20	395.0	-18.5	20	415.0	-18.5	20	435.0	-18.5	20	455.0	-18.5	20
475.0	-18.5	20	495.0	-18.5	20	515.0	-18.5	20	535.0	-18.5	20	555.0	-18.5	20
575.0	-18.5	20	595.0	-18.5	20	615.0	-18.5	20	635.0	-18.5	20	655.0	-18.5	20
675.0	-18.5	20	695.0	-18.5	20	715.0	-18.5	20	735.0	-18.5	20	755.0	-18.5	20
775.0	-18.5	20	795.0	-18.5	20	815.0	-18.5	20	835.0	-18.5	20	855.0	-18.5	20
875.0	-18.5	20	-925.0	18.5	20	-905.0	18.5	20	-885.0	18.5	20	-865.0	18.5	20
-845.0	18.5	20	-825.0	18.5	20	-805.0	18.5	20	-785.0	18.5	20	-765.0	18.5	20
-745.0	18.5	20	-725.0	18.5	20	-705.0	18.5	20	-685.0	18.5	20	-665.0	18.5	20
-645.0	18.5	20	-625.0	18.5	20	-605.0	18.5	20	-585.0	18.5	20	-565.0	18.5	20
-545.0	18.5	20	-525.0	18.5	20	-505.0	18.5	20	-485.0	18.5	20	-465.0	18.5	20
-445.0	18.5	20	-425.0	18.5	20	-405.0	18.5	20	-385.0	18.5	20	-365.0	18.5	20
-345.0	18.5	20	-325.0	18.5	20	-305.0	18.5	20	-285.0	18.5	20	-265.0	18.5	20
-245.0	18.5	20	-225.0	18.5	20	-205.0	18.5	20	-185.0	18.5	20	-165.0	18.5	20
-145.0	18.5	20	-125.0	18.5	20	-105.0	18.5	20	-85.0	18.5	20	-65.0	18.5	20
-45.0	18.5	20	-25.0	18.5	20	-5.0	18.5	20	15.0	18.5	20	35.0	18.5	20
55.0	18.5	20	75.0	18.5	20	95.0	18.5	20	115.0	18.5	20	135.0	18.5	20
155.0	18.5	20	175.0	18.5	20	195.0	18.5	20	215.0	18.5	20	235.0	18.5	20
255.0	18.5	20	275.0	18.5	20	295.0	18.5	20	315.0	18.5	20	335.0	18.5	20
355.0	18.5	20	375.0	18.5	20	395.0	18.5	20	415.0	18.5	20	435.0	18.5	20
455.0	18.5	20	475.0	18.5	20	495.0	18.5	20	515.0	18.5	20	535.0	18.5	20
555.0	18.5	20	575.0	18.5	20	595.0	18.5	20	615.0	18.5	20	635.0	18.5	20
655.0	18.5	20	675.0	18.5	20	695.0	18.5	20	715.0	18.5	20	735.0	18.5	20
755.0	18.5	20	775.0	18.5	20	795.0	18.5	20	815.0	18.5	20	835.0	18.5	20
855.0	18.5	20	875.0	18.5	20	15.1	-18.5	20	15.1	18.5	20	20.5	-18.5	20
20.5	18.5	20	30.0	-18.5	20	30.0	18.5	20	39.8	-18.5	20	39.8	18.5	20
137.2	-18.5	20	137.2	18.5	20	148.5	-18.5	20	148.5	18.5	20	117.5	-18.5	20
117.5	18.5	20	-291.0	-18.5	20	-291.0	18.5	20	-347.5	-18.5	20	-347.5	18.5	20
124.5	-18.5	20	124.5	18.5	20	101.2	-18.5	20	101.2	18.5	20	208.4	-18.5	20
208.4	18.5	20	365.3	-18.5	20	365.3	18.5	20	109.6	-18.5	20	109.6	18.5	20
198.0	-18.5	20	198.0	18.5	20	279.4	-18.5	20	279.4	18.5	20	362.1	-18.5	20
362.1	18.5	20	128.1	-18.5	20	128.1	18.5	20	160.2	-18.5	20	160.2	18.5	20
86.5	-18.5	20	86.5	18.5	20	143.5	-18.5	20	143.5	18.5	20	-188.0	-18.5	20
-188.0	18.5	20	160.0	-18.5	20	160.0	18.5	20	346.8	-18.5	20	346.8	18.5	20
176.7	-18.5	20	176.7	18.5	20	-335.0	-18.5	20	-335.0	18.5	20	-315.0	-18.5	20
-315.0	18.5	20	-295.0	-18.5	20	-295.0	18.5	20	-275.0	-18.5	20	-275.0	18.5	20
-255.0	-18.5	20	-255.0	18.5	20	-235.0	-18.5	20	-235.0	18.5	20	-215.0	-18.5	20
-215.0	18.5	20	-195.0	-18.5	20	-195.0	18.5	20	-175.0	-18.5	20	-175.0	18.5	20
-155.0	-18.5	20	-155.0	18.5	20	-135.0	-18.5	20	-135.0	18.5	20	-115.0	-18.5	20
-115.0	18.5	20	-95.0	-18.5	20	-95.0	18.5	20	-75.0	-18.5	20	-75.0	18.5	20
-55.0	-18.5	20	-55.0	18.5	20	-35.0	-18.5	20	-35.0	18.5	20	-15.0	-18.5	20
-15.0	18.5	20	5.0	-18.5	20	5.0	18.5	20	25.0	-18.5	20	25.0	18.5	20
52.5	-18.5	20	52.5	18.5	20	72.5	-18.5	20	72.5	18.5	20	92.5	-18.5	20
92.5	18.5	20	112.5	-18.5	20	112.5	18.5	20	132.5	-18.5	20	132.5	18.5	20
152.5	-18.5	20	152.5	18.5	20	172.5	-18.5	20	172.5	18.5	20	192.5	-18.5	20
192.5	18.5	20	212.5	-18.5	20	212.5	18.5	20	232.5	-18.5	20	232.5	18.5	20
252.5	-18.5	20	252.5	18.5	20	272.5	-18.5	20	272.5	18.5	20	292.5	-18.5	20
292.5	18.5	20	312.5	-18.5	20	312.5	18.5	20	332.5	-18.5	20	332.5	18.5	20
352.5	-18.5	20	352.5	18.5	20	372.5	-18.5	20	372.5	18.5	20	392.5	-18.5	20
392.5	18.5	20	412.5	-18.5	20	412.5	18.5	20	432.5	-18.5	20	432.5	18.5	20

```
 452.5  -18.5  20   452.5   18.5  20   472.5  -18.5  20   472.5   18.5  20   492.5  -18.5  20
 492.5   18.5  20   512.5  -18.5  20   512.5   18.5  20   532.5  -18.5  20   532.5   18.5  20
 552.5  -18.5  20   552.5   18.5  20   572.5  -18.5  20   572.5   18.5  20   592.5  -18.5  20
 592.5   18.5  20   612.5  -18.5  20   612.5   18.5  20   632.5  -18.5  20   632.5   18.5  20
 652.5  -18.5  20   652.5   18.5  20   672.5  -18.5  20   672.5   18.5  20   692.5  -18.5  20
 692.5   18.5  20   712.5  -18.5  20   712.5   18.5  20   732.5  -18.5  20   732.5   18.5  20
 752.5  -18.5  20   752.5   18.5  20   772.5  -18.5  20   772.5   18.5  20   792.5  -18.5  20
 792.5   18.5  20   812.5  -18.5  20   812.5   18.5  20   832.5  -18.5  20   832.5   18.5  20
 852.5  -18.5  20   852.5   18.5  20   872.5  -18.5  20   872.5   18.5  20
```

Sezione a quota 267
Coordinate dei vertici
```
    X       Y
 -945.0    25.0
 -945.0   258.3
 -900.0   258.3
 -900.0    25.0
  845.0    25.0
  845.0   258.3
  895.0   258.3
  895.0    25.0
  895.0   -25.0
 -945.0   -25.0
```

Armature verticali
```
    X       Y     ø      X       Y     ø      X       Y     ø      X       Y     ø      X       Y     ø
 -925.0  -18.5  20  -905.0  -18.5  20  -885.0  -18.5  20  -865.0  -18.5  20  -845.0  -18.5  20
 -825.0  -18.5  20  -805.0  -18.5  20  -785.0  -18.5  20  -765.0  -18.5  20  -745.0  -18.5  20
 -725.0  -18.5  20  -705.0  -18.5  20  -685.0  -18.5  20  -665.0  -18.5  20  -645.0  -18.5  20
 -625.0  -18.5  20  -605.0  -18.5  20  -585.0  -18.5  20  -565.0  -18.5  20  -545.0  -18.5  20
 -525.0  -18.5  20  -505.0  -18.5  20  -485.0  -18.5  20  -465.0  -18.5  20  -445.0  -18.5  20
 -425.0  -18.5  20  -405.0  -18.5  20  -385.0  -18.5  20  -365.0  -18.5  20  -345.0  -18.5  20
 -325.0  -18.5  20  -305.0  -18.5  20  -285.0  -18.5  20  -265.0  -18.5  20  -245.0  -18.5  20
 -225.0  -18.5  20  -205.0  -18.5  20  -185.0  -18.5  20  -165.0  -18.5  20  -145.0  -18.5  20
 -125.0  -18.5  20  -105.0  -18.5  20   -85.0  -18.5  20   -65.0  -18.5  20   -45.0  -18.5  20
  -25.0  -18.5  20    -5.0  -18.5  20    15.0  -18.5  20    35.0  -18.5  20    55.0  -18.5  20
   75.0  -18.5  20    95.0  -18.5  20   115.0  -18.5  20   135.0  -18.5  20   155.0  -18.5  20
  175.0  -18.5  20   195.0  -18.5  20   215.0  -18.5  20   235.0  -18.5  20   255.0  -18.5  20
  275.0  -18.5  20   295.0  -18.5  20   315.0  -18.5  20   335.0  -18.5  20   355.0  -18.5  20
  375.0  -18.5  20   395.0  -18.5  20   415.0  -18.5  20   435.0  -18.5  20   455.0  -18.5  20
  475.0  -18.5  20   495.0  -18.5  20   515.0  -18.5  20   535.0  -18.5  20   555.0  -18.5  20
  575.0  -18.5  20   595.0  -18.5  20   615.0  -18.5  20   635.0  -18.5  20   655.0  -18.5  20
  675.0  -18.5  20   695.0  -18.5  20   715.0  -18.5  20   735.0  -18.5  20   755.0  -18.5  20
  775.0  -18.5  20   795.0  -18.5  20   815.0  -18.5  20   835.0  -18.5  20   855.0  -18.5  20
  875.0  -18.5  20  -925.0   18.5  20  -905.0   18.5  20  -885.0   18.5  20  -865.0   18.5  20
 -845.0   18.5  20  -825.0   18.5  20  -805.0   18.5  20  -785.0   18.5  20  -765.0   18.5  20
 -745.0   18.5  20  -725.0   18.5  20  -705.0   18.5  20  -685.0   18.5  20  -665.0   18.5  20
 -645.0   18.5  20  -625.0   18.5  20  -605.0   18.5  20  -585.0   18.5  20  -565.0   18.5  20
 -545.0   18.5  20  -525.0   18.5  20  -505.0   18.5  20  -485.0   18.5  20  -465.0   18.5  20
 -445.0   18.5  20  -425.0   18.5  20  -405.0   18.5  20  -385.0   18.5  20  -365.0   18.5  20
 -345.0   18.5  20  -325.0   18.5  20  -305.0   18.5  20  -285.0   18.5  20  -265.0   18.5  20
 -245.0   18.5  20  -225.0   18.5  20  -205.0   18.5  20  -185.0   18.5  20  -165.0   18.5  20
 -145.0   18.5  20  -125.0   18.5  20  -105.0   18.5  20   -85.0   18.5  20   -65.0   18.5  20
  -45.0   18.5  20   -25.0   18.5  20    -5.0   18.5  20    15.0   18.5  20    35.0   18.5  20
   55.0   18.5  20    75.0   18.5  20    95.0   18.5  20   115.0   18.5  20   135.0   18.5  20
  155.0   18.5  20   175.0   18.5  20   195.0   18.5  20   215.0   18.5  20   235.0   18.5  20
  255.0   18.5  20   275.0   18.5  20   295.0   18.5  20   315.0   18.5  20   335.0   18.5  20
  355.0   18.5  20   375.0   18.5  20   395.0   18.5  20   415.0   18.5  20   435.0   18.5  20
  455.0   18.5  20   475.0   18.5  20   495.0   18.5  20   515.0   18.5  20   535.0   18.5  20
  555.0   18.5  20   575.0   18.5  20   595.0   18.5  20   615.0   18.5  20   635.0   18.5  20
  655.0   18.5  20   675.0   18.5  20   695.0   18.5  20   715.0   18.5  20   735.0   18.5  20
  755.0   18.5  20   775.0   18.5  20   795.0   18.5  20   815.0   18.5  20   835.0   18.5  20
  855.0   18.5  20   875.0   18.5  20    15.1  -18.5  20    15.1   18.5  20    20.5  -18.5  20
   20.5   18.5  20    30.0  -18.5  20    30.0   18.5  20    39.8  -18.5  20    39.8   18.5  20
  137.2  -18.5  20   137.2   18.5  20   148.5  -18.5  20   148.5   18.5  20   117.5  -18.5  20
  117.5   18.5  20  -291.0  -18.5  20  -291.0   18.5  20  -347.5  -18.5  20  -347.5   18.5  20
  124.5  -18.5  20   124.5   18.5  20   101.2  -18.5  20   101.2   18.5  20   208.4  -18.5  20
  208.4   18.5  20   365.3  -18.5  20   365.3   18.5  20   109.6  -18.5  20   109.6   18.5  20
  198.0  -18.5  20   198.0   18.5  20   279.4  -18.5  20   279.4   18.5  20   362.1  -18.5  20
  362.1   18.5  20   128.1  -18.5  20   128.1   18.5  20   160.2  -18.5  20   160.2   18.5  20
   86.5  -18.5  20    86.5   18.5  20   143.5  -18.5  20   143.5   18.5  20  -188.0  -18.5  20
 -188.0   18.5  20   160.0  -18.5  20   160.0   18.5  20   346.8  -18.5  20   346.8   18.5  20
  176.7  -18.5  20   176.7   18.5  20  -335.0  -18.5  20  -335.0   18.5  20  -315.0  -18.5  20
 -315.0   18.5  20  -295.0  -18.5  20  -295.0   18.5  20  -275.0  -18.5  20  -275.0   18.5  20
 -255.0  -18.5  20  -255.0   18.5  20  -235.0  -18.5  20  -235.0   18.5  20  -215.0  -18.5  20
 -215.0   18.5  20  -195.0  -18.5  20  -195.0   18.5  20  -175.0  -18.5  20  -175.0   18.5  20
 -155.0  -18.5  20  -155.0   18.5  20  -135.0  -18.5  20  -135.0   18.5  20  -115.0  -18.5  20
 -115.0   18.5  20   -95.0  -18.5  20   -95.0   18.5  20   -75.0  -18.5  20   -75.0   18.5  20
  -55.0  -18.5  20   -55.0   18.5  20   -35.0  -18.5  20   -35.0   18.5  20   -15.0  -18.5  20
  -15.0   18.5  20     5.0  -18.5  20     5.0   18.5  20    25.0  -18.5  20    25.0   18.5  20
   52.5  -18.5  20    52.5   18.5  20    72.5  -18.5  20    72.5   18.5  20    92.5  -18.5  20
   92.5   18.5  20   112.5  -18.5  20   112.5   18.5  20   132.5  -18.5  20   132.5   18.5  20
  152.5  -18.5  20   152.5   18.5  20   172.5  -18.5  20   172.5   18.5  20   192.5  -18.5  20
  192.5   18.5  20   212.5  -18.5  20   212.5   18.5  20   232.5  -18.5  20   232.5   18.5  20
  252.5  -18.5  20   252.5   18.5  20   272.5  -18.5  20   272.5   18.5  20   292.5  -18.5  20
  292.5   18.5  20   312.5  -18.5  20   312.5   18.5  20   332.5  -18.5  20   332.5   18.5  20
  352.5  -18.5  20   352.5   18.5  20   372.5  -18.5  20   372.5   18.5  20   392.5  -18.5  20
  392.5   18.5  20   412.5  -18.5  20   412.5   18.5  20   432.5  -18.5  20   432.5   18.5  20
  452.5  -18.5  20   452.5   18.5  20   472.5  -18.5  20   472.5   18.5  20   492.5  -18.5  20
  492.5   18.5  20   512.5  -18.5  20   512.5   18.5  20   532.5  -18.5  20   532.5   18.5  20
  552.5  -18.5  20   552.5   18.5  20   572.5  -18.5  20   572.5   18.5  20   592.5  -18.5  20
  592.5   18.5  20   612.5  -18.5  20   612.5   18.5  20   632.5  -18.5  20   632.5   18.5  20
  652.5  -18.5  20   652.5   18.5  20   672.5  -18.5  20   672.5   18.5  20   692.5  -18.5  20
  692.5   18.5  20   712.5  -18.5  20   712.5   18.5  20   732.5  -18.5  20   732.5   18.5  20
```

752.5	−18.5	20	752.5	18.5	20	772.5	−18.5	20	772.5	18.5	20	792.5	−18.5	20
792.5	18.5	20	812.5	−18.5	20	812.5	18.5	20	832.5	−18.5	20	832.5	18.5	20
852.5	−18.5	20	852.5	18.5	20	872.5	−18.5	20	872.5	18.5	20			

Sezione a quota 269
Coordinate dei vertici

X	Y
−945.0	25.0
−945.0	257.8
−900.0	257.8
−900.0	25.0
845.0	25.0
845.0	257.8
895.0	257.8
895.0	25.0
895.0	−25.0
−945.0	−25.0

Armature verticali

X	Y	∅	X	Y	∅	X	Y	∅	X	Y	∅	X	Y	∅
−925.0	−18.5	20	−905.0	−18.5	20	−885.0	−18.5	20	−865.0	−18.5	20	−845.0	−18.5	20
−825.0	−18.5	20	−805.0	−18.5	20	−785.0	−18.5	20	−765.0	−18.5	20	−745.0	−18.5	20
−725.0	−18.5	20	−705.0	−18.5	20	−685.0	−18.5	20	−665.0	−18.5	20	−645.0	−18.5	20
−625.0	−18.5	20	−605.0	−18.5	20	−585.0	−18.5	20	−565.0	−18.5	20	−545.0	−18.5	20
−525.0	−18.5	20	−505.0	−18.5	20	−485.0	−18.5	20	−465.0	−18.5	20	−445.0	−18.5	20
−425.0	−18.5	20	−405.0	−18.5	20	−385.0	−18.5	20	−365.0	−18.5	20	−345.0	−18.5	20
−325.0	−18.5	20	−305.0	−18.5	20	−285.0	−18.5	20	−265.0	−18.5	20	−245.0	−18.5	20
−225.0	−18.5	20	−205.0	−18.5	20	−185.0	−18.5	20	−165.0	−18.5	20	−145.0	−18.5	20
−125.0	−18.5	20	−105.0	−18.5	20	−85.0	−18.5	20	−65.0	−18.5	20	−45.0	−18.5	20
−25.0	−18.5	20	−5.0	−18.5	20	15.0	−18.5	20	35.0	−18.5	20	55.0	−18.5	20
75.0	−18.5	20	95.0	−18.5	20	115.0	−18.5	20	135.0	−18.5	20	155.0	−18.5	20
175.0	−18.5	20	195.0	−18.5	20	215.0	−18.5	20	235.0	−18.5	20	255.0	−18.5	20
275.0	−18.5	20	295.0	−18.5	20	315.0	−18.5	20	335.0	−18.5	20	355.0	−18.5	20
375.0	−18.5	20	395.0	−18.5	20	415.0	−18.5	20	435.0	−18.5	20	455.0	−18.5	20
475.0	−18.5	20	495.0	−18.5	20	515.0	−18.5	20	535.0	−18.5	20	555.0	−18.5	20
575.0	−18.5	20	595.0	−18.5	20	615.0	−18.5	20	635.0	−18.5	20	655.0	−18.5	20
675.0	−18.5	20	695.0	−18.5	20	715.0	−18.5	20	735.0	−18.5	20	755.0	−18.5	20
775.0	−18.5	20	795.0	−18.5	20	815.0	−18.5	20	835.0	−18.5	20	855.0	−18.5	20
875.0	−18.5	20	−925.0	18.5	20	−905.0	18.5	20	−885.0	18.5	20	−865.0	18.5	20
−845.0	18.5	20	−825.0	18.5	20	−805.0	18.5	20	−785.0	18.5	20	−765.0	18.5	20
−745.0	18.5	20	−725.0	18.5	20	−705.0	18.5	20	−685.0	18.5	20	−665.0	18.5	20
−645.0	18.5	20	−625.0	18.5	20	−605.0	18.5	20	−585.0	18.5	20	−565.0	18.5	20
−545.0	18.5	20	−525.0	18.5	20	−505.0	18.5	20	−485.0	18.5	20	−465.0	18.5	20
−445.0	18.5	20	−425.0	18.5	20	−405.0	18.5	20	−385.0	18.5	20	−365.0	18.5	20
−345.0	18.5	20	−325.0	18.5	20	−305.0	18.5	20	−285.0	18.5	20	−265.0	18.5	20
−245.0	18.5	20	−225.0	18.5	20	−205.0	18.5	20	−185.0	18.5	20	−165.0	18.5	20
−145.0	18.5	20	−125.0	18.5	20	−105.0	18.5	20	−85.0	18.5	20	−65.0	18.5	20
−45.0	18.5	20	−25.0	18.5	20	−5.0	18.5	20	15.0	18.5	20	35.0	18.5	20
55.0	18.5	20	75.0	18.5	20	95.0	18.5	20	115.0	18.5	20	135.0	18.5	20
155.0	18.5	20	175.0	18.5	20	195.0	18.5	20	215.0	18.5	20	235.0	18.5	20
255.0	18.5	20	275.0	18.5	20	295.0	18.5	20	315.0	18.5	20	335.0	18.5	20
355.0	18.5	20	375.0	18.5	20	395.0	18.5	20	415.0	18.5	20	435.0	18.5	20
455.0	18.5	20	475.0	18.5	20	495.0	18.5	20	515.0	18.5	20	535.0	18.5	20
555.0	18.5	20	575.0	18.5	20	595.0	18.5	20	615.0	18.5	20	635.0	18.5	20
655.0	18.5	20	675.0	18.5	20	695.0	18.5	20	715.0	18.5	20	735.0	18.5	20
755.0	18.5	20	775.0	18.5	20	795.0	18.5	20	815.0	18.5	20	835.0	18.5	20
855.0	18.5	20	875.0	18.5	20	15.1	−18.5	20	15.1	18.5	20	20.5	−18.5	20
20.5	18.5	20	30.0	−18.5	20	30.0	18.5	20	39.8	−18.5	20	39.8	18.5	20
137.2	−18.5	20	137.2	18.5	20	148.5	−18.5	20	148.5	18.5	20	117.5	−18.5	20
117.5	18.5	20	−291.0	−18.5	20	−291.0	18.5	20	−347.5	−18.5	20	−347.5	18.5	20
124.5	−18.5	20	124.5	18.5	20	101.2	−18.5	20	101.2	18.5	20	208.4	−18.5	20
208.4	18.5	20	365.3	−18.5	20	365.3	18.5	20	109.6	−18.5	20	109.6	18.5	20
198.0	−18.5	20	198.0	18.5	20	279.4	−18.5	20	279.4	18.5	20	362.1	−18.5	20
362.1	18.5	20	128.1	−18.5	20	128.1	18.5	20	160.2	−18.5	20	160.2	18.5	20
86.5	−18.5	20	86.5	18.5	20	143.5	−18.5	20	143.5	18.5	20	−188.0	−18.5	20
−188.0	18.5	20	160.0	−18.5	20	160.0	18.5	20	346.8	−18.5	20	346.8	18.5	20
176.7	−18.5	20	176.7	18.5	20	−335.0	−18.5	20	−335.0	18.5	20	−315.0	−18.5	20
−315.0	18.5	20	−295.0	−18.5	20	−295.0	18.5	20	−275.0	−18.5	20	−275.0	18.5	20
−255.0	−18.5	20	−255.0	18.5	20	−235.0	−18.5	20	−235.0	18.5	20	−215.0	−18.5	20
−215.0	18.5	20	−195.0	−18.5	20	−195.0	18.5	20	−175.0	−18.5	20	−175.0	18.5	20
−155.0	−18.5	20	−155.0	18.5	20	−135.0	−18.5	20	−135.0	18.5	20	−115.0	−18.5	20
−115.0	18.5	20	−95.0	−18.5	20	−95.0	18.5	20	−75.0	−18.5	20	−75.0	18.5	20
−55.0	−18.5	20	−55.0	18.5	20	−35.0	−18.5	20	−35.0	18.5	20	−15.0	−18.5	20
−15.0	18.5	20	5.0	−18.5	20	5.0	18.5	20	25.0	−18.5	20	25.0	18.5	20
52.5	−18.5	20	52.5	18.5	20	72.5	−18.5	20	72.5	18.5	20	92.5	−18.5	20
92.5	18.5	20	112.5	−18.5	20	112.5	18.5	20	132.5	−18.5	20	132.5	18.5	20
152.5	−18.5	20	152.5	18.5	20	172.5	−18.5	20	172.5	18.5	20	192.5	−18.5	20
192.5	18.5	20	212.5	−18.5	20	212.5	18.5	20	232.5	−18.5	20	232.5	18.5	20
252.5	−18.5	20	252.5	18.5	20	272.5	−18.5	20	272.5	18.5	20	292.5	−18.5	20
292.5	18.5	20	312.5	−18.5	20	312.5	18.5	20	332.5	−18.5	20	332.5	18.5	20
352.5	−18.5	20	352.5	18.5	20	372.5	−18.5	20	372.5	18.5	20	392.5	−18.5	20
392.5	18.5	20	412.5	−18.5	20	412.5	18.5	20	432.5	−18.5	20	432.5	18.5	20
452.5	−18.5	20	452.5	18.5	20	472.5	−18.5	20	472.5	18.5	20	492.5	−18.5	20
492.5	18.5	20	512.5	−18.5	20	512.5	18.5	20	532.5	−18.5	20	532.5	18.5	20
552.5	−18.5	20	552.5	18.5	20	572.5	−18.5	20	572.5	18.5	20	592.5	−18.5	20
592.5	18.5	20	612.5	−18.5	20	612.5	18.5	20	632.5	−18.5	20	632.5	18.5	20
652.5	−18.5	20	652.5	18.5	20	672.5	−18.5	20	672.5	18.5	20	692.5	−18.5	20
692.5	18.5	20	712.5	−18.5	20	712.5	18.5	20	732.5	−18.5	20	732.5	18.5	20
752.5	−18.5	20	752.5	18.5	20	772.5	−18.5	20	772.5	18.5	20	792.5	−18.5	20
792.5	18.5	20	812.5	−18.5	20	812.5	18.5	20	832.5	−18.5	20	832.5	18.5	20
852.5	−18.5	20	852.5	18.5	20	872.5	−18.5	20	872.5	18.5	20			

Sezione a quota 271
Coordinate dei vertici

```
    X        Y
 -945.0    25.0
 -945.0   257.3
 -900.0   257.3
 -900.0    25.0
  845.0    25.0
  845.0   257.3
  895.0   257.3
  895.0    25.0
  895.0   -25.0
 -945.0   -25.0
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-925.0	-18.5	20	-905.0	-18.5	20	-885.0	-18.5	20	-865.0	-18.5	20	-845.0	-18.5	20
-825.0	-18.5	20	-805.0	-18.5	20	-785.0	-18.5	20	-765.0	-18.5	20	-745.0	-18.5	20
-725.0	-18.5	20	-705.0	-18.5	20	-685.0	-18.5	20	-665.0	-18.5	20	-645.0	-18.5	20
-625.0	-18.5	20	-605.0	-18.5	20	-585.0	-18.5	20	-565.0	-18.5	20	-545.0	-18.5	20
-525.0	-18.5	20	-505.0	-18.5	20	-485.0	-18.5	20	-465.0	-18.5	20	-445.0	-18.5	20
-425.0	-18.5	20	-405.0	-18.5	20	-385.0	-18.5	20	-365.0	-18.5	20	-345.0	-18.5	20
-325.0	-18.5	20	-305.0	-18.5	20	-285.0	-18.5	20	-265.0	-18.5	20	-245.0	-18.5	20
-225.0	-18.5	20	-205.0	-18.5	20	-185.0	-18.5	20	-165.0	-18.5	20	-145.0	-18.5	20
-125.0	-18.5	20	-105.0	-18.5	20	-85.0	-18.5	20	-65.0	-18.5	20	-45.0	-18.5	20
-25.0	-18.5	20	-5.0	-18.5	20	15.0	-18.5	20	35.0	-18.5	20	55.0	-18.5	20
75.0	-18.5	20	95.0	-18.5	20	115.0	-18.5	20	135.0	-18.5	20	155.0	-18.5	20
175.0	-18.5	20	195.0	-18.5	20	215.0	-18.5	20	235.0	-18.5	20	255.0	-18.5	20
275.0	-18.5	20	295.0	-18.5	20	315.0	-18.5	20	335.0	-18.5	20	355.0	-18.5	20
375.0	-18.5	20	395.0	-18.5	20	415.0	-18.5	20	435.0	-18.5	20	455.0	-18.5	20
475.0	-18.5	20	495.0	-18.5	20	515.0	-18.5	20	535.0	-18.5	20	555.0	-18.5	20
575.0	-18.5	20	595.0	-18.5	20	615.0	-18.5	20	635.0	-18.5	20	655.0	-18.5	20
675.0	-18.5	20	695.0	-18.5	20	715.0	-18.5	20	735.0	-18.5	20	755.0	-18.5	20
775.0	-18.5	20	795.0	-18.5	20	815.0	-18.5	20	835.0	-18.5	20	855.0	-18.5	20
875.0	-18.5	20	-925.0	18.5	20	-905.0	18.5	20	-885.0	18.5	20	-865.0	18.5	20
-845.0	18.5	20	-825.0	18.5	20	-805.0	18.5	20	-785.0	18.5	20	-765.0	18.5	20
-745.0	18.5	20	-725.0	18.5	20	-705.0	18.5	20	-685.0	18.5	20	-665.0	18.5	20
-645.0	18.5	20	-625.0	18.5	20	-605.0	18.5	20	-585.0	18.5	20	-565.0	18.5	20
-545.0	18.5	20	-525.0	18.5	20	-505.0	18.5	20	-485.0	18.5	20	-465.0	18.5	20
-445.0	18.5	20	-425.0	18.5	20	-405.0	18.5	20	-385.0	18.5	20	-365.0	18.5	20
-345.0	18.5	20	-325.0	18.5	20	-305.0	18.5	20	-285.0	18.5	20	-265.0	18.5	20
-245.0	18.5	20	-225.0	18.5	20	-205.0	18.5	20	-185.0	18.5	20	-165.0	18.5	20
-145.0	18.5	20	-125.0	18.5	20	-105.0	18.5	20	-85.0	18.5	20	-65.0	18.5	20
-45.0	18.5	20	-25.0	18.5	20	-5.0	18.5	20	15.0	18.5	20	35.0	18.5	20
55.0	18.5	20	75.0	18.5	20	95.0	18.5	20	115.0	18.5	20	135.0	18.5	20
155.0	18.5	20	175.0	18.5	20	195.0	18.5	20	215.0	18.5	20	235.0	18.5	20
255.0	18.5	20	275.0	18.5	20	295.0	18.5	20	315.0	18.5	20	335.0	18.5	20
355.0	18.5	20	375.0	18.5	20	395.0	18.5	20	415.0	18.5	20	435.0	18.5	20
455.0	18.5	20	475.0	18.5	20	495.0	18.5	20	515.0	18.5	20	535.0	18.5	20
555.0	18.5	20	575.0	18.5	20	595.0	18.5	20	615.0	18.5	20	635.0	18.5	20
655.0	18.5	20	675.0	18.5	20	695.0	18.5	20	715.0	18.5	20	735.0	18.5	20
755.0	18.5	20	775.0	18.5	20	795.0	18.5	20	815.0	18.5	20	835.0	18.5	20
855.0	18.5	20	875.0	18.5	20	15.1	-18.5	20	15.1	18.5	20	20.5	-18.5	20
20.5	18.5	20	30.0	-18.5	20	30.0	18.5	20	137.2	-18.5	20	137.2	18.5	20
148.5	-18.5	20	148.5	18.5	20	117.5	-18.5	20	117.5	18.5	20	-291.0	-18.5	20
-291.0	18.5	20	-347.5	-18.5	20	-347.5	18.5	20	124.5	-18.5	20	124.5	18.5	20
101.2	-18.5	20	101.2	18.5	20	208.4	-18.5	20	208.4	18.5	20	365.3	-18.5	20
365.3	18.5	20	109.6	-18.5	20	109.6	18.5	20	198.0	-18.5	20	198.0	18.5	20
279.4	-18.5	20	279.4	18.5	20	362.1	-18.5	20	362.1	18.5	20	128.1	-18.5	20
128.1	18.5	20	160.2	-18.5	20	160.2	18.5	20	86.5	-18.5	20	86.5	18.5	20
143.5	-18.5	20	143.5	18.5	20	-188.0	-18.5	20	-188.0	18.5	20	160.0	-18.5	20
160.0	18.5	20	346.8	-18.5	20	346.8	18.5	20	176.7	-18.5	20	176.7	18.5	20
-335.0	-18.5	20	-335.0	18.5	20	-315.0	-18.5	20	-315.0	18.5	20	-295.0	-18.5	20
-295.0	18.5	20	-275.0	-18.5	20	-275.0	18.5	20	-255.0	-18.5	20	-255.0	18.5	20
-235.0	-18.5	20	-235.0	18.5	20	-215.0	-18.5	20	-215.0	18.5	20	-195.0	-18.5	20
-195.0	18.5	20	-175.0	-18.5	20	-175.0	18.5	20	-155.0	-18.5	20	-155.0	18.5	20
-135.0	-18.5	20	-135.0	18.5	20	-115.0	-18.5	20	-115.0	18.5	20	-95.0	-18.5	20
-95.0	18.5	20	-75.0	-18.5	20	-75.0	18.5	20	-55.0	-18.5	20	-55.0	18.5	20
-35.0	-18.5	20	-35.0	18.5	20	-15.0	-18.5	20	-15.0	18.5	20	5.0	-18.5	20
5.0	18.5	20	25.0	-18.5	20	25.0	18.5	20						

Sezione a quota 433
Coordinate dei vertici

```
    X        Y
 -945.0    25.0
 -945.0   216.9
 -900.0   216.9
 -900.0    25.0
  845.0    25.0
  845.0   216.9
  895.0   216.9
  895.0    25.0
  895.0   -25.0
 -945.0   -25.0
```

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-925.0	-18.5	20	-905.0	-18.5	20	-885.0	-18.5	20	-865.0	-18.5	20	-845.0	-18.5	20
-825.0	-18.5	20	-805.0	-18.5	20	-785.0	-18.5	20	-765.0	-18.5	20	-745.0	-18.5	20
-725.0	-18.5	20	-705.0	-18.5	20	-685.0	-18.5	20	-665.0	-18.5	20	-645.0	-18.5	20
-625.0	-18.5	20	-605.0	-18.5	20	-585.0	-18.5	20	-565.0	-18.5	20	-545.0	-18.5	20
-525.0	-18.5	20	-505.0	-18.5	20	-485.0	-18.5	20	-465.0	-18.5	20	-445.0	-18.5	20
-425.0	-18.5	20	-405.0	-18.5	20	-385.0	-18.5	20	-365.0	-18.5	20	-345.0	-18.5	20
-325.0	-18.5	20	-305.0	-18.5	20	-285.0	-18.5	20	-265.0	-18.5	20	-245.0	-18.5	20
-225.0	-18.5	20	-205.0	-18.5	20	-185.0	-18.5	20	-165.0	-18.5	20	-145.0	-18.5	20
-125.0	-18.5	20	-105.0	-18.5	20	-85.0	-18.5	20	-65.0	-18.5	20	-45.0	-18.5	20

-25.0	-18.5	20	-5.0	-18.5	20	15.0	-18.5	20	35.0	-18.5	20	55.0	-18.5	20
75.0	-18.5	20	95.0	-18.5	20	115.0	-18.5	20	135.0	-18.5	20	155.0	-18.5	20
175.0	-18.5	20	195.0	-18.5	20	215.0	-18.5	20	235.0	-18.5	20	255.0	-18.5	20
275.0	-18.5	20	295.0	-18.5	20	315.0	-18.5	20	335.0	-18.5	20	355.0	-18.5	20
375.0	-18.5	20	395.0	-18.5	20	415.0	-18.5	20	435.0	-18.5	20	455.0	-18.5	20
475.0	-18.5	20	495.0	-18.5	20	515.0	-18.5	20	535.0	-18.5	20	555.0	-18.5	20
575.0	-18.5	20	595.0	-18.5	20	615.0	-18.5	20	635.0	-18.5	20	655.0	-18.5	20
675.0	-18.5	20	695.0	-18.5	20	715.0	-18.5	20	735.0	-18.5	20	755.0	-18.5	20
775.0	-18.5	20	795.0	-18.5	20	815.0	-18.5	20	835.0	-18.5	20	855.0	-18.5	20
875.0	-18.5	20	-925.0	18.5	20	-905.0	18.5	20	-885.0	18.5	20	-865.0	18.5	20
-845.0	18.5	20	-825.0	18.5	20	-805.0	18.5	20	-785.0	18.5	20	-765.0	18.5	20
-745.0	18.5	20	-725.0	18.5	20	-705.0	18.5	20	-685.0	18.5	20	-665.0	18.5	20
-645.0	18.5	20	-625.0	18.5	20	-605.0	18.5	20	-585.0	18.5	20	-565.0	18.5	20
-545.0	18.5	20	-525.0	18.5	20	-505.0	18.5	20	-485.0	18.5	20	-465.0	18.5	20
-445.0	18.5	20	-425.0	18.5	20	-405.0	18.5	20	-385.0	18.5	20	-365.0	18.5	20
-345.0	18.5	20	-325.0	18.5	20	-305.0	18.5	20	-285.0	18.5	20	-265.0	18.5	20
-245.0	18.5	20	-225.0	18.5	20	-205.0	18.5	20	-185.0	18.5	20	-165.0	18.5	20
-145.0	18.5	20	-125.0	18.5	20	-105.0	18.5	20	-85.0	18.5	20	-65.0	18.5	20
-45.0	18.5	20	-25.0	18.5	20	-5.0	18.5	20	15.0	18.5	20	35.0	18.5	20
55.0	18.5	20	75.0	18.5	20	95.0	18.5	20	115.0	18.5	20	135.0	18.5	20
155.0	18.5	20	175.0	18.5	20	195.0	18.5	20	215.0	18.5	20	235.0	18.5	20
255.0	18.5	20	275.0	18.5	20	295.0	18.5	20	315.0	18.5	20	335.0	18.5	20
355.0	18.5	20	375.0	18.5	20	395.0	18.5	20	415.0	18.5	20	435.0	18.5	20
455.0	18.5	20	475.0	18.5	20	495.0	18.5	20	515.0	18.5	20	535.0	18.5	20
555.0	18.5	20	575.0	18.5	20	595.0	18.5	20	615.0	18.5	20	635.0	18.5	20
655.0	18.5	20	675.0	18.5	20	695.0	18.5	20	715.0	18.5	20	735.0	18.5	20
755.0	18.5	20	775.0	18.5	20	795.0	18.5	20	815.0	18.5	20	835.0	18.5	20
855.0	18.5	20	875.0	18.5	20							

Sezione a quota 594
Coordinate dei vertici

X	Y
-945.0	25.0
-945.0	176.5
-900.0	176.5
-900.0	25.0
845.0	25.0
845.0	176.5
895.0	176.5
895.0	25.0
895.0	-25.0
-945.0	-25.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-925.0	-18.5	20	-905.0	-18.5	20	-885.0	-18.5	20	-865.0	-18.5	20	-845.0	-18.5	20
-825.0	-18.5	20	-805.0	-18.5	20	-785.0	-18.5	20	-765.0	-18.5	20	-745.0	-18.5	20
-725.0	-18.5	20	-705.0	-18.5	20	-685.0	-18.5	20	-665.0	-18.5	20	-645.0	-18.5	20
-625.0	-18.5	20	-605.0	-18.5	20	-585.0	-18.5	20	-565.0	-18.5	20	-545.0	-18.5	20
-525.0	-18.5	20	-505.0	-18.5	20	-485.0	-18.5	20	-465.0	-18.5	20	-445.0	-18.5	20
-425.0	-18.5	20	-405.0	-18.5	20	-385.0	-18.5	20	-365.0	-18.5	20	-345.0	-18.5	20
-325.0	-18.5	20	-305.0	-18.5	20	-285.0	-18.5	20	-265.0	-18.5	20	-245.0	-18.5	20
-225.0	-18.5	20	-205.0	-18.5	20	-185.0	-18.5	20	-165.0	-18.5	20	-145.0	-18.5	20
-125.0	-18.5	20	-105.0	-18.5	20	-85.0	-18.5	20	-65.0	-18.5	20	-45.0	-18.5	20
-25.0	-18.5	20	-5.0	-18.5	20	15.0	-18.5	20	35.0	-18.5	20	55.0	-18.5	20
75.0	-18.5	20	95.0	-18.5	20	115.0	-18.5	20	135.0	-18.5	20	155.0	-18.5	20
175.0	-18.5	20	195.0	-18.5	20	215.0	-18.5	20	235.0	-18.5	20	255.0	-18.5	20
275.0	-18.5	20	295.0	-18.5	20	315.0	-18.5	20	335.0	-18.5	20	355.0	-18.5	20
375.0	-18.5	20	395.0	-18.5	20	415.0	-18.5	20	435.0	-18.5	20	455.0	-18.5	20
475.0	-18.5	20	495.0	-18.5	20	515.0	-18.5	20	535.0	-18.5	20	555.0	-18.5	20
575.0	-18.5	20	595.0	-18.5	20	615.0	-18.5	20	635.0	-18.5	20	655.0	-18.5	20
675.0	-18.5	20	695.0	-18.5	20	715.0	-18.5	20	735.0	-18.5	20	755.0	-18.5	20
775.0	-18.5	20	795.0	-18.5	20	815.0	-18.5	20	835.0	-18.5	20	855.0	-18.5	20
875.0	-18.5	20	-925.0	18.5	20	-905.0	18.5	20	-885.0	18.5	20	-865.0	18.5	20
-845.0	18.5	20	-825.0	18.5	20	-805.0	18.5	20	-785.0	18.5	20	-765.0	18.5	20
-745.0	18.5	20	-725.0	18.5	20	-705.0	18.5	20	-685.0	18.5	20	-665.0	18.5	20
-645.0	18.5	20	-625.0	18.5	20	-605.0	18.5	20	-585.0	18.5	20	-565.0	18.5	20
-545.0	18.5	20	-525.0	18.5	20	-505.0	18.5	20	-485.0	18.5	20	-465.0	18.5	20
-445.0	18.5	20	-425.0	18.5	20	-405.0	18.5	20	-385.0	18.5	20	-365.0	18.5	20
-345.0	18.5	20	-325.0	18.5	20	-305.0	18.5	20	-285.0	18.5	20	-265.0	18.5	20
-245.0	18.5	20	-225.0	18.5	20	-205.0	18.5	20	-185.0	18.5	20	-165.0	18.5	20
-145.0	18.5	20	-125.0	18.5	20	-105.0	18.5	20	-85.0	18.5	20	-65.0	18.5	20
-45.0	18.5	20	-25.0	18.5	20	-5.0	18.5	20	15.0	18.5	20	35.0	18.5	20
55.0	18.5	20	75.0	18.5	20	95.0	18.5	20	115.0	18.5	20	135.0	18.5	20
155.0	18.5	20	175.0	18.5	20	195.0	18.5	20	215.0	18.5	20	235.0	18.5	20
255.0	18.5	20	275.0	18.5	20	295.0	18.5	20	315.0	18.5	20	335.0	18.5	20
355.0	18.5	20	375.0	18.5	20	395.0	18.5	20	415.0	18.5	20	435.0	18.5	20
455.0	18.5	20	475.0	18.5	20	495.0	18.5	20	515.0	18.5	20	535.0	18.5	20
555.0	18.5	20	575.0	18.5	20	595.0	18.5	20	615.0	18.5	20	635.0	18.5	20
655.0	18.5	20	675.0	18.5	20	695.0	18.5	20	715.0	18.5	20	735.0	18.5	20
755.0	18.5	20	775.0	18.5	20	795.0	18.5	20	815.0	18.5	20	835.0	18.5	20
855.0	18.5	20	875.0	18.5	20	268.3	-18.5	20	268.3	18.5	20			

Sezione a quota 596
Coordinate dei vertici

X	Y
-945.0	25.0
-945.0	176.0
-900.0	176.0
-900.0	25.0
845.0	25.0
845.0	176.0
895.0	176.0
895.0	25.0

