REGIONE SICILIANA	COMUNE DI RESUTTANO	COMUNE DI SANTA CATERINA VILLARMOSA	COMUNE DI ALIMENA	COMUNE DI CASTELLANA SICULA	COMUNE DI PETRALIA SOTTANA	COMUNE DI VILLALBA

Il Committente:

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Il Progettista:

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dott. ing. VINCENZO DI MARCO
VINCENZO DI MARCO

Titolo del progetto:

PARCO EOLICO "SAN NICOLA"
POTENZA NOMINALE 46,2 MW

Documento:	N° Documento:
PROGETTO DEFINITIVO	**NPS7_RES_D10_REL**

ID PROGETTO:				TIPOLOGIA:		FORMATO:	**A4**

TITOLO:

RELAZIONE DI PREDIMENSIONAMENTO DELLE FONDAZIONI

FOGLIO:		SCALA:		NA:

Rev:	Data	Descrizione Revisione	Redatto	Controllato	Approvato
0				V.D.	V.R.

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RELAZIONE TECNICA

OGGETTO: Predimensionamento opere di fondazione per il parco eolico "San Nicola" sito in C.da Manche di Raffa nei comuni di Resuttano (CL) e Santa Caterina Villarmosa (CL).

1. GENERALITA'.

La seguente relazione di calcolo preliminare si riferisce al predimensionamento del plinto di fondazione tipo di una torre-aerogeneratore del tipo SG 6.6-170 da installarsi in agro del comune di Resuttano della provincia di Caltanissetta.

Tutte le calcolazioni sono state eseguite nel rispetto dei metodi della Scienza delle Costruzioni ed in ossequio alle normative attualmente vigenti. In particolare, il criterio di progettazione e verifica adottato è quello degli stati limite.

Il predimensionamento geometrico delle opere in calcestruzzo armato e il progetto delle relative armature, ha come supporto le sollecitazioni al piede della torre fornite dal produttore dell'aerogeneratore.

Sulla scorta dei risultati delle prove sui terreni oggetto dell'intervento di che trattasi di cui alla relazione geologica redatta dal Dott. Geol. Giuseppe Massimo Volo si sono individuate le caratteristiche geotecniche degli stessi nonché la scelta della tipologia fondale da porre in essere. La quantificazione delle opere sarà eseguita in fase di progettazione esecutiva, a valle di una più dettagliata indagine geologica e geotecnica come previsto dalle normative vigenti.

Il rotore dell'aerogeneratore Siemens Gamesa SG 6.6-170 ha un diametro di 170 m, cui corrisponde un'area spazzata di circa 22.498,00 m^2.

Esso è costituito da tre pale rotoriche che sviluppano la potenza nominale effettiva di 6600 KW.

La turbina eolica è installata in sommità di una torre tubolare costituita da n. 4 elementi tronco-conici in acciaio di differenti dimensioni, che raggiungono un'altezza al mozzo di 115 ml ed un'altezza complessiva di 200 ml dal piano campagna.

2. DESCRIZIONE.

Il plinto calcolato è costituito da un prisma regolare a base circolare sormontato da un cilindro di cui di seguito si riportano le caratteristiche geometriche.

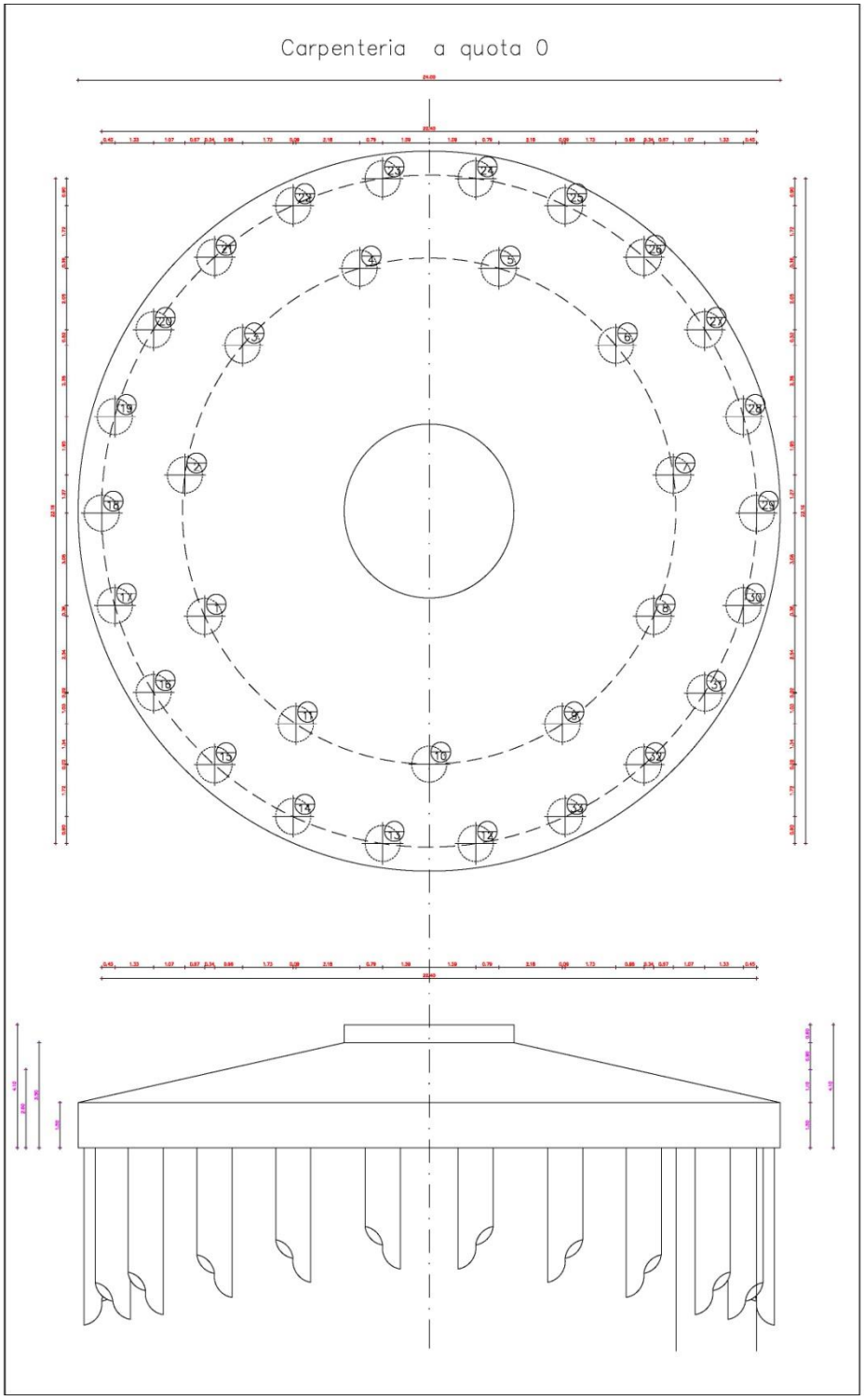

Figura 1

Sulla base delle caratteristiche dei terreni interessati, evidenziate dai risultati delle prove di cui alla relazione geologica a firma del dott. Volo, si ritiene opportuno porre il plinto di fondazione del diametro di mt 24.00, su fondazione indiretta costituita da n.33 pali dello Φ= 120 cm disposti su due file concentriche, disposti secondo la figura, ammorsati nei terreni fondali per mt.25,00. La distanza fra i pali della fila esterna e il centro della fondazione (Dext) è di 11,20 mt , mentre quella fra i pali della fila interna e il centro della fondazione (Dint) è di 8,44 mt. L'interasse tra i pali è pari a 3.20 mt. per la fila esterna e a 4.82 mt. per la fila interna.