```
  895.0    -25.0
 -945.0    -25.0
```

Armature verticali

X	Y	∅	X	Y	∅	X	Y	∅	X	Y	∅	X	Y	∅
-925.0	-18.5	20	-905.0	-18.5	20	-885.0	-18.5	20	-865.0	-18.5	20	-845.0	-18.5	20
-825.0	-18.5	20	-805.0	-18.5	20	-785.0	-18.5	20	-765.0	-18.5	20	-745.0	-18.5	20
-725.0	-18.5	20	-705.0	-18.5	20	-685.0	-18.5	20	-665.0	-18.5	20	-645.0	-18.5	20
-625.0	-18.5	20	-605.0	-18.5	20	-585.0	-18.5	20	-565.0	-18.5	20	-545.0	-18.5	20
-525.0	-18.5	20	-505.0	-18.5	20	-485.0	-18.5	20	-465.0	-18.5	20	-445.0	-18.5	20
-425.0	-18.5	20	-405.0	-18.5	20	-385.0	-18.5	20	-365.0	-18.5	20	-345.0	-18.5	20
-325.0	-18.5	20	-305.0	-18.5	20	-285.0	-18.5	20	-265.0	-18.5	20	-245.0	-18.5	20
-225.0	-18.5	20	-205.0	-18.5	20	-185.0	-18.5	20	-165.0	-18.5	20	-145.0	-18.5	20
-125.0	-18.5	20	-105.0	-18.5	20	-85.0	-18.5	20	-65.0	-18.5	20	-45.0	-18.5	20
-25.0	-18.5	20	-5.0	-18.5	20	15.0	-18.5	20	35.0	-18.5	20	55.0	-18.5	20
75.0	-18.5	20	95.0	-18.5	20	115.0	-18.5	20	135.0	-18.5	20	155.0	-18.5	20
175.0	-18.5	20	195.0	-18.5	20	215.0	-18.5	20	235.0	-18.5	20	255.0	-18.5	20
275.0	-18.5	20	295.0	-18.5	20	315.0	-18.5	20	335.0	-18.5	20	355.0	-18.5	20
375.0	-18.5	20	395.0	-18.5	20	415.0	-18.5	20	435.0	-18.5	20	455.0	-18.5	20
475.0	-18.5	20	495.0	-18.5	20	515.0	-18.5	20	535.0	-18.5	20	555.0	-18.5	20
575.0	-18.5	20	595.0	-18.5	20	615.0	-18.5	20	635.0	-18.5	20	655.0	-18.5	20
675.0	-18.5	20	695.0	-18.5	20	715.0	-18.5	20	735.0	-18.5	20	755.0	-18.5	20
775.0	-18.5	20	795.0	-18.5	20	815.0	-18.5	20	835.0	-18.5	20	855.0	-18.5	20
875.0	-18.5	20	-925.0	18.5	20	-905.0	18.5	20	-885.0	18.5	20	-865.0	18.5	20
-845.0	18.5	20	-825.0	18.5	20	-805.0	18.5	20	-785.0	18.5	20	-765.0	18.5	20
-745.0	18.5	20	-725.0	18.5	20	-705.0	18.5	20	-685.0	18.5	20	-665.0	18.5	20
-645.0	18.5	20	-625.0	18.5	20	-605.0	18.5	20	-585.0	18.5	20	-565.0	18.5	20
-545.0	18.5	20	-525.0	18.5	20	-505.0	18.5	20	-485.0	18.5	20	-465.0	18.5	20
-445.0	18.5	20	-425.0	18.5	20	-405.0	18.5	20	-385.0	18.5	20	-365.0	18.5	20
-345.0	18.5	20	-325.0	18.5	20	-305.0	18.5	20	-285.0	18.5	20	-265.0	18.5	20
-245.0	18.5	20	-225.0	18.5	20	-205.0	18.5	20	-185.0	18.5	20	-165.0	18.5	20
-145.0	18.5	20	-125.0	18.5	20	-105.0	18.5	20	-85.0	18.5	20	-65.0	18.5	20
-45.0	18.5	20	-25.0	18.5	20	-5.0	18.5	20	15.0	18.5	20	35.0	18.5	20
55.0	18.5	20	75.0	18.5	20	95.0	18.5	20	115.0	18.5	20	135.0	18.5	20
155.0	18.5	20	175.0	18.5	20	195.0	18.5	20	215.0	18.5	20	235.0	18.5	20
255.0	18.5	20	275.0	18.5	20	295.0	18.5	20	315.0	18.5	20	335.0	18.5	20
355.0	18.5	20	375.0	18.5	20	395.0	18.5	20	415.0	18.5	20	435.0	18.5	20
455.0	18.5	20	475.0	18.5	20	495.0	18.5	20	515.0	18.5	20	535.0	18.5	20
555.0	18.5	20	575.0	18.5	20	595.0	18.5	20	615.0	18.5	20	635.0	18.5	20
655.0	18.5	20	675.0	18.5	20	695.0	18.5	20	715.0	18.5	20	735.0	18.5	20
755.0	18.5	20	775.0	18.5	20	795.0	18.5	20	815.0	18.5	20	835.0	18.5	20
855.0	18.5	20	875.0	18.5	20	268.3	-18.5	20	268.3	18.5	20			

Sezione a quota 613
Coordinate dei vertici

```
     X        Y
 -945.0    25.0
 -945.0   171.9
 -900.0   171.9
 -900.0    25.0
  845.0    25.0
  845.0   171.9
  895.0   171.9
  895.0    25.0
  895.0   -25.0
 -945.0   -25.0
```

Armature verticali

X	Y	∅	X	Y	∅	X	Y	∅	X	Y	∅	X	Y	∅
-925.0	-18.5	20	-905.0	-18.5	20	-885.0	-18.5	20	-865.0	-18.5	20	-845.0	-18.5	20
-825.0	-18.5	20	-805.0	-18.5	20	-785.0	-18.5	20	-765.0	-18.5	20	-745.0	-18.5	20
-725.0	-18.5	20	-705.0	-18.5	20	-685.0	-18.5	20	-665.0	-18.5	20	-645.0	-18.5	20
-625.0	-18.5	20	-605.0	-18.5	20	-585.0	-18.5	20	-565.0	-18.5	20	-545.0	-18.5	20
-525.0	-18.5	20	-505.0	-18.5	20	-485.0	-18.5	20	-465.0	-18.5	20	-445.0	-18.5	20
-425.0	-18.5	20	-405.0	-18.5	20	-385.0	-18.5	20	-365.0	-18.5	20	-345.0	-18.5	20
-325.0	-18.5	20	-305.0	-18.5	20	-285.0	-18.5	20	-265.0	-18.5	20	-245.0	-18.5	20
-225.0	-18.5	20	-205.0	-18.5	20	-185.0	-18.5	20	-165.0	-18.5	20	-145.0	-18.5	20
-125.0	-18.5	20	-105.0	-18.5	20	-85.0	-18.5	20	-65.0	-18.5	20	-45.0	-18.5	20
-25.0	-18.5	20	-5.0	-18.5	20	15.0	-18.5	20	35.0	-18.5	20	55.0	-18.5	20
75.0	-18.5	20	95.0	-18.5	20	115.0	-18.5	20	135.0	-18.5	20	155.0	-18.5	20
175.0	-18.5	20	195.0	-18.5	20	215.0	-18.5	20	235.0	-18.5	20	255.0	-18.5	20
275.0	-18.5	20	295.0	-18.5	20	315.0	-18.5	20	335.0	-18.5	20	355.0	-18.5	20
375.0	-18.5	20	395.0	-18.5	20	415.0	-18.5	20	435.0	-18.5	20	455.0	-18.5	20
475.0	-18.5	20	495.0	-18.5	20	515.0	-18.5	20	535.0	-18.5	20	555.0	-18.5	20
575.0	-18.5	20	595.0	-18.5	20	615.0	-18.5	20	635.0	-18.5	20	655.0	-18.5	20
675.0	-18.5	20	695.0	-18.5	20	715.0	-18.5	20	735.0	-18.5	20	755.0	-18.5	20
775.0	-18.5	20	795.0	-18.5	20	815.0	-18.5	20	835.0	-18.5	20	855.0	-18.5	20
875.0	-18.5	20	-925.0	18.5	20	-905.0	18.5	20	-885.0	18.5	20	-865.0	18.5	20
-845.0	18.5	20	-825.0	18.5	20	-805.0	18.5	20	-785.0	18.5	20	-765.0	18.5	20
-745.0	18.5	20	-725.0	18.5	20	-705.0	18.5	20	-685.0	18.5	20	-665.0	18.5	20
-645.0	18.5	20	-625.0	18.5	20	-605.0	18.5	20	-585.0	18.5	20	-565.0	18.5	20
-545.0	18.5	20	-525.0	18.5	20	-505.0	18.5	20	-485.0	18.5	20	-465.0	18.5	20
-445.0	18.5	20	-425.0	18.5	20	-405.0	18.5	20	-385.0	18.5	20	-365.0	18.5	20
-345.0	18.5	20	-325.0	18.5	20	-305.0	18.5	20	-285.0	18.5	20	-265.0	18.5	20
-245.0	18.5	20	-225.0	18.5	20	-205.0	18.5	20	-185.0	18.5	20	-165.0	18.5	20
-145.0	18.5	20	-125.0	18.5	20	-105.0	18.5	20	-85.0	18.5	20	-65.0	18.5	20
-45.0	18.5	20	-25.0	18.5	20	-5.0	18.5	20	15.0	18.5	20	35.0	18.5	20
55.0	18.5	20	75.0	18.5	20	95.0	18.5	20	115.0	18.5	20	135.0	18.5	20
155.0	18.5	20	175.0	18.5	20	195.0	18.5	20	215.0	18.5	20	235.0	18.5	20
255.0	18.5	20	275.0	18.5	20	295.0	18.5	20	315.0	18.5	20	335.0	18.5	20
355.0	18.5	20	375.0	18.5	20	395.0	18.5	20	415.0	18.5	20	435.0	18.5	20
455.0	18.5	20	475.0	18.5	20	495.0	18.5	20	515.0	18.5	20	535.0	18.5	20
555.0	18.5	20	575.0	18.5	20	595.0	18.5	20	615.0	18.5	20	635.0	18.5	20
655.0	18.5	20	675.0	18.5	20	695.0	18.5	20	715.0	18.5	20	735.0	18.5	20

X	Y	∅	X	Y	∅	X	Y	∅	X	Y	∅	X	Y	∅
755.0	18.5	20	775.0	18.5	20	795.0	18.5	20	815.0	18.5	20	835.0	18.5	20
855.0	18.5	20	875.0	18.5	20	268.3	-18.5	20	268.3	18.5	20	241.1	-18.5	20
241.1	18.5	20												

Sezione a quota 629
Coordinate dei vertici

X	Y
-945.0	25.0
-945.0	167.8
-900.0	167.8
-900.0	25.0
845.0	25.0
845.0	167.8
895.0	167.8
895.0	25.0
895.0	-25.0
-945.0	-25.0

Armature verticali

X	Y	∅	X	Y	∅	X	Y	∅	X	Y	∅	X	Y	∅
-925.0	-18.5	20	-905.0	-18.5	20	-885.0	-18.5	20	-865.0	-18.5	20	-845.0	-18.5	20
-825.0	-18.5	20	-805.0	-18.5	20	-785.0	-18.5	20	-765.0	-18.5	20	-745.0	-18.5	20
-725.0	-18.5	20	-705.0	-18.5	20	-685.0	-18.5	20	-665.0	-18.5	20	-645.0	-18.5	20
-625.0	-18.5	20	-605.0	-18.5	20	-585.0	-18.5	20	-565.0	-18.5	20	-545.0	-18.5	20
-525.0	-18.5	20	-505.0	-18.5	20	-485.0	-18.5	20	-465.0	-18.5	20	-445.0	-18.5	20
-425.0	-18.5	20	-405.0	-18.5	20	-385.0	-18.5	20	-365.0	-18.5	20	-345.0	-18.5	20
-325.0	-18.5	20	-305.0	-18.5	20	-285.0	-18.5	20	-265.0	-18.5	20	-245.0	-18.5	20
-225.0	-18.5	20	-205.0	-18.5	20	-185.0	-18.5	20	-165.0	-18.5	20	-145.0	-18.5	20
-125.0	-18.5	20	-105.0	-18.5	20	-85.0	-18.5	20	-65.0	-18.5	20	-45.0	-18.5	20
-25.0	-18.5	20	-5.0	-18.5	20	15.0	-18.5	20	35.0	-18.5	20	55.0	-18.5	20
75.0	-18.5	20	95.0	-18.5	20	115.0	-18.5	20	135.0	-18.5	20	155.0	-18.5	20
175.0	-18.5	20	195.0	-18.5	20	215.0	-18.5	20	235.0	-18.5	20	255.0	-18.5	20
275.0	-18.5	20	295.0	-18.5	20	315.0	-18.5	20	335.0	-18.5	20	355.0	-18.5	20
375.0	-18.5	20	395.0	-18.5	20	415.0	-18.5	20	435.0	-18.5	20	455.0	-18.5	20
475.0	-18.5	20	495.0	-18.5	20	515.0	-18.5	20	535.0	-18.5	20	555.0	-18.5	20
575.0	-18.5	20	595.0	-18.5	20	615.0	-18.5	20	635.0	-18.5	20	655.0	-18.5	20
675.0	-18.5	20	695.0	-18.5	20	715.0	-18.5	20	735.0	-18.5	20	755.0	-18.5	20
775.0	-18.5	20	795.0	-18.5	20	815.0	-18.5	20	835.0	-18.5	20	855.0	-18.5	20
875.0	-18.5	20	-925.0	18.5	20	-905.0	18.5	20	-885.0	18.5	20	-865.0	18.5	20
-845.0	18.5	20	-825.0	18.5	20	-805.0	18.5	20	-785.0	18.5	20	-765.0	18.5	20
-745.0	18.5	20	-725.0	18.5	20	-705.0	18.5	20	-685.0	18.5	20	-665.0	18.5	20
-645.0	18.5	20	-625.0	18.5	20	-605.0	18.5	20	-585.0	18.5	20	-565.0	18.5	20
-545.0	18.5	20	-525.0	18.5	20	-505.0	18.5	20	-485.0	18.5	20	-465.0	18.5	20
-445.0	18.5	20	-425.0	18.5	20	-405.0	18.5	20	-385.0	18.5	20	-365.0	18.5	20
-345.0	18.5	20	-325.0	18.5	20	-305.0	18.5	20	-285.0	18.5	20	-265.0	18.5	20
-245.0	18.5	20	-225.0	18.5	20	-205.0	18.5	20	-185.0	18.5	20	-165.0	18.5	20
-145.0	18.5	20	-125.0	18.5	20	-105.0	18.5	20	-85.0	18.5	20	-65.0	18.5	20
-45.0	18.5	20	-25.0	18.5	20	-5.0	18.5	20	15.0	18.5	20	35.0	18.5	20
55.0	18.5	20	75.0	18.5	20	95.0	18.5	20	115.0	18.5	20	135.0	18.5	20
155.0	18.5	20	175.0	18.5	20	195.0	18.5	20	215.0	18.5	20	235.0	18.5	20
255.0	18.5	20	275.0	18.5	20	295.0	18.5	20	315.0	18.5	20	335.0	18.5	20
355.0	18.5	20	375.0	18.5	20	395.0	18.5	20	415.0	18.5	20	435.0	18.5	20
455.0	18.5	20	475.0	18.5	20	495.0	18.5	20	515.0	18.5	20	535.0	18.5	20
555.0	18.5	20	575.0	18.5	20	595.0	18.5	20	615.0	18.5	20	635.0	18.5	20
655.0	18.5	20	675.0	18.5	20	695.0	18.5	20	715.0	18.5	20	735.0	18.5	20
755.0	18.5	20	775.0	18.5	20	795.0	18.5	20	815.0	18.5	20	835.0	18.5	20
855.0	18.5	20	875.0	18.5	20	268.3	-18.5	20	268.3	18.5	20	241.1	-18.5	20
241.1	18.5	20												

Sezione a quota 631
Coordinate dei vertici

X	Y
-945.0	25.0
-945.0	167.3
-900.0	167.3
-900.0	25.0
845.0	25.0
845.0	167.3
895.0	167.3
895.0	25.0
895.0	-25.0
-945.0	-25.0

Armature verticali

X	Y	∅	X	Y	∅	X	Y	∅	X	Y	∅	X	Y	∅
-925.0	-18.5	20	-905.0	-18.5	20	-885.0	-18.5	20	-865.0	-18.5	20	-845.0	-18.5	20
-825.0	-18.5	20	-805.0	-18.5	20	-785.0	-18.5	20	-765.0	-18.5	20	-745.0	-18.5	20
-725.0	-18.5	20	-705.0	-18.5	20	-685.0	-18.5	20	-665.0	-18.5	20	-645.0	-18.5	20
-625.0	-18.5	20	-605.0	-18.5	20	-585.0	-18.5	20	-565.0	-18.5	20	-545.0	-18.5	20
-525.0	-18.5	20	-505.0	-18.5	20	-485.0	-18.5	20	-465.0	-18.5	20	-445.0	-18.5	20
-425.0	-18.5	20	-405.0	-18.5	20	-385.0	-18.5	20	-365.0	-18.5	20	-345.0	-18.5	20
-325.0	-18.5	20	-305.0	-18.5	20	-285.0	-18.5	20	-265.0	-18.5	20	-245.0	-18.5	20
-225.0	-18.5	20	-205.0	-18.5	20	-185.0	-18.5	20	-165.0	-18.5	20	-145.0	-18.5	20
-125.0	-18.5	20	-105.0	-18.5	20	-85.0	-18.5	20	-65.0	-18.5	20	-45.0	-18.5	20
-25.0	-18.5	20	-5.0	-18.5	20	15.0	-18.5	20	35.0	-18.5	20	55.0	-18.5	20
75.0	-18.5	20	95.0	-18.5	20	115.0	-18.5	20	135.0	-18.5	20	155.0	-18.5	20
175.0	-18.5	20	195.0	-18.5	20	215.0	-18.5	20	235.0	-18.5	20	255.0	-18.5	20
275.0	-18.5	20	295.0	-18.5	20	315.0	-18.5	20	335.0	-18.5	20	355.0	-18.5	20
375.0	-18.5	20	395.0	-18.5	20	415.0	-18.5	20	435.0	-18.5	20	455.0	-18.5	20
475.0	-18.5	20	495.0	-18.5	20	515.0	-18.5	20	535.0	-18.5	20	555.0	-18.5	20
575.0	-18.5	20	595.0	-18.5	20	615.0	-18.5	20	635.0	-18.5	20	655.0	-18.5	20
675.0	-18.5	20	695.0	-18.5	20	715.0	-18.5	20	735.0	-18.5	20	755.0	-18.5	20
775.0	-18.5	20	795.0	-18.5	20	815.0	-18.5	20	835.0	-18.5	20	855.0	-18.5	20
875.0	-18.5	20	-925.0	18.5	20	-905.0	18.5	20	-885.0	18.5	20	-865.0	18.5	20

−845.0	18.5	20	−825.0	18.5	20	−805.0	18.5	20	−785.0	18.5	20	−765.0	18.5	20
−745.0	18.5	20	−725.0	18.5	20	−705.0	18.5	20	−685.0	18.5	20	−665.0	18.5	20
−645.0	18.5	20	−625.0	18.5	20	−605.0	18.5	20	−585.0	18.5	20	−565.0	18.5	20
−545.0	18.5	20	−525.0	18.5	20	−505.0	18.5	20	−485.0	18.5	20	−465.0	18.5	20
−445.0	18.5	20	−425.0	18.5	20	−405.0	18.5	20	−385.0	18.5	20	−365.0	18.5	20
−345.0	18.5	20	−325.0	18.5	20	−305.0	18.5	20	−285.0	18.5	20	−265.0	18.5	20
−245.0	18.5	20	−225.0	18.5	20	−205.0	18.5	20	−185.0	18.5	20	−165.0	18.5	20
−145.0	18.5	20	−125.0	18.5	20	−105.0	18.5	20	−85.0	18.5	20	−65.0	18.5	20
−45.0	18.5	20	−25.0	18.5	20	−5.0	18.5	20	15.0	18.5	20	35.0	18.5	20
55.0	18.5	20	75.0	18.5	20	95.0	18.5	20	115.0	18.5	20	135.0	18.5	20
155.0	18.5	20	175.0	18.5	20	195.0	18.5	20	215.0	18.5	20	235.0	18.5	20
255.0	18.5	20	275.0	18.5	20	295.0	18.5	20	315.0	18.5	20	335.0	18.5	20
355.0	18.5	20	375.0	18.5	20	395.0	18.5	20	415.0	18.5	20	435.0	18.5	20
455.0	18.5	20	475.0	18.5	20	495.0	18.5	20	515.0	18.5	20	535.0	18.5	20
555.0	18.5	20	575.0	18.5	20	595.0	18.5	20	615.0	18.5	20	635.0	18.5	20
655.0	18.5	20	675.0	18.5	20	695.0	18.5	20	715.0	18.5	20	735.0	18.5	20
755.0	18.5	20	775.0	18.5	20	795.0	18.5	20	815.0	18.5	20	835.0	18.5	20
855.0	18.5	20	875.0	18.5	20	268.3	−18.5	20	268.3	18.5	20	241.1	−18.5	20
241.1	18.5	20												

Sezione a quota 679
Coordinate dei vertici

X	Y
−945.0	25.0
−945.0	155.4
−900.0	155.4
−900.0	25.0
845.0	25.0
845.0	155.4
895.0	155.4
895.0	25.0
895.0	−25.0
−945.0	−25.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
−925.0	−18.5	20	−905.0	−18.5	20	−885.0	−18.5	20	−865.0	−18.5	20	−845.0	−18.5	20
−825.0	−18.5	20	−805.0	−18.5	20	−785.0	−18.5	20	−765.0	−18.5	20	−745.0	−18.5	20
−725.0	−18.5	20	−705.0	−18.5	20	−685.0	−18.5	20	−665.0	−18.5	20	−645.0	−18.5	20
−625.0	−18.5	20	−605.0	−18.5	20	−585.0	−18.5	20	−565.0	−18.5	20	−545.0	−18.5	20
−525.0	−18.5	20	−505.0	−18.5	20	−485.0	−18.5	20	−465.0	−18.5	20	−445.0	−18.5	20
−425.0	−18.5	20	−405.0	−18.5	20	−385.0	−18.5	20	−365.0	−18.5	20	−345.0	−18.5	20
−325.0	−18.5	20	−305.0	−18.5	20	−285.0	−18.5	20	−265.0	−18.5	20	−245.0	−18.5	20
−225.0	−18.5	20	−205.0	−18.5	20	−185.0	−18.5	20	−165.0	−18.5	20	−145.0	−18.5	20
−125.0	−18.5	20	−105.0	−18.5	20	−85.0	−18.5	20	−65.0	−18.5	20	−45.0	−18.5	20
−25.0	−18.5	20	−5.0	−18.5	20	15.0	−18.5	20	35.0	−18.5	20	55.0	−18.5	20
75.0	−18.5	20	95.0	−18.5	20	115.0	−18.5	20	135.0	−18.5	20	155.0	−18.5	20
175.0	−18.5	20	195.0	−18.5	20	215.0	−18.5	20	235.0	−18.5	20	255.0	−18.5	20
275.0	−18.5	20	295.0	−18.5	20	315.0	−18.5	20	335.0	−18.5	20	355.0	−18.5	20
375.0	−18.5	20	395.0	−18.5	20	415.0	−18.5	20	435.0	−18.5	20	455.0	−18.5	20
475.0	−18.5	20	495.0	−18.5	20	515.0	−18.5	20	535.0	−18.5	20	555.0	−18.5	20
575.0	−18.5	20	595.0	−18.5	20	615.0	−18.5	20	635.0	−18.5	20	655.0	−18.5	20
675.0	−18.5	20	695.0	−18.5	20	715.0	−18.5	20	735.0	−18.5	20	755.0	−18.5	20
775.0	−18.5	20	795.0	−18.5	20	815.0	−18.5	20	835.0	−18.5	20	855.0	−18.5	20
875.0	−18.5	20	−925.0	18.5	20	−905.0	18.5	20	−885.0	18.5	20	−865.0	18.5	20
−845.0	18.5	20	−825.0	18.5	20	−805.0	18.5	20	−785.0	18.5	20	−765.0	18.5	20
−745.0	18.5	20	−725.0	18.5	20	−705.0	18.5	20	−685.0	18.5	20	−665.0	18.5	20
−645.0	18.5	20	−625.0	18.5	20	−605.0	18.5	20	−585.0	18.5	20	−565.0	18.5	20
−545.0	18.5	20	−525.0	18.5	20	−505.0	18.5	20	−485.0	18.5	20	−465.0	18.5	20
−445.0	18.5	20	−425.0	18.5	20	−405.0	18.5	20	−385.0	18.5	20	−365.0	18.5	20
−345.0	18.5	20	−325.0	18.5	20	−305.0	18.5	20	−285.0	18.5	20	−265.0	18.5	20
−245.0	18.5	20	−225.0	18.5	20	−205.0	18.5	20	−185.0	18.5	20	−165.0	18.5	20
−145.0	18.5	20	−125.0	18.5	20	−105.0	18.5	20	−85.0	18.5	20	−65.0	18.5	20
−45.0	18.5	20	−25.0	18.5	20	−5.0	18.5	20	15.0	18.5	20	35.0	18.5	20
55.0	18.5	20	75.0	18.5	20	95.0	18.5	20	115.0	18.5	20	135.0	18.5	20
155.0	18.5	20	175.0	18.5	20	195.0	18.5	20	215.0	18.5	20	235.0	18.5	20
255.0	18.5	20	275.0	18.5	20	295.0	18.5	20	315.0	18.5	20	335.0	18.5	20
355.0	18.5	20	375.0	18.5	20	395.0	18.5	20	415.0	18.5	20	435.0	18.5	20
455.0	18.5	20	475.0	18.5	20	495.0	18.5	20	515.0	18.5	20	535.0	18.5	20
555.0	18.5	20	575.0	18.5	20	595.0	18.5	20	615.0	18.5	20	635.0	18.5	20
655.0	18.5	20	675.0	18.5	20	695.0	18.5	20	715.0	18.5	20	735.0	18.5	20
755.0	18.5	20	775.0	18.5	20	795.0	18.5	20	815.0	18.5	20	835.0	18.5	20
855.0	18.5	20	875.0	18.5	20	177.5	−18.5	20	177.5	18.5	20	−767.8	−18.5	20
−767.8	18.5	20	220.3	−18.5	20	220.3	18.5	20	268.3	−18.5	20	268.3	18.5	20
241.1	−18.5	20	241.1	18.5	20	203.3	−18.5	20	203.3	18.5	20			

Sezione a quota 726
Coordinate dei vertici

X	Y
−945.0	25.0
−945.0	143.5
−900.0	143.5
−900.0	25.0
845.0	25.0
845.0	143.5
895.0	143.5
895.0	25.0
895.0	−25.0
−945.0	−25.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
−925.0	−18.5	20	−905.0	−18.5	20	−885.0	−18.5	20	−865.0	−18.5	20	−845.0	−18.5	20
−825.0	−18.5	20	−805.0	−18.5	20	−785.0	−18.5	20	−765.0	−18.5	20	−745.0	−18.5	20

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-725.0	-18.5	20	-705.0	-18.5	20	-685.0	-18.5	20	-665.0	-18.5	20	-645.0	-18.5	20
-625.0	-18.5	20	-605.0	-18.5	20	-585.0	-18.5	20	-565.0	-18.5	20	-545.0	-18.5	20
-525.0	-18.5	20	-505.0	-18.5	20	-485.0	-18.5	20	-465.0	-18.5	20	-445.0	-18.5	20
-425.0	-18.5	20	-405.0	-18.5	20	-385.0	-18.5	20	-365.0	-18.5	20	-345.0	-18.5	20
-325.0	-18.5	20	-305.0	-18.5	20	-285.0	-18.5	20	-265.0	-18.5	20	-245.0	-18.5	20
-225.0	-18.5	20	-205.0	-18.5	20	-185.0	-18.5	20	-165.0	-18.5	20	-145.0	-18.5	20
-125.0	-18.5	20	-105.0	-18.5	20	-85.0	-18.5	20	-65.0	-18.5	20	-45.0	-18.5	20
-25.0	-18.5	20	-5.0	-18.5	20	15.0	-18.5	20	35.0	-18.5	20	55.0	-18.5	20
75.0	-18.5	20	95.0	-18.5	20	115.0	-18.5	20	135.0	-18.5	20	155.0	-18.5	20
175.0	-18.5	20	195.0	-18.5	20	215.0	-18.5	20	235.0	-18.5	20	255.0	-18.5	20
275.0	-18.5	20	295.0	-18.5	20	315.0	-18.5	20	335.0	-18.5	20	355.0	-18.5	20
375.0	-18.5	20	395.0	-18.5	20	415.0	-18.5	20	435.0	-18.5	20	455.0	-18.5	20
475.0	-18.5	20	495.0	-18.5	20	515.0	-18.5	20	535.0	-18.5	20	555.0	-18.5	20
575.0	-18.5	20	595.0	-18.5	20	615.0	-18.5	20	635.0	-18.5	20	655.0	-18.5	20
675.0	-18.5	20	695.0	-18.5	20	715.0	-18.5	20	735.0	-18.5	20	755.0	-18.5	20
775.0	-18.5	20	795.0	-18.5	20	815.0	-18.5	20	835.0	-18.5	20	855.0	-18.5	20
875.0	-18.5	20	-925.0	18.5	20	-905.0	18.5	20	-885.0	18.5	20	-865.0	18.5	20
-845.0	18.5	20	-825.0	18.5	20	-805.0	18.5	20	-785.0	18.5	20	-765.0	18.5	20
-745.0	18.5	20	-725.0	18.5	20	-705.0	18.5	20	-685.0	18.5	20	-665.0	18.5	20
-645.0	18.5	20	-625.0	18.5	20	-605.0	18.5	20	-585.0	18.5	20	-565.0	18.5	20
-545.0	18.5	20	-525.0	18.5	20	-505.0	18.5	20	-485.0	18.5	20	-465.0	18.5	20
-445.0	18.5	20	-425.0	18.5	20	-405.0	18.5	20	-385.0	18.5	20	-365.0	18.5	20
-345.0	18.5	20	-325.0	18.5	20	-305.0	18.5	20	-285.0	18.5	20	-265.0	18.5	20
-245.0	18.5	20	-225.0	18.5	20	-205.0	18.5	20	-185.0	18.5	20	-165.0	18.5	20
-145.0	18.5	20	-125.0	18.5	20	-105.0	18.5	20	-85.0	18.5	20	-65.0	18.5	20
-45.0	18.5	20	-25.0	18.5	20	-5.0	18.5	20	15.0	18.5	20	35.0	18.5	20
55.0	18.5	20	75.0	18.5	20	95.0	18.5	20	115.0	18.5	20	135.0	18.5	20
155.0	18.5	20	175.0	18.5	20	195.0	18.5	20	215.0	18.5	20	235.0	18.5	20
255.0	18.5	20	275.0	18.5	20	295.0	18.5	20	315.0	18.5	20	335.0	18.5	20
355.0	18.5	20	375.0	18.5	20	395.0	18.5	20	415.0	18.5	20	435.0	18.5	20
455.0	18.5	20	475.0	18.5	20	495.0	18.5	20	515.0	18.5	20	535.0	18.5	20
555.0	18.5	20	575.0	18.5	20	595.0	18.5	20	615.0	18.5	20	635.0	18.5	20
655.0	18.5	20	675.0	18.5	20	695.0	18.5	20	715.0	18.5	20	735.0	18.5	20
755.0	18.5	20	775.0	18.5	20	795.0	18.5	20	815.0	18.5	20	835.0	18.5	20
855.0	18.5	20	875.0	18.5	20	177.5	-18.5	20	177.5	18.5	20	-270.9	-18.5	20
-270.9	18.5	20	-767.8	-18.5	20	-767.8	18.5	20	220.3	-18.5	20	220.3	18.5	20
268.3	-18.5	20	268.3	18.5	20	241.1	-18.5	20	241.1	18.5	20	203.3	-18.5	20
203.3	18.5	20												

Sezione a quota 728
Coordinate dei vertici

X	Y
-945.0	25.0
-945.0	143.0
-900.0	143.0
-900.0	25.0
845.0	25.0
845.0	143.0
895.0	143.0
895.0	25.0
895.0	-25.0
-945.0	-25.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-925.0	-18.5	20	-905.0	-18.5	20	-885.0	-18.5	20	-865.0	-18.5	20	-845.0	-18.5	20
-825.0	-18.5	20	-805.0	-18.5	20	-785.0	-18.5	20	-765.0	-18.5	20	-745.0	-18.5	20
-725.0	-18.5	20	-705.0	-18.5	20	-685.0	-18.5	20	-665.0	-18.5	20	-645.0	-18.5	20
-625.0	-18.5	20	-605.0	-18.5	20	-585.0	-18.5	20	-565.0	-18.5	20	-545.0	-18.5	20
-525.0	-18.5	20	-505.0	-18.5	20	-485.0	-18.5	20	-465.0	-18.5	20	-445.0	-18.5	20
-425.0	-18.5	20	-405.0	-18.5	20	-385.0	-18.5	20	-365.0	-18.5	20	-345.0	-18.5	20
-325.0	-18.5	20	-305.0	-18.5	20	-285.0	-18.5	20	-265.0	-18.5	20	-245.0	-18.5	20
-225.0	-18.5	20	-205.0	-18.5	20	-185.0	-18.5	20	-165.0	-18.5	20	-145.0	-18.5	20
-125.0	-18.5	20	-105.0	-18.5	20	-85.0	-18.5	20	-65.0	-18.5	20	-45.0	-18.5	20
-25.0	-18.5	20	-5.0	-18.5	20	15.0	-18.5	20	35.0	-18.5	20	55.0	-18.5	20
75.0	-18.5	20	95.0	-18.5	20	115.0	-18.5	20	135.0	-18.5	20	155.0	-18.5	20
175.0	-18.5	20	195.0	-18.5	20	215.0	-18.5	20	235.0	-18.5	20	255.0	-18.5	20
275.0	-18.5	20	295.0	-18.5	20	315.0	-18.5	20	335.0	-18.5	20	355.0	-18.5	20
375.0	-18.5	20	395.0	-18.5	20	415.0	-18.5	20	435.0	-18.5	20	455.0	-18.5	20
475.0	-18.5	20	495.0	-18.5	20	515.0	-18.5	20	535.0	-18.5	20	555.0	-18.5	20
575.0	-18.5	20	595.0	-18.5	20	615.0	-18.5	20	635.0	-18.5	20	655.0	-18.5	20
675.0	-18.5	20	695.0	-18.5	20	715.0	-18.5	20	735.0	-18.5	20	755.0	-18.5	20
775.0	-18.5	20	795.0	-18.5	20	815.0	-18.5	20	835.0	-18.5	20	855.0	-18.5	20
875.0	-18.5	20	-925.0	18.5	20	-905.0	18.5	20	-885.0	18.5	20	-865.0	18.5	20
-845.0	18.5	20	-825.0	18.5	20	-805.0	18.5	20	-785.0	18.5	20	-765.0	18.5	20
-745.0	18.5	20	-725.0	18.5	20	-705.0	18.5	20	-685.0	18.5	20	-665.0	18.5	20
-645.0	18.5	20	-625.0	18.5	20	-605.0	18.5	20	-585.0	18.5	20	-565.0	18.5	20
-545.0	18.5	20	-525.0	18.5	20	-505.0	18.5	20	-485.0	18.5	20	-465.0	18.5	20
-445.0	18.5	20	-425.0	18.5	20	-405.0	18.5	20	-385.0	18.5	20	-365.0	18.5	20
-345.0	18.5	20	-325.0	18.5	20	-305.0	18.5	20	-285.0	18.5	20	-265.0	18.5	20
-245.0	18.5	20	-225.0	18.5	20	-205.0	18.5	20	-185.0	18.5	20	-165.0	18.5	20
-145.0	18.5	20	-125.0	18.5	20	-105.0	18.5	20	-85.0	18.5	20	-65.0	18.5	20
-45.0	18.5	20	-25.0	18.5	20	-5.0	18.5	20	15.0	18.5	20	35.0	18.5	20
55.0	18.5	20	75.0	18.5	20	95.0	18.5	20	115.0	18.5	20	135.0	18.5	20
155.0	18.5	20	175.0	18.5	20	195.0	18.5	20	215.0	18.5	20	235.0	18.5	20
255.0	18.5	20	275.0	18.5	20	295.0	18.5	20	315.0	18.5	20	335.0	18.5	20
355.0	18.5	20	375.0	18.5	20	395.0	18.5	20	415.0	18.5	20	435.0	18.5	20
455.0	18.5	20	475.0	18.5	20	495.0	18.5	20	515.0	18.5	20	535.0	18.5	20
555.0	18.5	20	575.0	18.5	20	595.0	18.5	20	615.0	18.5	20	635.0	18.5	20
655.0	18.5	20	675.0	18.5	20	695.0	18.5	20	715.0	18.5	20	735.0	18.5	20
755.0	18.5	20	775.0	18.5	20	795.0	18.5	20	815.0	18.5	20	835.0	18.5	20
855.0	18.5	20	875.0	18.5	20	177.5	-18.5	20	177.5	18.5	20	-270.9	-18.5	20
-270.9	18.5	20	-767.8	-18.5	20	-767.8	18.5	20	199.5	-18.5	20	199.5	18.5	20
220.3	-18.5	20	220.3	18.5	20	268.3	-18.5	20	268.3	18.5	20	241.1	-18.5	20