Nell'esecuzione del progetto, nel calcolo strutturale, e nelle modalità di posa in opera si è fatto riferimento alla seguente normativa:

- Legge 5 Novembre 1971 n.1086 (G.U. 21 dicembre 1971 n.321) "Norme per la disciplina delle opere di conglomerato cementizio armato, normale e precompresso ed a struttura metallica";
- D.M. del 24/1/1986 - Norme tecniche relative alle costruzioni sismiche;
- Legge 2 febbraio 1974 n.64 (G.U. 21 marzo 1974 n.76) "Provvedimenti per le costruzioni con particolari prescrizioni per le zone sismiche" Indicazioni progettive per le nuove costruzioni in zone sismiche a cura del Ministero per la Ricerca scientifica - Roma 1981;
- D.M. Infrastrutture Trasporti 14 gennaio 2008 (G.U. 4 febbraio 2008 n.29 - Suppl. Ord.) "Norme tecniche per le costruzioni" Inoltre, in mancanza di specifiche indicazioni, ad indicazione della norma precedente e per quanto con esse non in contrasto, sono state utilizzate le indicazioni contenute nella Circolare 2 febbraio 2009 n.617 del Ministero delle Infrastrutture e dei Trasporti (G.U. 26 febbraio 2009 n. 27 - Suppl. Ord.) "Istruzioni per l'applicazione delle 'Norme Tecniche per le costruzioni' di cui al D.M. 14 gennaio 2008" e successive modifiche ed integrazioni di cui al DM del 17/01/2018;
- Circolare 2 febbraio 2009 n.617 del Ministero delle Infrastrutture e dei Trasporti (G.U. 26 febbraio 2009 n. 27 – Suppl. Ord.) "Istruzioni per l'applicazione delle 'Norme Tecniche per le costruzioni' di cui al D.M. 14 gennaio 2008" e successive modifiche ed integrazioni con la Circolare n.7 del 21/01/2019;
- IEC 61400-1, 2° Edition, February 1999. Wind turbine generator system – Part 1:
- Safety requirements ;
- UNI 9858. Concrete. Performance, production, placing and compliance criteria.

- UNI ENV 1992-1-1 del 31-01-1993 Eurocodice 2. Progettazione delle strutture di calcestruzzo.

Inoltre per il calcolo di progetto della torre di sostegno dell'aerogeneratore, eseguito dal produttore, le sollecitazioni massime sono state determinate sulla scorta di quanto previsto dalle:

1. EC_Ed3_NCV_00_08010000_A_10_07_17p0 per l'azione FXTB;
2. IEC_Ed3_NCV_60_01030000_A_05_12p0 per l'azione FYZTB;
3. EC_Ed3_NCV_60_01040000_B_02_01_01_11p0 per il momento MXTB;
4. IEC_Ed3_NCV_60_01030000_A_05_12p0 per il momento MYTB.

Le sollecitazioni al piede della torre fornite dal produttore dell'aerogeneratore in riferimento ai carichi "Extreme Loads" sono quelle di cui alla tabella 1:

Tabella 1

Load case	DLC Type	Load factor	F_{xy} (kN)	F_z (kN)	M_{xy} (kNm)	Mxy+ΔMxy (kNm)	M_z (kNm)
ULS without Psf	A	1.0	1498	6566	179651	185069	2231
ULS with Psf	A	1.1 0.9	1648	7222 5909	197616	**203034**	2454
ULS with Psf (Torsion)	N	1.35/1.1* 0.9	441	6985 * 5715	49389	54806	**18061**

Table 2 SG 6.6-170 T115-58B Factored/Unfactored Extreme loads at base of the tower

Come si può notare dalla Tabella precedente, i valori più gravosi in prossimità del collegamento della torre con la fondazione (quota 0), posti alla base del calcolo di predimensionamento, risultano essere:

- N= 7222 kN
- V= 1648 kN
- M= 203034 kNm

Le verifiche della struttura di fondazione sono state di seguito condotte col metodo degli stati limite in accordo con le modalità operative di cui alle NTC 2018. Si rappresenta che si è fissato lo zero sismico alla base della torre pertanto l'analisi della fondazione è stata svolta solo in ambito statico.

Il carico prodotto dal vento non sarà mai statico su una sola direzione, ma potrà variare su 360 gradi, per tale motivo nella progettazione delle armature si prende in considerazione la zona più

sollecitata per il calcolo delle armature all'interno del plinto, armando in modo omogeneo (in senso radiale e concentrica) tutti i 360 gradi che compongono il plinto di fondazione.

Ai carichi verticali, oltre al peso della torre, della navicella e del rotore contemplati nella ipotesi di carico precedente, va sommato il peso del plinto di fondazione di entità non trascurabile nonché il terreno di copertura del plinto stesso.

Il software strutturale utilizzato, in automatico genera il peso proprio della struttura di fondazione, in base al materiale impiegato e alla geometria del plinto stabilita dal progettista.

I dati inseriti nel software strutturale, derivano dalla combinazione della condizione Extreme 6.1 con il peso proprio G1 moltiplicati per il coefficiente parziale 1.35, così come previsto dalla IEC 61400-1.

3. OPERE DI FONDAZIONE.

Come anticipato nei paragrafi precedenti le fondazioni saranno di tipo indiretto con pali dello Φ 120 cm ammorsati, superato il primo strato di terreno agrario dello spessore di circa 1,00 mt, nelle tipologie degli strati successivi aventi caratteristiche e spessori di cui al riepilogo che segue.

Infine le armature di seguito descritte sono state calcolate sulla scorta dei valori relativi alle sollecitazioni più gravose, in quanto ai valori di Wood Armer per i momenti M_{zz} e M_{xx}, delle torri denominate WTG_4, WTG_1 e WTG_5 (WTG_2, WTG_7) .

La testa dei pali sarà ammorsata ad una plinto di fondazione di spessore variabile al cui culmine verrà collocata la torre-aerogeneratore . Detto plinto è stato discretizzato con elementi tipo shell di sezione variabile.

Per i terreni interessati dall'ammorsamento dei pali si sono utilizzati i seguenti valori:

Per la torre denominata WTG_5(WTG_2, WTG_7):

0 Terreno agrario da mt 0,00 a mt. 0,90 ;

1. Strato n.1 – Argille marnose moderatamente consistenti da mt 0,90 a mt. 25,00 :

- Peso per unità di volume (γ_a) = 1.960 [daN/m^3];
- Peso di volume saturo (γ_s) = 1.880 [daN/m^3];
- Angolo di attrito interno (φ')= 23°;
- Coesione non drenata (C_u)= 0,31 [daN/cm^2] ;

- Coesione drenata (C')= 0,11 [daN/cm^2] ;

Per la torre denominata WTG_4:

0 Terreno agrario da mt 0,00 a mt. 1,20 ;

1. Strato n.1 – Argille di colore brunastro da mt 1,20 a mt. 5,00 :

- Peso per unità di volume (γ_a) = 1.932 [daN/m^3];
- Peso di volume saturo (γ_s) = 1.980 [daN/m^3];
- Angolo di attrito interno (φ')= 19,24°;
- Coesione non drenata (C_u)= 0,795 [daN/cm^2] ;
- Coesione drenata (C')= 0,219 [daN/cm^2] ;

2. Strato n.2 – Livello gessoso a consistenza litoide da mt 5.00 a mt. 10.80 :

- Peso per unità di volume (γ_a) = 2.200 [daN/m^3];
- Peso di volume saturo (γ_s) = 2.200 [daN/m^3];
- Angolo di attrito interno (φ')= 38°;
- Coesione drenata (C')= 1.50 [daN/cm^2] ;

3. Strato n.3 - Argille di colore brunastro da mt 10,80 a mt. 11,80 :

- Peso per unità di volume (γ_a) = 1.932 [daN/m^3];
- Peso di volume saturo (γ_s) = 1.980 [daN/m^3];
- Angolo di attrito interno (φ')= 19,24°;
- Coesione non drenata (C_u)= 0,795 [daN/cm^2] ;
- Coesione drenata (C')= 0,219 [daN/cm^2] ;

4. Strato n.4 – Livello gessoso a consistenza litoide da mt 11,80 a mt. 13,30 :

- Peso per unità di volume (γ_a) = 2.200 [daN/m^3];
- Peso di volume saturo (γ_s) = 2.200 [daN/m^3];
- Angolo di attrito interno (φ')= 38°;
- Coesione drenata (C')= 1.50 [daN/cm^2] ;

5. Strato n.5 - Argille di colore brunastro da mt 13,30 a mt. 16,30:

- Peso per unità di volume (γ_a) = 1.932 [daN/m^3];
- Peso di volume saturo (γ_s) = 1.980 [daN/m^3];
- Angolo di attrito interno (φ')= 19,24°;

- Coesione non drenata (C_u)= 0,795 [daN/cm^2] ;
- Coesione drenata (C')= 0,219 [daN/cm^2] ;

6. Strato n.6 – Livello gessoso a consistenza litoide da mt 16,30 a mt. 18,20 :

- Peso per unità di volume (γ_a) = 2.200 [daN/m^3];
- Peso di volume saturo (γ_s) = 2.200 [daN/m^3];
- Angolo di attrito interno (φ')= 38°;
- Coesione drenata (C')= 1.50 [daN/cm^2] ;

7. Strato n.7 - Argille di colore brunastro da mt 18,20 a fondo foro:

- Peso per unità di volume (γ_a) = 1.932 [daN/m^3];
- Peso di volume saturo (γ_s) = 1.980 [daN/m^3];
- Angolo di attrito interno (φ')= 19,24°;
- Coesione non drenata (C_u)= 0,795 [daN/cm^2] ;
- Coesione drenata (C')= 0,219 [daN/cm^2] ;

Per la torre denominata WTG_1:

1. Strato n.1 – Sabbie mediamente addensate da mt 0,00 a mt. 2,50 :

- Peso per unità di volume (γ_a) = 1.540 [daN/m^3];
- Peso di volume saturo (γ_s) = 1.960 [daN/m^3];
- Angolo di attrito interno (φ')= 31,50°;
- Coesione drenata (C')= 0,00 [daN/cm^2] ;

2. Strato n.2 - Calcareniti da mt 2,50 a 8,70:

- Peso per unità di volume (γ_a) = 2.300 [daN/m^3];
- Peso di volume saturo (γ_s) = 2.300 [daN/m^3];
- Angolo di attrito interno (φ')= 35°;
- Coesione non drenata (C_u)= -- [daN/cm^2] ;
- Coesione drenata (C')= 1,00 [daN/cm^2] ;

3. Strato n.3 – Limi sabbiosi giallastri da mt 8,70 a mt 13,90:

- Peso per unità di volume (γ_a) = 1.610 [daN/m^3];
- Peso di volume saturo (γ_s) = 2.000 [daN/m^3];
- Angolo di attrito interno (φ')= 31,60°;
- Coesione non drenata (C_u)= 1,38 [daN/cm^2] ;

- Coesione drenata (C')= -- [daN/cm^2] ;

4. Strato n.4 - Calcareniti da mt 13,90 a 16,50:

- Peso per unità di volume (γ_a) = 2.300 [daN/m^3];
- Peso di volume saturo (γ_s) = 2.300 [daN/m^3];
- Angolo di attrito interno (φ')= 35°;
- Coesione non drenata (C_u)= -- [daN/cm^2] ;
- Coesione drenata (C')= 1,00 [daN/cm^2] ;

5. Strato n.5 – Limi sabbiosi giallastri da mt 16,50a fondo foro:

- Peso per unità di volume (γ_a) = 1.610 [daN/m^3];
- Peso di volume saturo (γ_s) = 2.000 [daN/m^3];
- Angolo di attrito interno (φ')= 31,60°;
- Coesione non drenata (C_u)= 1,38 [daN/cm^2] ;
- Coesione drenata (C')= -- [daN/cm^2] ;

Materiali utilizzati :

1. Plinto di fondazione.

Calcestruzzo classe C40/50 :

- P <daN/mc>2500 ;
- E <daN/cmq>355471.00;
- G <daN/cmq>161578.00;
- ν =0.1;
- α= 1.00E-05.

Calcestruzzo classe C50/60 :

- P <daN/mc>2500 ;
- E <daN/cmq>372393.00;
- G <daN/cmq>169270.00;
- ν =0.1;
- α= 1.00E-05

Tipo di acciaio B450C:

- E <daN/cmq>2060000.00;
- Fyk <daN/cmq> 4500

Pali di fondazione.

Calcestruzzo classe C30/37 :

- P <daN/mc>2500 ;
- E <daN/cmq>330194.00;
- G <daN/cmq>159036.00;
- ν =0.1;
- α= 1.00E-05.

Tipo di acciaio B450C:

- E <daN/cmq>2060000.00;
- F_{yk} <daN/cmq> 4500

Per i dettagli vedasi la relazione geologica e la relazione di calcolo allegate.

4. CARATTERISTICHE DEL PROGRAMMA DI CALCOLO E PROGETTO DELLE ARMATURE.

4.1 Programma di calcolo

Si tratta di una procedura volta alla progettazione di strutture in c.a. in zona sismica e non, che si avvale come solutori dei programmi agli elementi finiti (F.E.M.) . Il plinto di fondazione è stato modellato con elementi di tipo bidimensionale (Shell), di spessore variabile, a comportamento flessionale-membranale.
La colonna stratigrafica inserita per il calcolo dello stato tensionale e deformativo dei pali di fondazione è dedotta dai valori riportati nella relazione geologica.
Il programma è rappresentato da un pre-processore per la generazione dei file di input del solutore agli elementi finiti e da un post-processore per il calcolo delle sezioni e la generazione delle armature secondo la legislazione vigente.
Le figure seguenti mostrano la struttura discretizzata secondo il modello di calcolo adottato:

VISTA ASSONOMETRICA DEL MODELLO

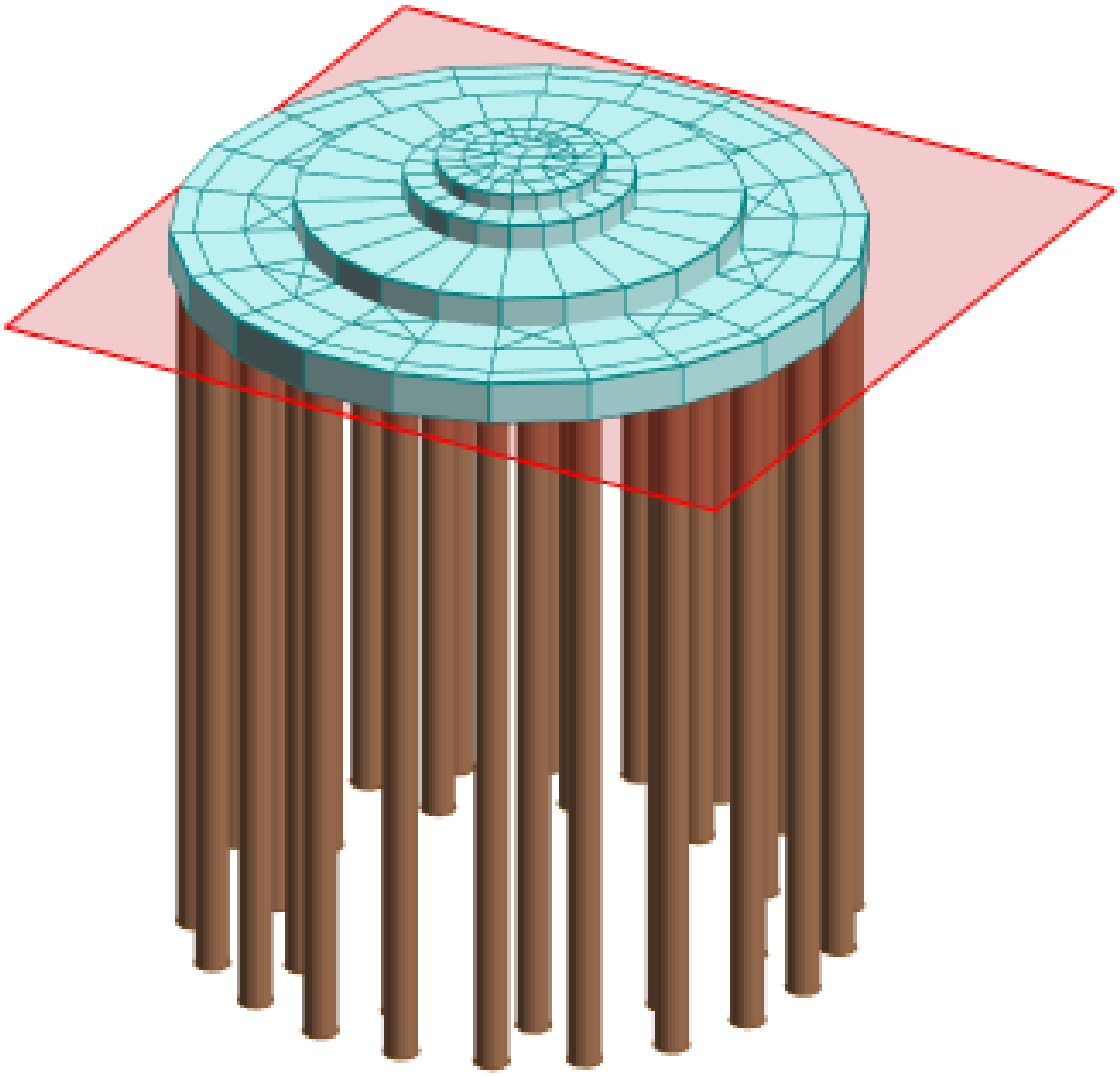

Figura 2

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PLANIMETRIA

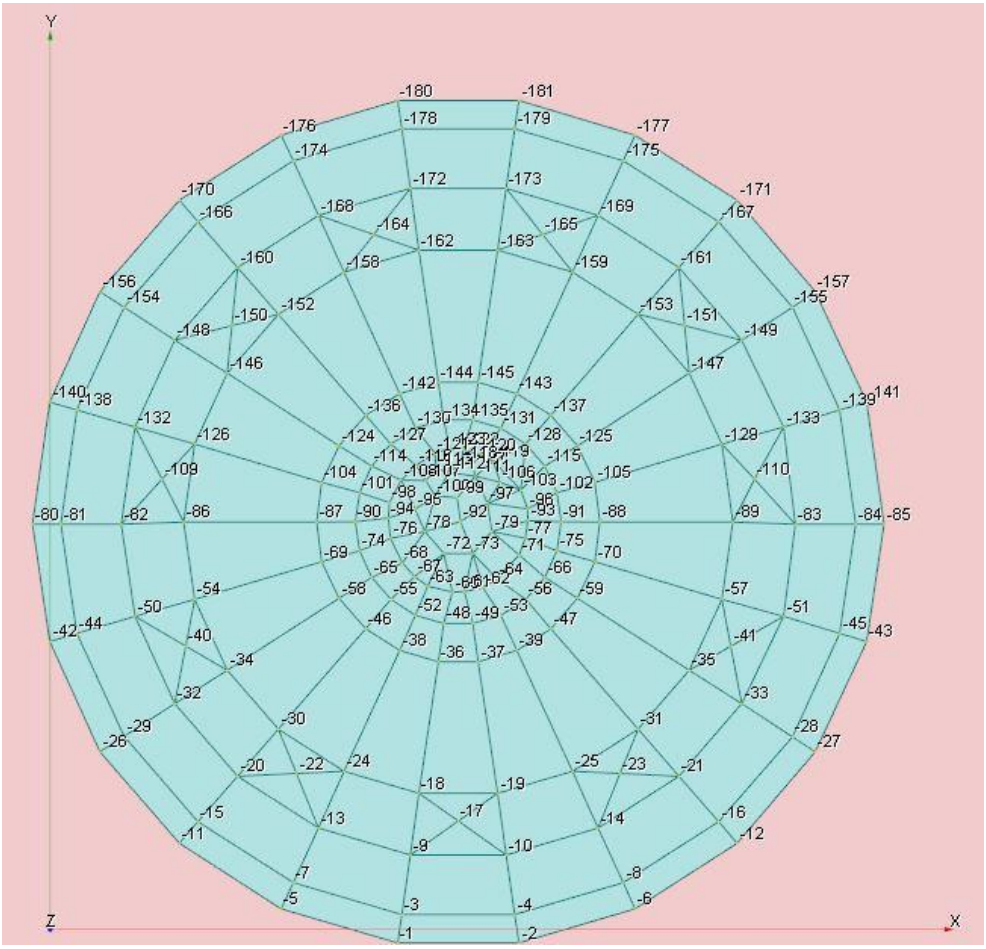


Figura 3

Le dimensioni dell’armatura superiore ed inferiore della platea, relative alla fondazione della torre denominata WTG_5 che ha espresso i valori più rappresentativi in termini di sollecitazioni sulle sezioni

considerate, vengono determinate seguendo l'approccio Wood Armer per individuare i momenti di progetto sui quali dimensionare l'armatura. In questo modo infatti non si trascura il contributo del momento torcente mxy che agisce sui lati dell'elemento shell.