```
 241.1    18.5   20    203.3   -18.5   20    203.3    18.5   20
```

Sezione a quota 729
Coordinate dei vertici
```
     X        Y
  -945.0    25.0
  -945.0   142.9
  -900.0   142.9
  -900.0    25.0
   845.0    25.0
   845.0   142.9
   895.0   142.9
   895.0    25.0
   895.0   -25.0
  -945.0   -25.0
```

Armature verticali
```
     X        Y      ø       X        Y      ø       X        Y      ø       X        Y      ø       X        Y      ø
  -925.0   -18.5   20    -905.0   -18.5   20    -885.0   -18.5   20    -865.0   -18.5   20    -845.0   -18.5   20
  -825.0   -18.5   20    -805.0   -18.5   20    -785.0   -18.5   20    -765.0   -18.5   20    -745.0   -18.5   20
  -725.0   -18.5   20    -705.0   -18.5   20    -685.0   -18.5   20    -665.0   -18.5   20    -645.0   -18.5   20
  -625.0   -18.5   20    -605.0   -18.5   20    -585.0   -18.5   20    -565.0   -18.5   20    -545.0   -18.5   20
  -525.0   -18.5   20    -505.0   -18.5   20    -485.0   -18.5   20    -465.0   -18.5   20    -445.0   -18.5   20
  -425.0   -18.5   20    -405.0   -18.5   20    -385.0   -18.5   20    -365.0   -18.5   20    -345.0   -18.5   20
  -325.0   -18.5   20    -305.0   -18.5   20    -285.0   -18.5   20    -265.0   -18.5   20    -245.0   -18.5   20
  -225.0   -18.5   20    -205.0   -18.5   20    -185.0   -18.5   20    -165.0   -18.5   20    -145.0   -18.5   20
  -125.0   -18.5   20    -105.0   -18.5   20     -85.0   -18.5   20     -65.0   -18.5   20     -45.0   -18.5   20
   -25.0   -18.5   20      -5.0   -18.5   20      15.0   -18.5   20      35.0   -18.5   20      55.0   -18.5   20
    75.0   -18.5   20      95.0   -18.5   20     115.0   -18.5   20     135.0   -18.5   20     155.0   -18.5   20
   175.0   -18.5   20     195.0   -18.5   20     215.0   -18.5   20     235.0   -18.5   20     255.0   -18.5   20
   275.0   -18.5   20     295.0   -18.5   20     315.0   -18.5   20     335.0   -18.5   20     355.0   -18.5   20
   375.0   -18.5   20     395.0   -18.5   20     415.0   -18.5   20     435.0   -18.5   20     455.0   -18.5   20
   475.0   -18.5   20     495.0   -18.5   20     515.0   -18.5   20     535.0   -18.5   20     555.0   -18.5   20
   575.0   -18.5   20     595.0   -18.5   20     615.0   -18.5   20     635.0   -18.5   20     655.0   -18.5   20
   675.0   -18.5   20     695.0   -18.5   20     715.0   -18.5   20     735.0   -18.5   20     755.0   -18.5   20
   775.0   -18.5   20     795.0   -18.5   20     815.0   -18.5   20     835.0   -18.5   20     855.0   -18.5   20
   875.0   -18.5   20    -925.0    18.5   20    -905.0    18.5   20    -885.0    18.5   20    -865.0    18.5   20
  -845.0    18.5   20    -825.0    18.5   20    -805.0    18.5   20    -785.0    18.5   20    -765.0    18.5   20
  -745.0    18.5   20    -725.0    18.5   20    -705.0    18.5   20    -685.0    18.5   20    -665.0    18.5   20
  -645.0    18.5   20    -625.0    18.5   20    -605.0    18.5   20    -585.0    18.5   20    -565.0    18.5   20
  -545.0    18.5   20    -525.0    18.5   20    -505.0    18.5   20    -485.0    18.5   20    -465.0    18.5   20
  -445.0    18.5   20    -425.0    18.5   20    -405.0    18.5   20    -385.0    18.5   20    -365.0    18.5   20
  -345.0    18.5   20    -325.0    18.5   20    -305.0    18.5   20    -285.0    18.5   20    -265.0    18.5   20
  -245.0    18.5   20    -225.0    18.5   20    -205.0    18.5   20    -185.0    18.5   20    -165.0    18.5   20
  -145.0    18.5   20    -125.0    18.5   20    -105.0    18.5   20     -85.0    18.5   20     -65.0    18.5   20
   -45.0    18.5   20     -25.0    18.5   20      -5.0    18.5   20      15.0    18.5   20      35.0    18.5   20
    55.0    18.5   20      75.0    18.5   20      95.0    18.5   20     115.0    18.5   20     135.0    18.5   20
   155.0    18.5   20     175.0    18.5   20     195.0    18.5   20     215.0    18.5   20     235.0    18.5   20
   255.0    18.5   20     275.0    18.5   20     295.0    18.5   20     315.0    18.5   20     335.0    18.5   20
   355.0    18.5   20     375.0    18.5   20     395.0    18.5   20     415.0    18.5   20     435.0    18.5   20
   455.0    18.5   20     475.0    18.5   20     495.0    18.5   20     515.0    18.5   20     535.0    18.5   20
   555.0    18.5   20     575.0    18.5   20     595.0    18.5   20     615.0    18.5   20     635.0    18.5   20
   655.0    18.5   20     675.0    18.5   20     695.0    18.5   20     715.0    18.5   20     735.0    18.5   20
   755.0    18.5   20     775.0    18.5   20     795.0    18.5   20     815.0    18.5   20     835.0    18.5   20
   855.0    18.5   20     875.0    18.5   20     177.5   -18.5   20     177.5    18.5   20    -270.9   -18.5   20
  -270.9    18.5   20    -767.8   -18.5   20    -767.8    18.5   20     199.5   -18.5   20     199.5    18.5   20
   220.3   -18.5   20     220.3    18.5   20     268.3   -18.5   20     268.3    18.5   20     241.1   -18.5   20
   241.1    18.5   20     203.3   -18.5   20     203.3    18.5   20
```

Sezione a quota 729
Coordinate dei vertici
```
     X        Y
  -945.0    25.0
  -945.0   142.8
  -900.0   142.8
  -900.0    25.0
   845.0    25.0
   845.0   142.8
   895.0   142.8
   895.0    25.0
   895.0   -25.0
  -945.0   -25.0
```

Armature verticali
```
     X        Y      ø       X        Y      ø       X        Y      ø       X        Y      ø       X        Y      ø
  -925.0   -18.5   20    -905.0   -18.5   20    -885.0   -18.5   20    -865.0   -18.5   20    -845.0   -18.5   20
  -825.0   -18.5   20    -805.0   -18.5   20    -785.0   -18.5   20    -765.0   -18.5   20    -745.0   -18.5   20
  -725.0   -18.5   20    -705.0   -18.5   20    -685.0   -18.5   20    -665.0   -18.5   20    -645.0   -18.5   20
  -625.0   -18.5   20    -605.0   -18.5   20    -585.0   -18.5   20    -565.0   -18.5   20    -545.0   -18.5   20
  -525.0   -18.5   20    -505.0   -18.5   20    -485.0   -18.5   20    -465.0   -18.5   20    -445.0   -18.5   20
  -425.0   -18.5   20    -405.0   -18.5   20    -385.0   -18.5   20    -365.0   -18.5   20    -345.0   -18.5   20
  -325.0   -18.5   20    -305.0   -18.5   20    -285.0   -18.5   20    -265.0   -18.5   20    -245.0   -18.5   20
  -225.0   -18.5   20    -205.0   -18.5   20    -185.0   -18.5   20    -165.0   -18.5   20    -145.0   -18.5   20
  -125.0   -18.5   20    -105.0   -18.5   20     -85.0   -18.5   20     -65.0   -18.5   20     -45.0   -18.5   20
   -25.0   -18.5   20      -5.0   -18.5   20      15.0   -18.5   20      35.0   -18.5   20      55.0   -18.5   20
    75.0   -18.5   20      95.0   -18.5   20     115.0   -18.5   20     135.0   -18.5   20     155.0   -18.5   20
   175.0   -18.5   20     195.0   -18.5   20     215.0   -18.5   20     235.0   -18.5   20     255.0   -18.5   20
   275.0   -18.5   20     295.0   -18.5   20     315.0   -18.5   20     335.0   -18.5   20     355.0   -18.5   20
   375.0   -18.5   20     395.0   -18.5   20     415.0   -18.5   20     435.0   -18.5   20     455.0   -18.5   20
   475.0   -18.5   20     495.0   -18.5   20     515.0   -18.5   20     535.0   -18.5   20     555.0   -18.5   20
   575.0   -18.5   20     595.0   -18.5   20     615.0   -18.5   20     635.0   -18.5   20     655.0   -18.5   20
   675.0   -18.5   20     695.0   -18.5   20     715.0   -18.5   20     735.0   -18.5   20     755.0   -18.5   20
   775.0   -18.5   20     795.0   -18.5   20     815.0   -18.5   20     835.0   -18.5   20     855.0   -18.5   20
   875.0   -18.5   20    -925.0    18.5   20    -905.0    18.5   20    -885.0    18.5   20    -865.0    18.5   20
```

-845.0	18.5	20	-825.0	18.5	20	-805.0	18.5	20	-785.0	18.5	20	-765.0	18.5	20
-745.0	18.5	20	-725.0	18.5	20	-705.0	18.5	20	-685.0	18.5	20	-665.0	18.5	20
-645.0	18.5	20	-625.0	18.5	20	-605.0	18.5	20	-585.0	18.5	20	-565.0	18.5	20
-545.0	18.5	20	-525.0	18.5	20	-505.0	18.5	20	-485.0	18.5	20	-465.0	18.5	20
-445.0	18.5	20	-425.0	18.5	20	-405.0	18.5	20	-385.0	18.5	20	-365.0	18.5	20
-345.0	18.5	20	-325.0	18.5	20	-305.0	18.5	20	-285.0	18.5	20	-265.0	18.5	20
-245.0	18.5	20	-225.0	18.5	20	-205.0	18.5	20	-185.0	18.5	20	-165.0	18.5	20
-145.0	18.5	20	-125.0	18.5	20	-105.0	18.5	20	-85.0	18.5	20	-65.0	18.5	20
-45.0	18.5	20	-25.0	18.5	20	-5.0	18.5	20	15.0	18.5	20	35.0	18.5	20
55.0	18.5	20	75.0	18.5	20	95.0	18.5	20	115.0	18.5	20	135.0	18.5	20
155.0	18.5	20	175.0	18.5	20	195.0	18.5	20	215.0	18.5	20	235.0	18.5	20
255.0	18.5	20	275.0	18.5	20	295.0	18.5	20	315.0	18.5	20	335.0	18.5	20
355.0	18.5	20	375.0	18.5	20	395.0	18.5	20	415.0	18.5	20	435.0	18.5	20
455.0	18.5	20	475.0	18.5	20	495.0	18.5	20	515.0	18.5	20	535.0	18.5	20
555.0	18.5	20	575.0	18.5	20	595.0	18.5	20	615.0	18.5	20	635.0	18.5	20
655.0	18.5	20	675.0	18.5	20	695.0	18.5	20	715.0	18.5	20	735.0	18.5	20
755.0	18.5	20	775.0	18.5	20	795.0	18.5	20	815.0	18.5	20	835.0	18.5	20
855.0	18.5	20	875.0	18.5	20	177.5	-18.5	20	177.5	18.5	20	-270.9	-18.5	20
-270.9	18.5	20	-767.8	-18.5	20	-767.8	18.5	20	199.5	-18.5	20	199.5	18.5	20
220.3	-18.5	20	220.3	18.5	20	268.3	-18.5	20	268.3	18.5	20	241.1	-18.5	20
241.1	18.5	20	203.3	-18.5	20	203.3	18.5	20						

Sezione a quota 731
Coordinate dei vertici

X	Y
-945.0	25.0
-945.0	142.3
-900.0	142.3
-900.0	25.0
845.0	25.0
845.0	142.3
895.0	142.3
895.0	25.0
895.0	-25.0
-945.0	-25.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-925.0	-18.5	20	-905.0	-18.5	20	-885.0	-18.5	20	-865.0	-18.5	20	-845.0	-18.5	20
-825.0	-18.5	20	-805.0	-18.5	20	-785.0	-18.5	20	-765.0	-18.5	20	-745.0	-18.5	20
-725.0	-18.5	20	-705.0	-18.5	20	-685.0	-18.5	20	-665.0	-18.5	20	-645.0	-18.5	20
-625.0	-18.5	20	-605.0	-18.5	20	-585.0	-18.5	20	-565.0	-18.5	20	-545.0	-18.5	20
-525.0	-18.5	20	-505.0	-18.5	20	-485.0	-18.5	20	-465.0	-18.5	20	-445.0	-18.5	20
-425.0	-18.5	20	-405.0	-18.5	20	-385.0	-18.5	20	-365.0	-18.5	20	-345.0	-18.5	20
-325.0	-18.5	20	-305.0	-18.5	20	-285.0	-18.5	20	-265.0	-18.5	20	-245.0	-18.5	20
-225.0	-18.5	20	-205.0	-18.5	20	-185.0	-18.5	20	-165.0	-18.5	20	-145.0	-18.5	20
-125.0	-18.5	20	-105.0	-18.5	20	-85.0	-18.5	20	-65.0	-18.5	20	-45.0	-18.5	20
-25.0	-18.5	20	-5.0	-18.5	20	15.0	-18.5	20	35.0	-18.5	20	55.0	-18.5	20
75.0	-18.5	20	95.0	-18.5	20	115.0	-18.5	20	135.0	-18.5	20	155.0	-18.5	20
175.0	-18.5	20	195.0	-18.5	20	215.0	-18.5	20	235.0	-18.5	20	255.0	-18.5	20
275.0	-18.5	20	295.0	-18.5	20	315.0	-18.5	20	335.0	-18.5	20	355.0	-18.5	20
375.0	-18.5	20	395.0	-18.5	20	415.0	-18.5	20	435.0	-18.5	20	455.0	-18.5	20
475.0	-18.5	20	495.0	-18.5	20	515.0	-18.5	20	535.0	-18.5	20	555.0	-18.5	20
575.0	-18.5	20	595.0	-18.5	20	615.0	-18.5	20	635.0	-18.5	20	655.0	-18.5	20
675.0	-18.5	20	695.0	-18.5	20	715.0	-18.5	20	735.0	-18.5	20	755.0	-18.5	20
775.0	-18.5	20	795.0	-18.5	20	815.0	-18.5	20	835.0	-18.5	20	855.0	-18.5	20
875.0	-18.5	20	-925.0	18.5	20	-905.0	18.5	20	-885.0	18.5	20	-865.0	18.5	20
-845.0	18.5	20	-825.0	18.5	20	-805.0	18.5	20	-785.0	18.5	20	-765.0	18.5	20
-745.0	18.5	20	-725.0	18.5	20	-705.0	18.5	20	-685.0	18.5	20	-665.0	18.5	20
-645.0	18.5	20	-625.0	18.5	20	-605.0	18.5	20	-585.0	18.5	20	-565.0	18.5	20
-545.0	18.5	20	-525.0	18.5	20	-505.0	18.5	20	-485.0	18.5	20	-465.0	18.5	20
-445.0	18.5	20	-425.0	18.5	20	-405.0	18.5	20	-385.0	18.5	20	-365.0	18.5	20
-345.0	18.5	20	-325.0	18.5	20	-305.0	18.5	20	-285.0	18.5	20	-265.0	18.5	20
-245.0	18.5	20	-225.0	18.5	20	-205.0	18.5	20	-185.0	18.5	20	-165.0	18.5	20
-145.0	18.5	20	-125.0	18.5	20	-105.0	18.5	20	-85.0	18.5	20	-65.0	18.5	20
-45.0	18.5	20	-25.0	18.5	20	-5.0	18.5	20	15.0	18.5	20	35.0	18.5	20
55.0	18.5	20	75.0	18.5	20	95.0	18.5	20	115.0	18.5	20	135.0	18.5	20
155.0	18.5	20	175.0	18.5	20	195.0	18.5	20	215.0	18.5	20	235.0	18.5	20
255.0	18.5	20	275.0	18.5	20	295.0	18.5	20	315.0	18.5	20	335.0	18.5	20
355.0	18.5	20	375.0	18.5	20	395.0	18.5	20	415.0	18.5	20	435.0	18.5	20
455.0	18.5	20	475.0	18.5	20	495.0	18.5	20	515.0	18.5	20	535.0	18.5	20
555.0	18.5	20	575.0	18.5	20	595.0	18.5	20	615.0	18.5	20	635.0	18.5	20
655.0	18.5	20	675.0	18.5	20	695.0	18.5	20	715.0	18.5	20	735.0	18.5	20
755.0	18.5	20	775.0	18.5	20	795.0	18.5	20	815.0	18.5	20	835.0	18.5	20
855.0	18.5	20	875.0	18.5	20	177.5	-18.5	20	177.5	18.5	20	-270.9	-18.5	20
-270.9	18.5	20	-767.8	-18.5	20	-767.8	18.5	20	199.5	-18.5	20	199.5	18.5	20
220.3	-18.5	20	220.3	18.5	20	268.3	-18.5	20	268.3	18.5	20	241.1	-18.5	20
241.1	18.5	20	203.3	-18.5	20	203.3	18.5	20						

Sezione a quota 951
Coordinate dei vertici

X	Y
-945.0	25.0
-945.0	87.3
-900.0	87.3
-900.0	25.0
845.0	25.0
845.0	87.3
895.0	87.3
895.0	25.0
895.0	-25.0
-945.0	-25.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-925.0	-18.5	20	-905.0	-18.5	20	-885.0	-18.5	20	-865.0	-18.5	20	-845.0	-18.5	20
-825.0	-18.5	20	-805.0	-18.5	20	-785.0	-18.5	20	-765.0	-18.5	20	-745.0	-18.5	20
-725.0	-18.5	20	-705.0	-18.5	20	-685.0	-18.5	20	-665.0	-18.5	20	-645.0	-18.5	20
-625.0	-18.5	20	-605.0	-18.5	20	-585.0	-18.5	20	-565.0	-18.5	20	-545.0	-18.5	20
-525.0	-18.5	20	-505.0	-18.5	20	-485.0	-18.5	20	-465.0	-18.5	20	-445.0	-18.5	20
-425.0	-18.5	20	-405.0	-18.5	20	-385.0	-18.5	20	-365.0	-18.5	20	-345.0	-18.5	20
-325.0	-18.5	20	-305.0	-18.5	20	-285.0	-18.5	20	-265.0	-18.5	20	-245.0	-18.5	20
-225.0	-18.5	20	-205.0	-18.5	20	-185.0	-18.5	20	-165.0	-18.5	20	-145.0	-18.5	20
-125.0	-18.5	20	-105.0	-18.5	20	-85.0	-18.5	20	-65.0	-18.5	20	-45.0	-18.5	20
-25.0	-18.5	20	-5.0	-18.5	20	15.0	-18.5	20	35.0	-18.5	20	55.0	-18.5	20
75.0	-18.5	20	95.0	-18.5	20	115.0	-18.5	20	135.0	-18.5	20	155.0	-18.5	20
175.0	-18.5	20	195.0	-18.5	20	215.0	-18.5	20	235.0	-18.5	20	255.0	-18.5	20
275.0	-18.5	20	295.0	-18.5	20	315.0	-18.5	20	335.0	-18.5	20	355.0	-18.5	20
375.0	-18.5	20	395.0	-18.5	20	415.0	-18.5	20	435.0	-18.5	20	455.0	-18.5	20
475.0	-18.5	20	495.0	-18.5	20	515.0	-18.5	20	535.0	-18.5	20	555.0	-18.5	20
575.0	-18.5	20	595.0	-18.5	20	615.0	-18.5	20	635.0	-18.5	20	655.0	-18.5	20
675.0	-18.5	20	695.0	-18.5	20	715.0	-18.5	20	735.0	-18.5	20	755.0	-18.5	20
775.0	-18.5	20	795.0	-18.5	20	815.0	-18.5	20	835.0	-18.5	20	855.0	-18.5	20
875.0	-18.5	20	-925.0	18.5	20	-905.0	18.5	20	-885.0	18.5	20	-865.0	18.5	20
-845.0	18.5	20	-825.0	18.5	20	-805.0	18.5	20	-785.0	18.5	20	-765.0	18.5	20
-745.0	18.5	20	-725.0	18.5	20	-705.0	18.5	20	-685.0	18.5	20	-665.0	18.5	20
-645.0	18.5	20	-625.0	18.5	20	-605.0	18.5	20	-585.0	18.5	20	-565.0	18.5	20
-545.0	18.5	20	-525.0	18.5	20	-505.0	18.5	20	-485.0	18.5	20	-465.0	18.5	20
-445.0	18.5	20	-425.0	18.5	20	-405.0	18.5	20	-385.0	18.5	20	-365.0	18.5	20
-345.0	18.5	20	-325.0	18.5	20	-305.0	18.5	20	-285.0	18.5	20	-265.0	18.5	20
-245.0	18.5	20	-225.0	18.5	20	-205.0	18.5	20	-185.0	18.5	20	-165.0	18.5	20
-145.0	18.5	20	-125.0	18.5	20	-105.0	18.5	20	-85.0	18.5	20	-65.0	18.5	20
-45.0	18.5	20	-25.0	18.5	20	-5.0	18.5	20	15.0	18.5	20	35.0	18.5	20
55.0	18.5	20	75.0	18.5	20	95.0	18.5	20	115.0	18.5	20	135.0	18.5	20
155.0	18.5	20	175.0	18.5	20	195.0	18.5	20	215.0	18.5	20	235.0	18.5	20
255.0	18.5	20	275.0	18.5	20	295.0	18.5	20	315.0	18.5	20	335.0	18.5	20
355.0	18.5	20	375.0	18.5	20	395.0	18.5	20	415.0	18.5	20	435.0	18.5	20
455.0	18.5	20	475.0	18.5	20	495.0	18.5	20	515.0	18.5	20	535.0	18.5	20
555.0	18.5	20	575.0	18.5	20	595.0	18.5	20	615.0	18.5	20	635.0	18.5	20
655.0	18.5	20	675.0	18.5	20	695.0	18.5	20	715.0	18.5	20	735.0	18.5	20
755.0	18.5	20	775.0	18.5	20	795.0	18.5	20	815.0	18.5	20	835.0	18.5	20
855.0	18.5	20	875.0	18.5	20	177.5	-18.5	20	177.5	18.5	20	-270.9	-18.5	20
-270.9	18.5	20	-767.8	-18.5	20	-767.8	18.5	20	199.5	-18.5	20	199.5	18.5	20
220.3	-18.5	20	220.3	18.5	20	268.3	-18.5	20	268.3	18.5	20	241.1	-18.5	20
241.1	18.5	20	203.3	-18.5	20	203.3	18.5	20						

Sezione a quota 1171
Coordinate dei vertici

X	Y
-945.0	-25.0
-945.0	25.0
895.0	25.0
895.0	-25.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-925.0	-18.5	20	-905.0	-18.5	20	-885.0	-18.5	20	-865.0	-18.5	20	-845.0	-18.5	20
-825.0	-18.5	20	-805.0	-18.5	20	-785.0	-18.5	20	-765.0	-18.5	20	-745.0	-18.5	20
-725.0	-18.5	20	-705.0	-18.5	20	-685.0	-18.5	20	-665.0	-18.5	20	-645.0	-18.5	20
-625.0	-18.5	20	-605.0	-18.5	20	-585.0	-18.5	20	-565.0	-18.5	20	-545.0	-18.5	20
-525.0	-18.5	20	-505.0	-18.5	20	-485.0	-18.5	20	-465.0	-18.5	20	-445.0	-18.5	20
-425.0	-18.5	20	-405.0	-18.5	20	-385.0	-18.5	20	-365.0	-18.5	20	-345.0	-18.5	20
-325.0	-18.5	20	-305.0	-18.5	20	-285.0	-18.5	20	-265.0	-18.5	20	-245.0	-18.5	20
-225.0	-18.5	20	-205.0	-18.5	20	-185.0	-18.5	20	-165.0	-18.5	20	-145.0	-18.5	20
-125.0	-18.5	20	-105.0	-18.5	20	-85.0	-18.5	20	-65.0	-18.5	20	-45.0	-18.5	20
-25.0	-18.5	20	-5.0	-18.5	20	15.0	-18.5	20	35.0	-18.5	20	55.0	-18.5	20
75.0	-18.5	20	95.0	-18.5	20	115.0	-18.5	20	135.0	-18.5	20	155.0	-18.5	20
175.0	-18.5	20	195.0	-18.5	20	215.0	-18.5	20	235.0	-18.5	20	255.0	-18.5	20
275.0	-18.5	20	295.0	-18.5	20	315.0	-18.5	20	335.0	-18.5	20	355.0	-18.5	20
375.0	-18.5	20	395.0	-18.5	20	415.0	-18.5	20	435.0	-18.5	20	455.0	-18.5	20
475.0	-18.5	20	495.0	-18.5	20	515.0	-18.5	20	535.0	-18.5	20	555.0	-18.5	20
575.0	-18.5	20	595.0	-18.5	20	615.0	-18.5	20	635.0	-18.5	20	655.0	-18.5	20
675.0	-18.5	20	695.0	-18.5	20	715.0	-18.5	20	735.0	-18.5	20	755.0	-18.5	20
775.0	-18.5	20	795.0	-18.5	20	815.0	-18.5	20	835.0	-18.5	20	855.0	-18.5	20
875.0	-18.5	20	-925.0	18.5	20	-905.0	18.5	20	-885.0	18.5	20	-865.0	18.5	20
-845.0	18.5	20	-825.0	18.5	20	-805.0	18.5	20	-785.0	18.5	20	-765.0	18.5	20
-745.0	18.5	20	-725.0	18.5	20	-705.0	18.5	20	-685.0	18.5	20	-665.0	18.5	20
-645.0	18.5	20	-625.0	18.5	20	-605.0	18.5	20	-585.0	18.5	20	-565.0	18.5	20
-545.0	18.5	20	-525.0	18.5	20	-505.0	18.5	20	-485.0	18.5	20	-465.0	18.5	20
-445.0	18.5	20	-425.0	18.5	20	-405.0	18.5	20	-385.0	18.5	20	-365.0	18.5	20
-345.0	18.5	20	-325.0	18.5	20	-305.0	18.5	20	-285.0	18.5	20	-265.0	18.5	20
-245.0	18.5	20	-225.0	18.5	20	-205.0	18.5	20	-185.0	18.5	20	-165.0	18.5	20
-145.0	18.5	20	-125.0	18.5	20	-105.0	18.5	20	-85.0	18.5	20	-65.0	18.5	20
-45.0	18.5	20	-25.0	18.5	20	-5.0	18.5	20	15.0	18.5	20	35.0	18.5	20
55.0	18.5	20	75.0	18.5	20	95.0	18.5	20	115.0	18.5	20	135.0	18.5	20
155.0	18.5	20	175.0	18.5	20	195.0	18.5	20	215.0	18.5	20	235.0	18.5	20
255.0	18.5	20	275.0	18.5	20	295.0	18.5	20	315.0	18.5	20	335.0	18.5	20
355.0	18.5	20	375.0	18.5	20	395.0	18.5	20	415.0	18.5	20	435.0	18.5	20
455.0	18.5	20	475.0	18.5	20	495.0	18.5	20	515.0	18.5	20	535.0	18.5	20
555.0	18.5	20	575.0	18.5	20	595.0	18.5	20	615.0	18.5	20	635.0	18.5	20
655.0	18.5	20	675.0	18.5	20	695.0	18.5	20	715.0	18.5	20	735.0	18.5	20
755.0	18.5	20	775.0	18.5	20	795.0	18.5	20	815.0	18.5	20	835.0	18.5	20
855.0	18.5	20	875.0	18.5	20											

Sezione a quota 1173
Coordinate dei vertici

X	Y
-945.0	-25.0

-945.0	25.0
895.0	25.0
895.0	-25.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-925.0	-18.5	20	-905.0	-18.5	20	-885.0	-18.5	20	-865.0	-18.5	20	-845.0	-18.5	20
-825.0	-18.5	20	-805.0	-18.5	20	-785.0	-18.5	20	-765.0	-18.5	20	-745.0	-18.5	20
-725.0	-18.5	20	-705.0	-18.5	20	-685.0	-18.5	20	-665.0	-18.5	20	-645.0	-18.5	20
-625.0	-18.5	20	-605.0	-18.5	20	-585.0	-18.5	20	-565.0	-18.5	20	-545.0	-18.5	20
-525.0	-18.5	20	-505.0	-18.5	20	-485.0	-18.5	20	-465.0	-18.5	20	-445.0	-18.5	20
-425.0	-18.5	20	-405.0	-18.5	20	-385.0	-18.5	20	-365.0	-18.5	20	-345.0	-18.5	20
-325.0	-18.5	20	-305.0	-18.5	20	-285.0	-18.5	20	-265.0	-18.5	20	-245.0	-18.5	20
-225.0	-18.5	20	-205.0	-18.5	20	-185.0	-18.5	20	-165.0	-18.5	20	-145.0	-18.5	20
-125.0	-18.5	20	-105.0	-18.5	20	-85.0	-18.5	20	-65.0	-18.5	20	-45.0	-18.5	20
-25.0	-18.5	20	-5.0	-18.5	20	15.0	-18.5	20	35.0	-18.5	20	55.0	-18.5	20
75.0	-18.5	20	95.0	-18.5	20	115.0	-18.5	20	135.0	-18.5	20	155.0	-18.5	20
175.0	-18.5	20	195.0	-18.5	20	215.0	-18.5	20	235.0	-18.5	20	255.0	-18.5	20
275.0	-18.5	20	295.0	-18.5	20	315.0	-18.5	20	335.0	-18.5	20	355.0	-18.5	20
375.0	-18.5	20	395.0	-18.5	20	415.0	-18.5	20	435.0	-18.5	20	455.0	-18.5	20
475.0	-18.5	20	495.0	-18.5	20	515.0	-18.5	20	535.0	-18.5	20	555.0	-18.5	20
575.0	-18.5	20	595.0	-18.5	20	615.0	-18.5	20	635.0	-18.5	20	655.0	-18.5	20
675.0	-18.5	20	695.0	-18.5	20	715.0	-18.5	20	735.0	-18.5	20	755.0	-18.5	20
775.0	-18.5	20	795.0	-18.5	20	815.0	-18.5	20	835.0	-18.5	20	855.0	-18.5	20
875.0	-18.5	20	-925.0	18.5	20	-905.0	18.5	20	-885.0	18.5	20	-865.0	18.5	20
-845.0	18.5	20	-825.0	18.5	20	-805.0	18.5	20	-785.0	18.5	20	-765.0	18.5	20
-745.0	18.5	20	-725.0	18.5	20	-705.0	18.5	20	-685.0	18.5	20	-665.0	18.5	20
-645.0	18.5	20	-625.0	18.5	20	-605.0	18.5	20	-585.0	18.5	20	-565.0	18.5	20
-545.0	18.5	20	-525.0	18.5	20	-505.0	18.5	20	-485.0	18.5	20	-465.0	18.5	20
-445.0	18.5	20	-425.0	18.5	20	-405.0	18.5	20	-385.0	18.5	20	-365.0	18.5	20
-345.0	18.5	20	-325.0	18.5	20	-305.0	18.5	20	-285.0	18.5	20	-265.0	18.5	20
-245.0	18.5	20	-225.0	18.5	20	-205.0	18.5	20	-185.0	18.5	20	-165.0	18.5	20
-145.0	18.5	20	-125.0	18.5	20	-105.0	18.5	20	-85.0	18.5	20	-65.0	18.5	20
-45.0	18.5	20	-25.0	18.5	20	-5.0	18.5	20	15.0	18.5	20	35.0	18.5	20
55.0	18.5	20	75.0	18.5	20	95.0	18.5	20	115.0	18.5	20	135.0	18.5	20
155.0	18.5	20	175.0	18.5	20	195.0	18.5	20	215.0	18.5	20	235.0	18.5	20
255.0	18.5	20	275.0	18.5	20	295.0	18.5	20	315.0	18.5	20	335.0	18.5	20
355.0	18.5	20	375.0	18.5	20	395.0	18.5	20	415.0	18.5	20	435.0	18.5	20
455.0	18.5	20	475.0	18.5	20	495.0	18.5	20	515.0	18.5	20	535.0	18.5	20
555.0	18.5	20	575.0	18.5	20	595.0	18.5	20	615.0	18.5	20	635.0	18.5	20
655.0	18.5	20	675.0	18.5	20	695.0	18.5	20	715.0	18.5	20	735.0	18.5	20
755.0	18.5	20	775.0	18.5	20	795.0	18.5	20	815.0	18.5	20	835.0	18.5	20
855.0	18.5	20	875.0	18.5	20									

Sezione a quota 1236
Coordinate dei vertici

X	Y
-945.0	-25.0
-945.0	25.0
895.0	25.0
895.0	-25.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-925.0	-18.5	20	-905.0	-18.5	20	-885.0	-18.5	20	-865.0	-18.5	20	-845.0	-18.5	20
-825.0	-18.5	20	-805.0	-18.5	20	-785.0	-18.5	20	-765.0	-18.5	20	-745.0	-18.5	20
-725.0	-18.5	20	-705.0	-18.5	20	-685.0	-18.5	20	-665.0	-18.5	20	-645.0	-18.5	20
-625.0	-18.5	20	-605.0	-18.5	20	-585.0	-18.5	20	-565.0	-18.5	20	-545.0	-18.5	20
-525.0	-18.5	20	-505.0	-18.5	20	-485.0	-18.5	20	-465.0	-18.5	20	-445.0	-18.5	20
-425.0	-18.5	20	-405.0	-18.5	20	-385.0	-18.5	20	-365.0	-18.5	20	-345.0	-18.5	20
-325.0	-18.5	20	-305.0	-18.5	20	-285.0	-18.5	20	-265.0	-18.5	20	-245.0	-18.5	20
-225.0	-18.5	20	-205.0	-18.5	20	-185.0	-18.5	20	-165.0	-18.5	20	-145.0	-18.5	20
-125.0	-18.5	20	-105.0	-18.5	20	-85.0	-18.5	20	-65.0	-18.5	20	-45.0	-18.5	20
-25.0	-18.5	20	-5.0	-18.5	20	15.0	-18.5	20	35.0	-18.5	20	55.0	-18.5	20
75.0	-18.5	20	95.0	-18.5	20	115.0	-18.5	20	135.0	-18.5	20	155.0	-18.5	20
175.0	-18.5	20	195.0	-18.5	20	215.0	-18.5	20	235.0	-18.5	20	255.0	-18.5	20
275.0	-18.5	20	295.0	-18.5	20	315.0	-18.5	20	335.0	-18.5	20	355.0	-18.5	20
375.0	-18.5	20	395.0	-18.5	20	415.0	-18.5	20	435.0	-18.5	20	455.0	-18.5	20
475.0	-18.5	20	495.0	-18.5	20	515.0	-18.5	20	535.0	-18.5	20	555.0	-18.5	20
575.0	-18.5	20	595.0	-18.5	20	615.0	-18.5	20	635.0	-18.5	20	655.0	-18.5	20
675.0	-18.5	20	695.0	-18.5	20	715.0	-18.5	20	735.0	-18.5	20	755.0	-18.5	20
775.0	-18.5	20	795.0	-18.5	20	815.0	-18.5	20	835.0	-18.5	20	855.0	-18.5	20
875.0	-18.5	20	-925.0	18.5	20	-905.0	18.5	20	-885.0	18.5	20	-865.0	18.5	20
-845.0	18.5	20	-825.0	18.5	20	-805.0	18.5	20	-785.0	18.5	20	-765.0	18.5	20
-745.0	18.5	20	-725.0	18.5	20	-705.0	18.5	20	-685.0	18.5	20	-665.0	18.5	20
-645.0	18.5	20	-625.0	18.5	20	-605.0	18.5	20	-585.0	18.5	20	-565.0	18.5	20
-545.0	18.5	20	-525.0	18.5	20	-505.0	18.5	20	-485.0	18.5	20	-465.0	18.5	20
-445.0	18.5	20	-425.0	18.5	20	-405.0	18.5	20	-385.0	18.5	20	-365.0	18.5	20
-345.0	18.5	20	-325.0	18.5	20	-305.0	18.5	20	-285.0	18.5	20	-265.0	18.5	20
-245.0	18.5	20	-225.0	18.5	20	-205.0	18.5	20	-185.0	18.5	20	-165.0	18.5	20
-145.0	18.5	20	-125.0	18.5	20	-105.0	18.5	20	-85.0	18.5	20	-65.0	18.5	20
-45.0	18.5	20	-25.0	18.5	20	-5.0	18.5	20	15.0	18.5	20	35.0	18.5	20
55.0	18.5	20	75.0	18.5	20	95.0	18.5	20	115.0	18.5	20	135.0	18.5	20
155.0	18.5	20	175.0	18.5	20	195.0	18.5	20	215.0	18.5	20	235.0	18.5	20
255.0	18.5	20	275.0	18.5	20	295.0	18.5	20	315.0	18.5	20	335.0	18.5	20
355.0	18.5	20	375.0	18.5	20	395.0	18.5	20	415.0	18.5	20	435.0	18.5	20
455.0	18.5	20	475.0	18.5	20	495.0	18.5	20	515.0	18.5	20	535.0	18.5	20
555.0	18.5	20	575.0	18.5	20	595.0	18.5	20	615.0	18.5	20	635.0	18.5	20
655.0	18.5	20	675.0	18.5	20	695.0	18.5	20	715.0	18.5	20	735.0	18.5	20
755.0	18.5	20	775.0	18.5	20	795.0	18.5	20	815.0	18.5	20	835.0	18.5	20
855.0	18.5	20	875.0	18.5	20									

Sezione a quota 1299
Coordinate dei vertici

```
      X        Y
  -945.0   -25.0
  -945.0    25.0
   895.0    25.0
   895.0   -25.0

Armature verticali
      X        Y    ø        X        Y    ø        X        Y    ø        X        Y    ø        X        Y    ø
  -925.0   -18.5   20   -905.0   -18.5   20   -885.0   -18.5   20   -865.0   -18.5   20   -845.0   -18.5   20
  -825.0   -18.5   20   -805.0   -18.5   20   -785.0   -18.5   20   -765.0   -18.5   20   -745.0   -18.5   20
  -725.0   -18.5   20   -705.0   -18.5   20   -685.0   -18.5   20   -665.0   -18.5   20   -645.0   -18.5   20
  -625.0   -18.5   20   -605.0   -18.5   20   -585.0   -18.5   20   -565.0   -18.5   20   -545.0   -18.5   20
  -525.0   -18.5   20   -505.0   -18.5   20   -485.0   -18.5   20   -465.0   -18.5   20   -445.0   -18.5   20
  -425.0   -18.5   20   -405.0   -18.5   20   -385.0   -18.5   20   -365.0   -18.5   20   -345.0   -18.5   20
  -325.0   -18.5   20   -305.0   -18.5   20   -285.0   -18.5   20   -265.0   -18.5   20   -245.0   -18.5   20
  -225.0   -18.5   20   -205.0   -18.5   20   -185.0   -18.5   20   -165.0   -18.5   20   -145.0   -18.5   20
  -125.0   -18.5   20   -105.0   -18.5   20    -85.0   -18.5   20    -65.0   -18.5   20    -45.0   -18.5   20
   -25.0   -18.5   20     -5.0   -18.5   20     15.0   -18.5   20     35.0   -18.5   20     55.0   -18.5   20
    75.0   -18.5   20     95.0   -18.5   20    115.0   -18.5   20    135.0   -18.5   20    155.0   -18.5   20
   175.0   -18.5   20    195.0   -18.5   20    215.0   -18.5   20    235.0   -18.5   20    255.0   -18.5   20
   275.0   -18.5   20    295.0   -18.5   20    315.0   -18.5   20    335.0   -18.5   20    355.0   -18.5   20
   375.0   -18.5   20    395.0   -18.5   20    415.0   -18.5   20    435.0   -18.5   20    455.0   -18.5   20
   475.0   -18.5   20    495.0   -18.5   20    515.0   -18.5   20    535.0   -18.5   20    555.0   -18.5   20
   575.0   -18.5   20    595.0   -18.5   20    615.0   -18.5   20    635.0   -18.5   20    655.0   -18.5   20
   675.0   -18.5   20    695.0   -18.5   20    715.0   -18.5   20    735.0   -18.5   20    755.0   -18.5   20
   775.0   -18.5   20    795.0   -18.5   20    815.0   -18.5   20    835.0   -18.5   20    855.0   -18.5   20
   875.0   -18.5   20   -925.0    18.5   20   -905.0    18.5   20   -885.0    18.5   20   -865.0    18.5   20
  -845.0    18.5   20   -825.0    18.5   20   -805.0    18.5   20   -785.0    18.5   20   -765.0    18.5   20
  -745.0    18.5   20   -725.0    18.5   20   -705.0    18.5   20   -685.0    18.5   20   -665.0    18.5   20
  -645.0    18.5   20   -625.0    18.5   20   -605.0    18.5   20   -585.0    18.5   20   -565.0    18.5   20
  -545.0    18.5   20   -525.0    18.5   20   -505.0    18.5   20   -485.0    18.5   20   -465.0    18.5   20
  -445.0    18.5   20   -425.0    18.5   20   -405.0    18.5   20   -385.0    18.5   20   -365.0    18.5   20
  -345.0    18.5   20   -325.0    18.5   20   -305.0    18.5   20   -285.0    18.5   20   -265.0    18.5   20
  -245.0    18.5   20   -225.0    18.5   20   -205.0    18.5   20   -185.0    18.5   20   -165.0    18.5   20
  -145.0    18.5   20   -125.0    18.5   20   -105.0    18.5   20    -85.0    18.5   20    -65.0    18.5   20
   -45.0    18.5   20    -25.0    18.5   20     -5.0    18.5   20     15.0    18.5   20     35.0    18.5   20
    55.0    18.5   20     75.0    18.5   20     95.0    18.5   20    115.0    18.5   20    135.0    18.5   20
   155.0    18.5   20    175.0    18.5   20    195.0    18.5   20    215.0    18.5   20    235.0    18.5   20
   255.0    18.5   20    275.0    18.5   20    295.0    18.5   20    315.0    18.5   20    335.0    18.5   20
   355.0    18.5   20    375.0    18.5   20    395.0    18.5   20    415.0    18.5   20    435.0    18.5   20
   455.0    18.5   20    475.0    18.5   20    495.0    18.5   20    515.0    18.5   20    535.0    18.5   20
   555.0    18.5   20    575.0    18.5   20    595.0    18.5   20    615.0    18.5   20    635.0    18.5   20
   655.0    18.5   20    675.0    18.5   20    695.0    18.5   20    715.0    18.5   20    735.0    18.5   20
   755.0    18.5   20    775.0    18.5   20    795.0    18.5   20    815.0    18.5   20    835.0    18.5   20
   855.0    18.5   20    875.0    18.5   20
```

```
Verifica eseguita con comportamento non dissipativo
Le condizioni sismiche sono state moltiplicate per i rispettivi fattori di struttura
 fcd fctd   Hcr q.Hcr   hw    Lw   n.p.   hs
 212   16   470   315  1455  1840    10    158

Verifica a pressoflessione
quota      Mxd         Myd         Ned      Ngrav.      NReale     c.s. comb
   -4    13489000   207464700   -421926   -421926   -421926   11.6206  8 SLU
   -4    17870130    41472900    -97882   -294223    -97882    7.0168 14 SLV
   51     9637679   204087300   -415722   -415722   -415722   16.0078  8 SLU
   51    13708310    40777510    -93224   -289564    -93224    9.7855 14 SLV
  105     5835114   200239200   -410062   -410062   -410062   24.3577  8 SLU
  105     8998883    39992900    -89598   -286212    -89598   16.8505 14 SLV
  107    32594980   202059200   -622672   -622672   -622672   16.5766  8 SLU
  107   -10125590   224467100   -716731   -436918   -716731    7.0262  3 SLV
  185    13383730   195997100   -587169   -587169   -587169   29.1056  6 SLU
  185    -7931249   216651700   -670414   -406592   -670414    7.9533  3 SLV
  263      819418   191276100   -557196   -557196   -557196   16.8283  6 SLU
  263    -4966540   216010400   -642170   -385372   -642170    9.7504  3 SLV
  265      863172   187821700   -545109   -545109   -545109   17.2372  6 SLU
  265    -4716219   210794400   -623603   -377559   -623603   10.0543  3 SLV
  267      626394   187688200   -545109   -545109   -545109   16.9040  6 SLU
  267    -4608361   210558200   -623603   -377559   -623603   10.0999  3 SLV
  269      388063   187535500   -545180   -545180   -545180   16.5760  6 SLU
  269    -4458492   210740300   -625072   -377726   -625072   10.1654  3 SLV
  271      150019    23003190   -540997   -540997   -540997   36.6215  6 SLU
  271    -4371884    44766230   -646022   -375759   -646022   15.8787  3 SLV
  433   -10209120    19947220   -466751   -466751   -466751    9.8578  8 SLU
  433   -14137400   -27019620    -79922   -329434    -79922    3.5817 14 SLV
  594    -8115837    18910530   -401662   -401662   -401662   12.6893  8 SLU
  594   -14310790   -26029930    -76839   -284683    -76839    3.5345 14 SLV
  596    -8040153    18867200   -401662   -401662   -401662   12.8151  8 SLU
  596   -14211610   -25892830    -76839   -284683    -76839    3.5628 14 SLV
  613    -7414269    22121930   -386764   -386764   -386764   13.7480  7 SLU
  613   -13432850   -22665350    -66463   -272887    -66463    3.7660 14 SLV
  629    -6635076    19740760   -361906   -361906   -361906   15.5256  7 SLU
  629   -12007530   -23747870    -38952   -255329    -38952    4.0576 16 SLV
  631    -6551301    19702390   -361841   -361841   -361841   15.7365  7 SLU
  631   -11900840   -23983790    -38808   -255310    -38808    4.0937 16 SLV
  679    -4826546    16724770   -372659   -372659   -372659   22.6483  7 SLU
  679    -9022572   -20707610    -64291   -263184    -64291    5.9916 16 SLV
  726    -2873013    19548230   -355325   -355325   -355325   36.9687  5 SLU
  726    -5821852   -32745050    -57983   -246497    -57983    9.2529 16 SLV
  728    -2800070    19542120   -355325   -355325   -355325   37.2899  5 SLU
  728    -5692691   -32933550    -57938   -246497    -57938    9.4818 16 SLV
  729    -2781832    19540600   -355325   -355325   -355325   37.3697  5 SLU
```

```
  729   -5661785  -33877980     -56832   -246497     -56832    9.4601 16 SLV
  729   -2763603   19539060    -355325   -355325    -355325   37.4498  5 SLU
  729   -5629222  -33918370     -56832   -246497     -56832    9.5166 16 SLV
  731   -3016112   12568220    -346509   -346509    -346509   38.0095  5 SLU
  731   -5937677  -21061760     -83883   -241037     -83883   10.5448 14 SLV
  951    -860538    7759470    -252528   -252528    -252528   69.6488  7 SLU
  951   -5126878  -15975780    -111653   -175413    -111653   15.0337 13 SLV
 1171     202695    4101116    -181427   -181427    -181427   98.1927  5 SLU
 1171   -4068778   -4726998     -91853   -121163     -91853   19.7958 14 SLV
 1173    -268956    2672443    -151438   -151438    -151438  117.6373  5 SLU
 1173   -4465680   -5299878     -85555   -100155     -85555   16.3029 13 SLV
 1236    -128620    1257829    -131296   -131296    -131296  135.6840  5 SLU
 1236   -2549726   -2845519     -80372    -85048     -80372   41.8840 13 SLV
 1299      24249     785268    -112654   -112654    -112654  158.1369  5 SLU
 1299       8202    2957483     -76501    -70708     -76501  232.8704  1 SLV
```

Verifica compressione del diagonale

```
quota  epsilon     VEd      Vrcd comb
   -4    1.00     13488   2730010  8 SLU
   -4    1.00    177966   2721121 12 SLV
   51    1.00     13481   2728769  8 SLU
   51    1.00    178150   2720276 12 SLV
  105    1.00      4875   2727637  8 SLU
  105    1.00    175927   2712980 12 SLV
  107    1.00     84838   2770160  8 SLU
  107    1.00    446346   2707195 12 SLV
  185    1.00     77201   2761522  8 SLU
  185    1.00    438632   2699894 12 SLV
  263    1.00     82312   2757064  6 SLU
  263    1.00    429158   2700932 12 SLV
  265    1.00     66976   2753191  8 SLU
  265    1.00    423856   2692934 12 SLV
  267    1.00     66976   2753191  8 SLU
  267    1.00    423856   2692934 12 SLV
  269    1.00     66967   2753205  8 SLU
  269    1.00    423353   2692961 12 SLV
  271    1.00     51454   4001016  8 SLU
  271    1.00    413661   3942887 12 SLV
  433    1.00     41955   3987710  8 SLU
  433    1.00    365777   3941116 12 SLV
  594    1.00     21760   3975864  6 SLU
  594    1.00    312536   3933903 12 SLV
  596    1.00     21760   3975864  6 SLU
  596    1.00    312536   3933903 12 SLV
  613    1.00     21760   3972797  6 SLU
  613    1.00    311667   3931651 12 SLV
  629    1.00     19813   3967667  6 SLU
  629    1.00    316434   3948978  8 SLV
  631    1.00     19809   3967654  6 SLU
  631    1.00    315969   3948878  8 SLV
  679    1.00     13905   3969844  6 SLU
  679    1.00    292405   3953803  8 SLV
  726    1.00      9912   3965280  6 SLU
  726    1.00    275088   3947545  8 SLV
  728    1.00      9904   3965280  6 SLU
  728    1.00    273854   3947543  8 SLV
  729    1.00      9896   3965280  6 SLU
  729    1.00    272835   3947603  8 SLV
  729    1.00      9896   3965280  6 SLU
  729    1.00    272835   3947603  8 SLV
  731    1.00     15207   3962680  8 SLU
  731    1.00    252044   3928505 12 SLV
  951    1.00     10178   3944800  8 SLU
  951    1.00    211469   3922826 12 SLV
 1171    1.00     10201   3930609  6 SLU
 1171    1.00    170278   3919044  8 SLV
 1173    1.00     10040   3924627  6 SLU
 1173    1.00    139492   3914427  8 SLV
 1236    1.00      9965   3920613  6 SLU
 1236    1.00    125656   3911376  8 SLV
 1299    1.00      9965   3916884  6 SLU
 1299    1.00    125601   3908536  8 SLV
```

Verifica trazione del diagonale

```
quota  alfaS   At     roh    rov       MEd        NEd      VEd     VRsd comb
   -4   0.00 948.8  0.0060 0.0152 207464700   -421926    13488  1179484  8 SLU
   -4   0.00 948.8  0.0060 0.0152 210016900   -377480   177966  1179484 12 SLV
   51   0.00 948.8  0.0059 0.0152 204087300   -415722    13481  1147441  8 SLU
   51   0.00 948.8  0.0059 0.0152 198486900   -373256   178150  1147441 12 SLV
  105   0.00 948.8  0.0065 0.0152 200239200   -410062     4875  1279314  8 SLU
  105   0.00 948.8  0.0065 0.0152 179085800   -336775   175927  1279314 12 SLV
  107   0.00 948.8  0.0059 0.0152 202059200   -622672    84838  1147441  8 SLU
  107   0.00 948.8  0.0059 0.0152 213321000   -307850   446346  1147441 12 SLV
  185   0.00 936.2  0.0065 0.0150 194400600   -579485    77201  1279314  8 SLU
  185   0.00 936.2  0.0065 0.0150 177885500   -271344   438632  1279314 12 SLV
  263   0.00 918.3  0.0075 0.0147 191276100   -557196    82312  1475281  6 SLU
  263   0.00 918.3  0.0075 0.0147 155596900   -276535   429158  1475281 12 SLV
  265   0.00 907.9  0.0074 0.0145 186070800   -537830    66976  1443235  8 SLU
  265   0.00 907.9  0.0074 0.0145 145541900   -236546   423856  1443235 12 SLV
  267   0.00 897.3  0.0067 0.0144 185936800   -537830    66976  1311361  8 SLU
  267   0.00 897.3  0.0067 0.0144 144694200   -236546   423856  1311361 12 SLV
  269   0.00 886.7  0.0067 0.0142 185783700   -537900    66967  1311361  8 SLU
  269   0.00 886.7  0.0067 0.0142 143950500   -236679   423353  1311361 12 SLV
  271   0.00 835.4  0.0084 0.0091  23002700   -533279    51454  2412904  8 SLU
```

```
 271    0.00 835.4  0.0084  0.0091   77747540   -242635    413661  2412904 12 SLV
 433    0.00 571.8  0.0059  0.0062   19947220   -466751     41955  1689033  8 SLU
 433    0.00 571.8  0.0059  0.0062   39741980   -233781    365777  1689033 12 SLV
 594    0.00 574.0  0.0059  0.0062   19418640   -407518     21760  1689033  6 SLU
 594    0.00 574.0  0.0059  0.0062    9318520   -197712    312536  1689033 12 SLV
 596    0.00 574.2  0.0065  0.0062   19375120   -407518     21760  1883151  6 SLU
 596    0.00 574.2  0.0065  0.0062    8693448   -197712    312536  1883151 12 SLV
 613    0.00 578.6  0.0059  0.0063   22546050   -392183     21760  1689033  6 SLU
 613    0.00 578.6  0.0059  0.0063   28037340   -313354    312647  1689033  8 SLV
 629    0.00 582.3  0.0059  0.0063   20091370   -366535     19813  1689033  6 SLU
 629    0.00 582.3  0.0059  0.0063   23550130   -273089    316434  1689033  6 SLV
 631    0.00 582.6  0.0059  0.0063   20036950   -366470     19809  1689033  6 SLU
 631    0.00 582.6  0.0059  0.0063   22803460   -272590    315969  1689033  8 SLV
 679    0.00 601.2  0.0067  0.0065   16949570   -377421     13905  1930323  6 SLU
 679    0.00 601.2  0.0067  0.0065   16764910   -297215    292405  1930323  6 SLV
 726    0.00 615.6  0.0077  0.0067   19203780   -354598      9912  2218786  6 SLU
 726    0.00 615.6  0.0077  0.0067   17016030   -265926    275088  2218786  8 SLV
 728    0.00 617.0  0.0076  0.0067   19183960   -354598      9904  2186116  6 SLU
 728    0.00 617.0  0.0076  0.0067   16459870   -265914    273854  2186116  8 SLV
 729    0.00 617.1  0.0076  0.0067   19179010   -354598      9896  2193477  6 SLU
 729    0.00 617.1  0.0076  0.0067   16566140   -266212    272835  2193477  8 SLV
 729    0.00 617.1  0.0076  0.0067   19174060   -354598      9896  2200888  6 SLU
 729    0.00 617.1  0.0076  0.0067   16429720   -266212    272835  2200888  8 SLV
 731    0.00 617.3  0.0077  0.0067   12040760   -341600     15207  2231038  8 SLU
 731    0.00 617.3  0.0077  0.0067     717021   -170723    252044  2231038 12 SLV
 951    0.00 622.0  0.0076  0.0068    8136865   -252198     10178  2196605  8 SLU
 951    0.00 622.0  0.0076  0.0068   20395560   -142331    211469  2196605 12 SLV
1171    0.00 571.8  0.0059  0.0062    4055614   -181244     10201  1689033  6 SLU
1171    0.00 571.8  0.0059  0.0062    4651925   -123419    170278  1689033  8 SLU
1173    0.00 571.8  0.0059  0.0062    2818863   -151335     10040  1689033  6 SLU
1173    0.00 571.8  0.0059  0.0062   10783120   -100333    139492  1689033  8 SLV
1236    0.00 571.8  0.0063  0.0062    1363418   -131263      9965  1822641  6 SLU
1236    0.00 571.8  0.0063  0.0062    6308857    -85080    125656  1822641  8 SLV
1299    0.00 571.8  0.0067  0.0062     712289   -112621      9965  1930323  6 SLU
1299    0.00 571.8  0.0067  0.0062   -1714150    -70878    125601  1930323  8 SLV
```

Parete pozzetti scarico O

```
Parete fra le coordinate in pianta (-175;135) (-175;-185)
da quota -355 a quota -5
Valori in daN, cm
C35/45_1: rck 450
fyk 4500
```

```
Verifica di stato limite ultimo
  nod sez   B    H   Af+   Af-   c+    c-     c.s.     comb      N        M       Nu        Mu
  133   o  70   30   6.0   6.0   6.3   6.3   24.379  10 SLV   -16144   -41937  -393567 -1022389
        v 100   30  10.1  10.1   7.9   7.9    2.339   7 SLV    15594  -249233    36470  -582886
  163   o  50   30   4.0   4.0   6.3   6.3   20.175   7 SLU   -14149   -32547  -285451  -656636
        v 100   30  10.1  10.1   7.9   7.9    1.661  10 SLV    33017  -203098    54852  -337416
  972   o  65   30   6.0   6.0   6.3   6.3    9.456   7 SLU   -30203   166306  -285605  1572618
        v  50   30   4.0   4.0   7.9   7.9    3.937  11 SLV    -2538   135233    -9992   532418
```

```
Combinazione rara
  nod sez   B    H   Af+   Af-   c+    c-    sc    c       N         M       sf    c       N          M  Wk(mm) Wlim   st  Sm(mm)    c
  133   o  70   30   6.0   6.0   6.3   6.3   -6.3 1 ra  -9.33E03 -2.55E04  -42.0 1 ra  -9.33E03 -2.55E04  0.00999.00  0.0    0.0 1 ra
        v 100   30  10.1  10.1   7.9   7.9  -39.0 1 ra  -2.39E04 -3.17E05  402.2 1 ra  -2.39E04 -3.17E05  0.00999.00 12.9    0.0 1 ra
  163   o  50   30   4.0   4.0   6.3   6.3   -9.4 1 ra  -1.05E04 -2.37E04  -71.9 1 ra  -1.05E04 -2.37E04  0.00999.00  0.0    0.0 1 ra
        v 100   30  10.1  10.1   7.9   7.9  -41.7 1 ra   1.03E04 -2.66E05 1893.3 1 ra   1.03E04 -2.66E05  0.00999.00 20.6    0.0 1 ra
  972   o  65   30   6.0   6.0   6.3   6.3  -22.4 1 ra  -2.24E04  1.25E05  -54.1 1 ra  -2.24E04  1.25E05  0.00999.00  1.3    0.0 1 ra
        v  50   30   4.0   4.0   7.9   7.9  -53.5 1 ra  -1.61E04  2.10E05  575.7 1 ra  -1.61E04  2.10E05  0.00999.00 16.9    0.0 1 ra
```

```
Combinazione frequente
  nod sez   B    H   Af+   Af-   c+    c-    sc    c       N         M       sf    c       N          M  Wk(mm) Wklim   st  Sm(mm)    c
  133   o  70   30   6.0   6.0   6.3   6.3   -6.3 1 fr  -9.33E03 -2.55E04  -42.0 1 fr  -9.33E03 -2.55E04  0.00   0.20  0.0    0.0 1 fr
        v 100   30  10.1  10.1   7.9   7.9  -39.0 1 fr  -2.39E04 -3.17E05  402.2 1 fr  -2.39E04 -3.17E05  0.00   0.20 12.9    0.0 1 fr
  163   o  50   30   4.0   4.0   6.3   6.3   -9.4 1 fr  -1.05E04 -2.37E04  -71.9 1 fr  -1.05E04 -2.37E04  0.00   0.20  0.0    0.0 1 fr
        v 100   30  10.1  10.1   7.9   7.9  -41.7 1 fr   1.03E04 -2.66E05 1893.3 1 fr   1.03E04 -2.66E05  0.00   0.20 20.6    0.0 1 fr
  972   o  65   30   6.0   6.0   6.3   6.3  -22.4 1 fr  -2.24E04  1.25E05  -54.1 1 fr  -2.24E04  1.25E05  0.00   0.20  1.3    0.0 1 fr
        v  50   30   4.0   4.0   7.9   7.9  -53.5 1 fr  -1.61E04  2.10E05  575.7 1 fr  -1.61E04  2.10E05  0.00   0.20 16.9    0.0 1 fr
```

```
Combinazione quasi permanente
  nod sez   B    H   Af+   Af-   c+    c-    sc    c       N         M       sf    c       N          M  Wk(mm) Wklim   st  Sm(mm)    c
  133   o  70   30   6.0   6.0   6.3   6.3   -5.7 4 q.  -8.63E03 -2.21E04  -40.0 4 q.  -8.63E03 -2.21E04  0.00   0.20  0.0    0.0 1 q.
        v 100   30  10.1  10.1   7.9   7.9  -31.1 3 q.  -2.16E04 -2.60E05  257.4 3 q.  -2.16E04 -2.60E05  0.00   0.20 10.0    0.0 1 q.
  163   o  50   30   4.0   4.0   6.3   6.3   -6.7 4 q.  -8.72E03 -1.11E04  -68.8 4 q.  -8.72E03 -1.11E04  0.00   0.20  0.0    0.0 1 q.
        v 100   30  10.1  10.1   7.9   7.9  -33.5 4 q.   9.94E03 -2.13E05 1609.8 4 q.   9.94E03 -2.13E05  0.00   0.20 17.0    0.0 1 q.
  972   o  65   30   6.0   6.0   6.3   6.3  -21.3 4 q.  -2.09E04  1.21E05  -46.1 4 q.  -2.09E04  1.21E05  0.00   0.20  1.9    0.0 1 q.
        v  50   30   4.0   4.0   7.9   7.9  -50.1 4 q.  -1.49E04  1.96E05  557.7 3 q.  -1.47E04  1.94E05  0.00   0.20 15.9    0.0 1 q.
```

```
Verifica dei pannelli

Pannello : Pannello da Filo 61 a Filo 59

Sezione a quota -274
Coordinate dei vertici
     X       Y
 -135.0    15.0
 -135.0    31.0
 -105.0    31.0
 -105.0    15.0
  145.0    15.0
  145.0    31.0
```

```
 185.0    31.0
 185.0    15.0
 185.0   -15.0
-135.0   -15.0
```

Armature verticali
```
      X       Y     ø        X       Y     ø        X       Y     ø        X       Y     ø        X       Y     ø
 -115.0    -8.7    16    -95.0    -8.7    16    -75.0    -8.7    16    -55.0    -8.7    16    -35.0    -8.7    16
  -15.0    -8.7    16      5.0    -8.7    16     25.0    -8.7    16     45.0    -8.7    16     65.0    -8.7    16
   85.0    -8.7    16    105.0    -8.7    16    125.0    -8.7    16    145.0    -8.7    16    165.0    -8.7    16
 -115.0     8.7    16    -95.0     8.7    16    -75.0     8.7    16    -55.0     8.7    16    -35.0     8.7    16
  -15.0     8.7    16      5.0     8.7    16     25.0     8.7    16     45.0     8.7    16     65.0     8.7    16
   85.0     8.7    16    105.0     8.7    16    125.0     8.7    16    145.0     8.7    16    165.0     8.7    16
```

Sezione a quota -140
Coordinate dei vertici
```
      X        Y
 -135.0     15.0
 -135.0     33.8
 -105.0     33.8
 -105.0     15.0
  145.0     15.0
  145.0     33.8
  185.0     33.8
  185.0     15.0
  185.0    -15.0
 -135.0    -15.0
```

Armature verticali
```
      X       Y     ø        X       Y     ø        X       Y     ø        X       Y     ø        X       Y     ø
 -115.0    -8.7    16    -95.0    -8.7    16    -75.0    -8.7    16    -55.0    -8.7    16    -35.0    -8.7    16
  -15.0    -8.7    16      5.0    -8.7    16     25.0    -8.7    16     45.0    -8.7    16     65.0    -8.7    16
   85.0    -8.7    16    105.0    -8.7    16    125.0    -8.7    16    145.0    -8.7    16    165.0    -8.7    16
 -115.0     8.7    16    -95.0     8.7    16    -75.0     8.7    16    -55.0     8.7    16    -35.0     8.7    16
  -15.0     8.7    16      5.0     8.7    16     25.0     8.7    16     45.0     8.7    16     65.0     8.7    16
   85.0     8.7    16    105.0     8.7    16    125.0     8.7    16    145.0     8.7    16    165.0     8.7    16
```

Sezione a quota -6
Coordinate dei vertici
```
      X        Y
 -135.0    -15.0
 -135.0     15.0
  185.0     15.0
  185.0    -15.0
```

Armature verticali
```
      X       Y     ø        X       Y     ø        X       Y     ø        X       Y     ø        X       Y     ø
 -115.0    -8.7    16    -95.0    -8.7    16    -75.0    -8.7    16    -55.0    -8.7    16    -35.0    -8.7    16
  -15.0    -8.7    16      5.0    -8.7    16     25.0    -8.7    16     45.0    -8.7    16     65.0    -8.7    16
   85.0    -8.7    16    105.0    -8.7    16    125.0    -8.7    16    145.0    -8.7    16    165.0    -8.7    16
 -115.0     8.7    16    -95.0     8.7    16    -75.0     8.7    16    -55.0     8.7    16    -35.0     8.7    16
  -15.0     8.7    16      5.0     8.7    16     25.0     8.7    16     45.0     8.7    16     65.0     8.7    16
   85.0     8.7    16    105.0     8.7    16    125.0     8.7    16    145.0     8.7    16    165.0     8.7    16
```

Verifica eseguita come parete di fondazione comportamento non dissipativo
Le verifiche SLV sono state condotte con sollecitazioni derivate dalla famiglia di combinazioni 'SLV fondazioni'
```
 fcd fctd  Hcr q.Hcr   hw   Lw   n.p.   hs
 212   16  300   -5   300  320    2    198
```

Verifica a pressoflessione
```
quota       Mxd        Myd       Ned    Ngrav.    NReale    c.s. comb
 -274     29218    -442658    -28133    -28133    -28133  72.9081 7 SLU
 -274     26193   -2235176    -28123    -19454    -28123  45.5575 10 SLVFond
 -140    -82430    1537786    -30177    -30177    -30177  39.4643 7 SLU
 -140    -64433    1462629    -37007    -21130    -37007  39.3997 14 SLVFond
   -6     43830    5106251    -27871    -27871    -27871  13.6951 5 SLU
   -6     74057    4376812       728    -19989       728   7.2299 1 SLVFond
```

Verifica compressione del diagonale
```
quota  epsilon     VEd      Vrcd comb
 -274    1.00    -23971    411995 7 SLU
 -274    1.00    -49269    411993 10 SLVFond
 -140    1.00    -36243    412403 7 SLU
 -140    1.00    -69612    413199 10 SLVFond
   -6    1.00    -41175    411942 5 SLU
   -6    1.00    -69610    410187 6 SLVFond
```

Verifica trazione del diagonale
```
quota  alfaS   At    roh    rov       MEd      NEd      VEd     VRsd comb
 -274    0.00  60.3  0.0067 0.0063  -442658   -28133   -23971   201445 7 SLU
 -274    0.00  60.3  0.0067 0.0063 -2235176   -28123   -49269   201445 10 SLVFond
 -140    0.00  60.3  0.0067 0.0063  1537786   -30177   -36243   201445 7 SLU
 -140    0.00  60.3  0.0067 0.0063  1387765   -34157   -69612   201445 10 SLVFond
   -6    0.00  60.3  0.0054 0.0063  5106251   -27871   -41175   161156 5 SLU
   -6    0.00  60.3  0.0054 0.0063  6624242   -19093   -69610   161156 6 SLVFond
```

Parete pozzetto est
Parete fra le coordinate in pianta (725;950) (725;555)
da quota -395 a quota -5
Valori in daN, cm
C35/45_1: rck 450

```
fyk 4500
```

Verifica di stato limite ultimo

nod	sez	B	H	Af+	Af-	c+	c-	c.s.	comb	N	M	Nu	Mu
680	o	100	50	10.1	10.1	6.3	6.3	1.046	11 SLV	63746	-219257	66650	-229246
	v	100	50	16.3	16.3	8.0	8.0	4.266	6 SLV	22301	156749	95141	668731
1173	o	75	50	6.0	6.0	6.3	6.3	5.087	11 SLV	-63945	-1098804	-325295	-5589767
	v	50	50	10.3	10.3	8.0	8.0	1.950	2 SLV	25875	314688	50456	613643
1264	o	75	50	7.4	7.4	6.3	6.3	1.067	1 SLV	49839	-86777	53198	-92625
	v	50	50	4.0	4.0	7.9	7.9	6.784	16 SLV	-3187	167769	-21619	1138203

Combinazione rara

nod	sez	B	H	Af+	Af-	c+	c-	sc	c	N	M	sf	c	N	M	Wk(mm)	Wlim	st	Sm(mm)	c
680	o	100	50	10.1	10.1	6.3	6.3	-5.9	1 ra	3.20E03	-1.40E05	2040.1	1 ra	3.35E04	-1.41E05	0.00	999.00	9.8	0.0	1 ra
	v	100	50	16.3	16.3	8.0	8.0	-8.3	1 ra	-2.63E04	1.67E05	35.7	1 ra	-4.01E03	8.74E04	0.00	999.00	1.2	0.0	1 ra
1173	o	75	50	6.0	6.0	6.3	6.3	-34.3	1 ra	-3.81E04	-6.47E05	261.2	1 ra	-3.81E04	-6.47E05	0.00	999.00	10.1	0.0	1 ra
	v	50	50	10.3	10.3	8.0	8.0	-6.1	1 ra	6.28E03	1.22E05	642.1	1 ra	6.28E03	1.22E05	0.00	999.00	7.9	0.0	1 ra
1264	o	75	50	7.4	7.4	6.3	6.3	-2.9	1 ra	-5.41E03	5.16E04	-3.4	1 ra	-5.41E03	5.16E04	0.00	999.00	0.2	0.0	1 ra
	v	50	50	4.0	4.0	7.9	7.9	-2.8	1 ra	-3.98E03	2.82E04	-9.8	1 ra	-3.98E03	2.82E04	0.00	999.00	0.0	0.0	1 ra

Combinazione frequente

nod	sez	B	H	Af+	Af-	c+	c-	sc	c	N	M	sf	c	N	M	Wk(mm)	Wklim	st	Sm(mm)	c
680	o	100	50	10.1	10.1	6.3	6.3	-5.9	1 fr	3.20E03	-1.40E05	2040.1	1 fr	3.35E04	-1.41E05	0.00	0.20	9.8	0.0	1 fr
	v	100	50	16.3	16.3	8.0	8.0	-8.3	1 fr	-2.63E04	1.67E05	35.7	1 fr	-4.01E03	8.74E04	0.00	0.20	1.2	0.0	1 fr
1173	o	75	50	6.0	6.0	6.3	6.3	-34.3	1 fr	-3.81E04	-6.47E05	261.2	1 fr	-3.81E04	-6.47E05	0.00	0.20	10.1	0.0	1 fr
	v	50	50	10.3	10.3	8.0	8.0	-6.1	1 fr	6.28E03	1.22E05	642.1	1 fr	6.28E03	1.22E05	0.00	0.20	7.9	0.0	1 fr
1264	o	75	50	7.4	7.4	6.3	6.3	-2.9	1 fr	-5.41E03	5.16E04	-3.4	1 fr	-5.41E03	5.16E04	0.00	0.20	0.2	0.0	1 fr
	v	50	50	4.0	4.0	7.9	7.9	-2.8	1 fr	-3.98E03	2.82E04	-9.8	1 fr	-3.98E03	2.82E04	0.00	0.20	0.0	0.0	1 fr

Combinazione quasi permanente

nod	sez	B	H	Af+	Af-	c+	c-	sc	c	N	M	sf	c	N	M	Wk(mm)	Wklim	st	Sm(mm)	c
680	o	100	50	10.1	10.1	6.3	6.3	-5.6	4 q.	2.62E03	-1.29E05	1873.9	4 q.	3.06E04	-1.32E05	0.00	0.20	9.0	0.0	1 q.
	v	100	50	16.3	16.3	8.0	8.0	-7.5	4 q.	-2.28E04	1.57E05	85.6	2 q.	-1.55E03	8.10E04	0.00	0.20	1.5	0.0	1 q.
1173	o	75	50	6.0	6.0	6.3	6.3	-31.2	4 q.	-3.57E04	-5.92E05	222.5	3 q.	-3.47E04	-5.80E05	0.00	0.20	9.0	0.0	1 q.
	v	50	50	10.3	10.3	8.0	8.0	-4.6	3 q.	6.91E03	1.12E05	678.5	2 q.	7.60E03	1.09E05	0.00	0.20	7.8	0.0	1 q.
1264	o	75	50	7.4	7.4	6.3	6.3	-3.6	2 q.	-7.34E03	6.10E04	-7.8	2 q.	-7.34E03	6.10E04	0.00	0.20	0.2	0.0	1 q.
	v	50	50	4.0	4.0	7.9	7.9	-2.7	4 q.	-3.47E03	2.95E04	39.1	2 q.	1.34E02	-3.32E03	0.00	0.20	0.2	0.0	1 q.

Verifica dei pannelli

Pannello : Pannello da Filo 112 a (725;555)

Sezione a quota -274
Coordinate dei vertici

X	Y
-950.0	25.0
-555.0	25.0
-555.0	-25.0
-555.0	-67.3
-605.0	-67.3
-605.0	-25.0
-900.0	-25.0
-900.0	-67.3
-950.0	-67.3
-950.0	-25.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-935.3	-18.7	16	-915.3	-18.7	16	-895.3	-18.7	16	-875.3	-18.7	16	-855.3	-18.7	16
-835.3	-18.7	16	-815.3	-18.7	16	-795.3	-18.7	16	-775.3	-18.7	16	-755.3	-18.7	16
-735.3	-18.7	16	-715.3	-18.7	16	-695.3	-18.7	16	-675.3	-18.7	16	-655.3	-18.7	16
-635.3	-18.7	16	-615.3	-18.7	16	-595.3	-18.7	16	-575.3	-18.7	16	-935.3	18.7	16
-915.3	18.7	16	-895.3	18.7	16	-875.3	18.7	16	-855.3	18.7	16	-835.3	18.7	16
-815.3	18.7	16	-795.3	18.7	16	-775.3	18.7	16	-755.3	18.7	16	-735.3	18.7	16
-715.3	18.7	16	-695.3	18.7	16	-675.3	18.7	16	-655.3	18.7	16	-635.3	18.7	16
-615.3	18.7	16	-595.3	18.7	16	-575.3	18.7	16						

Sezione a quota -140
Coordinate dei vertici

X	Y
-950.0	-25.0
-950.0	25.0
-555.0	25.0
-555.0	-25.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-935.3	-18.7	16	-915.3	-18.7	16	-895.3	-18.7	16	-875.3	-18.7	16	-855.3	-18.7	16
-835.3	-18.7	16	-815.3	-18.7	16	-795.3	-18.7	16	-775.3	-18.7	16	-755.3	-18.7	16
-735.3	-18.7	16	-715.3	-18.7	16	-695.3	-18.7	16	-675.3	-18.7	16	-655.3	-18.7	16
-635.3	-18.7	16	-615.3	-18.7	16	-595.3	-18.7	16	-575.3	-18.7	16	-935.3	18.7	16
-915.3	18.7	16	-895.3	18.7	16	-875.3	18.7	16	-855.3	18.7	16	-835.3	18.7	16
-815.3	18.7	16	-795.3	18.7	16	-775.3	18.7	16	-755.3	18.7	16	-735.3	18.7	16
-715.3	18.7	16	-695.3	18.7	16	-675.3	18.7	16	-655.3	18.7	16	-635.3	18.7	16
-615.3	18.7	16	-595.3	18.7	16	-575.3	18.7	16						

Sezione a quota -6
Coordinate dei vertici

X	Y
-950.0	-25.0
-950.0	25.0
-555.0	25.0
-555.0	-25.0

Armature verticali

X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø	X	Y	ø
-935.3	-18.7	16	-915.3	-18.7	16	-895.3	-18.7	16	-875.3	-18.7	16	-855.3	-18.7	16
-835.3	-18.7	16	-815.3	-18.7	16	-795.3	-18.7	16	-775.3	-18.7	16	-755.3	-18.7	16
-735.3	-18.7	16	-715.3	-18.7	16	-695.3	-18.7	16	-675.3	-18.7	16	-655.3	-18.7	16
-635.3	-18.7	16	-615.3	-18.7	16	-595.3	-18.7	16	-575.3	-18.7	16	-935.3	18.7	16
-915.3	18.7	16	-895.3	18.7	16	-875.3	18.7	16	-855.3	18.7	16	-835.3	18.7	16
-815.3	18.7	16	-795.3	18.7	16	-775.3	18.7	16	-755.3	18.7	16	-735.3	18.7	16
-715.3	18.7	16	-695.3	18.7	16	-675.3	18.7	16	-655.3	18.7	16	-635.3	18.7	16
-615.3	18.7	16	-595.3	18.7	16	-575.3	18.7	16						

Verifica eseguita con comportamento non dissipativo
Le condizioni sismiche sono state moltiplicate per i rispettivi fattori di struttura

fcd	fctd	Hcr	q.Hcr	hw	Lw	n.p.	hs
212	16	390	-5	390	395	2	198

Verifica a pressoflessione

quota	Mxd	Myd	Ned	Ngrav.	NReale	c.s.	comb
-274	122965	-3336183	-58344	-58344	-58344	49.0725	8 SLU
-274	-333868	-5721245	58867	-43752	58867	3.3575	1 SLV
-140	-51385	-5974504	-45677	-45677	-45677	36.3606	6 SLU
-140	-57087	-7545012	55448	-35255	55448	3.1109	1 SLV
-6	611726	-2845708	-24163	-24163	-24163	20.3309	6 SLU
-6	491291	-6852448	29568	-18384	29568	4.3907	3 SLV

Verifica compressione del diagonale

quota	epsilon	VEd	Vrcd	comb
-274	1.00	16291	847217	6 SLU
-274	1.00	61528	847355	7 SLV
-140	1.00	8826	845153	6 SLU
-140	1.00	53657	843601	7 SLV
-6	1.00	-44469	841062	7 SLU
-6	1.00	-74553	849285	14 SLV

Verifica trazione del diagonale

quota	alfaS	At	roh	rov	MEd	NEd	VEd	VRsd	comb
-274	0.00	76.4	0.0040	0.0039	-3414595	-55999	16291	248642	6 SLU
-274	0.00	76.4	0.0040	0.0039	-1073866	-56688	61528	248642	7 SLV
-140	0.00	76.4	0.0040	0.0039	-5974504	-45677	8826	248642	6 SLU
-140	0.00	76.4	0.0040	0.0039	-6328375	-37918	53657	248642	7 SLV
-6	0.00	76.4	0.0081	0.0039	-2662837	-25225	-44469	499244	7 SLU
-6	0.00	76.4	0.0081	0.0039	3562260	-66335	-74553	499244	14 SLV

Parete pozzetto lato ingresso

Parete fra le coordinate in pianta (750;580) (-750;580)
da quota -395 a quota -5
Valori in daN, cm
C35/45_1: rck 450
fyk 4500

Verifica di stato limite ultimo

nod	sez	B	H	Af+	Af-	c+	c-	c.s.	comb	N	M	Nu	Mu
1133	o	75	50	30.0	30.0	8.8	8.8	1.027	8 SLV	-129761	-6348778	-133277	-6520793
	v	50	50	10.3	10.3	8.0	8.0	15.286	8 SLV	-1371	132492	-20962	2025305
1139	o	100	50	25.8	25.8	8.4	8.4	1.027	8 SLV	-12879	-4099905	-13232	-4212081
	v	50	50	10.3	10.3	8.0	8.0	4.934	3 SLV	7732	-175779	38149	-867287
1161	o	100	50	25.8	25.8	8.4	8.4	1.016	11 SLV	-5489	-4006440	-5579	-4072085
	v	50	50	10.3	10.3	8.0	8.0	5.363	16 SLV	7571	-152304	40605	-816816
1173	o	75	50	33.2	33.2	8.9	8.9	1.042	11 SLV	-128864	-6627975	-134316	-6908395
	v	50	50	10.3	10.3	8.0	8.0	5.263	6 SLV	-165	-312794	-870	-1646238

Combinazione rara

nod	sez	B	H	Af+	Af-	c+	c-	sc	c	N	M	sf	c	N	M	Wk(mm)	Wlim	st	Sm(mm)	c
1133	o	75	50	30.0	30.0	8.8	8.8	-128.4	1 ra	-7.60E04	-3.28E06	2134.3	1 ra	-7.60E04	-3.28E06	0.14	999.00	0.0	200.2	1 ra
	v	50	50	10.3	10.3	8.0	8.0	-5.7	1 ra	-2.74E03	-7.82E04	132.3	1 ra	-8.35E02	6.58E04	0.00	999.00	2.6	0.0	1 ra
1139	o	100	50	25.8	25.8	8.4	8.4	-66.0	1 ra	-1.62E03	-1.97E06	2202.0	1 ra	-1.62E03	-1.97E06	0.16	999.00	0.0	252.1	1 ra
	v	50	50	10.3	10.3	8.0	8.0	-8.0	1 ra	3.67E03	-1.25E05	555.1	1 ra	4.34E03	-1.28E05	0.00	999.00	7.4	0.0	1 ra
1161	o	100	50	25.8	25.8	8.4	8.4	-62.7	1 ra	1.99E03	-1.88E06	2174.9	1 ra	1.99E03	-1.88E06	0.13	999.00	0.0	181.8	1 ra
	v	50	50	10.3	10.3	8.0	8.0	-6.6	1 ra	4.78E03	-1.15E05	545.2	1 ra	4.78E03	-1.15E05	0.00	999.00	7.0	0.0	1 ra
1173	o	75	50	33.2	33.2	8.9	8.9	-126.0	1 ra	-7.32E04	-3.35E06	2076.4	1 ra	-7.32E04	-3.35E06	0.09	999.00	0.0	140.1	1 ra
	v	50	50	10.3	10.3	8.0	8.0	-4.8	1 ra	-7.33E02	6.51E04	135.3	1 ra	-7.33E02	6.51E04	0.00	999.00	2.6	0.0	1 ra

Combinazione frequente

nod	sez	B	H	Af+	Af-	c+	c-	sc	c	N	M	sf	c	N	M	Wk(mm)	Wklim	st	Sm(mm)	c
1133	o	75	50	30.0	30.0	8.8	8.8	-128.4	1 fr	-7.60E04	-3.28E06	2134.3	1 fr	-7.60E04	-3.28E06	0.14	0.20	0.0	200.2	1 fr
	v	50	50	10.3	10.3	8.0	8.0	-5.7	1 fr	-2.74E03	-7.82E04	132.3	1 fr	-8.35E02	6.58E04	0.00	0.20	2.6	0.0	1 fr
1139	o	100	50	25.8	25.8	8.4	8.4	-66.0	1 fr	-1.62E03	-1.97E06	2202.0	1 fr	-1.62E03	-1.97E06	0.16	0.20	0.0	252.1	1 fr
	v	50	50	10.3	10.3	8.0	8.0	-8.0	1 fr	3.67E03	-1.25E05	555.1	1 fr	4.34E03	-1.28E05	0.00	0.20	7.4	0.0	1 fr
1161	o	100	50	25.8	25.8	8.4	8.4	-62.7	1 fr	1.99E03	-1.88E06	2174.9	1 fr	1.99E03	-1.88E06	0.13	0.20	0.0	181.8	1 fr
	v	50	50	10.3	10.3	8.0	8.0	-6.6	1 fr	4.78E03	-1.15E05	545.2	1 fr	4.78E03	-1.15E05	0.00	0.20	7.0	0.0	1 fr
1173	o	75	50	33.2	33.2	8.9	8.9	-126.0	1 fr	-7.32E04	-3.35E06	2076.4	1 fr	-7.32E04	-3.35E06	0.09	0.20	0.0	140.1	1 fr
	v	50	50	10.3	10.3	8.0	8.0	-4.8	1 fr	-7.33E02	6.51E04	135.3	1 fr	-7.33E02	6.51E04	0.00	0.20	2.6	0.0	1 fr

Combinazione quasi permanente

nod	sez	B	H	Af+	Af-	c+	c-	sc	c	N	M	sf	c	N	M	Wk(mm)	Wklim	st	Sm(mm)	c
1133	o	75	50	30.0	30.0	8.8	8.8	-118.1	4 q.	-7.09E04	-3.02E06	1947.5	4 q.	-7.09E04	-3.02E06	0.12	0.20	0.0	199.9	4 q.
	v	50	50	10.3	10.3	8.0	8.0	-5.3	4 q.	-2.59E03	-7.28E04	116.1	4 q.	-7.61E02	5.82E04	0.00	0.20	2.3	0.0	1 q.
1139	o	100	50	25.8	25.8	8.4	8.4	-61.1	4 q.	-1.86E03	-1.82E06	2034.1	3 q.	-1.13E03	-1.81E06	0.14	0.20	0.0	252.2	3 q.
	v	50	50	10.3	10.3	8.0	8.0	-7.4	4 q.	3.28E03	-1.15E05	507.3	3 q.	3.96E03	-1.17E05	0.00	0.20	6.8	0.0	1 q.