Nella figura successiva si riportano i diagrammi di Wood Armer, utilizzati per il calcolo delle armature, dei momenti Mx ed Mzz:

PARTICOLARE DEL DIAGRAMMA DI WOOD ARMER RELATIVO A Mxx .

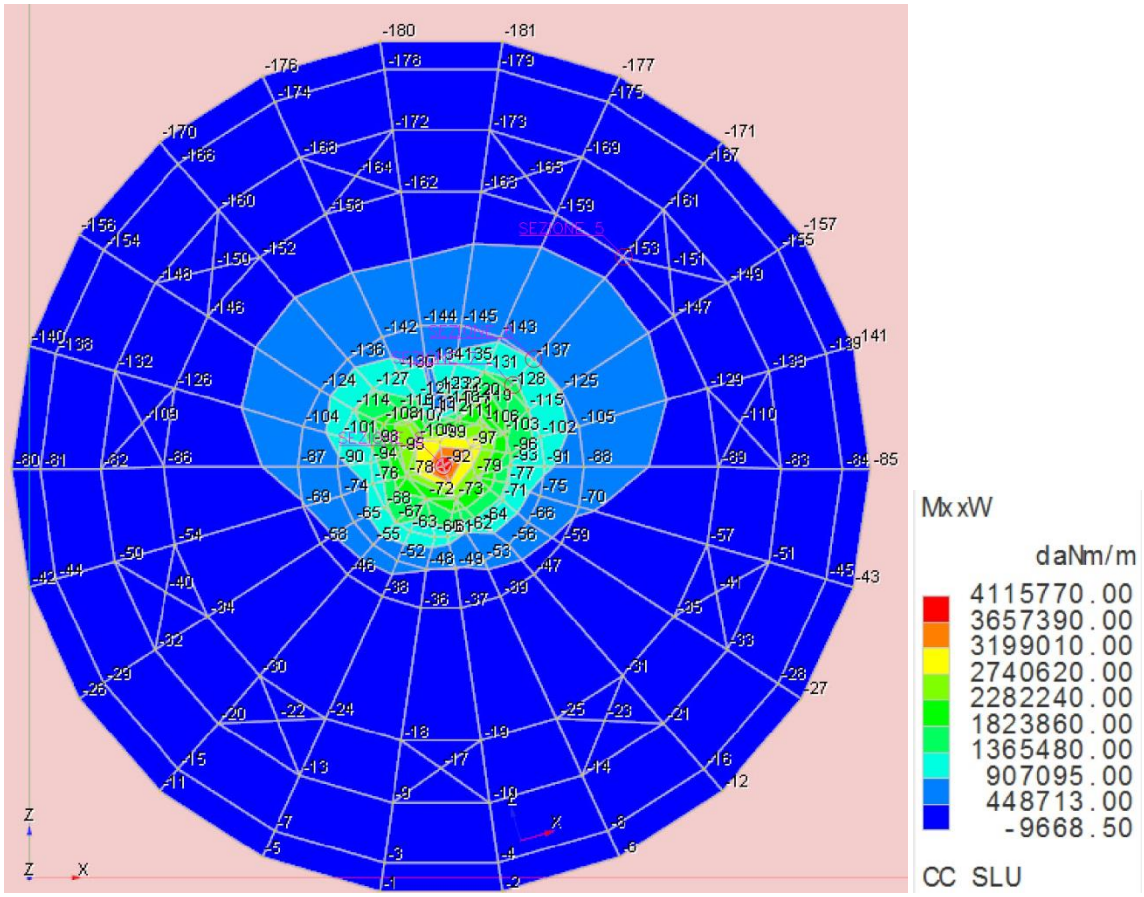


Figura 4

PARTICOLARE DEL DIAGRAMMA DI WOOD ARMER RELATIVO A Mzz .

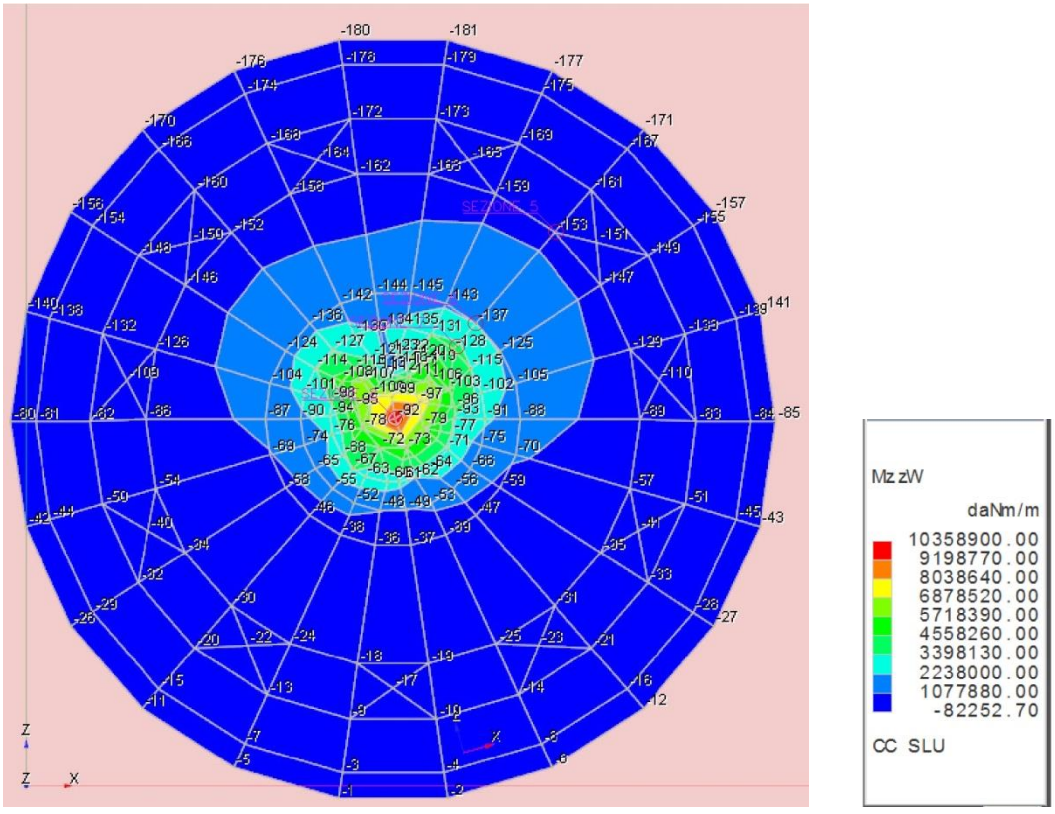


Figura 5

4.2 Progetto delle armature.

Partendo dalle sollecitazioni valutate nella condizione di carico definita nel paragrafo 2 è stata calcolata l’armatura da adottare, riportata nelle figure seguenti. Si rimanda ai tabulati di calcolo per i dettagli.