```
1161  o 100  50  25.8  25.8   8.4   8.4  -58.0 4 q.   1.37E03 -1.73E06 1998.9 4 q.   1.37E03 -1.73E06  0.12  0.20  0.0  181.7 4 q.
      v  50  50  10.3  10.3   8.0   8.0   -6.1 4 q.   4.30E03 -1.06E05  495.5 4 q.   4.30E03 -1.06E05  0.00  0.20  6.4    0.0 1 q.
1173  o  75  50  33.2  33.2   8.9   8.9 -115.1 4 q.  -6.82E04 -3.06E06 1877.8 4 q.  -6.82E04 -3.06E06  0.08  0.20  0.0  139.9 4 q.
      v  50  50  10.3  10.3   8.0   8.0   -4.7 2 q.  -2.85E03 -6.59E04  117.7 4 q.  -6.04E02  5.61E04  0.00  0.20  2.3    0.0 1 q.
```

Verifica dei pannelli

Pannello : Pannello da Filo 112 a Filo 19

Sezione a quota -274
Coordinate dei vertici
```
    X       Y
-750.0    25.0
 750.0    25.0
 750.0   -25.0
 750.0   -67.3
 700.0   -67.3
 700.0   -25.0
-700.0   -25.0
-700.0   -67.3
-750.0   -67.3
-750.0   -25.0
```

Armature verticali
```
    X       Y    ø      X       Y    ø      X       Y    ø      X       Y    ø      X       Y    ø
-737.3  -18.7  16  -717.3  -18.7  16  -697.3  -18.7  16  -677.3  -18.7  16  -657.3  -18.7  16
-637.3  -18.7  16  -617.3  -18.7  16  -597.3  -18.7  16  -577.3  -18.7  16  -557.3  -18.7  16
-537.3  -18.7  16  -517.3  -18.7  16  -497.3  -18.7  16  -477.3  -18.7  16  -457.3  -18.7  16
-437.3  -18.7  16  -417.3  -18.7  16  -397.3  -18.7  16  -377.3  -18.7  16  -357.3  -18.7  16
-337.3  -18.7  16  -317.3  -18.7  16  -297.3  -18.7  16  -277.3  -18.7  16  -257.3  -18.7  16
-237.3  -18.7  16  -217.3  -18.7  16  -197.3  -18.7  16  -177.3  -18.7  16  -157.3  -18.7  16
-137.3  -18.7  16  -117.3  -18.7  16   -97.3  -18.7  16   -77.3  -18.7  16   -57.3  -18.7  16
 -37.3  -18.7  16   -17.3  -18.7  16     2.8  -18.7  16    22.8  -18.7  16    42.8  -18.7  16
  62.8  -18.7  16    82.8  -18.7  16   102.8  -18.7  16   122.8  -18.7  16   142.8  -18.7  16
 162.8  -18.7  16   182.8  -18.7  16   202.8  -18.7  16   222.8  -18.7  16   242.8  -18.7  16
 262.8  -18.7  16   282.8  -18.7  16   302.8  -18.7  16   322.8  -18.7  16   342.8  -18.7  16
 362.8  -18.7  16   382.8  -18.7  16   402.8  -18.7  16   422.8  -18.7  16   442.8  -18.7  16
 462.8  -18.7  16   482.8  -18.7  16   502.8  -18.7  16   522.8  -18.7  16   542.8  -18.7  16
 562.8  -18.7  16   582.8  -18.7  16   602.8  -18.7  16   622.8  -18.7  16   642.8  -18.7  16
 662.8  -18.7  16   682.8  -18.7  16   702.8  -18.7  16   722.8  -18.7  16   742.8  -18.7  16
-737.3   18.7  16  -717.3   18.7  16  -697.3   18.7  16  -677.3   18.7  16  -657.3   18.7  16
-637.3   18.7  16  -617.3   18.7  16  -597.3   18.7  16  -577.3   18.7  16  -557.3   18.7  16
-537.3   18.7  16  -517.3   18.7  16  -497.3   18.7  16  -477.3   18.7  16  -457.3   18.7  16
-437.3   18.7  16  -417.3   18.7  16  -397.3   18.7  16  -377.3   18.7  16  -357.3   18.7  16
-337.3   18.7  16  -317.3   18.7  16  -297.3   18.7  16  -277.3   18.7  16  -257.3   18.7  16
-237.3   18.7  16  -217.3   18.7  16  -197.3   18.7  16  -177.3   18.7  16  -157.3   18.7  16
-137.3   18.7  16  -117.3   18.7  16   -97.3   18.7  16   -77.3   18.7  16   -57.3   18.7  16
 -37.3   18.7  16   -17.3   18.7  16     2.8   18.7  16    22.8   18.7  16    42.8   18.7  16
  62.8   18.7  16    82.8   18.7  16   102.8   18.7  16   122.8   18.7  16   142.8   18.7  16
 162.8   18.7  16   182.8   18.7  16   202.8   18.7  16   222.8   18.7  16   242.8   18.7  16
 262.8   18.7  16   282.8   18.7  16   302.8   18.7  16   322.8   18.7  16   342.8   18.7  16
 362.8   18.7  16   382.8   18.7  16   402.8   18.7  16   422.8   18.7  16   442.8   18.7  16
 462.8   18.7  16   482.8   18.7  16   502.8   18.7  16   522.8   18.7  16   542.8   18.7  16
 562.8   18.7  16   582.8   18.7  16   602.8   18.7  16   622.8   18.7  16   642.8   18.7  16
 662.8   18.7  16   682.8   18.7  16   702.8   18.7  16   722.8   18.7  16   742.8   18.7  16
```

Sezione a quota -140
Coordinate dei vertici
```
    X       Y
-750.0   -25.0
-750.0    25.0
 750.0    25.0
 750.0   -25.0
```

Armature verticali
```
    X       Y    ø      X       Y    ø      X       Y    ø      X       Y    ø      X       Y    ø
-737.3  -18.7  16  -717.3  -18.7  16  -697.3  -18.7  16  -677.3  -18.7  16  -657.3  -18.7  16
-637.3  -18.7  16  -617.3  -18.7  16  -597.3  -18.7  16  -577.3  -18.7  16  -557.3  -18.7  16
-537.3  -18.7  16  -517.3  -18.7  16  -497.3  -18.7  16  -477.3  -18.7  16  -457.3  -18.7  16
-437.3  -18.7  16  -417.3  -18.7  16  -397.3  -18.7  16  -377.3  -18.7  16  -357.3  -18.7  16
-337.3  -18.7  16  -317.3  -18.7  16  -297.3  -18.7  16  -277.3  -18.7  16  -257.3  -18.7  16
-237.3  -18.7  16  -217.3  -18.7  16  -197.3  -18.7  16  -177.3  -18.7  16  -157.3  -18.7  16
-137.3  -18.7  16  -117.3  -18.7  16   -97.3  -18.7  16   -77.3  -18.7  16   -57.3  -18.7  16
 -37.3  -18.7  16   -17.3  -18.7  16     2.8  -18.7  16    22.8  -18.7  16    42.8  -18.7  16
  62.8  -18.7  16    82.8  -18.7  16   102.8  -18.7  16   122.8  -18.7  16   142.8  -18.7  16
 162.8  -18.7  16   182.8  -18.7  16   202.8  -18.7  16   222.8  -18.7  16   242.8  -18.7  16
 262.8  -18.7  16   282.8  -18.7  16   302.8  -18.7  16   322.8  -18.7  16   342.8  -18.7  16
 362.8  -18.7  16   382.8  -18.7  16   402.8  -18.7  16   422.8  -18.7  16   442.8  -18.7  16
 462.8  -18.7  16   482.8  -18.7  16   502.8  -18.7  16   522.8  -18.7  16   542.8  -18.7  16
 562.8  -18.7  16   582.8  -18.7  16   602.8  -18.7  16   622.8  -18.7  16   642.8  -18.7  16
 662.8  -18.7  16   682.8  -18.7  16   702.8  -18.7  16   722.8  -18.7  16   742.8  -18.7  16
-737.3   18.7  16  -717.3   18.7  16  -697.3   18.7  16  -677.3   18.7  16  -657.3   18.7  16
-637.3   18.7  16  -617.3   18.7  16  -597.3   18.7  16  -577.3   18.7  16  -557.3   18.7  16
-537.3   18.7  16  -517.3   18.7  16  -497.3   18.7  16  -477.3   18.7  16  -457.3   18.7  16
-437.3   18.7  16  -417.3   18.7  16  -397.3   18.7  16  -377.3   18.7  16  -357.3   18.7  16
-337.3   18.7  16  -317.3   18.7  16  -297.3   18.7  16  -277.3   18.7  16  -257.3   18.7  16
-237.3   18.7  16  -217.3   18.7  16  -197.3   18.7  16  -177.3   18.7  16  -157.3   18.7  16
-137.3   18.7  16  -117.3   18.7  16   -97.3   18.7  16   -77.3   18.7  16   -57.3   18.7  16
 -37.3   18.7  16   -17.3   18.7  16     2.8   18.7  16    22.8   18.7  16    42.8   18.7  16
  62.8   18.7  16    82.8   18.7  16   102.8   18.7  16   122.8   18.7  16   142.8   18.7  16
 162.8   18.7  16   182.8   18.7  16   202.8   18.7  16   222.8   18.7  16   242.8   18.7  16
 262.8   18.7  16   282.8   18.7  16   302.8   18.7  16   322.8   18.7  16   342.8   18.7  16
 362.8   18.7  16   382.8   18.7  16   402.8   18.7  16   422.8   18.7  16   442.8   18.7  16
 462.8   18.7  16   482.8   18.7  16   502.8   18.7  16   522.8   18.7  16   542.8   18.7  16
```

```
 562.8    18.7  16    582.8    18.7  16    602.8    18.7  16    622.8    18.7  16    642.8    18.7  16
 662.8    18.7  16    682.8    18.7  16    702.8    18.7  16    722.8    18.7  16    742.8    18.7  16
-554.3   -15.3  20   -554.3    15.3  20   -677.8   -15.3  20   -677.8    15.3  20   -659.3   -15.3  20
-659.3    15.3  20    661.0   -15.3  20    661.0    15.3  20    638.7   -15.3  20    638.7    15.3  20
-466.1   -15.3  20   -466.1    15.3  20
```

```
Sezione a quota -6
Coordinate dei vertici
      X        Y
 -750.0   -25.0
 -750.0    25.0
  750.0    25.0
  750.0   -25.0
```

```
Armature verticali
      X        Y    ø       X        Y    ø       X        Y    ø       X        Y    ø       X        Y    ø
 -737.3   -18.7  16  -717.3   -18.7  16  -697.3   -18.7  16  -677.3   -18.7  16  -657.3   -18.7  16
 -637.3   -18.7  16  -617.3   -18.7  16  -597.3   -18.7  16  -577.3   -18.7  16  -557.3   -18.7  16
 -537.3   -18.7  16  -517.3   -18.7  16  -497.3   -18.7  16  -477.3   -18.7  16  -457.3   -18.7  16
 -437.3   -18.7  16  -417.3   -18.7  16  -397.3   -18.7  16  -377.3   -18.7  16  -357.3   -18.7  16
 -337.3   -18.7  16  -317.3   -18.7  16  -297.3   -18.7  16  -277.3   -18.7  16  -257.3   -18.7  16
 -237.3   -18.7  16  -217.3   -18.7  16  -197.3   -18.7  16  -177.3   -18.7  16  -157.3   -18.7  16
 -137.3   -18.7  16  -117.3   -18.7  16   -97.3   -18.7  16   -77.3   -18.7  16   -57.3   -18.7  16
  -37.3   -18.7  16   -17.3   -18.7  16     2.8   -18.7  16    22.8   -18.7  16    42.8   -18.7  16
   62.8   -18.7  16    82.8   -18.7  16   102.8   -18.7  16   122.8   -18.7  16   142.8   -18.7  16
  162.8   -18.7  16   182.8   -18.7  16   202.8   -18.7  16   222.8   -18.7  16   242.8   -18.7  16
  262.8   -18.7  16   282.8   -18.7  16   302.8   -18.7  16   322.8   -18.7  16   342.8   -18.7  16
  362.8   -18.7  16   382.8   -18.7  16   402.8   -18.7  16   422.8   -18.7  16   442.8   -18.7  16
  462.8   -18.7  16   482.8   -18.7  16   502.8   -18.7  16   522.8   -18.7  16   542.8   -18.7  16
  562.8   -18.7  16   582.8   -18.7  16   602.8   -18.7  16   622.8   -18.7  16   642.8   -18.7  16
  662.8   -18.7  16   682.8   -18.7  16   702.8   -18.7  16   722.8   -18.7  16   742.8   -18.7  16
 -737.3    18.7  16  -717.3    18.7  16  -697.3    18.7  16  -677.3    18.7  16  -657.3    18.7  16
 -637.3    18.7  16  -617.3    18.7  16  -597.3    18.7  16  -577.3    18.7  16  -557.3    18.7  16
 -537.3    18.7  16  -517.3    18.7  16  -497.3    18.7  16  -477.3    18.7  16  -457.3    18.7  16
 -437.3    18.7  16  -417.3    18.7  16  -397.3    18.7  16  -377.3    18.7  16  -357.3    18.7  16
 -337.3    18.7  16  -317.3    18.7  16  -297.3    18.7  16  -277.3    18.7  16  -257.3    18.7  16
 -237.3    18.7  16  -217.3    18.7  16  -197.3    18.7  16  -177.3    18.7  16  -157.3    18.7  16
 -137.3    18.7  16  -117.3    18.7  16   -97.3    18.7  16   -77.3    18.7  16   -57.3    18.7  16
  -37.3    18.7  16   -17.3    18.7  16     2.8    18.7  16    22.8    18.7  16    42.8    18.7  16
   62.8    18.7  16    82.8    18.7  16   102.8    18.7  16   122.8    18.7  16   142.8    18.7  16
  162.8    18.7  16   182.8    18.7  16   202.8    18.7  16   222.8    18.7  16   242.8    18.7  16
  262.8    18.7  16   282.8    18.7  16   302.8    18.7  16   322.8    18.7  16   342.8    18.7  16
  362.8    18.7  16   382.8    18.7  16   402.8    18.7  16   422.8    18.7  16   442.8    18.7  16
  462.8    18.7  16   482.8    18.7  16   502.8    18.7  16   522.8    18.7  16   542.8    18.7  16
  562.8    18.7  16   582.8    18.7  16   602.8    18.7  16   622.8    18.7  16   642.8    18.7  16
  662.8    18.7  16   682.8    18.7  16   702.8    18.7  16   722.8    18.7  16   742.8    18.7  16
 -572.4   -15.3  20  -572.4    15.3  20   542.2   -15.3  20   542.2    15.3  20
```

```
Verifica eseguita come parete di fondazione comportamento non dissipativo
Le verifiche SLV sono state condotte con sollecitazioni derivate dalla famiglia di combinazioni 'SLV fondazioni'
 fcd fctd  Hcr q.Hcr   hw   Lw   n.p.    hs
 212   16  390    -5   390  1500    2    198
```

```
Verifica a pressoflessione
quota       Mxd         Myd         Ned      Ngrav.      NReale     c.s.  comb
-274   -14586570     -988350     -318030    -318030    -318030   5.3691  6 SLU
-274   -21232910   -26016980    -422556    -228466    -422556   3.3135  7 SLVFond
-140    13158560    -3404976    -277032    -277032    -277032   3.5360  6 SLU
-140    15934860   -21708500    -421998    -198573    -421998   3.3473  7 SLVFond
  -6    42476090    -4210494    -248162    -248162    -248162   1.8038  8 SLU
  -6    62333140     5105435    -445466    -177131    -445466   1.2548  11 SLVFond
```

```
Verifica compressione del diagonale
quota epsilon      VEd       Vrcd comb
-274    1.00     20227   3238350 8 SLU
-274    1.00    178034   3233534 16 SLVFond
-140    1.00     20232   3230147 8 SLU
-140    1.00    179841   3202752 14 SLVFond
  -6    1.00     20871   3224383 8 SLU
  -6    1.00    182836   3196285 14 SLVFond
```

```
Verifica trazione del diagonale
quota alfaS   At    roh     rov        MEd        NEd       VEd     VRsd comb
-274   0.00 301.6 0.0040  0.0040     915373    -317998     20227   944211 8 SLU
-274   0.00 301.6 0.0040  0.0040   71338660    -293918    178034   944211 16 SLVFond
-140   0.00 314.9 0.0040  0.0042   -1947131    -276986     20232   944211 8 SLU
-140   0.00 314.9 0.0040  0.0042   49973680    -275752    181240   944211 16 SLVFond
  -6   0.00 314.2 0.0082  0.0042   -4210494    -248162     20871  1935633 8 SLU
  -6   0.00 314.2 0.0082  0.0042   36368690    -266907    183709  1935633 16 SLVFond
```

Parete pozzetto lato vasche

```
Parete fra le coordinate in pianta (750;925) (-750;925)
da quota -395 a quota -5
Valori in daN, cm
C35/45_1: rck 450
fyk 4500
```

```
Verifica di stato limite ultimo
 nod sez  B   H  Af+  Af-  c+   c-    c.s.    comb       N        M       Nu       Mu
 334   o  75  50  8.0  8.0  6.3  6.3  1.095   1 SLV    46121  -222958    50488  -244071
```

```
      v 100  50  10.1  10.1   7.9   7.9   18.494    5 SLV    2068     46845    38248    866336
 1243 o  75  50  14.3  14.3   7.8   7.8    1.218   14 SLV   73552   -368415    89567   -448632
      v  50  50  10.3  10.3   8.0   8.0    8.928   14 SLV    3773    107348    33690    958456
```

Combinazione rara

```
 nod sez   B    H    Af+   Af-   c+    c-    sc   c      N        M       sf   c      N       M  Wk(mm)  Wlim   st Sm(mm)   c
 334 o  75  50   8.0   8.0  6.3   6.3  -1.6 1 ra -4.23E03 -1.77E04  -10.1 1 ra -4.23E03 -1.77E04  0.00999.00 0.0    0.0 1 ra
     v 100  50  10.1  10.1  7.9   7.9  -0.9 1 ra -2.85E02  1.85E04   33.5 1 ra -2.85E02  1.85E04  0.00999.00 0.4    0.0 1 ra
 1243 o  75  50  14.3  14.3  7.8   7.8 -31.7 1 ra  1.13E03 -6.40E05 1280.1 1 ra  1.13E03 -6.40E05  0.00999.00 19.5   0.0 1 ra
     v  50  50  10.3  10.3  8.0   8.0  -3.0 1 ra  3.40E00 -4.14E04  108.5 1 ra  3.40E00 -4.14E04  0.00999.00 1.9    0.0 1 ra
```

Combinazione frequente

```
 nod sez   B    H    Af+   Af-   c+    c-    sc   c      N        M       sf   c      N       M  Wk(mm)  Wklim   st Sm(mm)   c
 334 o  75  50   8.0   8.0  6.3   6.3  -1.6 1 fr -4.23E03 -1.77E04  -10.1 1 fr -4.23E03 -1.77E04   0.00   0.20  0.0    0.0 1 fr
     v 100  50  10.1  10.1  7.9   7.9  -0.9 1 fr -2.85E02  1.85E04   33.5 1 fr -2.85E02  1.85E04   0.00   0.20  0.4    0.0 1 fr
 1243 o  75  50  14.3  14.3  7.8   7.8 -31.7 1 fr  1.13E03 -6.40E05 1280.1 1 fr  1.13E03 -6.40E05   0.00   0.20 19.5    0.0 1 fr
     v  50  50  10.3  10.3  8.0   8.0  -3.0 1 fr  3.40E00 -4.14E04  108.5 1 fr  3.40E00 -4.14E04   0.00   0.20  1.9    0.0 1 fr
```

Combinazione quasi permanente

```
 nod sez   B    H    Af+   Af-   c+    c-    sc   c      N        M       sf   c      N       M  Wk(mm)  Wklim   st Sm(mm)   c
 334 o  75  50   8.0   8.0  6.3   6.3  -1.6 3 q. -4.66E03 -1.60E04  -16.0 2 q. -4.88E03 -7.09E03   0.00   0.20  0.0    0.0 1 q.
     v 100  50  10.1  10.1  7.9   7.9  -0.9 4 q. -4.21E02  1.93E04   31.1 3 q. -3.41E02  1.87E04   0.00   0.20  0.4    0.0 1 q.
 1243 o  75  50  14.3  14.3  7.8   7.8 -29.5 4 q. -1.07E03 -5.92E05 1109.2 4 q. -1.07E03 -5.92E05   0.00   0.20 17.5    0.0 1 q.
     v  50  50  10.3  10.3  8.0   8.0  -3.1 2 q. -5.57E01 -4.17E04  106.5 2 q. -5.57E01 -4.17E04   0.00   0.20  1.9    0.0 1 q.
```

Verifica dei pannelli

Pannello : Pannello da Filo 112 a Filo 19

Sezione a quota -274
Coordinate dei vertici

```
    X        Y
 -750.0    25.0
 -750.0    67.3
 -700.0    67.3
 -700.0    25.0
  700.0    25.0
  700.0    67.3
  750.0    67.3
  750.0    25.0
  750.0   -25.0
 -750.0   -25.0
```

Armature verticali

```
    X       Y     ø       X       Y     ø       X       Y     ø       X       Y     ø       X       Y     ø
 -742.8  -18.7   16  -722.8  -18.7   16  -702.8  -18.7   16  -682.8  -18.7   16  -662.8  -18.7   16
 -642.8  -18.7   16  -622.8  -18.7   16  -602.8  -18.7   16  -582.8  -18.7   16  -562.8  -18.7   16
 -542.8  -18.7   16  -522.8  -18.7   16  -502.8  -18.7   16  -482.8  -18.7   16  -462.8  -18.7   16
 -442.8  -18.7   16  -422.8  -18.7   16  -402.8  -18.7   16  -382.8  -18.7   16  -362.8  -18.7   16
 -342.8  -18.7   16  -322.8  -18.7   16  -302.8  -18.7   16  -282.8  -18.7   16  -262.8  -18.7   16
 -242.8  -18.7   16  -222.8  -18.7   16  -202.8  -18.7   16  -182.8  -18.7   16  -162.8  -18.7   16
 -142.8  -18.7   16  -122.8  -18.7   16  -102.8  -18.7   16   -82.8  -18.7   16   -62.8  -18.7   16
  -42.8  -18.7   16   -22.8  -18.7   16    -2.8  -18.7   16    17.3  -18.7   16    37.3  -18.7   16
   57.3  -18.7   16    77.3  -18.7   16    97.3  -18.7   16   117.3  -18.7   16   137.3  -18.7   16
  157.3  -18.7   16   177.3  -18.7   16   197.3  -18.7   16   217.3  -18.7   16   237.3  -18.7   16
  257.3  -18.7   16   277.3  -18.7   16   297.3  -18.7   16   317.3  -18.7   16   337.3  -18.7   16
  357.3  -18.7   16   377.3  -18.7   16   397.3  -18.7   16   417.3  -18.7   16   437.3  -18.7   16
  457.3  -18.7   16   477.3  -18.7   16   497.3  -18.7   16   517.3  -18.7   16   537.3  -18.7   16
  557.3  -18.7   16   577.3  -18.7   16   597.3  -18.7   16   617.3  -18.7   16   637.3  -18.7   16
  657.3  -18.7   16   677.3  -18.7   16   697.3  -18.7   16   717.3  -18.7   16   737.3  -18.7   16
 -742.8   18.7   16  -722.8   18.7   16  -702.8   18.7   16  -682.8   18.7   16  -662.8   18.7   16
 -642.8   18.7   16  -622.8   18.7   16  -602.8   18.7   16  -582.8   18.7   16  -562.8   18.7   16
 -542.8   18.7   16  -522.8   18.7   16  -502.8   18.7   16  -482.8   18.7   16  -462.8   18.7   16
 -442.8   18.7   16  -422.8   18.7   16  -402.8   18.7   16  -382.8   18.7   16  -362.8   18.7   16
 -342.8   18.7   16  -322.8   18.7   16  -302.8   18.7   16  -282.8   18.7   16  -262.8   18.7   16
 -242.8   18.7   16  -222.8   18.7   16  -202.8   18.7   16  -182.8   18.7   16  -162.8   18.7   16
 -142.8   18.7   16  -122.8   18.7   16  -102.8   18.7   16   -82.8   18.7   16   -62.8   18.7   16
  -42.8   18.7   16   -22.8   18.7   16    -2.8   18.7   16    17.3   18.7   16    37.3   18.7   16
   57.3   18.7   16    77.3   18.7   16    97.3   18.7   16   117.3   18.7   16   137.3   18.7   16
  157.3   18.7   16   177.3   18.7   16   197.3   18.7   16   217.3   18.7   16   237.3   18.7   16
  257.3   18.7   16   277.3   18.7   16   297.3   18.7   16   317.3   18.7   16   337.3   18.7   16
  357.3   18.7   16   377.3   18.7   16   397.3   18.7   16   417.3   18.7   16   437.3   18.7   16
  457.3   18.7   16   477.3   18.7   16   497.3   18.7   16   517.3   18.7   16   537.3   18.7   16
  557.3   18.7   16   577.3   18.7   16   597.3   18.7   16   617.3   18.7   16   637.3   18.7   16
  657.3   18.7   16   677.3   18.7   16   697.3   18.7   16   717.3   18.7   16   737.3   18.7   16
```

Sezione a quota -140
Coordinate dei vertici

```
    X        Y
 -750.0   -25.0
 -750.0    25.0
  750.0    25.0
  750.0   -25.0
```

Armature verticali

```
    X       Y     ø       X       Y     ø       X       Y     ø       X       Y     ø       X       Y     ø
 -742.8  -18.7   16  -722.8  -18.7   16  -702.8  -18.7   16  -682.8  -18.7   16  -662.8  -18.7   16
 -642.8  -18.7   16  -622.8  -18.7   16  -602.8  -18.7   16  -582.8  -18.7   16  -562.8  -18.7   16
 -542.8  -18.7   16  -522.8  -18.7   16  -502.8  -18.7   16  -482.8  -18.7   16  -462.8  -18.7   16
 -442.8  -18.7   16  -422.8  -18.7   16  -402.8  -18.7   16  -382.8  -18.7   16  -362.8  -18.7   16
 -342.8  -18.7   16  -322.8  -18.7   16  -302.8  -18.7   16  -282.8  -18.7   16  -262.8  -18.7   16
 -242.8  -18.7   16  -222.8  -18.7   16  -202.8  -18.7   16  -182.8  -18.7   16  -162.8  -18.7   16
 -142.8  -18.7   16  -122.8  -18.7   16  -102.8  -18.7   16   -82.8  -18.7   16   -62.8  -18.7   16
  -42.8  -18.7   16   -22.8  -18.7   16    -2.8  -18.7   16    17.3  -18.7   16    37.3  -18.7   16
```

```
    57.3  -18.7  16    77.3  -18.7  16    97.3  -18.7  16   117.3  -18.7  16   137.3  -18.7  16
   157.3  -18.7  16   177.3  -18.7  16   197.3  -18.7  16   217.3  -18.7  16   237.3  -18.7  16
   257.3  -18.7  16   277.3  -18.7  16   297.3  -18.7  16   317.3  -18.7  16   337.3  -18.7  16
   357.3  -18.7  16   377.3  -18.7  16   397.3  -18.7  16   417.3  -18.7  16   437.3  -18.7  16
   457.3  -18.7  16   477.3  -18.7  16   497.3  -18.7  16   517.3  -18.7  16   537.3  -18.7  16
   557.3  -18.7  16   577.3  -18.7  16   597.3  -18.7  16   617.3  -18.7  16   637.3  -18.7  16
   657.3  -18.7  16   677.3  -18.7  16   697.3  -18.7  16   717.3  -18.7  16   737.3  -18.7  16
  -742.8   18.7  16  -722.8   18.7  16  -702.8   18.7  16  -682.8   18.7  16  -662.8   18.7  16
  -642.8   18.7  16  -622.8   18.7  16  -602.8   18.7  16  -582.8   18.7  16  -562.8   18.7  16
  -542.8   18.7  16  -522.8   18.7  16  -502.8   18.7  16  -482.8   18.7  16  -462.8   18.7  16
  -442.8   18.7  16  -422.8   18.7  16  -402.8   18.7  16  -382.8   18.7  16  -362.8   18.7  16
  -342.8   18.7  16  -322.8   18.7  16  -302.8   18.7  16  -282.8   18.7  16  -262.8   18.7  16
  -242.8   18.7  16  -222.8   18.7  16  -202.8   18.7  16  -182.8   18.7  16  -162.8   18.7  16
  -142.8   18.7  16  -122.8   18.7  16  -102.8   18.7  16   -82.8   18.7  16   -62.8   18.7  16
   -42.8   18.7  16   -22.8   18.7  16    -2.8   18.7  16    17.3   18.7  16    37.3   18.7  16
    57.3   18.7  16    77.3   18.7  16    97.3   18.7  16   117.3   18.7  16   137.3   18.7  16
   157.3   18.7  16   177.3   18.7  16   197.3   18.7  16   217.3   18.7  16   237.3   18.7  16
   257.3   18.7  16   277.3   18.7  16   297.3   18.7  16   317.3   18.7  16   337.3   18.7  16
   357.3   18.7  16   377.3   18.7  16   397.3   18.7  16   417.3   18.7  16   437.3   18.7  16
   457.3   18.7  16   477.3   18.7  16   497.3   18.7  16   517.3   18.7  16   537.3   18.7  16
   557.3   18.7  16   577.3   18.7  16   597.3   18.7  16   617.3   18.7  16   637.3   18.7  16
   657.3   18.7  16   677.3   18.7  16   697.3   18.7  16   717.3   18.7  16   737.3   18.7  16
  -168.0  -15.3  20  -168.0   15.3  20   -20.8  -15.3  20   -20.8   15.3  20   130.2  -15.3  20
   130.2   15.3  20   -56.6  -15.3  20   -56.6   15.3  20  -132.1  -15.3  20  -132.1   15.3  20
    20.8  -15.3  20    20.8   15.3  20  -721.7  -15.3  20  -721.7   15.3  20  -624.5  -15.3  20
  -624.5   15.3  20  -566.4  -15.3  20  -566.4   15.3  20  -500.5  -15.3  20  -500.5   15.3  20
   742.9  -15.3  20   742.9   15.3  20   701.7  -15.3  20   701.7   15.3  20   662.6  -15.3  20
   662.6   15.3  20   628.0  -15.3  20   628.0   15.3  20   568.7  -15.3  20   568.7   15.3  20
  -254.7  -15.3  20  -254.7   15.3  20  -193.2  -15.3  20  -193.2   15.3  20  -117.3  -15.3  20
  -117.3   15.3  20   100.0  -15.3  20   100.0   15.3  20   171.0  -15.3  20   171.0   15.3  20
   212.3  -15.3  20   212.3   15.3  20  -712.5  -15.3  20  -712.5   15.3  20    82.9  -15.3  20
    82.9   15.3  20   113.2  -15.3  20   113.2   15.3  20    67.9  -15.3  20    67.9   15.3  20


Sezione a quota -6
Coordinate dei vertici
       X        Y
  -750.0   -25.0
  -750.0    25.0
   750.0    25.0
   750.0   -25.0


Armature verticali
       X        Y    ø        X        Y    ø        X        Y    ø        X        Y    ø        X        Y    ø
  -742.8  -18.7  16  -722.8  -18.7  16  -702.8  -18.7  16  -682.8  -18.7  16  -662.8  -18.7  16
  -642.8  -18.7  16  -622.8  -18.7  16  -602.8  -18.7  16  -582.8  -18.7  16  -562.8  -18.7  16
  -542.8  -18.7  16  -522.8  -18.7  16  -502.8  -18.7  16  -482.8  -18.7  16  -462.8  -18.7  16
  -442.8  -18.7  16  -422.8  -18.7  16  -402.8  -18.7  16  -382.8  -18.7  16  -362.8  -18.7  16
  -342.8  -18.7  16  -322.8  -18.7  16  -302.8  -18.7  16  -282.8  -18.7  16  -262.8  -18.7  16
  -242.8  -18.7  16  -222.8  -18.7  16  -202.8  -18.7  16  -182.8  -18.7  16  -162.8  -18.7  16
  -142.8  -18.7  16  -122.8  -18.7  16  -102.8  -18.7  16   -82.8  -18.7  16   -62.8  -18.7  16
   -42.8  -18.7  16   -22.8  -18.7  16    -2.8  -18.7  16    17.3  -18.7  16    37.3  -18.7  16
    57.3  -18.7  16    77.3  -18.7  16    97.3  -18.7  16   117.3  -18.7  16   137.3  -18.7  16
   157.3  -18.7  16   177.3  -18.7  16   197.3  -18.7  16   217.3  -18.7  16   237.3  -18.7  16
   257.3  -18.7  16   277.3  -18.7  16   297.3  -18.7  16   317.3  -18.7  16   337.3  -18.7  16
   357.3  -18.7  16   377.3  -18.7  16   397.3  -18.7  16   417.3  -18.7  16   437.3  -18.7  16
   457.3  -18.7  16   477.3  -18.7  16   497.3  -18.7  16   517.3  -18.7  16   537.3  -18.7  16
   557.3  -18.7  16   577.3  -18.7  16   597.3  -18.7  16   617.3  -18.7  16   637.3  -18.7  16
   657.3  -18.7  16   677.3  -18.7  16   697.3  -18.7  16   717.3  -18.7  16   737.3  -18.7  16
  -742.8   18.7  16  -722.8   18.7  16  -702.8   18.7  16  -682.8   18.7  16  -662.8   18.7  16
  -642.8   18.7  16  -622.8   18.7  16  -602.8   18.7  16  -582.8   18.7  16  -562.8   18.7  16
  -542.8   18.7  16  -522.8   18.7  16  -502.8   18.7  16  -482.8   18.7  16  -462.8   18.7  16
  -442.8   18.7  16  -422.8   18.7  16  -402.8   18.7  16  -382.8   18.7  16  -362.8   18.7  16
  -342.8   18.7  16  -322.8   18.7  16  -302.8   18.7  16  -282.8   18.7  16  -262.8   18.7  16
  -242.8   18.7  16  -222.8   18.7  16  -202.8   18.7  16  -182.8   18.7  16  -162.8   18.7  16
  -142.8   18.7  16  -122.8   18.7  16  -102.8   18.7  16   -82.8   18.7  16   -62.8   18.7  16
   -42.8   18.7  16   -22.8   18.7  16    -2.8   18.7  16    17.3   18.7  16    37.3   18.7  16
    57.3   18.7  16    77.3   18.7  16    97.3   18.7  16   117.3   18.7  16   137.3   18.7  16
   157.3   18.7  16   177.3   18.7  16   197.3   18.7  16   217.3   18.7  16   237.3   18.7  16
   257.3   18.7  16   277.3   18.7  16   297.3   18.7  16   317.3   18.7  16   337.3   18.7  16
   357.3   18.7  16   377.3   18.7  16   397.3   18.7  16   417.3   18.7  16   437.3   18.7  16
   457.3   18.7  16   477.3   18.7  16   497.3   18.7  16   517.3   18.7  16   537.3   18.7  16
   557.3   18.7  16   577.3   18.7  16   597.3   18.7  16   617.3   18.7  16   637.3   18.7  16
   657.3   18.7  16   677.3   18.7  16   697.3   18.7  16   717.3   18.7  16   737.3   18.7  16
   -56.6  -15.3  20   -56.6   15.3  20  -132.1  -15.3  20  -132.1   15.3  20    20.8  -15.3  20
    20.8   15.3  20   742.9  -15.3  20   742.9   15.3  20  -254.7  -15.3  20  -254.7   15.3  20
  -193.2  -15.3  20  -193.2   15.3  20  -117.3  -15.3  20  -117.3   15.3  20   100.0  -15.3  20
   100.0   15.3  20   171.0  -15.3  20   171.0   15.3  20   212.3  -15.3  20   212.3   15.3  20



Verifica eseguita come parete di fondazione comportamento non dissipativo
Le verifiche SLV sono state condotte con sollecitazioni derivate dalla famiglia di combinazioni 'SLV fondazioni'
 fcd fctd  Hcr q.Hcr   hw   Lw  n.p.    hs
 212   16  390    -5  390 1500    2    198

Verifica a pressoflessione
quota      Mxd        Myd        Ned     Ngrav.    NReale     c.s. comb
 -274   5491793    6188884   -276508   -276508   -276508  21.6993  7 SLU
 -274   4699460  -23862080     72299   -206345     72299   6.4261  5 SLVFond
 -140    143081    9696548   -239759   -239759   -239759  59.7305  8 SLU
 -140   1846008  -25277580    103272   -178428    103272   7.4888  6 SLVFond
   -6   6168440   13303330   -202890   -202890   -202890  13.2673  7 SLU
   -6   5902151   38643940    125835   -160275    125835   4.1176 10 SLVFond
```

```
Verifica compressione del diagonale
quota  epsilon     VEd      Vrcd comb
-274     1.00    -13613   3231375 6 SLU
-274     1.00    -65950   3228626 3 SLVFond
-140     1.00    -13432   3222647 6 SLU
-140     1.00    -63953   3223054 3 SLVFond
  -6     1.00    -13238   3216493 6 SLU
  -6     1.00    -67239   3220108 3 SLVFond


Verifica trazione del diagonale
quota  alfaS    At     roh     rov       MEd           NEd        VEd      VRsd comb
-274    0.00  301.6  0.0040  0.0040    4010822      -283125    -13613    944211 6 SLU
-274    0.00  301.6  0.0040  0.0040  -88492800      -269379    -65950    944211 3 SLVFond
-140    0.00  414.5  0.0040  0.0055    7395991      -239486    -13432    944211 6 SLU
-140    0.00  414.5  0.0040  0.0055  -85957940      -241521    -63953    944211 3 SLVFond
  -6    0.00  364.4  0.0082  0.0049   10682260      -208713    -13238   1935633 6 SLU
  -6    0.00  364.4  0.0082  0.0049 -109016100      -226791    -67239   1935633 3 SLVFond
```

Parete pozzetto Ovest

```
Parete fra le coordinate in pianta (-725;555) (-725;950)
da quota -395 a quota -5
Valori in daN, cm
C35/45_1: rck 450
fyk 4500


Verifica di stato limite ultimo
 nod sez  B   H   Af+   Af-   c+    c-    c.s.     comb      N        M        Nu        Mu
 677  o  75  50   6.0   6.0   6.3   6.3   5.553    8 SLV  -122834  -287758  -682156  -1598056
      v 100  50  12.1  12.1   7.9   7.9   3.316   13 SLV    17898   222577    59346    738006
 679  o  50  50  10.1  10.1   6.3   6.3   1.136    8 SLV    60417  -166041    68630   -188613
      v 100  50  12.1  12.1   7.9   7.9   3.182    9 SLV    23705   122946    75440    391264
1243  o  75  50   7.4   7.4   6.3   6.3   1.045   14 SLV    50779   -91353    53042    -95424
      v  50  50   6.0   6.0   7.9   7.9  11.047   14 SLV    -2058  -131868   -22729  -1456716


Combinazione rara
 nod sez  B   H   Af+   Af-   c+    c-    sc    c        N         M      sf    c        N         M   Wk(mm) Wlim   st Sm(mm)   c
 677  o  75  50   6.0   6.0   6.3   6.3 -23.1 1 ra -6.99E04 -1.80E05 -206.9 1 ra -6.99E04 -1.80E05  0.009 99.00  0.0    0.0 1 ra
      v 100  50  12.1  12.1   7.9   7.9 -16.6 1 ra -2.43E04  4.27E05  119.3 1 ra -2.43E04  4.27E05  0.009 99.00  5.1    0.0 1 ra
 679  o 100  50  10.1  10.1   6.3   6.3  -5.0 1 ra  3.18E03 -1.21E05 1939.1 1 ra  3.26E04 -1.20E05  0.009 99.00  9.1    0.0 1 ra
      v 100  50  12.1  12.1   7.9   7.9  -8.2 1 ra -2.55E04  1.59E05   72.4 1 ra -3.74E03  9.95E04  0.009 99.00  1.6    0.0 1 ra
1243  o  75  50   7.4   7.4   6.3   6.3  -2.2 1 ra -2.73E03  4.32E04   12.3 1 ra -2.73E03  4.32E04  0.009 99.00  0.6    0.0 1 ra
      v  50  50   6.0   6.0   7.9   7.9  -1.4 1 ra -3.22E03  3.79E03  -16.3 1 ra -3.22E03  3.79E03  0.009 99.00  0.0    0.0 1 ra


Combinazione frequente
 nod sez  B   H   Af+   Af-   c+    c-    sc    c        N         M      sf    c        N         M   Wk(mm) Wklim  st Sm(mm)   c
 677  o  75  50   6.0   6.0   6.3   6.3 -23.1 1 fr -6.99E04 -1.80E05 -206.9 1 fr -6.99E04 -1.80E05  0.00  0.20  0.0    0.0 1 fr
      v 100  50  12.1  12.1   7.9   7.9 -16.6 1 fr -2.43E04  4.27E05  119.3 1 fr -2.43E04  4.27E05  0.00  0.20  5.1    0.0 1 fr
 679  o 100  50  10.1  10.1   6.3   6.3  -5.0 1 fr  3.18E03 -1.21E05 1939.1 1 fr  3.26E04 -1.20E05  0.00  0.20  9.1    0.0 1 fr
      v 100  50  12.1  12.1   7.9   7.9  -8.2 1 fr -2.55E04  1.59E05   72.4 1 fr -3.74E03  9.95E04  0.00  0.20  1.6    0.0 1 fr
1243  o  75  50   7.4   7.4   6.3   6.3  -2.2 1 fr -2.73E03  4.32E04   12.3 1 fr -2.73E03  4.32E04  0.00  0.20  0.6    0.0 1 fr
      v  50  50   6.0   6.0   7.9   7.9  -1.4 1 fr -3.22E03  3.79E03  -16.3 1 fr -3.22E03  3.79E03  0.00  0.20  0.0    0.0 1 fr


Combinazione quasi permanente
 nod sez  B   H   Af+   Af-   c+    c-    sc    c        N         M      sf    c        N         M   Wk(mm) Wklim  st Sm(mm)   c
 677  o  75  50   6.0   6.0   6.3   6.3 -21.4 4 q. -6.48E04 -1.66E05 -192.4 4 q. -6.48E04 -1.66E05  0.00  0.20  0.0    0.0 1 q.
      v 100  50  12.1  12.1   7.9   7.9 -15.0 4 q. -2.13E04  3.85E05  120.2 2 q. -1.98E04  3.67E05  0.00  0.20  4.8    0.0 1 q.
 679  o 100  50  10.1  10.1   6.3   6.3  -4.9 3 q.  2.78E03 -1.16E05 1800.1 3 q.  2.99E04 -1.17E05  0.00  0.20  8.5    0.0 1 q.
      v 100  50  12.1  12.1   7.9   7.9  -7.3 4 q. -2.23E04  1.46E05  124.2 2 q. -1.54E03  8.66E04  0.00  0.20  1.7    0.0 1 q.
1243  o  75  50   7.4   7.4   6.3   6.3  -2.8 2 q. -4.86E03  5.34E04    2.7 4 q. -4.12E03  4.93E04  0.00  0.20  0.4    0.0 1 q.
      v  50  50   6.0   6.0   7.9   7.9  -1.4 3 q. -3.04E03  5.86E03  -14.4 3 q. -3.04E03  5.86E03  0.00  0.20  0.2    0.0 1 q.


Verifica dei pannelli

Pannello : Pannello da Filo 112 a (725;555)

Sezione a quota -274
Coordinate dei vertici
     X       Y
  555.0    25.0
  950.0    25.0
  950.0   -25.0
  950.0   -67.3
  900.0   -67.3
  900.0   -25.0
  605.0   -25.0
  605.0   -67.3
  555.0   -67.3
  555.0   -25.0

Armature verticali
     X        Y     ø       X        Y     ø       X        Y     ø       X        Y     ø       X        Y     ø
  575.3    -18.7   16    595.3    -18.7   16    615.3    -18.7   16    635.3    -18.7   16    655.3    -18.7   16
  675.3    -18.7   16    695.3    -18.7   16    715.3    -18.7   16    735.3    -18.7   16    755.3    -18.7   16
  775.3    -18.7   16    795.3    -18.7   16    815.3    -18.7   16    835.3    -18.7   16    855.3    -18.7   16
  875.3    -18.7   16    895.3    -18.7   16    915.3    -18.7   16    935.3    -18.7   16    575.3     18.7   16
  595.3     18.7   16    615.3     18.7   16    635.3     18.7   16    655.3     18.7   16    675.3     18.7   16
  695.3     18.7   16    715.3     18.7   16    735.3     18.7   16    755.3     18.7   16    775.3     18.7   16
  795.3     18.7   16    815.3     18.7   16    835.3     18.7   16    855.3     18.7   16    875.3     18.7   16
  895.3     18.7   16    915.3     18.7   16    935.3     18.7   16

Sezione a quota -140
Coordinate dei vertici
```

```
      X        Y
  555.0   -25.0
  555.0    25.0
  950.0    25.0
  950.0   -25.0
```

Armature verticali
```
      X        Y    ø        X        Y    ø        X        Y    ø        X        Y    ø        X        Y    ø
  575.3   -18.7   16   595.3   -18.7   16   615.3   -18.7   16   635.3   -18.7   16   655.3   -18.7   16
  675.3   -18.7   16   695.3   -18.7   16   715.3   -18.7   16   735.3   -18.7   16   755.3   -18.7   16
  775.3   -18.7   16   795.3   -18.7   16   815.3   -18.7   16   835.3   -18.7   16   855.3   -18.7   16
  875.3   -18.7   16   895.3   -18.7   16   915.3   -18.7   16   935.3   -18.7   16   575.3    18.7   16
  595.3    18.7   16   615.3    18.7   16   635.3    18.7   16   655.3    18.7   16   675.3    18.7   16
  695.3    18.7   16   715.3    18.7   16   735.3    18.7   16   755.3    18.7   16   775.3    18.7   16
  795.3    18.7   16   815.3    18.7   16   835.3    18.7   16   855.3    18.7   16   875.3    18.7   16
  895.3    18.7   16   915.3    18.7   16   935.3    18.7   16
```

Sezione a quota -6
Coordinate dei vertici
```
      X        Y
  555.0   -25.0
  555.0    25.0
  950.0    25.0
  950.0   -25.0
```

Armature verticali
```
      X        Y    ø        X        Y    ø        X        Y    ø        X        Y    ø        X        Y    ø
  575.3   -18.7   16   595.3   -18.7   16   615.3   -18.7   16   635.3   -18.7   16   655.3   -18.7   16
  675.3   -18.7   16   695.3   -18.7   16   715.3   -18.7   16   735.3   -18.7   16   755.3   -18.7   16
  775.3   -18.7   16   795.3   -18.7   16   815.3   -18.7   16   835.3   -18.7   16   855.3   -18.7   16
  875.3   -18.7   16   895.3   -18.7   16   915.3   -18.7   16   935.3   -18.7   16   575.3    18.7   16
  595.3    18.7   16   615.3    18.7   16   635.3    18.7   16   655.3    18.7   16   675.3    18.7   16
  695.3    18.7   16   715.3    18.7   16   735.3    18.7   16   755.3    18.7   16   775.3    18.7   16
  795.3    18.7   16   815.3    18.7   16   835.3    18.7   16   855.3    18.7   16   875.3    18.7   16
  895.3    18.7   16   915.3    18.7   16   935.3    18.7   16
```

Verifica eseguita con comportamento non dissipativo
Le condizioni sismiche sono state moltiplicate per i rispettivi fattori di struttura
```
 fcd fctd   Hcr  q.Hcr    hw     Lw    n.p.    hs
 212   16   390    -5     390    395     2     198
```

Verifica a pressoflessione
```
quota       Mxd          Myd         Ned      Ngrav.      NReale     c.s. comb
-274        92767      3141609    -53377      -53377      -53377   54.1522  6 SLU
-274      -308800      5288877     58701      -41204       58701    3.4542 14 SLV
-140       -69531      6286689    -41406      -41406      -41406   31.7439  7 SLU
-140       -65231      7235509     57080      -33547       57080    3.1137 14 SLV
  -6       504969      3374516    -21402      -21402      -21402   21.8089  8 SLU
  -6       209775      5667527     38170      -16804       38170    4.3329 14 SLV
```

Verifica compressione del diagonale
```
quota  epsilon      VEd        Vrcd comb
-274     1.00    -24523      846693  6 SLU
-274     1.00    -66201      848112 12 SLV
-140     1.00    -16255      844892  6 SLU
-140     1.00    -57965      844586 12 SLV
  -6     1.00     37904      840526  5 SLU
  -6     1.00     66347      848959  1 SLV
```

Verifica trazione del diagonale
```
quota  alfaS   At    roh      rov       MEd         NEd        VEd      VRsd comb
-274    0.00  76.4  0.0040   0.0039   3141609     -53377     -24523   248642  6 SLU
-274    0.00  76.4  0.0040   0.0039    332594     -60474     -66201   248642 12 SLV
-140    0.00  76.4  0.0040   0.0039   6234663     -44371     -16255   248642  6 SLU
-140    0.00  76.4  0.0040   0.0039   5713736     -42841     -57965   248642 12 SLV
  -6    0.00  76.4  0.0048   0.0039   3205708     -22544      37904   298371  5 SLU
  -6    0.00  76.4  0.0048   0.0039  -2229491     -64709      66347   298371  1 SLV
```

Parete pozzetto scarico E
Parete fra le coordinate in pianta (-25;-185) (-25;135)
da quota -355 a quota -5
Valori in daN, cm
C35/45_1: rck 450
fyk 4500

Verifica di stato limite ultimo
```
 nod sez   B    H   Af+   Af-   c+   c-    c.s.     comb       N        M       Nu        Mu
 621  o   50   30   4.0   4.0   6.3  6.3   1.247   11 SLV    22348   -41966    27875   -52346
      v  100   30  10.1  10.1   7.9  7.9   5.529    7 SLU    -3834  -222150   -21198 -1228337
 976  o   65   30   6.0   6.0   6.3  6.3   1.887   15 SLV    21082   -56814    39772  -107182
      v   50   30   4.0   4.0   7.9  7.9   5.759   11 SLV     2108   -46573    12140  -268221
```

Combinazione rara
```
 nod sez   B    H   Af+   Af-   c+   c-    sc    c       N         M        sf    c        N         M Wk(mm) Wlim   st Sm(mm)    c
 621  o   50   30   4.0   4.0   6.3  6.3 -12.8 1 ra  4.16E03 -4.93E04 1142.5 1 ra  4.16E03 -4.93E04  0.00999.00  9.1   0.0 1 ra
      v  100   30  10.1  10.1   7.9  7.9 -23.9 1 ra -2.76E03 -1.62E05  652.6 1 ra -2.76E03 -1.62E05  0.00999.00  9.6   0.0 1 ra
 976  o   65   30   6.0   6.0   6.3  6.3  -4.8 1 ra  5.81E03  3.93E04  840.2 1 ra  5.81E03  3.93E04  0.00999.00  6.8   0.0 1 ra
      v   50   30   4.0   4.0   7.9  7.9 -18.3 1 ra -3.14E03 -6.33E04  357.4 1 ra -3.14E03 -6.33E04  0.00999.00  6.2   0.0 1 ra
```

Combinazione frequente

```
nod sez   B    H   Af+   Af-   c+    c-    sc   c      N        M      sf   c      N        M Wk(mm) Wklim   st Sm(mm)   c
621   o  50   30   4.0   4.0  6.3   6.3 -12.8 1 fr  4.16E03 -4.93E04 1142.5 1 fr  4.16E03 -4.93E04  0.00  0.20  9.1   0.0 1 fr
      v 100   30  10.1   7.9  7.9   7.9 -23.9 1 fr -2.76E03 -1.62E05  652.6 1 fr -2.76E03 -1.62E05  0.00  0.20  9.6   0.0 1 fr
976   o  65   30   6.0   6.0  6.3   6.3  -4.8 1 fr  5.81E03  3.93E04  840.2 1 fr  5.81E03  3.93E04  0.00  0.20  6.8   0.0 1 fr
      v  50   30   4.0   4.0  7.9   7.9 -18.3 1 fr -3.14E03 -6.33E04  357.4 1 fr -3.14E03 -6.33E04  0.00  0.20  6.2   0.0 1 fr
```

Combinazione quasi permanente
```
nod sez   B    H   Af+   Af-   c+    c-    sc   c      N        M      sf   c      N        M Wk(mm) Wklim   st Sm(mm)   c
621   o  50   30   4.0   4.0  6.3   6.3 -11.6 4 q.  3.57E03 -4.43E04 1029.8 3 q.  3.79E03 -4.40E04  0.00  0.20  8.1   0.0 1 q.
      v 100   30  10.1  10.1  7.9   7.9 -20.2 4 q. -2.21E03 -1.37E05  556.3 4 q. -2.21E03 -1.37E05  0.00  0.20  8.2   0.0 1 q.
976   o  65   30   6.0   6.0  6.3   6.3  -5.7 2 q.  4.69E03  3.77E04  774.3 3 q.  5.28E03  3.71E04  0.00  0.20  6.3   0.0 1 q.
      v  50   30   4.0   4.0  7.9   7.9 -15.7 4 q. -2.89E03 -5.49E04  293.3 3 q. -2.82E03 -5.45E04  0.00  0.20  5.3   0.0 1 q.
```

Verifica dei pannelli

Pannello : Pannello da Filo 61 a Filo 59

Sezione a quota -274
Coordinate dei vertici
```
    X       Y
-185.0    15.0
-185.0    31.0
-145.0    31.0
-145.0    15.0
 105.0    15.0
 105.0    31.0
 135.0    31.0
 135.0    15.0
 135.0   -15.0
-145.0   -15.0
-145.0   -31.0
-185.0   -31.0
-185.0   -15.0
```

Armature verticali
```
    X       Y    ø       X       Y    ø       X       Y    ø       X       Y    ø       X       Y    ø
-165.0    -8.7  16  -145.0    -8.7  16  -125.0    -8.7  16  -105.0    -8.7  16   -85.0    -8.7  16
 -65.0    -8.7  16   -45.0    -8.7  16   -25.0    -8.7  16    -5.0    -8.7  16    15.0    -8.7  16
  35.0    -8.7  16    55.0    -8.7  16    75.0    -8.7  16    95.0    -8.7  16   115.0    -8.7  16
-165.0     8.7  16  -145.0     8.7  16  -125.0     8.7  16  -105.0     8.7  16   -85.0     8.7  16
 -65.0     8.7  16   -45.0     8.7  16   -25.0     8.7  16    -5.0     8.7  16    15.0     8.7  16
  35.0     8.7  16    55.0     8.7  16    75.0     8.7  16    95.0     8.7  16   115.0     8.7  16
```

Sezione a quota -140
Coordinate dei vertici
```
    X       Y
-185.0    15.0
-185.0    33.8
-145.0    33.8
-145.0    15.0
 105.0    15.0
 105.0    33.8
 135.0    33.8
 135.0    15.0
 135.0   -15.0
-145.0   -15.0
-145.0   -33.8
-185.0   -33.8
-185.0   -15.0
```

Armature verticali
```
    X       Y    ø       X       Y    ø       X       Y    ø       X       Y    ø       X       Y    ø
-165.0    -8.7  16  -145.0    -8.7  16  -125.0    -8.7  16  -105.0    -8.7  16   -85.0    -8.7  16
 -65.0    -8.7  16   -45.0    -8.7  16   -25.0    -8.7  16    -5.0    -8.7  16    15.0    -8.7  16
  35.0    -8.7  16    55.0    -8.7  16    75.0    -8.7  16    95.0    -8.7  16   115.0    -8.7  16
-165.0     8.7  16  -145.0     8.7  16  -125.0     8.7  16  -105.0     8.7  16   -85.0     8.7  16
 -65.0     8.7  16   -45.0     8.7  16   -25.0     8.7  16    -5.0     8.7  16    15.0     8.7  16
  35.0     8.7  16    55.0     8.7  16    75.0     8.7  16    95.0     8.7  16   115.0     8.7  16
```

Sezione a quota -6
Coordinate dei vertici
```
    X       Y
-185.0   -15.0
-185.0    15.0
 135.0    15.0
 135.0   -15.0
```

Armature verticali
```
    X       Y    ø       X       Y    ø       X       Y    ø       X       Y    ø       X       Y    ø
-165.0    -8.7  16  -145.0    -8.7  16  -125.0    -8.7  16  -105.0    -8.7  16   -85.0    -8.7  16
 -65.0    -8.7  16   -45.0    -8.7  16   -25.0    -8.7  16    -5.0    -8.7  16    15.0    -8.7  16
  35.0    -8.7  16    55.0    -8.7  16    75.0    -8.7  16    95.0    -8.7  16   115.0    -8.7  16
-165.0     8.7  16  -145.0     8.7  16  -125.0     8.7  16  -105.0     8.7  16   -85.0     8.7  16
 -65.0     8.7  16   -45.0     8.7  16   -25.0     8.7  16    -5.0     8.7  16    15.0     8.7  16
  35.0     8.7  16    55.0     8.7  16    75.0     8.7  16    95.0     8.7  16   115.0     8.7  16
```

Verifica eseguita come parete di fondazione comportamento non dissipativo
Le verifiche SLV sono state condotte con sollecitazioni derivate dalla famiglia di combinazioni 'SLV fondazioni'
```
 fcd fctd  Hcr q.Hcr  hw   Lw  n.p.   hs
 212  16   300   -5   300  320   2    198
```

Verifica a pressoflessione

Serbatoio Castellaneta - camera di manovra

```
quota      Mxd        Myd        Ned     Ngrav.    NReale    c.s.  comb
-274    284810    -679526    -38937    -38937    -38937  36.1338 6 SLU
-274    195913   -2165393    -17701    -26717    -17701  28.1483 7 SLVFond
-140    -56700     965652     -6501     -6501     -6501  90.1237 8 SLU
-140      9262    2072856     12321     -5115     12321   8.9226 15 SLVFond
  -6    132833    2808537     20687     20687     20687   5.7518 8 SLU
  -6    220872    4888957     35015     13210     35015   3.3540 15 SLVFond
```

Verifica compressione del diagonale
```
quota  epsilon       VEd       Vrcd comb
-274     1.00    -23377    414112 8 SLU
-274     1.00    -50406    408872 11 SLVFond
-140     1.00    -30956    407668 8 SLU
-140     1.00    -55175    406368 11 SLVFond
  -6     1.00    -34783    406368 6 SLU
  -6     1.00    -54254    406368 11 SLVFond
```

Verifica trazione del diagonale
```
quota  alfaS    At     roh     rov        MEd        NEd       VEd       VRsd comb
-274    0.00  60.3  0.0067  0.0063    -668944    -38722    -23377    201445 8 SLU
-274    0.00  60.3  0.0067  0.0063   -1949717    -12522    -50406    201445 11 SLVFond
-140    0.00  60.3  0.0067  0.0063     965652     -6501    -30956    201445 8 SLU
-140    0.00  60.3  0.0067  0.0063    1894612     11371    -55175    201445 11 SLVFond
  -6    0.00  60.3  0.0054  0.0063    2757068     20131    -34783    161156 6 SLU
  -6    0.00  60.3  0.0054  0.0063    6033906     27208    -54254    161156 11 SLVFond
```

Parete pozzetto scarico lato vasche

```
Parete fra le coordinate in pianta (-10;120) (-190;120)
da quota -355 a quota -5
Valori in daN, cm
C35/45_1: rck 450
fyk 4500
```

Verifica di stato limite ultimo
```
 nod sez   B   H   Af+   Af-   c+   c-    c.s.      comb      N         M        Nu        Mu
 163  o  50  30   4.0   4.0  6.3  6.3  23.262   10 SLV   -8076    -56325  -187856  -1310233
      v 100  30  10.1  10.1  7.9  7.9   3.162   13 SLV   12698   -169053    40154   -534597
 976  o  65  30   6.0   6.0  6.3  6.3   1.396   11 SLV   25928   -112885    36184   -157538
      v  50  30   4.0   4.0  7.9  7.9  20.717    5 SLU   -9869    -58577  -204450  -1213525
```

Combinazione rara
```
 nod sez   B   H   Af+   Af-   c+   c-    sc   c        N        M       sf    c        N       M Wk(mm) Wlim   st Sm(mm)   c
 163  o  50  30   4.0   4.0  6.3  6.3  -8.3 1 ra -7.12E03 -3.13E04  -32.3 1 ra -7.12E03 -3.13E04  0.00999.00  0.0     0.0 1 ra
      v 100  30  10.1  10.1  7.9  7.9 -24.5 1 ra  2.79E03 -1.58E05  936.4 1 ra  2.79E03 -1.58E05  0.00999.00 11.2     0.0 1 ra
 976  o  65  30   6.0   6.0  6.3  6.3  -8.9 1 ra  3.46E03  4.66E04  677.5 1 ra  3.46E03  4.66E04  0.00999.00  6.3     0.0 1 ra
      v  50  30   4.0   4.0  7.9  7.9 -10.1 1 ra -7.28E03 -4.31E04  -26.6 1 ra -7.28E03 -4.31E04  0.00999.00  0.9     0.0 1 ra
```

Combinazione frequente
```
 nod sez   B   H   Af+   Af-   c+   c-    sc   c        N        M       sf    c        N       M Wk(mm) Wklim  st Sm(mm)   c
 163  o  50  30   4.0   4.0  6.3  6.3  -8.3 1 fr -7.12E03 -3.13E04  -32.3 1 fr -7.12E03 -3.13E04  0.00   0.20  0.0     0.0 1 fr
      v 100  30  10.1  10.1  7.9  7.9 -24.5 1 fr  2.79E03 -1.58E05  936.4 1 fr  2.79E03 -1.58E05  0.00   0.20 11.2     0.0 1 fr
 976  o  65  30   6.0   6.0  6.3  6.3  -8.9 1 fr  3.46E03  4.66E04  677.5 1 fr  3.46E03  4.66E04  0.00   0.20  6.3     0.0 1 fr
      v  50  30   4.0   4.0  7.9  7.9 -10.1 1 fr -7.28E03 -4.31E04  -26.6 1 fr -7.28E03 -4.31E04  0.00   0.20  0.9     0.0 1 fr
```

Combinazione quasi permanente
```
 nod sez   B   H   Af+   Af-   c+   c-    sc   c        N        M       sf    c        N       M Wk(mm) Wklim  st Sm(mm)   c
 163  o  50  30   4.0   4.0  6.3  6.3  -7.6 4 q. -6.54E03 -2.91E04  -29.3 4 q. -6.54E03 -2.91E04  0.00   0.20  0.0     0.0 1 q.
      v 100  30  10.1  10.1  7.9  7.9 -20.8 4 q.  2.91E03 -1.34E05  824.6 4 q.  2.91E03 -1.34E05  0.00   0.20  9.6     0.0 1 q.
 976  o  65  30   6.0   6.0  6.3  6.3  -9.0 2 q.  2.57E03  4.55E04  631.6 3 q.  3.22E03  4.35E04  0.00   0.20  5.9     0.0 1 q.
      v  50  30   4.0   4.0  7.9  7.9  -8.8 4 q. -6.48E03 -3.74E04  -25.0 4 q. -6.48E03 -3.74E04  0.00   0.20  0.7     0.0 1 q.
```

Verifica dei pannelli

Pannello : Pannello da Filo 81 a Filo 61

Sezione a quota -274
Coordinate dei vertici
```
    X       Y
  10.0    15.0
  10.0    31.0
  40.0    31.0
  40.0    15.0
 160.0    15.0
 160.0    31.0
 190.0    31.0
 190.0    15.0
 190.0   -15.0
  10.0   -15.0
```

Armature verticali
```
    X       Y    ø       X       Y    ø       X       Y    ø       X       Y    ø       X       Y    ø
  17.3    -8.7   16    37.3    -8.7   16    57.3    -8.7   16    77.3    -8.7   16    97.3    -8.7   16
 117.3    -8.7   16   137.3    -8.7   16   157.3    -8.7   16   177.3    -8.7   16    17.3     8.7   16
  37.3     8.7   16    57.3     8.7   16    77.3     8.7   16    97.3     8.7   16   117.3     8.7   16
 137.3     8.7   16   157.3     8.7   16   177.3     8.7   16
```

Sezione a quota -140
Coordinate dei vertici
```
    X       Y
  10.0    15.0
  10.0    33.8
  40.0    33.8
```

```
 40.0    15.0
160.0    15.0
160.0    33.8
190.0    33.8
190.0    15.0
190.0   -15.0
 10.0   -15.0
```

Armature verticali
```
      X       Y      ø       X       Y      ø       X       Y      ø       X       Y      ø       X       Y      ø
   17.3    -8.7     16    37.3    -8.7     16    57.3    -8.7     16    77.3    -8.7     16    97.3    -8.7     16
  117.3    -8.7     16   137.3    -8.7     16   157.3    -8.7     16   177.3    -8.7     16    17.3     8.7     16
   37.3     8.7     16    57.3     8.7     16    77.3     8.7     16    97.3     8.7     16   117.3     8.7     16
  137.3     8.7     16   157.3     8.7     16   177.3     8.7     16
```

Sezione a quota -6
Coordinate dei vertici
```
      X       Y
   10.0   -15.0
   10.0    15.0
  190.0    15.0
  190.0   -15.0
```

Armature verticali
```
      X       Y      ø       X       Y      ø       X       Y      ø       X       Y      ø       X       Y      ø
   17.3    -8.7     16    37.3    -8.7     16    57.3    -8.7     16    77.3    -8.7     16    97.3    -8.7     16
  117.3    -8.7     16   137.3    -8.7     16   157.3    -8.7     16   177.3    -8.7     16    17.3     8.7     16
   37.3     8.7     16    57.3     8.7     16    77.3     8.7     16    97.3     8.7     16   117.3     8.7     16
  137.3     8.7     16   157.3     8.7     16   177.3     8.7     16
```

Verifica eseguita come parete di fondazione comportamento non dissipativo
Le verifiche SLV sono state condotte con sollecitazioni derivate dalla famiglia di combinazioni 'SLV fondazioni'
```
 fcd fctd  Hcr q.Hcr   hw    Lw   n.p.   hs
 212   16  300    -5   300   180    2    198
```

Verifica a pressoflessione
```
quota        Mxd        Myd       Ned     Ngrav.    NReale      c.s. comb
-274       37828    -226091    -17730    -17730    -17730   68.7231 5 SLU
-274       31123    -708414    -15622    -12115    -15622   49.7185 2 SLVFond
-140       22792    -911833    -24622    -24622    -24622   34.0379 7 SLU
-140        9789    -809025      7237    -16937      7237    8.4607 11 SLVFond
  -6     -226487   -2173512    -23966    -23966    -23966    8.3758 8 SLU
  -6      200008   -2155969     25724    -17646     25724    2.7163 11 SLVFond
```

Verifica compressione del diagonale
```
quota epsilon      VEd      Vrcd comb
-274     1.00     7654    232075 8 SLU
-274     1.00    18225    230304 15 SLVFond
-140     1.00     7103    233350 8 SLU
-140     1.00    19319    230171 15 SLVFond
  -6     1.00     8209    233375 8 SLU
  -6     1.00    19727    229161 15 SLVFond
```

Verifica trazione del diagonale
```
quota alfaS    At    roh     rov        MEd       NEd      VEd     VRsd comb
-274   0.00  36.2  0.0067  0.0067    -204434    -17466     7654   113313 8 SLU
-274   0.00  36.2  0.0067  0.0067     419561     -8608    18225   113313 15 SLVFond
-140   0.00  36.2  0.0067  0.0067    -914965    -23838     7103   113313 8 SLU
-140   0.00  36.2  0.0067  0.0067   -1057103     -7943    19319   113313 15 SLVFond
  -6   0.00  36.2  0.0054  0.0067   -2173512    -23966     8209    90650 8 SLU
  -6   0.00  36.2  0.0054  0.0067   -3095848     -2894    19727    90650 15 SLVFond
```

6.4 Verifiche giunti sismici

Verifica: stato di verifica
Bordo sinistro: spostamento bordo sinistro
Comb.: combinazione nella quale viene valutato lo spostamento
SpostIx: spostamento nodo iniziale (componente lungo asse globale X) [cm]
SpostIy: spostamento nodo iniziale (componente lungo asse globale Y) [cm]
SpostJx: spostamento nodo finale (componente lungo asse globale X) [cm]
SpostJy: spostamento nodo finale (componente lungo asse globale Y) [cm]
Bordo destro: spostamento bordo destro
Larghezza: larghezza del giunto
Min: larghezza minima [cm]
Max: larghezza massima [cm]

Le unità di misura delle verifiche elencate nel capitolo sono in [cm] ove non espressamente specificato.
Giunto sismico 650 fili 4-7
Verifiche condotte secondo D.M. 14-01-08 (N.T.C.)
Caratteristiche geometriche:
Larghezza del giunto: 6.3
Bordo sinistro
Elemento: Trave C.A. a Z 650[cm] filo 4 (-300; 971.2) [cm]
Punto iniziale: -750; 956.2
Punto finale: -300; 956.2
Nodo iniziale: 2760
Nodo finale: 2761
Bordo destro
Elemento: Trave C.A. a Z 650[cm] fili 7-24