Dal progetto delle sezioni più sollecitate, in direzione x e z (vedi assi locali in figura) dei singoli elementi shell della fondazione, si evince quanto rappresentato di seguito:

ARMATURA RADIALE E CONCENTRICA

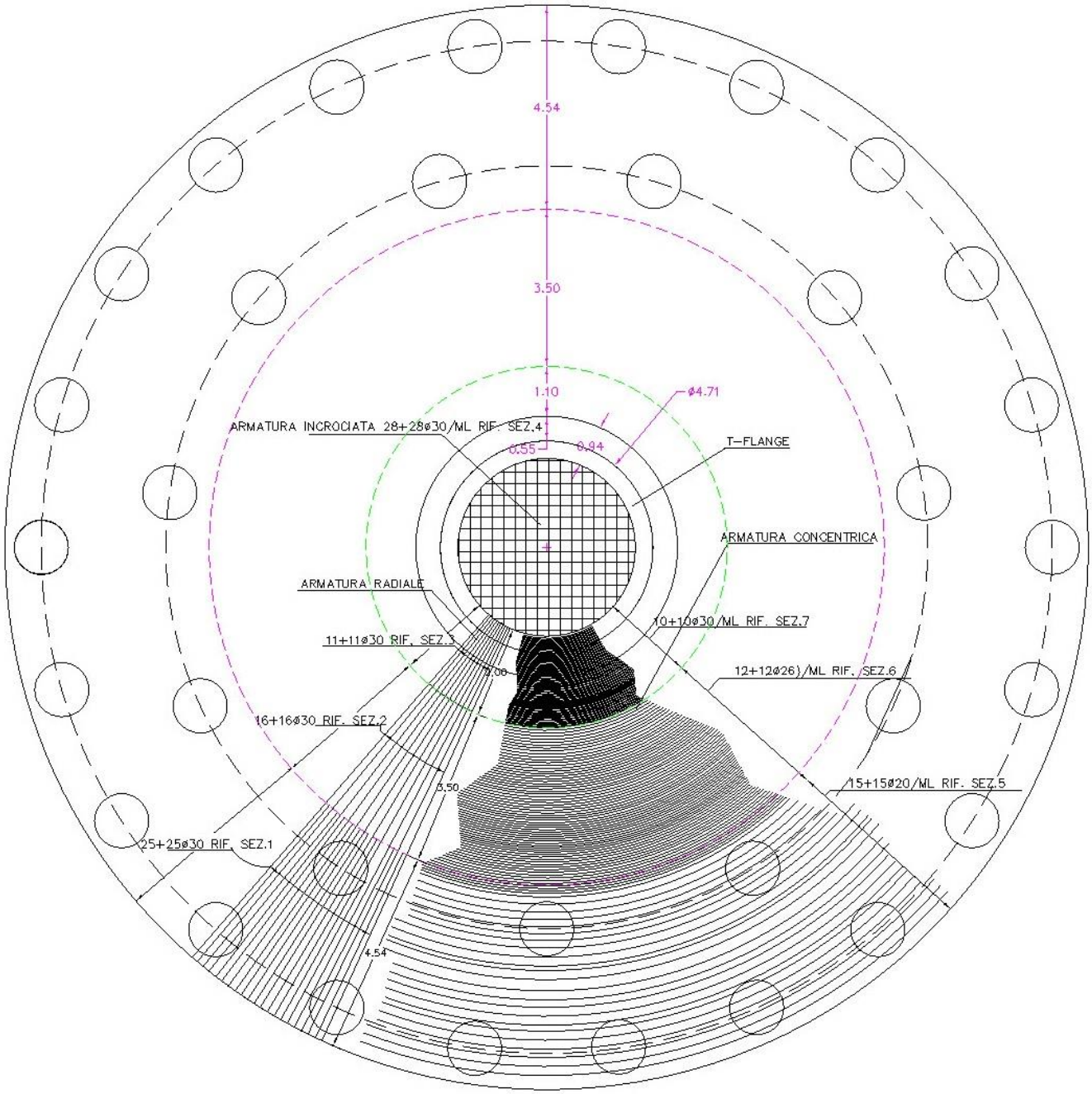


Figura 6

ARMATURA RADIALE DELLE SEZIONI TIPO

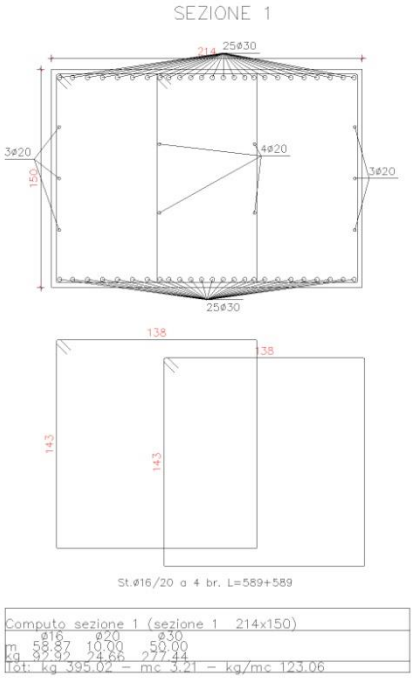


Figura 7

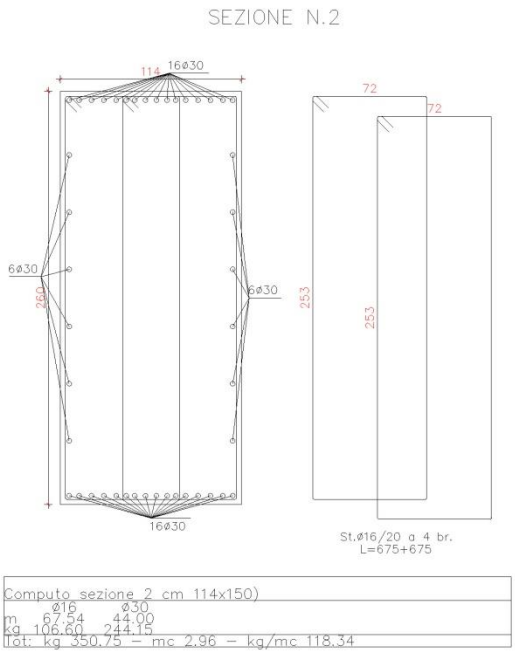


Figura 8

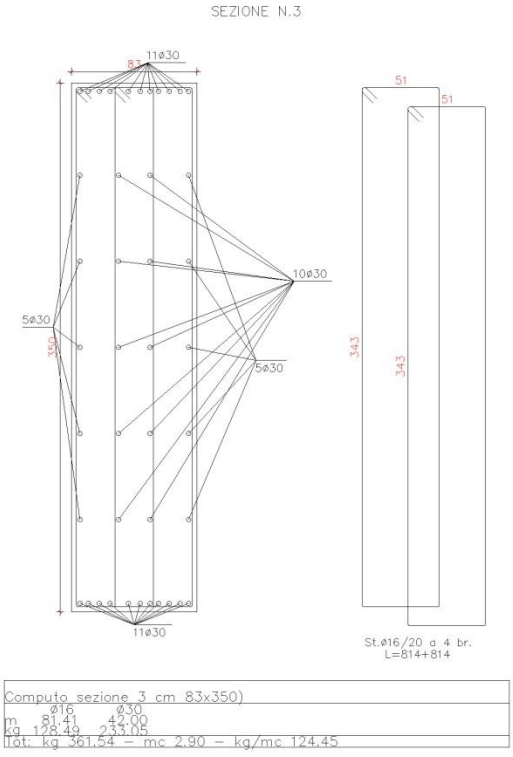


Figura 9

ARMATURA CONCENTRICA DELLE SEZIONI TIPO

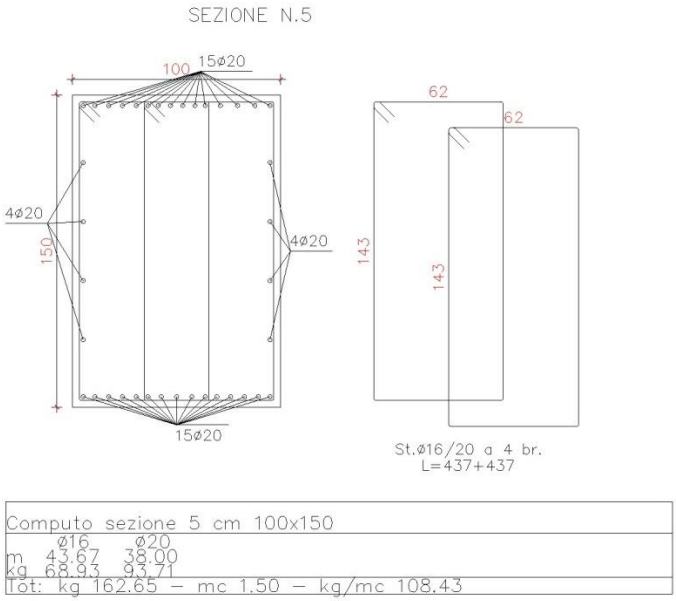

SEZIONE N.5
100
15ø20
4ø20
150
4ø20
15ø20
62
62
143
143
St.ø16/20 a 4 br.
L=437+437
Computo sezione 5 cm 100x150
ø16 ø20
m 43.67 38.00
kg 68.93 93.71
Tot: kg 162.65 – mc 1.50 – kg/mc 108.43

Figura 10

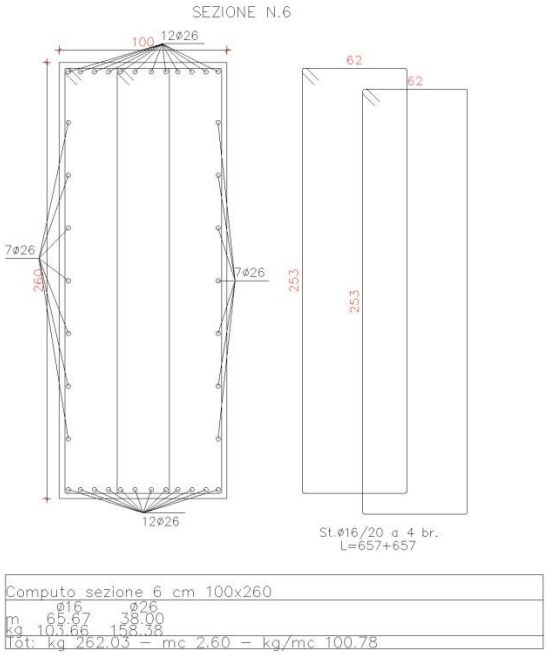


Figura 11

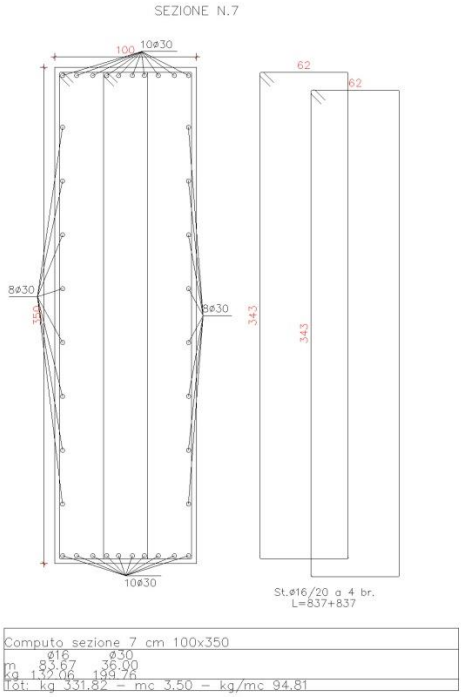
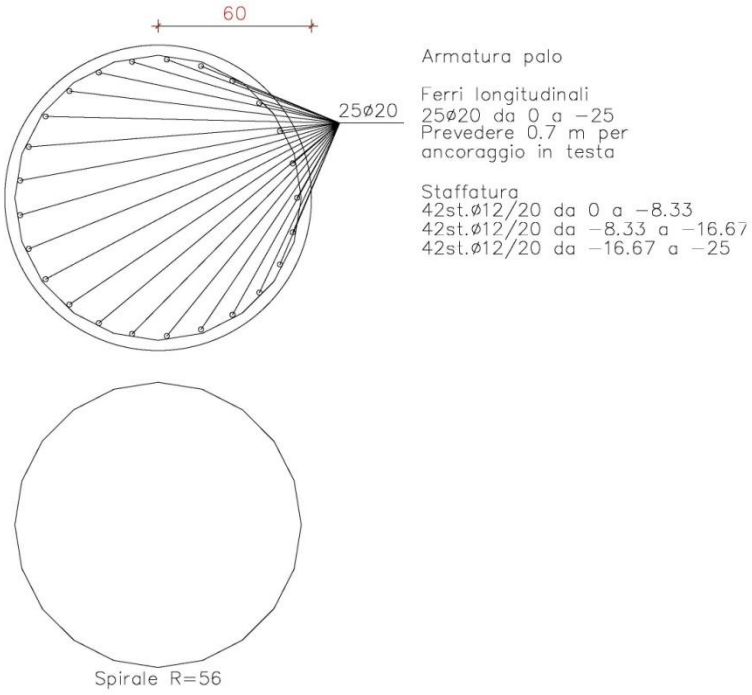


Figura 12

ARMATURA DEL PALO TIPO



Computo palo tipo		
	ø12	ø20
m	441.52	642.50
kg	391.99	1584.50
Tot: kg 1976.49 − mc 28.27 − kg/mc 69.90		

Figura 13

RELAZIONE DI CALCOLO

Agon Engineering
Piazza Trento n. 35, 93100
Caltanissetta (CL)

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Sommario

Introduzione

Sistemi di riferimento