```
Punto iniziale: 725; 950
Punto finale: -750; 950
Nodo iniziale: 2759
Nodo finale: 2742
```

Verifica del giunto sismico
Larghezza minima del giunto prevista dalla norma (§ 7.2.2)
Larghezza minima richiesta: 1/100 * h * ag*S/0.5g = 3.9 < 6.3 - SODDISFATTA
dove:

      h = 650 (misurata dallo zero sismico = 0)
      ag/g = 0.22 (SLV)
      S = 1.37 (SLV)

Valutazione della larghezza minima eseguita nelle combinazioni SLV (§ 7.2.2)
Coefficiente amplificativo parte sismica degli spostamenti SLV (§ 7.3.3.3 formula (7.3.8)): µd = 1
Valutazione della distanza tra i due bordi con spostamenti sismici per verificare l'eventuale martellamento
Larghezza minima SLV = 0.45 > 0 - SODDISFATTA
Larghezza massima SLV = 11.23
Larghezza minima SLO = 3.88
Larghezza massima SLO = 7.76
Valutazione larghezza giunto nelle combinazioni SLV

Bordo sinistro				Bordo destro					Larghezza		Verifica
Comb.	Spostlx	Spostly	SpostJx	SpostJy	Comb.	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
SLV 1	0	0	0	0	SLV 1	-6.252	-2.394	-6.264	-1.278	7.53	7.87	Si
					SLV 2	-6.027	-2.569	-6.039	-1.098	7.35	7.8	Si
					SLV 3	-5.844	0.805	-5.853	1.836	4.41	4.73	Si
					SLV 4	-5.618	0.63	-5.627	2.016	4.23	4.66	Si
					SLV 5	-2.481	-5.331	-2.496	-4.82	11.07	11.23	Si
					SLV 6	-2.294	-5.476	-2.31	-4.671	10.92	11.17	Si
					SLV 7	-1.119	5.332	-1.123	5.558	0.69	0.76	Si
					SLV 8	-0.933	5.187	-0.937	5.707	0.54	0.7	Si
					SLV 9	1.144	-4.637	1.129	-4.756	10.97	11.01	Si
					SLV 10	1.331	-4.782	1.315	-4.607	10.86	10.91	Si
					SLV 11	2.506	6.026	2.502	5.622	0.5	0.63	Si
					SLV 12	2.692	5.881	2.689	5.771	0.45	0.48	Si
					SLV 13	5.83	-0.08	5.819	-1.065	7.01	7.32	Si
					SLV 14	6.056	-0.255	6.045	-0.884	6.94	7.14	Si
					SLV 15	6.238	3.119	6.231	2.049	3.87	4.21	Si
					SLV 16	6.464	2.943	6.457	2.229	3.8	4.02	Si
SLV 2	0	0	0	0	SLV 1	-6.252	-2.394	-6.264	-1.278	7.53	7.87	Si
					SLV 2	-6.027	-2.569	-6.039	-1.098	7.35	7.8	Si
					SLV 3	-5.844	0.805	-5.853	1.836	4.41	4.73	Si
					SLV 4	-5.618	0.63	-5.627	2.016	4.23	4.66	Si
					SLV 5	-2.481	-5.331	-2.496	-4.82	11.07	11.23	Si
					SLV 6	-2.294	-5.476	-2.31	-4.671	10.92	11.17	Si
					SLV 7	-1.119	5.332	-1.123	5.558	0.69	0.76	Si
					SLV 8	-0.933	5.187	-0.937	5.707	0.54	0.7	Si
					SLV 9	1.144	-4.637	1.129	-4.756	10.97	11.01	Si
					SLV 10	1.331	-4.782	1.315	-4.607	10.86	10.91	Si
					SLV 11	2.506	6.026	2.502	5.622	0.5	0.63	Si
					SLV 12	2.692	5.881	2.689	5.771	0.45	0.48	Si
					SLV 13	5.83	-0.08	5.819	-1.065	7.01	7.32	Si
					SLV 14	6.056	-0.255	6.045	-0.884	6.94	7.14	Si
					SLV 15	6.238	3.119	6.231	2.049	3.87	4.21	Si
					SLV 16	6.464	2.943	6.457	2.229	3.8	4.02	Si
SLV 3	0	0	0	0	SLV 1	-6.252	-2.394	-6.264	-1.278	7.53	7.87	Si
					SLV 2	-6.027	-2.569	-6.039	-1.098	7.35	7.8	Si
					SLV 3	-5.844	0.805	-5.853	1.836	4.41	4.73	Si
					SLV 4	-5.618	0.63	-5.627	2.016	4.23	4.66	Si
					SLV 5	-2.481	-5.331	-2.496	-4.82	11.07	11.23	Si
					SLV 6	-2.294	-5.476	-2.31	-4.671	10.92	11.17	Si
					SLV 7	-1.119	5.332	-1.123	5.558	0.69	0.76	Si
					SLV 8	-0.933	5.187	-0.937	5.707	0.54	0.7	Si
					SLV 9	1.144	-4.637	1.129	-4.756	10.97	11.01	Si
					SLV 10	1.331	-4.782	1.315	-4.607	10.86	10.91	Si
					SLV 11	2.506	6.026	2.502	5.622	0.5	0.63	Si
					SLV 12	2.692	5.881	2.689	5.771	0.45	0.48	Si
					SLV 13	5.83	-0.08	5.819	-1.065	7.01	7.32	Si
					SLV 14	6.056	-0.255	6.045	-0.884	6.94	7.14	Si
					SLV 15	6.238	3.119	6.231	2.049	3.87	4.21	Si
					SLV 16	6.464	2.943	6.457	2.229	3.8	4.02	Si
SLV 4	0	0	0	0	SLV 1	-6.252	-2.394	-6.264	-1.278	7.53	7.87	Si
					SLV 2	-6.027	-2.569	-6.039	-1.098	7.35	7.8	Si
					SLV 3	-5.844	0.805	-5.853	1.836	4.41	4.73	Si
					SLV 4	-5.618	0.63	-5.627	2.016	4.23	4.66	Si
					SLV 5	-2.481	-5.331	-2.496	-4.82	11.07	11.23	Si
					SLV 6	-2.294	-5.476	-2.31	-4.671	10.92	11.17	Si
					SLV 7	-1.119	5.332	-1.123	5.558	0.69	0.76	Si
					SLV 8	-0.933	5.187	-0.937	5.707	0.54	0.7	Si
					SLV 9	1.144	-4.637	1.129	-4.756	10.97	11.01	Si
					SLV 10	1.331	-4.782	1.315	-4.607	10.86	10.91	Si
					SLV 11	2.506	6.026	2.502	5.622	0.5	0.63	Si
					SLV 12	2.692	5.881	2.689	5.771	0.45	0.48	Si
					SLV 13	5.83	-0.08	5.819	-1.065	7.01	7.32	Si
					SLV 14	6.056	-0.255	6.045	-0.884	6.94	7.14	Si
					SLV 15	6.238	3.119	6.231	2.049	3.87	4.21	Si
					SLV 16	6.464	2.943	6.457	2.229	3.8	4.02	Si
SLV 5	0	0	0	0	SLV 1	-6.252	-2.394	-6.264	-1.278	7.53	7.87	Si
					SLV 2	-6.027	-2.569	-6.039	-1.098	7.35	7.8	Si
					SLV 3	-5.844	0.805	-5.853	1.836	4.41	4.73	Si
					SLV 4	-5.618	0.63	-5.627	2.016	4.23	4.66	Si
					SLV 5	-2.481	-5.331	-2.496	-4.82	11.07	11.23	Si
					SLV 6	-2.294	-5.476	-2.31	-4.671	10.92	11.17	Si
					SLV 7	-1.119	5.332	-1.123	5.558	0.69	0.76	Si
					SLV 8	-0.933	5.187	-0.937	5.707	0.54	0.7	Si
					SLV 9	1.144	-4.637	1.129	-4.756	10.97	11.01	Si
					SLV 10	1.331	-4.782	1.315	-4.607	10.86	10.91	Si
					SLV 11	2.506	6.026	2.502	5.622	0.5	0.63	Si
					SLV 12	2.692	5.881	2.689	5.771	0.45	0.48	Si
					SLV 13	5.83	-0.08	5.819	-1.065	7.01	7.32	Si
					SLV 14	6.056	-0.255	6.045	-0.884	6.94	7.14	Si
					SLV 15	6.238	3.119	6.231	2.049	3.87	4.21	Si

Bordo sinistro					Bordo destro					Larghezza		Verifica
Comb.	Spostlx	Spostly	SpostJx	SpostJy	Comb.	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLV 16	6.464	2.943	6.457	2.229	3.8	4.02	Si
SLV 6	0	0	0	0	SLV 1	−6.252	−2.394	−6.264	−1.278	7.53	7.87	Si
					SLV 2	−6.027	−2.569	−6.039	−1.098	7.35	7.8	Si
					SLV 3	−5.844	0.805	−5.853	1.836	4.41	4.73	Si
					SLV 4	−5.618	0.63	−5.627	2.016	4.23	4.66	Si
					SLV 5	−2.481	−5.331	−2.496	−4.82	11.07	11.23	Si
					SLV 6	−2.294	−5.476	−2.31	−4.671	10.92	11.17	Si
					SLV 7	−1.119	5.332	−1.123	5.558	0.69	0.76	Si
					SLV 8	−0.933	5.187	−0.937	5.707	0.54	0.7	Si
					SLV 9	1.144	−4.637	1.129	−4.756	10.97	11.01	Si
					SLV 10	1.331	−4.782	1.315	−4.607	10.86	10.91	Si
					SLV 11	2.506	6.026	2.502	5.622	0.5	0.63	Si
					SLV 12	2.692	5.881	2.689	5.771	0.45	0.48	Si
					SLV 13	5.83	−0.08	5.819	−1.065	7.01	7.32	Si
					SLV 14	6.056	−0.255	6.045	−0.884	6.94	7.14	Si
					SLV 15	6.238	3.119	6.231	2.049	3.87	4.21	Si
					SLV 16	6.464	2.943	6.457	2.229	3.8	4.02	Si
SLV 7	0	0	0	0	SLV 1	−6.252	−2.394	−6.264	−1.278	7.53	7.87	Si
					SLV 2	−6.027	−2.569	−6.039	−1.098	7.35	7.8	Si
					SLV 3	−5.844	0.805	−5.853	1.836	4.41	4.73	Si
					SLV 4	−5.618	0.63	−5.627	2.016	4.23	4.66	Si
					SLV 5	−2.481	−5.331	−2.496	−4.82	11.07	11.23	Si
					SLV 6	−2.294	−5.476	−2.31	−4.671	10.92	11.17	Si
					SLV 7	−1.119	5.332	−1.123	5.558	0.69	0.76	Si
					SLV 8	−0.933	5.187	−0.937	5.707	0.54	0.7	Si
					SLV 9	1.144	−4.637	1.129	−4.756	10.97	11.01	Si
					SLV 10	1.331	−4.782	1.315	−4.607	10.86	10.91	Si
					SLV 11	2.506	6.026	2.502	5.622	0.5	0.63	Si
					SLV 12	2.692	5.881	2.689	5.771	0.45	0.48	Si
					SLV 13	5.83	−0.08	5.819	−1.065	7.01	7.32	Si
					SLV 14	6.056	−0.255	6.045	−0.884	6.94	7.14	Si
					SLV 15	6.238	3.119	6.231	2.049	3.87	4.21	Si
					SLV 16	6.464	2.943	6.457	2.229	3.8	4.02	Si
SLV 8	0	0	0	0	SLV 1	−6.252	−2.394	−6.264	−1.278	7.53	7.87	Si
					SLV 2	−6.027	−2.569	−6.039	−1.098	7.35	7.8	Si
					SLV 3	−5.844	0.805	−5.853	1.836	4.41	4.73	Si
					SLV 4	−5.618	0.63	−5.627	2.016	4.23	4.66	Si
					SLV 5	−2.481	−5.331	−2.496	−4.82	11.07	11.23	Si
					SLV 6	−2.294	−5.476	−2.31	−4.671	10.92	11.17	Si
					SLV 7	−1.119	5.332	−1.123	5.558	0.69	0.76	Si
					SLV 8	−0.933	5.187	−0.937	5.707	0.54	0.7	Si
					SLV 9	1.144	−4.637	1.129	−4.756	10.97	11.01	Si
					SLV 10	1.331	−4.782	1.315	−4.607	10.86	10.91	Si
					SLV 11	2.506	6.026	2.502	5.622	0.5	0.63	Si
					SLV 12	2.692	5.881	2.689	5.771	0.45	0.48	Si
					SLV 13	5.83	−0.08	5.819	−1.065	7.01	7.32	Si
					SLV 14	6.056	−0.255	6.045	−0.884	6.94	7.14	Si
					SLV 15	6.238	3.119	6.231	2.049	3.87	4.21	Si
					SLV 16	6.464	2.943	6.457	2.229	3.8	4.02	Si
SLV 9	0	0	0	0	SLV 1	−6.252	−2.394	−6.264	−1.278	7.53	7.87	Si
					SLV 2	−6.027	−2.569	−6.039	−1.098	7.35	7.8	Si
					SLV 3	−5.844	0.805	−5.853	1.836	4.41	4.73	Si
					SLV 4	−5.618	0.63	−5.627	2.016	4.23	4.66	Si
					SLV 5	−2.481	−5.331	−2.496	−4.82	11.07	11.23	Si
					SLV 6	−2.294	−5.476	−2.31	−4.671	10.92	11.17	Si
					SLV 7	−1.119	5.332	−1.123	5.558	0.69	0.76	Si
					SLV 8	−0.933	5.187	−0.937	5.707	0.54	0.7	Si
					SLV 9	1.144	−4.637	1.129	−4.756	10.97	11.01	Si
					SLV 10	1.331	−4.782	1.315	−4.607	10.86	10.91	Si
					SLV 11	2.506	6.026	2.502	5.622	0.5	0.63	Si
					SLV 12	2.692	5.881	2.689	5.771	0.45	0.48	Si
					SLV 13	5.83	−0.08	5.819	−1.065	7.01	7.32	Si
					SLV 14	6.056	−0.255	6.045	−0.884	6.94	7.14	Si
					SLV 15	6.238	3.119	6.231	2.049	3.87	4.21	Si
					SLV 16	6.464	2.943	6.457	2.229	3.8	4.02	Si
SLV 10	0	0	0	0	SLV 1	−6.252	−2.394	−6.264	−1.278	7.53	7.87	Si
					SLV 2	−6.027	−2.569	−6.039	−1.098	7.35	7.8	Si
					SLV 3	−5.844	0.805	−5.853	1.836	4.41	4.73	Si
					SLV 4	−5.618	0.63	−5.627	2.016	4.23	4.66	Si
					SLV 5	−2.481	−5.331	−2.496	−4.82	11.07	11.23	Si
					SLV 6	−2.294	−5.476	−2.31	−4.671	10.92	11.17	Si
					SLV 7	−1.119	5.332	−1.123	5.558	0.69	0.76	Si
					SLV 8	−0.933	5.187	−0.937	5.707	0.54	0.7	Si
					SLV 9	1.144	−4.637	1.129	−4.756	10.97	11.01	Si
					SLV 10	1.331	−4.782	1.315	−4.607	10.86	10.91	Si
					SLV 11	2.506	6.026	2.502	5.622	0.5	0.63	Si
					SLV 12	2.692	5.881	2.689	5.771	0.45	0.48	Si
					SLV 13	5.83	−0.08	5.819	−1.065	7.01	7.32	Si
					SLV 14	6.056	−0.255	6.045	−0.884	6.94	7.14	Si
					SLV 15	6.238	3.119	6.231	2.049	3.87	4.21	Si
					SLV 16	6.464	2.943	6.457	2.229	3.8	4.02	Si
SLV 11	0	0	0	0	SLV 1	−6.252	−2.394	−6.264	−1.278	7.53	7.87	Si
					SLV 2	−6.027	−2.569	−6.039	−1.098	7.35	7.8	Si
					SLV 3	−5.844	0.805	−5.853	1.836	4.41	4.73	Si
					SLV 4	−5.618	0.63	−5.627	2.016	4.23	4.66	Si
					SLV 5	−2.481	−5.331	−2.496	−4.82	11.07	11.23	Si
					SLV 6	−2.294	−5.476	−2.31	−4.671	10.92	11.17	Si
					SLV 7	−1.119	5.332	−1.123	5.558	0.69	0.76	Si
					SLV 8	−0.933	5.187	−0.937	5.707	0.54	0.7	Si
					SLV 9	1.144	−4.637	1.129	−4.756	10.97	11.01	Si
					SLV 10	1.331	−4.782	1.315	−4.607	10.86	10.91	Si
					SLV 11	2.506	6.026	2.502	5.622	0.5	0.63	Si
					SLV 12	2.692	5.881	2.689	5.771	0.45	0.48	Si
					SLV 13	5.83	−0.08	5.819	−1.065	7.01	7.32	Si
					SLV 14	6.056	−0.255	6.045	−0.884	6.94	7.14	Si
					SLV 15	6.238	3.119	6.231	2.049	3.87	4.21	Si
					SLV 16	6.464	2.943	6.457	2.229	3.8	4.02	Si
SLV 12	0	0	0	0	SLV 1	−6.252	−2.394	−6.264	−1.278	7.53	7.87	Si
					SLV 2	−6.027	−2.569	−6.039	−1.098	7.35	7.8	Si
					SLV 3	−5.844	0.805	−5.853	1.836	4.41	4.73	Si

Serbatoio Castellaneta - camera di manovra

Bordo sinistro					Bordo destro					Larghezza		Verifica
Comb.	Spostlx	Spostly	SpostJx	SpostJy	Comb.	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLV 4	−5.618	0.63	−5.627	2.016	4.23	4.66	Si
					SLV 5	−2.481	−5.331	−2.496	−4.82	11.07	11.23	Si
					SLV 6	−2.294	−5.476	−2.31	−4.671	10.92	11.17	Si
					SLV 7	−1.119	5.332	−1.123	5.558	0.69	0.76	Si
					SLV 8	−0.933	5.187	−0.937	5.707	0.54	0.7	Si
					SLV 9	1.144	−4.637	1.129	−4.756	10.97	11.01	Si
					SLV 10	1.331	−4.782	1.315	−4.607	10.86	10.91	Si
					SLV 11	2.506	6.026	2.502	5.622	0.5	0.63	Si
					SLV 12	2.692	5.881	2.689	5.771	0.45	0.48	Si
					SLV 13	5.83	−0.08	5.819	−1.065	7.01	7.32	Si
					SLV 14	6.056	−0.255	6.045	−0.884	6.94	7.14	Si
					SLV 15	6.238	3.119	6.231	2.049	3.87	4.21	Si
					SLV 16	6.464	2.943	6.457	2.229	3.8	4.02	Si
SLV 13	0	0	0	0	SLV 1	−6.252	−2.394	−6.264	−1.278	7.53	7.87	Si
					SLV 2	−6.027	−2.569	−6.039	−1.098	7.35	7.8	Si
					SLV 3	−5.844	0.805	−5.853	1.836	4.41	4.73	Si
					SLV 4	−5.618	0.63	−5.627	2.016	4.23	4.66	Si
					SLV 5	−2.481	−5.331	−2.496	−4.82	11.07	11.23	Si
					SLV 6	−2.294	−5.476	−2.31	−4.671	10.92	11.17	Si
					SLV 7	−1.119	5.332	−1.123	5.558	0.69	0.76	Si
					SLV 8	−0.933	5.187	−0.937	5.707	0.54	0.7	Si
					SLV 9	1.144	−4.637	1.129	−4.756	10.97	11.01	Si
					SLV 10	1.331	−4.782	1.315	−4.607	10.86	10.91	Si
					SLV 11	2.506	6.026	2.502	5.622	0.5	0.63	Si
					SLV 12	2.692	5.881	2.689	5.771	0.45	0.48	Si
					SLV 13	5.83	−0.08	5.819	−1.065	7.01	7.32	Si
					SLV 14	6.056	−0.255	6.045	−0.884	6.94	7.14	Si
					SLV 15	6.238	3.119	6.231	2.049	3.87	4.21	Si
					SLV 16	6.464	2.943	6.457	2.229	3.8	4.02	Si
SLV 14	0	0	0	0	SLV 1	−6.252	−2.394	−6.264	−1.278	7.53	7.87	Si
					SLV 2	−6.027	−2.569	−6.039	−1.098	7.35	7.8	Si
					SLV 3	−5.844	0.805	−5.853	1.836	4.41	4.73	Si
					SLV 4	−5.618	0.63	−5.627	2.016	4.23	4.66	Si
					SLV 5	−2.481	−5.331	−2.496	−4.82	11.07	11.23	Si
					SLV 6	−2.294	−5.476	−2.31	−4.671	10.92	11.17	Si
					SLV 7	−1.119	5.332	−1.123	5.558	0.69	0.76	Si
					SLV 8	−0.933	5.187	−0.937	5.707	0.54	0.7	Si
					SLV 9	1.144	−4.637	1.129	−4.756	10.97	11.01	Si
					SLV 10	1.331	−4.782	1.315	−4.607	10.86	10.91	Si
					SLV 11	2.506	6.026	2.502	5.622	0.5	0.63	Si
					SLV 12	2.692	5.881	2.689	5.771	0.45	0.48	Si
					SLV 13	5.83	−0.08	5.819	−1.065	7.01	7.32	Si
					SLV 14	6.056	−0.255	6.045	−0.884	6.94	7.14	Si
					SLV 15	6.238	3.119	6.231	2.049	3.87	4.21	Si
					SLV 16	6.464	2.943	6.457	2.229	3.8	4.02	Si
SLV 15	0	0	0	0	SLV 1	−6.252	−2.394	−6.264	−1.278	7.53	7.87	Si
					SLV 2	−6.027	−2.569	−6.039	−1.098	7.35	7.8	Si
					SLV 3	−5.844	0.805	−5.853	1.836	4.41	4.73	Si
					SLV 4	−5.618	0.63	−5.627	2.016	4.23	4.66	Si
					SLV 5	−2.481	−5.331	−2.496	−4.82	11.07	11.23	Si
					SLV 6	−2.294	−5.476	−2.31	−4.671	10.92	11.17	Si
					SLV 7	−1.119	5.332	−1.123	5.558	0.69	0.76	Si
					SLV 8	−0.933	5.187	−0.937	5.707	0.54	0.7	Si
					SLV 9	1.144	−4.637	1.129	−4.756	10.97	11.01	Si
					SLV 10	1.331	−4.782	1.315	−4.607	10.86	10.91	Si
					SLV 11	2.506	6.026	2.502	5.622	0.5	0.63	Si
					SLV 12	2.692	5.881	2.689	5.771	0.45	0.48	Si
					SLV 13	5.83	−0.08	5.819	−1.065	7.01	7.32	Si
					SLV 14	6.056	−0.255	6.045	−0.884	6.94	7.14	Si
					SLV 15	6.238	3.119	6.231	2.049	3.87	4.21	Si
					SLV 16	6.464	2.943	6.457	2.229	3.8	4.02	Si
SLV 16	0	0	0	0	SLV 1	−6.252	−2.394	−6.264	−1.278	7.53	7.87	Si
					SLV 2	−6.027	−2.569	−6.039	−1.098	7.35	7.8	Si
					SLV 3	−5.844	0.805	−5.853	1.836	4.41	4.73	Si
					SLV 4	−5.618	0.63	−5.627	2.016	4.23	4.66	Si
					SLV 5	−2.481	−5.331	−2.496	−4.82	11.07	11.23	Si
					SLV 6	−2.294	−5.476	−2.31	−4.671	10.92	11.17	Si
					SLV 7	−1.119	5.332	−1.123	5.558	0.69	0.76	Si
					SLV 8	−0.933	5.187	−0.937	5.707	0.54	0.7	Si
					SLV 9	1.144	−4.637	1.129	−4.756	10.97	11.01	Si
					SLV 10	1.331	−4.782	1.315	−4.607	10.86	10.91	Si
					SLV 11	2.506	6.026	2.502	5.622	0.5	0.63	Si
					SLV 12	2.692	5.881	2.689	5.771	0.45	0.48	Si
					SLV 13	5.83	−0.08	5.819	−1.065	7.01	7.32	Si
					SLV 14	6.056	−0.255	6.045	−0.884	6.94	7.14	Si
					SLV 15	6.238	3.119	6.231	2.049	3.87	4.21	Si
					SLV 16	6.464	2.943	6.457	2.229	3.8	4.02	Si

Valutazione larghezza giunto nelle combinazioni SLO

Bordo sinistro					Bordo destro					Larghezza		Verifica
Comb.	Spostlx	Spostly	SpostJx	SpostJy	Comb.	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
SLO 1	0	0	0	0	SLO 1	−2.169	−0.681	−2.179	−0.148	6.4	6.56	Si
					SLO 2	−2.087	−0.745	−2.097	−0.083	6.33	6.54	Si
					SLO 3	−2.023	0.462	−2.032	0.964	5.29	5.44	Si
					SLO 4	−1.941	0.399	−1.95	1.03	5.22	5.41	Si
					SLO 5	−0.819	−1.729	−0.831	−1.417	7.67	7.76	Si
					SLO 6	−0.751	−1.781	−0.763	−1.363	7.61	7.74	Si
					SLO 7	−0.334	2.082	−0.341	2.293	3.96	4.02	Si
					SLO 8	−0.266	2.029	−0.273	2.347	3.9	4	Si
					SLO 9	0.477	−1.479	0.466	−1.396	7.65	7.67	Si
					SLO 10	0.545	−1.532	0.534	−1.342	7.59	7.65	Si
					SLO 11	0.963	2.331	0.955	2.314	3.93	3.94	Si
					SLO 12	1.031	2.278	1.023	2.368	3.88	3.91	Si
					SLO 13	2.153	0.151	2.143	−0.079	6.26	6.33	Si
					SLO 14	2.235	0.087	2.225	−0.013	6.23	6.26	Si
					SLO 15	2.298	1.294	2.289	1.034	5.14	5.22	Si
					SLO 16	2.38	1.23	2.372	1.1	5.11	5.15	Si
SLO 2	0	0	0	0	SLO 1	−2.169	−0.681	−2.179	−0.148	6.4	6.56	Si
					SLO 2	−2.087	−0.745	−2.097	−0.083	6.33	6.54	Si
					SLO 3	−2.023	0.462	−2.032	0.964	5.29	5.44	Si
					SLO 4	−1.941	0.399	−1.95	1.03	5.22	5.41	Si

	Bordo sinistro					Bordo destro				Larghezza		Verifica
Comb.	Spostlx	Spostly	SpostJx	SpostJy	Comb.	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLO 5	−0.819	−1.729	−0.831	−1.417	7.67	7.76	Si
					SLO 6	−0.751	−1.781	−0.763	−1.363	7.61	7.74	Si
					SLO 7	−0.334	2.082	−0.341	2.293	3.96	4.02	Si
					SLO 8	−0.266	2.029	−0.273	2.347	3.9	4	Si
					SLO 9	0.477	−1.479	0.466	−1.396	7.65	7.67	Si
					SLO 10	0.545	−1.532	0.534	−1.342	7.59	7.65	Si
					SLO 11	0.963	2.331	0.955	2.314	3.93	3.94	Si
					SLO 12	1.031	2.278	1.023	2.368	3.88	3.91	Si
					SLO 13	2.153	0.151	2.143	−0.079	6.26	6.33	Si
					SLO 14	2.235	0.087	2.225	−0.013	6.23	6.26	Si
					SLO 15	2.298	1.294	2.289	1.034	5.14	5.22	Si
					SLO 16	2.38	1.23	2.372	1.1	5.11	5.15	Si
SLO 3	0	0	0	0	SLO 1	−2.169	−0.681	−2.179	−0.148	6.4	6.56	Si
					SLO 2	−2.087	−0.745	−2.097	−0.083	6.33	6.54	Si
					SLO 3	−2.023	0.462	−2.032	0.964	5.29	5.44	Si
					SLO 4	−1.941	0.399	−1.95	1.03	5.22	5.41	Si
					SLO 5	−0.819	−1.729	−0.831	−1.417	7.67	7.76	Si
					SLO 6	−0.751	−1.781	−0.763	−1.363	7.61	7.74	Si
					SLO 7	−0.334	2.082	−0.341	2.293	3.96	4.02	Si
					SLO 8	−0.266	2.029	−0.273	2.347	3.9	4	Si
					SLO 9	0.477	−1.479	0.466	−1.396	7.65	7.67	Si
					SLO 10	0.545	−1.532	0.534	−1.342	7.59	7.65	Si
					SLO 11	0.963	2.331	0.955	2.314	3.93	3.94	Si
					SLO 12	1.031	2.278	1.023	2.368	3.88	3.91	Si
					SLO 13	2.153	0.151	2.143	−0.079	6.26	6.33	Si
					SLO 14	2.235	0.087	2.225	−0.013	6.23	6.26	Si
					SLO 15	2.298	1.294	2.289	1.034	5.14	5.22	Si
					SLO 16	2.38	1.23	2.372	1.1	5.11	5.15	Si
SLO 4	0	0	0	0	SLO 1	−2.169	−0.681	−2.179	−0.148	6.4	6.56	Si
					SLO 2	−2.087	−0.745	−2.097	−0.083	6.33	6.54	Si
					SLO 3	−2.023	0.462	−2.032	0.964	5.29	5.44	Si
					SLO 4	−1.941	0.399	−1.95	1.03	5.22	5.41	Si
					SLO 5	−0.819	−1.729	−0.831	−1.417	7.67	7.76	Si
					SLO 6	−0.751	−1.781	−0.763	−1.363	7.61	7.74	Si
					SLO 7	−0.334	2.082	−0.341	2.293	3.96	4.02	Si
					SLO 8	−0.266	2.029	−0.273	2.347	3.9	4	Si
					SLO 9	0.477	−1.479	0.466	−1.396	7.65	7.67	Si
					SLO 10	0.545	−1.532	0.534	−1.342	7.59	7.65	Si
					SLO 11	0.963	2.331	0.955	2.314	3.93	3.94	Si
					SLO 12	1.031	2.278	1.023	2.368	3.88	3.91	Si
					SLO 13	2.153	0.151	2.143	−0.079	6.26	6.33	Si
					SLO 14	2.235	0.087	2.225	−0.013	6.23	6.26	Si
					SLO 15	2.298	1.294	2.289	1.034	5.14	5.22	Si
					SLO 16	2.38	1.23	2.372	1.1	5.11	5.15	Si
SLO 5	0	0	0	0	SLO 1	−2.169	−0.681	−2.179	−0.148	6.4	6.56	Si
					SLO 2	−2.087	−0.745	−2.097	−0.083	6.33	6.54	Si
					SLO 3	−2.023	0.462	−2.032	0.964	5.29	5.44	Si
					SLO 4	−1.941	0.399	−1.95	1.03	5.22	5.41	Si
					SLO 5	−0.819	−1.729	−0.831	−1.417	7.67	7.76	Si
					SLO 6	−0.751	−1.781	−0.763	−1.363	7.61	7.74	Si
					SLO 7	−0.334	2.082	−0.341	2.293	3.96	4.02	Si
					SLO 8	−0.266	2.029	−0.273	2.347	3.9	4	Si
					SLO 9	0.477	−1.479	0.466	−1.396	7.65	7.67	Si
					SLO 10	0.545	−1.532	0.534	−1.342	7.59	7.65	Si
					SLO 11	0.963	2.331	0.955	2.314	3.93	3.94	Si
					SLO 12	1.031	2.278	1.023	2.368	3.88	3.91	Si
					SLO 13	2.153	0.151	2.143	−0.079	6.26	6.33	Si
					SLO 14	2.235	0.087	2.225	−0.013	6.23	6.26	Si
					SLO 15	2.298	1.294	2.289	1.034	5.14	5.22	Si
					SLO 16	2.38	1.23	2.372	1.1	5.11	5.15	Si
SLO 6	0	0	0	0	SLO 1	−2.169	−0.681	−2.179	−0.148	6.4	6.56	Si
					SLO 2	−2.087	−0.745	−2.097	−0.083	6.33	6.54	Si
					SLO 3	−2.023	0.462	−2.032	0.964	5.29	5.44	Si
					SLO 4	−1.941	0.399	−1.95	1.03	5.22	5.41	Si
					SLO 5	−0.819	−1.729	−0.831	−1.417	7.67	7.76	Si
					SLO 6	−0.751	−1.781	−0.763	−1.363	7.61	7.74	Si
					SLO 7	−0.334	2.082	−0.341	2.293	3.96	4.02	Si
					SLO 8	−0.266	2.029	−0.273	2.347	3.9	4	Si
					SLO 9	0.477	−1.479	0.466	−1.396	7.65	7.67	Si
					SLO 10	0.545	−1.532	0.534	−1.342	7.59	7.65	Si
					SLO 11	0.963	2.331	0.955	2.314	3.93	3.94	Si
					SLO 12	1.031	2.278	1.023	2.368	3.88	3.91	Si
					SLO 13	2.153	0.151	2.143	−0.079	6.26	6.33	Si
					SLO 14	2.235	0.087	2.225	−0.013	6.23	6.26	Si
					SLO 15	2.298	1.294	2.289	1.034	5.14	5.22	Si
					SLO 16	2.38	1.23	2.372	1.1	5.11	5.15	Si
SLO 7	0	0	0	0	SLO 1	−2.169	−0.681	−2.179	−0.148	6.4	6.56	Si
					SLO 2	−2.087	−0.745	−2.097	−0.083	6.33	6.54	Si
					SLO 3	−2.023	0.462	−2.032	0.964	5.29	5.44	Si
					SLO 4	−1.941	0.399	−1.95	1.03	5.22	5.41	Si
					SLO 5	−0.819	−1.729	−0.831	−1.417	7.67	7.76	Si
					SLO 6	−0.751	−1.781	−0.763	−1.363	7.61	7.74	Si
					SLO 7	−0.334	2.082	−0.341	2.293	3.96	4.02	Si
					SLO 8	−0.266	2.029	−0.273	2.347	3.9	4	Si
					SLO 9	0.477	−1.479	0.466	−1.396	7.65	7.67	Si
					SLO 10	0.545	−1.532	0.534	−1.342	7.59	7.65	Si
					SLO 11	0.963	2.331	0.955	2.314	3.93	3.94	Si
					SLO 12	1.031	2.278	1.023	2.368	3.88	3.91	Si
					SLO 13	2.153	0.151	2.143	−0.079	6.26	6.33	Si
					SLO 14	2.235	0.087	2.225	−0.013	6.23	6.26	Si
					SLO 15	2.298	1.294	2.289	1.034	5.14	5.22	Si
					SLO 16	2.38	1.23	2.372	1.1	5.11	5.15	Si
SLO 8	0	0	0	0	SLO 1	−2.169	−0.681	−2.179	−0.148	6.4	6.56	Si
					SLO 2	−2.087	−0.745	−2.097	−0.083	6.33	6.54	Si
					SLO 3	−2.023	0.462	−2.032	0.964	5.29	5.44	Si
					SLO 4	−1.941	0.399	−1.95	1.03	5.22	5.41	Si
					SLO 5	−0.819	−1.729	−0.831	−1.417	7.67	7.76	Si
					SLO 6	−0.751	−1.781	−0.763	−1.363	7.61	7.74	Si
					SLO 7	−0.334	2.082	−0.341	2.293	3.96	4.02	Si
					SLO 8	−0.266	2.029	−0.273	2.347	3.9	4	Si

Serbatoio Castellaneta - camera di manovra

Bordo sinistro					Bordo destro					Larghezza		Verifica
Comb.	Spostlx	Spostly	SpostJx	SpostJy	Comb.	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLO 9	0.477	−1.479	0.466	−1.396	7.65	7.67	Si
					SLO 10	0.545	−1.532	0.534	−1.342	7.59	7.65	Si
					SLO 11	0.963	2.331	0.955	2.314	3.93	3.94	Si
					SLO 12	1.031	2.278	1.023	2.368	3.88	3.91	Si
					SLO 13	2.153	0.151	2.143	−0.079	6.26	6.33	Si
					SLO 14	2.235	0.087	2.225	−0.013	6.23	6.26	Si
					SLO 15	2.298	1.294	2.289	1.034	5.14	5.22	Si
					SLO 16	2.38	1.23	2.372	1.1	5.11	5.15	Si
SLO 9	0	0	0	0	SLO 1	−2.169	−0.681	−2.179	−0.148	6.4	6.56	Si
					SLO 2	−2.087	−0.745	−2.097	−0.083	6.33	6.54	Si
					SLO 3	−2.023	0.462	−2.032	0.964	5.29	5.44	Si
					SLO 4	−1.941	0.399	−1.95	1.03	5.22	5.41	Si
					SLO 5	−0.819	−1.729	−0.831	−1.417	7.67	7.76	Si
					SLO 6	−0.751	−1.781	−0.763	−1.363	7.61	7.74	Si
					SLO 7	−0.334	2.082	−0.341	2.293	3.96	4.02	Si
					SLO 8	−0.266	2.029	−0.273	2.347	3.9	4	Si
					SLO 9	0.477	−1.479	0.466	−1.396	7.65	7.67	Si
					SLO 10	0.545	−1.532	0.534	−1.342	7.59	7.65	Si
					SLO 11	0.963	2.331	0.955	2.314	3.93	3.94	Si
					SLO 12	1.031	2.278	1.023	2.368	3.88	3.91	Si
					SLO 13	2.153	0.151	2.143	−0.079	6.26	6.33	Si
					SLO 14	2.235	0.087	2.225	−0.013	6.23	6.26	Si
					SLO 15	2.298	1.294	2.289	1.034	5.14	5.22	Si
					SLO 16	2.38	1.23	2.372	1.1	5.11	5.15	Si
SLO 10	0	0	0	0	SLO 1	−2.169	−0.681	−2.179	−0.148	6.4	6.56	Si
					SLO 2	−2.087	−0.745	−2.097	−0.083	6.33	6.54	Si
					SLO 3	−2.023	0.462	−2.032	0.964	5.29	5.44	Si
					SLO 4	−1.941	0.399	−1.95	1.03	5.22	5.41	Si
					SLO 5	−0.819	−1.729	−0.831	−1.417	7.67	7.76	Si
					SLO 6	−0.751	−1.781	−0.763	−1.363	7.61	7.74	Si
					SLO 7	−0.334	2.082	−0.341	2.293	3.96	4.02	Si
					SLO 8	−0.266	2.029	−0.273	2.347	3.9	4	Si
					SLO 9	0.477	−1.479	0.466	−1.396	7.65	7.67	Si
					SLO 10	0.545	−1.532	0.534	−1.342	7.59	7.65	Si
					SLO 11	0.963	2.331	0.955	2.314	3.93	3.94	Si
					SLO 12	1.031	2.278	1.023	2.368	3.88	3.91	Si
					SLO 13	2.153	0.151	2.143	−0.079	6.26	6.33	Si
					SLO 14	2.235	0.087	2.225	−0.013	6.23	6.26	Si
					SLO 15	2.298	1.294	2.289	1.034	5.14	5.22	Si
					SLO 16	2.38	1.23	2.372	1.1	5.11	5.15	Si
SLO 11	0	0	0	0	SLO 1	−2.169	−0.681	−2.179	−0.148	6.4	6.56	Si
					SLO 2	−2.087	−0.745	−2.097	−0.083	6.33	6.54	Si
					SLO 3	−2.023	0.462	−2.032	0.964	5.29	5.44	Si
					SLO 4	−1.941	0.399	−1.95	1.03	5.22	5.41	Si
					SLO 5	−0.819	−1.729	−0.831	−1.417	7.67	7.76	Si
					SLO 6	−0.751	−1.781	−0.763	−1.363	7.61	7.74	Si
					SLO 7	−0.334	2.082	−0.341	2.293	3.96	4.02	Si
					SLO 8	−0.266	2.029	−0.273	2.347	3.9	4	Si
					SLO 9	0.477	−1.479	0.466	−1.396	7.65	7.67	Si
					SLO 10	0.545	−1.532	0.534	−1.342	7.59	7.65	Si
					SLO 11	0.963	2.331	0.955	2.314	3.93	3.94	Si
					SLO 12	1.031	2.278	1.023	2.368	3.88	3.91	Si
					SLO 13	2.153	0.151	2.143	−0.079	6.26	6.33	Si
					SLO 14	2.235	0.087	2.225	−0.013	6.23	6.26	Si
					SLO 15	2.298	1.294	2.289	1.034	5.14	5.22	Si
					SLO 16	2.38	1.23	2.372	1.1	5.11	5.15	Si
SLO 12	0	0	0	0	SLO 1	−2.169	−0.681	−2.179	−0.148	6.4	6.56	Si
					SLO 2	−2.087	−0.745	−2.097	−0.083	6.33	6.54	Si
					SLO 3	−2.023	0.462	−2.032	0.964	5.29	5.44	Si
					SLO 4	−1.941	0.399	−1.95	1.03	5.22	5.41	Si
					SLO 5	−0.819	−1.729	−0.831	−1.417	7.67	7.76	Si
					SLO 6	−0.751	−1.781	−0.763	−1.363	7.61	7.74	Si
					SLO 7	−0.334	2.082	−0.341	2.293	3.96	4.02	Si
					SLO 8	−0.266	2.029	−0.273	2.347	3.9	4	Si
					SLO 9	0.477	−1.479	0.466	−1.396	7.65	7.67	Si
					SLO 10	0.545	−1.532	0.534	−1.342	7.59	7.65	Si
					SLO 11	0.963	2.331	0.955	2.314	3.93	3.94	Si
					SLO 12	1.031	2.278	1.023	2.368	3.88	3.91	Si
					SLO 13	2.153	0.151	2.143	−0.079	6.26	6.33	Si
					SLO 14	2.235	0.087	2.225	−0.013	6.23	6.26	Si
					SLO 15	2.298	1.294	2.289	1.034	5.14	5.22	Si
					SLO 16	2.38	1.23	2.372	1.1	5.11	5.15	Si
SLO 13	0	0	0	0	SLO 1	−2.169	−0.681	−2.179	−0.148	6.4	6.56	Si
					SLO 2	−2.087	−0.745	−2.097	−0.083	6.33	6.54	Si
					SLO 3	−2.023	0.462	−2.032	0.964	5.29	5.44	Si
					SLO 4	−1.941	0.399	−1.95	1.03	5.22	5.41	Si
					SLO 5	−0.819	−1.729	−0.831	−1.417	7.67	7.76	Si
					SLO 6	−0.751	−1.781	−0.763	−1.363	7.61	7.74	Si
					SLO 7	−0.334	2.082	−0.341	2.293	3.96	4.02	Si
					SLO 8	−0.266	2.029	−0.273	2.347	3.9	4	Si
					SLO 9	0.477	−1.479	0.466	−1.396	7.65	7.67	Si
					SLO 10	0.545	−1.532	0.534	−1.342	7.59	7.65	Si
					SLO 11	0.963	2.331	0.955	2.314	3.93	3.94	Si
					SLO 12	1.031	2.278	1.023	2.368	3.88	3.91	Si
					SLO 13	2.153	0.151	2.143	−0.079	6.26	6.33	Si
					SLO 14	2.235	0.087	2.225	−0.013	6.23	6.26	Si
					SLO 15	2.298	1.294	2.289	1.034	5.14	5.22	Si
					SLO 16	2.38	1.23	2.372	1.1	5.11	5.15	Si
SLO 14	0	0	0	0	SLO 1	−2.169	−0.681	−2.179	−0.148	6.4	6.56	Si
					SLO 2	−2.087	−0.745	−2.097	−0.083	6.33	6.54	Si
					SLO 3	−2.023	0.462	−2.032	0.964	5.29	5.44	Si
					SLO 4	−1.941	0.399	−1.95	1.03	5.22	5.41	Si
					SLO 5	−0.819	−1.729	−0.831	−1.417	7.67	7.76	Si
					SLO 6	−0.751	−1.781	−0.763	−1.363	7.61	7.74	Si
					SLO 7	−0.334	2.082	−0.341	2.293	3.96	4.02	Si
					SLO 8	−0.266	2.029	−0.273	2.347	3.9	4	Si
					SLO 9	0.477	−1.479	0.466	−1.396	7.65	7.67	Si
					SLO 10	0.545	−1.532	0.534	−1.342	7.59	7.65	Si
					SLO 11	0.963	2.331	0.955	2.314	3.93	3.94	Si
					SLO 12	1.031	2.278	1.023	2.368	3.88	3.91	Si

Bordo sinistro					Bordo destro					Larghezza		Verifica
Comb.	Spostlx	Spostly	SpostJx	SpostJy	Comb.	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLO 13	2.153	0.151	2.143	−0.079	6.26	6.33	Si
					SLO 14	2.235	0.087	2.225	−0.013	6.23	6.26	Si
					SLO 15	2.298	1.294	2.289	1.034	5.14	5.22	Si
					SLO 16	2.38	1.23	2.372	1.1	5.11	5.15	Si
SLO 15	0	0	0	0	SLO 1	−2.169	−0.681	−2.179	−0.148	6.4	6.56	Si
					SLO 2	−2.087	−0.745	−2.097	−0.083	6.33	6.54	Si
					SLO 3	−2.023	0.462	−2.032	0.964	5.29	5.44	Si
					SLO 4	−1.941	0.399	−1.95	1.03	5.22	5.41	Si
					SLO 5	−0.819	−1.729	−0.831	−1.417	7.67	7.76	Si
					SLO 6	−0.751	−1.781	−0.763	−1.363	7.61	7.74	Si
					SLO 7	−0.334	2.082	−0.341	2.293	3.96	4.02	Si
					SLO 8	−0.266	2.029	−0.273	2.347	3.9	4	Si
					SLO 9	0.477	−1.479	0.466	−1.396	7.65	7.67	Si
					SLO 10	0.545	−1.532	0.534	−1.342	7.59	7.65	Si
					SLO 11	0.963	2.331	0.955	2.314	3.93	3.94	Si
					SLO 12	1.031	2.278	1.023	2.368	3.88	3.91	Si
					SLO 13	2.153	0.151	2.143	−0.079	6.26	6.33	Si
					SLO 14	2.235	0.087	2.225	−0.013	6.23	6.26	Si
					SLO 15	2.298	1.294	2.289	1.034	5.14	5.22	Si
					SLO 16	2.38	1.23	2.372	1.1	5.11	5.15	Si
SLO 16	0	0	0	0	SLO 1	−2.169	−0.681	−2.179	−0.148	6.4	6.56	Si
					SLO 2	−2.087	−0.745	−2.097	−0.083	6.33	6.54	Si
					SLO 3	−2.023	0.462	−2.032	0.964	5.29	5.44	Si
					SLO 4	−1.941	0.399	−1.95	1.03	5.22	5.41	Si
					SLO 5	−0.819	−1.729	−0.831	−1.417	7.67	7.76	Si
					SLO 6	−0.751	−1.781	−0.763	−1.363	7.61	7.74	Si
					SLO 7	−0.334	2.082	−0.341	2.293	3.96	4.02	Si
					SLO 8	−0.266	2.029	−0.273	2.347	3.9	4	Si
					SLO 9	0.477	−1.479	0.466	−1.396	7.65	7.67	Si
					SLO 10	0.545	−1.532	0.534	−1.342	7.59	7.65	Si
					SLO 11	0.963	2.331	0.955	2.314	3.93	3.94	Si
					SLO 12	1.031	2.278	1.023	2.368	3.88	3.91	Si
					SLO 13	2.153	0.151	2.143	−0.079	6.26	6.33	Si
					SLO 14	2.235	0.087	2.225	−0.013	6.23	6.26	Si
					SLO 15	2.298	1.294	2.289	1.034	5.14	5.22	Si
					SLO 16	2.38	1.23	2.372	1.1	5.11	5.15	Si

Giunto sismico Carroponti fili 4-16

Verifiche condotte secondo D.M. 14-01-08 (N.T.C.)

Caratteristiche geometriche:

Larghezza del giunto: 7.5

Bordo sinistro

Elemento: Trave C.A. livello Carroponti fili 16-4
Punto iniziale: -750; 952.5