Le coordinate, i carichi concentrati, i cedimenti, le reazioni vincolari e gli spostamenti dei NODI sono riferiti ad una terna destra cartesiana globale con l'asse Z verticale rivolto verso l'alto.
I carichi in coordinate locali e le sollecitazioni delle ASTE sono riferite ad una terna destra cartesiana locale così definita:
- origine nel nodo iniziale dell'asta;
- asse X coincidente con l'asse dell'asta e con verso dal nodo iniziale al nodo finale;
- immaginando la trave a sezione rettangolare l'asse Y è parallelo alla base e l'asse Z è parallelo all'altezza. La rotazione dell'asta comporta quindi una rotazione di tutta la terna locale.

Si può immaginare la terna locale di un'asta comunque disposta nello spazio come derivante da quella globale dopo una serie di trasformazioni:
- una rotazione intorno all'asse Z che porti l'asse X a coincidere con la proiezione dell'asse dell'asta sul piano orizzontale;
- una traslazione lungo il nuovo asse X così definito in modo da portare l'origine a coincidere con la proiezione del nodo iniziale dell'asta sul piano orizzontale;
- una traslazione lungo l'asse Z che porti l'origine a coincidere con il nodo iniziale dell'asta;
- una rotazione intorno all'asse Y così definito che porti l'asse X a coincidere con l'asse dell'asta;
- una rotazione intorno all'asse X così definito pari alla rotazione dell'asta.