Punto finale: -100; 952.5
Nodo iniziale: 3603
Nodo finale: 3605

Bordo destro

Elemento: Trave C.A. livello Carroponti fili 16-7
Punto iniziale: -100; 945
Punto finale: -750; 945
Nodo iniziale: 3592
Nodo finale: 3583

Verifica del giunto sismico

Larghezza minima del giunto prevista dalla norma (§ 7.2.2)

Larghezza minima richiesta: 1/100 * h * ag*S/0.5g = 7 < 7.5 - SODDISFATTA
dove:

       h = 1172 (misurata dallo zero sismico = 0)
       ag/g = 0.22 (SLV)
       S = 1.37 (SLV)

Valutazione della larghezza minima eseguita nelle combinazioni SLV (§ 7.2.2)
Coefficiente amplificativo parte sismica degli spostamenti SLV (§ 7.3.3.3 formula (7.3.8)): μd = 1

Valutazione della distanza tra i due bordi con spostamenti sismici per verificare l'eventuale martellamento

Larghezza minima SLV = 0.16 > 0 - SODDISFATTA
Larghezza massima SLV = 14.84
Larghezza minima SLO = 4.85
Larghezza massima SLO = 10.12

Valutazione larghezza giunto nelle combinazioni SLV

Bordo sinistro					Bordo destro					Larghezza		Verifica
Comb.	Spostlx	Spostly	SpostJx	SpostJy	Comb.	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
SLV 1	0	0	0	0	SLV 1	−8.857	−2.952	−8.856	−2.476	9.98	10.46	Si
					SLV 2	−8.612	−2.926	−8.611	−2.295	9.8	10.43	Si
					SLV 3	−8.293	1.298	−8.292	1.72	5.78	6.21	Si
					SLV 4	−8.048	1.324	−8.047	1.901	5.6	6.18	Si
					SLV 5	−3.482	−7.337	−3.482	−7.094	14.59	14.84	Si
					SLV 6	−3.279	−7.315	−3.279	−6.945	14.44	14.82	Si
					SLV 7	−1.602	6.829	−1.601	6.893	0.61	0.67	Si
					SLV 8	−1.399	6.85	−1.399	7.042	0.46	0.65	Si
					SLV 9	1.671	−6.848	1.671	−6.87	14.35	14.37	Si
					SLV 10	1.874	−6.826	1.873	−6.72	14.22	14.33	Si
					SLV 11	3.552	7.318	3.551	7.117	0.18	0.38	Si
					SLV 12	3.754	7.34	3.754	7.266	0.16	0.23	Si
					SLV 13	8.32	−1.321	8.319	−1.728	8.82	9.23	Si
					SLV 14	8.565	−1.295	8.564	−1.548	8.8	9.05	Si
					SLV 15	8.884	2.928	8.883	2.468	4.57	5.04	Si
					SLV 16	9.13	2.955	9.128	2.648	4.55	4.86	Si
SLV 2	0	0	0	0	SLV 1	−8.857	−2.952	−8.856	−2.476	9.98	10.46	Si
					SLV 2	−8.612	−2.926	−8.611	−2.295	9.8	10.43	Verifica
					SLV 3	−8.293	1.298	−8.292	1.72	5.78	6.21	Si
					SLV 4	−8.048	1.324	−8.047	1.901	5.6	6.18	Si
					SLV 5	−3.482	−7.337	−3.482	−7.094	14.59	14.84	Si
					SLV 6	−3.279	−7.315	−3.279	−6.945	14.44	14.82	Si
					SLV 7	−1.602	6.829	−1.601	6.893	0.61	0.67	Si
					SLV 8	−1.399	6.85	−1.399	7.042	0.46	0.65	Si

Serbatoio Castellaneta - camera di manovra

Bordo sinistro					Bordo destro					Larghezza		Verifica
Comb.	Spostlx	Spostly	SpostJx	SpostJy	Comb.	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLV 9	1.671	−6.848	1.671	−6.87	14.35	14.37	Si
					SLV 10	1.874	−6.826	1.873	−6.72	14.22	14.33	Si
					SLV 11	3.552	7.318	3.551	7.117	0.18	0.38	Si
					SLV 12	3.754	7.34	3.754	7.266	0.16	0.23	Si
					SLV 13	8.32	−1.321	8.319	−1.728	8.82	9.23	Si
					SLV 14	8.565	−1.295	8.564	−1.548	8.8	9.05	Si
					SLV 15	8.884	2.928	8.883	2.468	4.57	5.04	Si
					SLV 16	9.13	2.955	9.128	2.648	4.55	4.86	Si
SLV 3	0	0	0	0	SLV 1	−8.857	−2.952	−8.856	−2.476	9.98	10.46	Si
					SLV 2	−8.612	−2.926	−8.611	−2.295	9.8	10.43	Si
					SLV 3	−8.293	1.298	−8.292	1.72	5.78	6.21	Si
					SLV 4	−8.048	1.324	−8.047	1.901	5.6	6.18	Si
					SLV 5	−3.482	−7.337	−3.482	−7.094	14.59	14.84	Si
					SLV 6	−3.279	−7.315	−3.279	−6.945	14.44	14.82	Si
					SLV 7	−1.602	6.829	−1.601	6.893	0.61	0.67	Si
					SLV 8	−1.399	6.85	−1.399	7.042	0.46	0.65	Si
					SLV 9	1.671	−6.848	1.671	−6.87	14.35	14.37	Si
					SLV 10	1.874	−6.826	1.873	−6.72	14.22	14.33	Si
					SLV 11	3.552	7.318	3.551	7.117	0.18	0.38	Si
					SLV 12	3.754	7.34	3.754	7.266	0.16	0.23	Si
					SLV 13	8.32	−1.321	8.319	−1.728	8.82	9.23	Si
					SLV 14	8.565	−1.295	8.564	−1.548	8.8	9.05	Si
					SLV 15	8.884	2.928	8.883	2.468	4.57	5.04	Si
					SLV 16	9.13	2.955	9.128	2.648	4.55	4.86	Si
SLV 4	0	0	0	0	SLV 1	−8.857	−2.952	−8.856	−2.476	9.98	10.46	Si
					SLV 2	−8.612	−2.926	−8.611	−2.295	9.8	10.43	Si
					SLV 3	−8.293	1.298	−8.292	1.72	5.78	6.21	Si
					SLV 4	−8.048	1.324	−8.047	1.901	5.6	6.18	Si
					SLV 5	−3.482	−7.337	−3.482	−7.094	14.59	14.84	Si
					SLV 6	−3.279	−7.315	−3.279	−6.945	14.44	14.82	Si
					SLV 7	−1.602	6.829	−1.601	6.893	0.61	0.67	Si
					SLV 8	−1.399	6.85	−1.399	7.042	0.46	0.65	Si
					SLV 9	1.671	−6.848	1.671	−6.87	14.35	14.37	Si
					SLV 10	1.874	−6.826	1.873	−6.72	14.22	14.33	Si
					SLV 11	3.552	7.318	3.551	7.117	0.18	0.38	Si
					SLV 12	3.754	7.34	3.754	7.266	0.16	0.23	Si
					SLV 13	8.32	−1.321	8.319	−1.728	8.82	9.23	Si
					SLV 14	8.565	−1.295	8.564	−1.548	8.8	9.05	Si
					SLV 15	8.884	2.928	8.883	2.468	4.57	5.04	Si
					SLV 16	9.13	2.955	9.128	2.648	4.55	4.86	Si
SLV 5	0	0	0	0	SLV 1	−8.857	−2.952	−8.856	−2.476	9.98	10.46	Si
					SLV 2	−8.612	−2.926	−8.611	−2.295	9.8	10.43	Si
					SLV 3	−8.293	1.298	−8.292	1.72	5.78	6.21	Si
					SLV 4	−8.048	1.324	−8.047	1.901	5.6	6.18	Si
					SLV 5	−3.482	−7.337	−3.482	−7.094	14.59	14.84	Si
					SLV 6	−3.279	−7.315	−3.279	−6.945	14.44	14.82	Si
					SLV 7	−1.602	6.829	−1.601	6.893	0.61	0.67	Si
					SLV 8	−1.399	6.85	−1.399	7.042	0.46	0.65	Si
					SLV 9	1.671	−6.848	1.671	−6.87	14.35	14.37	Si
					SLV 10	1.874	−6.826	1.873	−6.72	14.22	14.33	Si
					SLV 11	3.552	7.318	3.551	7.117	0.18	0.38	Si
					SLV 12	3.754	7.34	3.754	7.266	0.16	0.23	Si
					SLV 13	8.32	−1.321	8.319	−1.728	8.82	9.23	Si
					SLV 14	8.565	−1.295	8.564	−1.548	8.8	9.05	Si
					SLV 15	8.884	2.928	8.883	2.468	4.57	5.04	Si
					SLV 16	9.13	2.955	9.128	2.648	4.55	4.86	Si
SLV 6	0	0	0	0	SLV 1	−8.857	−2.952	−8.856	−2.476	9.98	10.46	Si
					SLV 2	−8.612	−2.926	−8.611	−2.295	9.8	10.43	Si
					SLV 3	−8.293	1.298	−8.292	1.72	5.78	6.21	Si
					SLV 4	−8.048	1.324	−8.047	1.901	5.6	6.18	Si
					SLV 5	−3.482	−7.337	−3.482	−7.094	14.59	14.84	Si
					SLV 6	−3.279	−7.315	−3.279	−6.945	14.44	14.82	Si
					SLV 7	−1.602	6.829	−1.601	6.893	0.61	0.67	Si
					SLV 8	−1.399	6.85	−1.399	7.042	0.46	0.65	Si
					SLV 9	1.671	−6.848	1.671	−6.87	14.35	14.37	Si
					SLV 10	1.874	−6.826	1.873	−6.72	14.22	14.33	Si
					SLV 11	3.552	7.318	3.551	7.117	0.18	0.38	Si
					SLV 12	3.754	7.34	3.754	7.266	0.16	0.23	Si
					SLV 13	8.32	−1.321	8.319	−1.728	8.82	9.23	Si
					SLV 14	8.565	−1.295	8.564	−1.548	8.8	9.05	Si
					SLV 15	8.884	2.928	8.883	2.468	4.57	5.04	Si
					SLV 16	9.13	2.955	9.128	2.648	4.55	4.86	Si
SLV 7	0	0	0	0	SLV 1	−8.857	−2.952	−8.856	−2.476	9.98	10.46	Si
					SLV 2	−8.612	−2.926	−8.611	−2.295	9.8	10.43	Si
					SLV 3	−8.293	1.298	−8.292	1.72	5.78	6.21	Si
					SLV 4	−8.048	1.324	−8.047	1.901	5.6	6.18	Si
					SLV 5	−3.482	−7.337	−3.482	−7.094	14.59	14.84	Si
					SLV 6	−3.279	−7.315	−3.279	−6.945	14.44	14.82	Si
					SLV 7	−1.602	6.829	−1.601	6.893	0.61	0.67	Si
					SLV 8	−1.399	6.85	−1.399	7.042	0.46	0.65	Si
					SLV 9	1.671	−6.848	1.671	−6.87	14.35	14.37	Si
					SLV 10	1.874	−6.826	1.873	−6.72	14.22	14.33	Si
					SLV 11	3.552	7.318	3.551	7.117	0.18	0.38	Si
					SLV 12	3.754	7.34	3.754	7.266	0.16	0.23	Si
					SLV 13	8.32	−1.321	8.319	−1.728	8.82	9.23	Si
					SLV 14	8.565	−1.295	8.564	−1.548	8.8	9.05	Si
					SLV 15	8.884	2.928	8.883	2.468	4.57	5.04	Si
					SLV 16	9.13	2.955	9.128	2.648	4.55	4.86	Si
SLV 8	0	0	0	0	SLV 1	−8.857	−2.952	−8.856	−2.476	9.98	10.46	Si
					SLV 2	−8.612	−2.926	−8.611	−2.295	9.8	10.43	Si
					SLV 3	−8.293	1.298	−8.292	1.72	5.78	6.21	Si
					SLV 4	−8.048	1.324	−8.047	1.901	5.6	6.18	Si
					SLV 5	−3.482	−7.337	−3.482	−7.094	14.59	14.84	Si
					SLV 6	−3.279	−7.315	−3.279	−6.945	14.44	14.82	Si
					SLV 7	−1.602	6.829	−1.601	6.893	0.61	0.67	Si
					SLV 8	−1.399	6.85	−1.399	7.042	0.46	0.65	Si
					SLV 9	1.671	−6.848	1.671	−6.87	14.35	14.37	Si
					SLV 10	1.874	−6.826	1.873	−6.72	14.22	14.33	Si
					SLV 11	3.552	7.318	3.551	7.117	0.18	0.38	Si
					SLV 12	3.754	7.34	3.754	7.266	0.16	0.23	Si

Bordo sinistro					Bordo destro					Larghezza		Verifica
Comb.	SpostIx	SpostIy	SpostJx	SpostJy	Comb.	SpostIx	SpostIy	SpostJx	SpostJy	Min	Max	
					SLV 13	8.32	−1.321	8.319	−1.728	8.82	9.23	Si
					SLV 14	8.565	−1.295	8.564	−1.548	8.8	9.05	Si
					SLV 15	8.884	2.928	8.883	2.468	4.57	5.04	Si
					SLV 16	9.13	2.955	9.128	2.648	4.55	4.86	Si
SLV 9	0	0	0	0	SLV 1	−8.857	−2.952	−8.856	−2.476	9.98	10.46	Si
					SLV 2	−8.612	−2.926	−8.611	−2.295	9.8	10.43	Si
					SLV 3	−8.293	1.298	−8.292	1.72	5.78	6.21	Si
					SLV 4	−8.048	1.324	−8.047	1.901	5.6	6.18	Si
					SLV 5	−3.482	−7.337	−3.482	−7.094	14.59	14.84	Si
					SLV 6	−3.279	−7.315	−3.279	−6.945	14.44	14.82	Si
					SLV 7	−1.602	6.829	−1.601	6.893	0.61	0.67	Si
					SLV 8	−1.399	6.85	−1.399	7.042	0.46	0.65	Si
					SLV 9	1.671	−6.848	1.671	−6.87	14.35	14.37	Si
					SLV 10	1.874	−6.826	1.873	−6.72	14.22	14.33	Si
					SLV 11	3.552	7.318	3.551	7.117	0.18	0.38	Si
					SLV 12	3.754	7.34	3.754	7.266	0.16	0.23	Si
					SLV 13	8.32	−1.321	8.319	−1.728	8.82	9.23	Si
					SLV 14	8.565	−1.295	8.564	−1.548	8.8	9.05	Si
					SLV 15	8.884	2.928	8.883	2.468	4.57	5.04	Si
					SLV 16	9.13	2.955	9.128	2.648	4.55	4.86	Si
SLV 10	0	0	0	0	SLV 1	−8.857	−2.952	−8.856	−2.476	9.98	10.46	Si
					SLV 2	−8.612	−2.926	−8.611	−2.295	9.8	10.43	Si
					SLV 3	−8.293	1.298	−8.292	1.72	5.78	6.21	Si
					SLV 4	−8.048	1.324	−8.047	1.901	5.6	6.18	Si
					SLV 5	−3.482	−7.337	−3.482	−7.094	14.59	14.84	Si
					SLV 6	−3.279	−7.315	−3.279	−6.945	14.44	14.82	Si
					SLV 7	−1.602	6.829	−1.601	6.893	0.61	0.67	Si
					SLV 8	−1.399	6.85	−1.399	7.042	0.46	0.65	Si
					SLV 9	1.671	−6.848	1.671	−6.87	14.35	14.37	Si
					SLV 10	1.874	−6.826	1.873	−6.72	14.22	14.33	Si
					SLV 11	3.552	7.318	3.551	7.117	0.18	0.38	Si
					SLV 12	3.754	7.34	3.754	7.266	0.16	0.23	Si
					SLV 13	8.32	−1.321	8.319	−1.728	8.82	9.23	Si
					SLV 14	8.565	−1.295	8.564	−1.548	8.8	9.05	Si
					SLV 15	8.884	2.928	8.883	2.468	4.57	5.04	Si
					SLV 16	9.13	2.955	9.128	2.648	4.55	4.86	Si
SLV 11	0	0	0	0	SLV 1	−8.857	−2.952	−8.856	−2.476	9.98	10.46	Si
					SLV 2	−8.612	−2.926	−8.611	−2.295	9.8	10.43	Si
					SLV 3	−8.293	1.298	−8.292	1.72	5.78	6.21	Si
					SLV 4	−8.048	1.324	−8.047	1.901	5.6	6.18	Si
					SLV 5	−3.482	−7.337	−3.482	−7.094	14.59	14.84	Si
					SLV 6	−3.279	−7.315	−3.279	−6.945	14.44	14.82	Si
					SLV 7	−1.602	6.829	−1.601	6.893	0.61	0.67	Si
					SLV 8	−1.399	6.85	−1.399	7.042	0.46	0.65	Si
					SLV 9	1.671	−6.848	1.671	−6.87	14.35	14.37	Si
					SLV 10	1.874	−6.826	1.873	−6.72	14.22	14.33	Si
					SLV 11	3.552	7.318	3.551	7.117	0.18	0.38	Si
					SLV 12	3.754	7.34	3.754	7.266	0.16	0.23	Si
					SLV 13	8.32	−1.321	8.319	−1.728	8.82	9.23	Si
					SLV 14	8.565	−1.295	8.564	−1.548	8.8	9.05	Si
					SLV 15	8.884	2.928	8.883	2.468	4.57	5.04	Si
					SLV 16	9.13	2.955	9.128	2.648	4.55	4.86	Si
SLV 12	0	0	0	0	SLV 1	−8.857	−2.952	−8.856	−2.476	9.98	10.46	Si
					SLV 2	−8.612	−2.926	−8.611	−2.295	9.8	10.43	Si
					SLV 3	−8.293	1.298	−8.292	1.72	5.78	6.21	Si
					SLV 4	−8.048	1.324	−8.047	1.901	5.6	6.18	Si
					SLV 5	−3.482	−7.337	−3.482	−7.094	14.59	14.84	Si
					SLV 6	−3.279	−7.315	−3.279	−6.945	14.44	14.82	Si
					SLV 7	−1.602	6.829	−1.601	6.893	0.61	0.67	Si
					SLV 8	−1.399	6.85	−1.399	7.042	0.46	0.65	Si
					SLV 9	1.671	−6.848	1.671	−6.87	14.35	14.37	Si
					SLV 10	1.874	−6.826	1.873	−6.72	14.22	14.33	Si
					SLV 11	3.552	7.318	3.551	7.117	0.18	0.38	Si
					SLV 12	3.754	7.34	3.754	7.266	0.16	0.23	Si
					SLV 13	8.32	−1.321	8.319	−1.728	8.82	9.23	Si
					SLV 14	8.565	−1.295	8.564	−1.548	8.8	9.05	Si
					SLV 15	8.884	2.928	8.883	2.468	4.57	5.04	Si
					SLV 16	9.13	2.955	9.128	2.648	4.55	4.86	Si
SLV 13	0	0	0	0	SLV 1	−8.857	−2.952	−8.856	−2.476	9.98	10.46	Si
					SLV 2	−8.612	−2.926	−8.611	−2.295	9.8	10.43	Si
					SLV 3	−8.293	1.298	−8.292	1.72	5.78	6.21	Si
					SLV 4	−8.048	1.324	−8.047	1.901	5.6	6.18	Si
					SLV 5	−3.482	−7.337	−3.482	−7.094	14.59	14.84	Si
					SLV 6	−3.279	−7.315	−3.279	−6.945	14.44	14.82	Si
					SLV 7	−1.602	6.829	−1.601	6.893	0.61	0.67	Si
					SLV 8	−1.399	6.85	−1.399	7.042	0.46	0.65	Si
					SLV 9	1.671	−6.848	1.671	−6.87	14.35	14.37	Si
					SLV 10	1.874	−6.826	1.873	−6.72	14.22	14.33	Si
					SLV 11	3.552	7.318	3.551	7.117	0.18	0.38	Si
					SLV 12	3.754	7.34	3.754	7.266	0.16	0.23	Si
					SLV 13	8.32	−1.321	8.319	−1.728	8.82	9.23	Si
					SLV 14	8.565	−1.295	8.564	−1.548	8.8	9.05	Si
					SLV 15	8.884	2.928	8.883	2.468	4.57	5.04	Si
					SLV 16	9.13	2.955	9.128	2.648	4.55	4.86	Si
SLV 14	0	0	0	0	SLV 1	−8.857	−2.952	−8.856	−2.476	9.98	10.46	Si
					SLV 2	−8.612	−2.926	−8.611	−2.295	9.8	10.43	Si
					SLV 3	−8.293	1.298	−8.292	1.72	5.78	6.21	Si
					SLV 4	−8.048	1.324	−8.047	1.901	5.6	6.18	Si
					SLV 5	−3.482	−7.337	−3.482	−7.094	14.59	14.84	Si
					SLV 6	−3.279	−7.315	−3.279	−6.945	14.44	14.82	Si
					SLV 7	−1.602	6.829	−1.601	6.893	0.61	0.67	Si
					SLV 8	−1.399	6.85	−1.399	7.042	0.46	0.65	Si
					SLV 9	1.671	−6.848	1.671	−6.87	14.35	14.37	Si
					SLV 10	1.874	−6.826	1.873	−6.72	14.22	14.33	Si
					SLV 11	3.552	7.318	3.551	7.117	0.18	0.38	Si
					SLV 12	3.754	7.34	3.754	7.266	0.16	0.23	Si
					SLV 13	8.32	−1.321	8.319	−1.728	8.82	9.23	Si
					SLV 14	8.565	−1.295	8.564	−1.548	8.8	9.05	Si
					SLV 15	8.884	2.928	8.883	2.468	4.57	5.04	Si
					SLV 16	9.13	2.955	9.128	2.648	4.55	4.86	Si

Serbatoio Castellaneta - camera di manovra

Bordo sinistro					Bordo destro					Larghezza		Verifica
Comb.	Spostlx	Spostly	SpostJx	SpostJy	Comb.	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
SLV 15	0	0	0	0	SLV 1	-8.857	-2.952	-8.856	-2.476	9.98	10.46	Si
					SLV 2	-8.612	-2.926	-8.611	-2.295	9.8	10.43	Si
					SLV 3	-8.293	1.298	-8.292	1.72	5.78	6.21	Si
					SLV 4	-8.048	1.324	-8.047	1.901	5.6	6.18	Si
					SLV 5	-3.482	-7.337	-3.482	-7.094	14.59	14.84	Si
					SLV 6	-3.279	-7.315	-3.279	-6.945	14.44	14.82	Si
					SLV 7	-1.602	6.829	-1.601	6.893	0.61	0.67	Si
					SLV 8	-1.399	6.85	-1.399	7.042	0.46	0.65	Si
					SLV 9	1.671	-6.848	1.671	-6.87	14.35	14.37	Si
					SLV 10	1.874	-6.826	1.873	-6.72	14.22	14.33	Si
					SLV 11	3.552	7.318	3.551	7.117	0.18	0.38	Si
					SLV 12	3.754	7.34	3.754	7.266	0.16	0.23	Si
					SLV 13	8.32	-1.321	8.319	-1.728	8.82	9.23	Si
					SLV 14	8.565	-1.295	8.564	-1.548	8.8	9.05	Si
					SLV 15	8.884	2.928	8.883	2.468	4.57	5.04	Si
					SLV 16	9.13	2.955	9.128	2.648	4.55	4.86	Si
SLV 16	0	0	0	0	SLV 1	-8.857	-2.952	-8.856	-2.476	9.98	10.46	Si
					SLV 2	-8.612	-2.926	-8.611	-2.295	9.8	10.43	Si
					SLV 3	-8.293	1.298	-8.292	1.72	5.78	6.21	Si
					SLV 4	-8.048	1.324	-8.047	1.901	5.6	6.18	Si
					SLV 5	-3.482	-7.337	-3.482	-7.094	14.59	14.84	Si
					SLV 6	-3.279	-7.315	-3.279	-6.945	14.44	14.82	Si
					SLV 7	-1.602	6.829	-1.601	6.893	0.61	0.67	Si
					SLV 8	-1.399	6.85	-1.399	7.042	0.46	0.65	Si
					SLV 9	1.671	-6.848	1.671	-6.87	14.35	14.37	Si
					SLV 10	1.874	-6.826	1.873	-6.72	14.22	14.33	Si
					SLV 11	3.552	7.318	3.551	7.117	0.18	0.38	Si
					SLV 12	3.754	7.34	3.754	7.266	0.16	0.23	Si
					SLV 13	8.32	-1.321	8.319	-1.728	8.82	9.23	Si
					SLV 14	8.565	-1.295	8.564	-1.548	8.8	9.05	Si
					SLV 15	8.884	2.928	8.883	2.468	4.57	5.04	Si
					SLV 16	9.13	2.955	9.128	2.648	4.55	4.86	Si

Valutazione larghezza giunto nelle combinazioni SLO

Bordo sinistro					Bordo destro					Larghezza		Verifica
Comb.	Spostlx	Spostly	SpostJx	SpostJy	Comb.	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
SLO 1	0	0	0	0	SLO 1	-3.081	-1.053	-3.08	-0.826	8.33	8.55	Si
					SLO 2	-2.992	-1.043	-2.991	-0.761	8.26	8.54	Si
					SLO 3	-2.88	0.465	-2.879	0.673	6.83	7.04	Si
					SLO 4	-2.791	0.475	-2.79	0.739	6.76	7.03	Si
					SLO 5	-1.157	-2.62	-1.157	-2.479	9.98	10.12	Si
					SLO 6	-1.084	-2.612	-1.084	-2.424	9.92	10.11	Si
					SLO 7	-0.487	2.441	-0.487	2.519	4.98	5.06	Si
					SLO 8	-0.413	2.449	-0.413	2.573	4.93	5.05	Si
					SLO 9	0.686	-2.446	0.686	-2.401	9.9	9.95	Si
					SLO 10	0.759	-2.438	0.759	-2.346	9.85	9.94	Si
					SLO 11	1.356	2.615	1.356	2.597	4.88	4.9	Si
					SLO 12	1.43	2.623	1.43	2.651	4.85	4.88	Si
					SLO 13	3.063	-0.472	3.062	-0.566	7.97	8.07	Si
					SLO 14	3.152	-0.463	3.152	-0.5	7.96	8	Si
					SLO 15	3.264	1.046	3.263	0.933	6.45	6.57	Si
					SLO 16	3.353	1.056	3.353	0.999	6.44	6.5	Si
SLO 2	0	0	0	0	SLO 1	-3.081	-1.053	-3.08	-0.826	8.33	8.55	Si
					SLO 2	-2.992	-1.043	-2.991	-0.761	8.26	8.54	Si
					SLO 3	-2.88	0.465	-2.879	0.673	6.83	7.04	Si
					SLO 4	-2.791	0.475	-2.79	0.739	6.76	7.03	Si
					SLO 5	-1.157	-2.62	-1.157	-2.479	9.98	10.12	Si
					SLO 6	-1.084	-2.612	-1.084	-2.424	9.92	10.11	Si
					SLO 7	-0.487	2.441	-0.487	2.519	4.98	5.06	Si
					SLO 8	-0.413	2.449	-0.413	2.573	4.93	5.05	Si
					SLO 9	0.686	-2.446	0.686	-2.401	9.9	9.95	Si
					SLO 10	0.759	-2.438	0.759	-2.346	9.85	9.94	Si
					SLO 11	1.356	2.615	1.356	2.597	4.88	4.9	Si
					SLO 12	1.43	2.623	1.43	2.651	4.85	4.88	Si
					SLO 13	3.063	-0.472	3.062	-0.566	7.97	8.07	Si
					SLO 14	3.152	-0.463	3.152	-0.5	7.96	8	Si
					SLO 15	3.264	1.046	3.263	0.933	6.45	6.57	Si
					SLO 16	3.353	1.056	3.353	0.999	6.44	6.5	Si
SLO 3	0	0	0	0	SLO 1	-3.081	-1.053	-3.08	-0.826	8.33	8.55	Si
					SLO 2	-2.992	-1.043	-2.991	-0.761	8.26	8.54	Si
					SLO 3	-2.88	0.465	-2.879	0.673	6.83	7.04	Si
					SLO 4	-2.791	0.475	-2.79	0.739	6.76	7.03	Si
					SLO 5	-1.157	-2.62	-1.157	-2.479	9.98	10.12	Si
					SLO 6	-1.084	-2.612	-1.084	-2.424	9.92	10.11	Si
					SLO 7	-0.487	2.441	-0.487	2.519	4.98	5.06	Si
					SLO 8	-0.413	2.449	-0.413	2.573	4.93	5.05	Si
					SLO 9	0.686	-2.446	0.686	-2.401	9.9	9.95	Si
					SLO 10	0.759	-2.438	0.759	-2.346	9.85	9.94	Si
					SLO 11	1.356	2.615	1.356	2.597	4.88	4.9	Si
					SLO 12	1.43	2.623	1.43	2.651	4.85	4.88	Si
					SLO 13	3.063	-0.472	3.062	-0.566	7.97	8.07	Si
					SLO 14	3.152	-0.463	3.152	-0.5	7.96	8	Si
					SLO 15	3.264	1.046	3.263	0.933	6.45	6.57	Si
					SLO 16	3.353	1.056	3.353	0.999	6.44	6.5	Si
SLO 4	0	0	0	0	SLO 1	-3.081	-1.053	-3.08	-0.826	8.33	8.55	Si
					SLO 2	-2.992	-1.043	-2.991	-0.761	8.26	8.54	Si
					SLO 3	-2.88	0.465	-2.879	0.673	6.83	7.04	Si
					SLO 4	-2.791	0.475	-2.79	0.739	6.76	7.03	Si
					SLO 5	-1.157	-2.62	-1.157	-2.479	9.98	10.12	Si
					SLO 6	-1.084	-2.612	-1.084	-2.424	9.92	10.11	Si
					SLO 7	-0.487	2.441	-0.487	2.519	4.98	5.06	Si
					SLO 8	-0.413	2.449	-0.413	2.573	4.93	5.05	Si
					SLO 9	0.686	-2.446	0.686	-2.401	9.9	9.95	Si
					SLO 10	0.759	-2.438	0.759	-2.346	9.85	9.94	Si
					SLO 11	1.356	2.615	1.356	2.597	4.88	4.9	Si
					SLO 12	1.43	2.623	1.43	2.651	4.85	4.88	Si
					SLO 13	3.063	-0.472	3.062	-0.566	7.97	8.07	Si
					SLO 14	3.152	-0.463	3.152	-0.5	7.96	8	Si
					SLO 15	3.264	1.046	3.263	0.933	6.45	6.57	Si
					SLO 16	3.353	1.056	3.353	0.999	6.44	6.5	Si
SLO 5	0	0	0	0	SLO 1	-3.081	-1.053	-3.08	-0.826	8.33	8.55	Si

Bordo sinistro					Bordo destro					Larghezza		Verifica
Comb.	Spostlx	Spostly	SpostJx	SpostJy	Comb.	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLO 2	−2.992	−1.043	−2.991	−0.761	8.26	8.54	Si
					SLO 3	−2.88	0.465	−2.879	0.673	6.83	7.04	Si
					SLO 4	−2.791	0.475	−2.79	0.739	6.76	7.03	Si
					SLO 5	−1.157	−2.62	−1.157	−2.479	9.98	10.12	Si
					SLO 6	−1.084	−2.612	−1.084	−2.424	9.92	10.11	Si
					SLO 7	−0.487	2.441	−0.487	2.519	4.98	5.06	Si
					SLO 8	−0.413	2.449	−0.413	2.573	4.93	5.05	Si
					SLO 9	0.686	−2.446	0.686	−2.401	9.9	9.95	Si
					SLO 10	0.759	−2.438	0.759	−2.346	9.85	9.94	Si
					SLO 11	1.356	2.615	1.356	2.597	4.88	4.9	Si
					SLO 12	1.43	2.623	1.43	2.651	4.85	4.88	Si
					SLO 13	3.063	−0.472	3.062	−0.566	7.97	8.07	Si
					SLO 14	3.152	−0.463	3.152	−0.5	7.96	8	Si
					SLO 15	3.264	1.046	3.263	0.933	6.45	6.57	Si
					SLO 16	3.353	1.056	3.353	0.999	6.44	6.5	Si
SLO 6	0	0	0	0	SLO 1	−3.081	−1.053	−3.08	−0.826	8.33	8.55	Si
					SLO 2	−2.992	−1.043	−2.991	−0.761	8.26	8.54	Si
					SLO 3	−2.88	0.465	−2.879	0.673	6.83	7.04	Si
					SLO 4	−2.791	0.475	−2.79	0.739	6.76	7.03	Si
					SLO 5	−1.157	−2.62	−1.157	−2.479	9.98	10.12	Si
					SLO 6	−1.084	−2.612	−1.084	−2.424	9.92	10.11	Si
					SLO 7	−0.487	2.441	−0.487	2.519	4.98	5.06	Si
					SLO 8	−0.413	2.449	−0.413	2.573	4.93	5.05	Si
					SLO 9	0.686	−2.446	0.686	−2.401	9.9	9.95	Si
					SLO 10	0.759	−2.438	0.759	−2.346	9.85	9.94	Si
					SLO 11	1.356	2.615	1.356	2.597	4.88	4.9	Si
					SLO 12	1.43	2.623	1.43	2.651	4.85	4.88	Si
					SLO 13	3.063	−0.472	3.062	−0.566	7.97	8.07	Si
					SLO 14	3.152	−0.463	3.152	−0.5	7.96	8	Si
					SLO 15	3.264	1.046	3.263	0.933	6.45	6.57	Si
					SLO 16	3.353	1.056	3.353	0.999	6.44	6.5	Si
SLO 7	0	0	0	0	SLO 1	−3.081	−1.053	−3.08	−0.826	8.33	8.55	Si
					SLO 2	−2.992	−1.043	−2.991	−0.761	8.26	8.54	Si
					SLO 3	−2.88	0.465	−2.879	0.673	6.83	7.04	Si
					SLO 4	−2.791	0.475	−2.79	0.739	6.76	7.03	Si
					SLO 5	−1.157	−2.62	−1.157	−2.479	9.98	10.12	Si
					SLO 6	−1.084	−2.612	−1.084	−2.424	9.92	10.11	Si
					SLO 7	−0.487	2.441	−0.487	2.519	4.98	5.06	Si
					SLO 8	−0.413	2.449	−0.413	2.573	4.93	5.05	Si
					SLO 9	0.686	−2.446	0.686	−2.401	9.9	9.95	Si
					SLO 10	0.759	−2.438	0.759	−2.346	9.85	9.94	Si
					SLO 11	1.356	2.615	1.356	2.597	4.88	4.9	Si
					SLO 12	1.43	2.623	1.43	2.651	4.85	4.88	Si
					SLO 13	3.063	−0.472	3.062	−0.566	7.97	8.07	Si
					SLO 14	3.152	−0.463	3.152	−0.5	7.96	8	Si
					SLO 15	3.264	1.046	3.263	0.933	6.45	6.57	Si
					SLO 16	3.353	1.056	3.353	0.999	6.44	6.5	Si
SLO 8	0	0	0	0	SLO 1	−3.081	−1.053	−3.08	−0.826	8.33	8.55	Si
					SLO 2	−2.992	−1.043	−2.991	−0.761	8.26	8.54	Si
					SLO 3	−2.88	0.465	−2.879	0.673	6.83	7.04	Si
					SLO 4	−2.791	0.475	−2.79	0.739	6.76	7.03	Si
					SLO 5	−1.157	−2.62	−1.157	−2.479	9.98	10.12	Si
					SLO 6	−1.084	−2.612	−1.084	−2.424	9.92	10.11	Si
					SLO 7	−0.487	2.441	−0.487	2.519	4.98	5.06	Si
					SLO 8	−0.413	2.449	−0.413	2.573	4.93	5.05	Si
					SLO 9	0.686	−2.446	0.686	−2.401	9.9	9.95	Si
					SLO 10	0.759	−2.438	0.759	−2.346	9.85	9.94	Si
					SLO 11	1.356	2.615	1.356	2.597	4.88	4.9	Si
					SLO 12	1.43	2.623	1.43	2.651	4.85	4.88	Si
					SLO 13	3.063	−0.472	3.062	−0.566	7.97	8.07	Si
					SLO 14	3.152	−0.463	3.152	−0.5	7.96	8	Si
					SLO 15	3.264	1.046	3.263	0.933	6.45	6.57	Si
					SLO 16	3.353	1.056	3.353	0.999	6.44	6.5	Si
SLO 9	0	0	0	0	SLO 1	−3.081	−1.053	−3.08	−0.826	8.33	8.55	Si
					SLO 2	−2.992	−1.043	−2.991	−0.761	8.26	8.54	Si
					SLO 3	−2.88	0.465	−2.879	0.673	6.83	7.04	Si
					SLO 4	−2.791	0.475	−2.79	0.739	6.76	7.03	Si
					SLO 5	−1.157	−2.62	−1.157	−2.479	9.98	10.12	Si
					SLO 6	−1.084	−2.612	−1.084	−2.424	9.92	10.11	Si
					SLO 7	−0.487	2.441	−0.487	2.519	4.98	5.06	Si
					SLO 8	−0.413	2.449	−0.413	2.573	4.93	5.05	Si
					SLO 9	0.686	−2.446	0.686	−2.401	9.9	9.95	Si
					SLO 10	0.759	−2.438	0.759	−2.346	9.85	9.94	Si
					SLO 11	1.356	2.615	1.356	2.597	4.88	4.9	Si
					SLO 12	1.43	2.623	1.43	2.651	4.85	4.88	Si
					SLO 13	3.063	−0.472	3.062	−0.566	7.97	8.07	Si
					SLO 14	3.152	−0.463	3.152	−0.5	7.96	8	Si
					SLO 15	3.264	1.046	3.263	0.933	6.45	6.57	Si
					SLO 16	3.353	1.056	3.353	0.999	6.44	6.5	Si
SLO 10	0	0	0	0	SLO 1	−3.081	−1.053	−3.08	−0.826	8.33	8.55	Si
					SLO 2	−2.992	−1.043	−2.991	−0.761	8.26	8.54	Si
					SLO 3	−2.88	0.465	−2.879	0.673	6.83	7.04	Si
					SLO 4	−2.791	0.475	−2.79	0.739	6.76	7.03	Si
					SLO 5	−1.157	−2.62	−1.157	−2.479	9.98	10.12	Si
					SLO 6	−1.084	−2.612	−1.084	−2.424	9.92	10.11	Si
					SLO 7	−0.487	2.441	−0.487	2.519	4.98	5.06	Si
					SLO 8	−0.413	2.449	−0.413	2.573	4.93	5.05	Si
					SLO 9	0.686	−2.446	0.686	−2.401	9.9	9.95	Si
					SLO 10	0.759	−2.438	0.759	−2.346	9.85	9.94	Si
					SLO 11	1.356	2.615	1.356	2.597	4.88	4.9	Si
					SLO 12	1.43	2.623	1.43	2.651	4.85	4.88	Si
					SLO 13	3.063	−0.472	3.062	−0.566	7.97	8.07	Si
Bordo sinistro					SLO 14	3.152	−0.463	3.152	−0.5	7.96	8	Si
					SLO 15	3.264	1.046	3.263	0.933	6.45	6.57	Si
					SLO 16	3.353	1.056	3.353	0.999	6.44	6.5	Si
SLO 11	0	0	0	0	SLO 1	−3.081	−1.053	−3.08	−0.826	8.33	8.55	Si
					SLO 2	−2.992	−1.043	−2.991	−0.761	8.26	8.54	Si
					SLO 3	−2.88	0.465	−2.879	0.673	6.83	7.04	Si
					SLO 4	−2.791	0.475	−2.79	0.739	6.76	7.03	Si
					SLO 5	−1.157	−2.62	−1.157	−2.479	9.98	10.12	Si

Serbatoio Castellaneta - camera di manovra

Bordo sinistro				Bordo destro					Larghezza		Verifica
Comb.	Spostlx	Spostly	SpostJx	SpostJy	Comb.	Spostlx	Spostly	SpostJx	SpostJy	Min	Max	
					SLO 6	−1.084	−2.612	−1.084	−2.424	9.92	10.11	Si
					SLO 7	−0.487	2.441	−0.487	2.519	4.98	5.06	Si
					SLO 8	−0.413	2.449	−0.413	2.573	4.93	5.05	Si
					SLO 9	0.686	−2.446	0.686	−2.401	9.9	9.95	Si
					SLO 10	0.759	−2.438	0.759	−2.346	9.85	9.94	Si
					SLO 11	1.356	2.615	1.356	2.597	4.88	4.9	Si
					SLO 12	1.43	2.623	1.43	2.651	4.85	4.88	Si
					SLO 13	3.063	−0.472	3.062	−0.566	7.97	8.07	Si
					SLO 14	3.152	−0.463	3.152	−0.5	7.96	8	Si
					SLO 15	3.264	1.046	3.263	0.933	6.45	6.57	Si
					SLO 16	3.353	1.056	3.353	0.999	6.44	6.5	Si
SLO 12	0	0	0	0	SLO 1	−3.081	−1.053	−3.08	−0.826	8.33	8.55	Si
					SLO 2	−2.992	−1.043	−2.991	−0.761	8.26	8.54	Si
					SLO 3	−2.88	0.465	−2.879	0.673	6.83	7.04	Si
					SLO 4	−2.791	0.475	−2.79	0.739	6.76	7.03	Si
					SLO 5	−1.157	−2.62	−1.157	−2.479	9.98	10.12	Si
					SLO 6	−1.084	−2.612	−1.084	−2.424	9.92	10.11	Si
					SLO 7	−0.487	2.441	−0.487	2.519	4.98	5.06	Si
					SLO 8	−0.413	2.449	−0.413	2.573	4.93	5.05	Si
					SLO 9	0.686	−2.446	0.686	−2.401	9.9	9.95	Si
					SLO 10	0.759	−2.438	0.759	−2.346	9.85	9.94	Si
					SLO 11	1.356	2.615	1.356	2.597	4.88	4.9	Si
					SLO 12	1.43	2.623	1.43	2.651	4.85	4.88	Si
					SLO 13	3.063	−0.472	3.062	−0.566	7.97	8.07	Si
					SLO 14	3.152	−0.463	3.152	−0.5	7.96	8	Si
					SLO 15	3.264	1.046	3.263	0.933	6.45	6.57	Si
					SLO 16	3.353	1.056	3.353	0.999	6.44	6.5	Si
SLO 13	0	0	0	0	SLO 1	−3.081	−1.053	−3.08	−0.826	8.33	8.55	Si
					SLO 2	−2.992	−1.043	−2.991	−0.761	8.26	8.54	Si
					SLO 3	−2.88	0.465	−2.879	0.673	6.83	7.04	Si
					SLO 4	−2.791	0.475	−2.79	0.739	6.76	7.03	Si
					SLO 5	−1.157	−2.62	−1.157	−2.479	9.98	10.12	Si
					SLO 6	−1.084	−2.612	−1.084	−2.424	9.92	10.11	Si
					SLO 7	−0.487	2.441	−0.487	2.519	4.98	5.06	Si
					SLO 8	−0.413	2.449	−0.413	2.573	4.93	5.05	Si
					SLO 9	0.686	−2.446	0.686	−2.401	9.9	9.95	Si
					SLO 10	0.759	−2.438	0.759	−2.346	9.85	9.94	Si
					SLO 11	1.356	2.615	1.356	2.597	4.88	4.9	Si
					SLO 12	1.43	2.623	1.43	2.651	4.85	4.88	Si
					SLO 13	3.063	−0.472	3.062	−0.566	7.97	8.07	Si
					SLO 14	3.152	−0.463	3.152	−0.5	7.96	8	Si
					SLO 15	3.264	1.046	3.263	0.933	6.45	6.57	Si
					SLO 16	3.353	1.056	3.353	0.999	6.44	6.5	Si
SLO 14	0	0	0	0	SLO 1	−3.081	−1.053	−3.08	−0.826	8.33	8.55	Si
					SLO 2	−2.992	−1.043	−2.991	−0.761	8.26	8.54	Si
					SLO 3	−2.88	0.465	−2.879	0.673	6.83	7.04	Si
					SLO 4	−2.791	0.475	−2.79	0.739	6.76	7.03	Si
					SLO 5	−1.157	−2.62	−1.157	−2.479	9.98	10.12	Si
					SLO 6	−1.084	−2.612	−1.084	−2.424	9.92	10.11	Si
					SLO 7	−0.487	2.441	−0.487	2.519	4.98	5.06	Si
					SLO 8	−0.413	2.449	−0.413	2.573	4.93	5.05	Si
					SLO 9	0.686	−2.446	0.686	−2.401	9.9	9.95	Si
					SLO 10	0.759	−2.438	0.759	−2.346	9.85	9.94	Si
					SLO 11	1.356	2.615	1.356	2.597	4.88	4.9	Si
					SLO 12	1.43	2.623	1.43	2.651	4.85	4.88	Si
					SLO 13	3.063	−0.472	3.062	−0.566	7.97	8.07	Si
					SLO 14	3.152	−0.463	3.152	−0.5	7.96	8	Si
					SLO 15	3.264	1.046	3.263	0.933	6.45	6.57	Si
					SLO 16	3.353	1.056	3.353	0.999	6.44	6.5	Si
SLO 15	0	0	0	0	SLO 1	−3.081	−1.053	−3.08	−0.826	8.33	8.55	Si
					SLO 2	−2.992	−1.043	−2.991	−0.761	8.26	8.54	Si
					SLO 3	−2.88	0.465	−2.879	0.673	6.83	7.04	Si
					SLO 4	−2.791	0.475	−2.79	0.739	6.76	7.03	Si
					SLO 5	−1.157	−2.62	−1.157	−2.479	9.98	10.12	Si
					SLO 6	−1.084	−2.612	−1.084	−2.424	9.92	10.11	Si
					SLO 7	−0.487	2.441	−0.487	2.519	4.98	5.06	Si
					SLO 8	−0.413	2.449	−0.413	2.573	4.93	5.05	Si
					SLO 9	0.686	−2.446	0.686	−2.401	9.9	9.95	Si
					SLO 10	0.759	−2.438	0.759	−2.346	9.85	9.94	Si
					SLO 11	1.356	2.615	1.356	2.597	4.88	4.9	Si
					SLO 12	1.43	2.623	1.43	2.651	4.85	4.88	Si
					SLO 13	3.063	−0.472	3.062	−0.566	7.97	8.07	Si
					SLO 14	3.152	−0.463	3.152	−0.5	7.96	8	Si
					SLO 15	3.264	1.046	3.263	0.933	6.45	6.57	Si
					SLO 16	3.353	1.056	3.353	0.999	6.44	6.5	Si
SLO 16	0	0	0	0	SLO 1	−3.081	−1.053	−3.08	−0.826	8.33	8.55	Si
					SLO 2	−2.992	−1.043	−2.991	−0.761	8.26	8.54	Si
					SLO 3	−2.88	0.465	−2.879	0.673	6.83	7.04	Si
					SLO 4	−2.791	0.475	−2.79	0.739	6.76	7.03	Si
					SLO 5	−1.157	−2.62	−1.157	−2.479	9.98	10.12	Si
					SLO 6	−1.084	−2.612	−1.084	−2.424	9.92	10.11	Si
					SLO 7	−0.487	2.441	−0.487	2.519	4.98	5.06	Si
					SLO 8	−0.413	2.449	−0.413	2.573	4.93	5.05	Si
					SLO 9	0.686	−2.446	0.686	−2.401	9.9	9.95	Si
					SLO 10	0.759	−2.438	0.759	−2.346	9.85	9.94	Si
					SLO 11	1.356	2.615	1.356	2.597	4.88	4.9	Si
					SLO 12	1.43	2.623	1.43	2.651	4.85	4.88	Si
					SLO 13	3.063	−0.472	3.062	−0.566	7.97	8.07	Si
					SLO 14	3.152	−0.463	3.152	−0.5	7.96	8	Si
					SLO 15	3.264	1.046	3.263	0.933	6.45	6.57	Si
					SLO 16	3.353	1.056	3.353	0.999	6.44	6.5	Si