In pratica le travi prive di rotazione avranno sempre l'asse Z rivolto verso l'alto e l'asse Y nel piano del solaio, mentre i pilastri privi di rotazione avranno l'asse Y parallelo all'asse Y globale e l'asse Z parallelo ma controverso all'asse X globale. Da notare quindi che per i pilastri la "base" è il lato parallelo a Y.

Le sollecitazioni ed i carichi in coordinate locali negli ELEMENTI BIDIMENSIONALI e nei MURI sono riferiti ad una terna destra cartesiana locale così definita:
- origine nel primo nodo dell'elemento;
- asse X coincidente con la congiungente il primo ed il secondo nodo dell'elemento;
- asse Y definito come prodotto vettoriale fra il versore dell'asse X e il versore della congiungente il primo e il quarto nodo. Asse Z a formare con gli altri due una terna destrorsa.

Praticamente un elemento verticale con l'asse X locale coincidente con l'asse X globale ha anche gli altri assi locali coincidenti con quelli globali.

Rotazioni e momenti

Seguendo il principio adottato per tutti i carichi che sono positivi se CONTROVERSI agli assi, anche i momenti concentrati e le rotazioni impresse in coordinate globali risultano positivi se CONTROVERSI al segno positivo delle rotazioni. Il segno positivo dei momenti e delle rotazioni è quello orario per l'osservatore posto nell'origine: X ruota su Y, Y ruota su Z, Z ruota su X. In pratica è sufficiente adottare la regola della mano destra: col pollice rivolto nella direzione dell'asse, la rotazione che porta a chiudere il palmo della mano corrisponde al segno positivo.

Normativa di riferimento

La normativa di riferimento è la seguente:
- Legge n. 64 del 2/2/1974 - Provvedimenti per le costruzioni con particolari prescrizioni per le zone sismiche.

- D.M. del 24/1/1986 - Norme tecniche relative alle costruzioni sismiche.

- Legge n. 1086 del 5/11/1971 - Norme per la disciplina delle opere di conglomerato cementizio armato, normale e precompresso ed a struttura metallica.

- D.M. del 14/2/1992 - Norme tecniche per l'esecuzione delle opere in c.a. normale e precompresso e per le strutture metalliche.

- D.M. del 9/1/1996 - Norme tecniche per l'esecuzione delle opere in c.a. normale e precompresso e per le strutture metalliche.

- D.M. del 16/1/1996 - Norme tecniche per le costruzioni in zone sismiche.

- Circolare n. 21745 del 30/7/1981 - Legge n. 219 del 14/5/1981 - Art. 10 - Istruzioni relative al rafforzamento degli edifici in muratura danneggiati dal sisma.

- Regione Autonoma Friuli Venezia Giulia - Legge Regionale n. 30 del 20/6/1977 - Documentazione tecnica per la progettazione e direzione delle opere di riparazione degli edifici - Documento Tecnico n. 2 - Raccomandazioni per la riparazione strutturale degli edifici in muratura.

- D.M. del 20/11/1987 - Norme Tecniche per la progettazione, esecuzione e collaudo degli edifici in muratura e per il loro consolidamento.

- Norme Tecniche C.N.R. n. 10011-85 del 18/4/1985 - Costruzioni di acciaio - Istruzioni per il calcolo, l'esecuzione, il collaudo e la manutenzione.

- Norme Tecniche C.N.R. n. 10025-84 del 14/12/1984 - Istruzioni per il progetto, l'esecuzione ed il controllo delle strutture prefabbricate in conglomerato cementizio e per le strutture costruite con sistemi industrializzati di acciaio - Istruzioni per il calcolo, l'esecuzione, il collaudo e la manutenzione.

- Circolare n. 65 del 10/4/1997 - Istruzioni per l'applicazione delle "Norme tecniche per le costruzioni in zone sismiche" di cui al D.M. del 16/1/1996.

- Eurocodice 5 - Progettazione delle strutture di legno.

- DIN 1052 - Metodi di verifica per il legno.

- D.M. del 17/1/2018 - Norme tecniche per le costruzioni.

- Circolare n. 7 del 21/1/2019 – Istruzioni per l'applicazione dell'«Aggiornamento delle "Norme tecniche per le costruzioni"» di cui al decreto ministeriale 17 gennaio 2018.

- Documento Tecnico CNR-DT 200 R1/2012 – Istruzioni per la Progettazione, l'Esecuzione ed il Controllo di Interventi di Consolidamento Statico mediante l'utilizzo di Compositi Fibrorinforzati.

- Eurocodice 3 – Progettazione delle strutture in acciaio.

Unità di misura

Le unità di misura adottate sono le seguenti:
- lunghezze : m
- forze : daN
- masse : kg
- temperature : gradi centigradi
- angoli : gradi sessadecimali o radianti

Geometria

Elenco vincoli nodi

Simbologia
Comm. = Commento
Kt = Coeff. di sottofondo su suolo elastico alla Winkler
Ly = Lunghezza (dir. Y locale)
Lz = Larghezza (dir. Z locale)
RL = Rotazione libera
Rx = Rotazione intorno all'asse X (L=libera, B=bloccata, E=elastica)
Ry = Rotazione intorno all'asse Y (L=libera, B=bloccata, E=elastica)
Rz = Rotazione intorno all'asse Z (L=libera, B=bloccata, E=elastica)
Sx = Spostamento in dir. X (L=libero, B=bloccato, E=elastico)
Sy = Spostamento in dir. Y (L=libero, B=bloccato, E=elastico)
Sz = Spostamento in dir. Z (L=libero, B=bloccato, E=elastico)
TV = Tipo vincolo se valutato da stratigrafia
SP = Plinto senza pali
CP = Palo o plinto con pali
Vn = Numero del vincolo nodo

Vn	Comm.	TV	Sx	Sy	Sz	Rx	Ry	Rz	RL	Ly <m>	Lz <m>	Kt <daN/cmc>
1	Libero		L	L	L	L	L	L				
4	palo	CP	E	E	E	E	E	B				f(strat.)
4	palo	SP	B	B	E	B	B	B				f(strat.)

Elenco costanti elastiche nodali

Simbologia
KRx = Costante elastica intorno all'asse X
KRy = Costante elastica intorno all'asse Y
KRz = Costante elastica intorno all'asse Z
Kx = Costante elastica in dir. X
Ky = Costante elastica in dir. Y
Kz = Costante elastica in dir. Z
Nodo = Numero del nodo

Nodo	Kx <daN/cm>	Ky <daN/cm>	Kz <daN/cm>	KRx <daNm/rad>	KRy <daNm/rad>	KRz <daNm/rad>
-179	92937.70	92937.70	336476.00	88077000.00	88077000.00	--
-178	92937.70	92937.70	336476.00	88077000.00	88077000.00	--
-175	92937.70	92937.70	336476.00	88077000.00	88077000.00	--
-174	92937.70	92937.70	336476.00	88077000.00	88077000.00	--
-167	92937.70	92937.70	336476.00	88077000.00	88077000.00	--
-166	92937.70	92937.70	336476.00	88077000.00	88077000.00	--
-165	92937.70	92937.70	336476.00	88077000.00	88077000.00	--
-164	92937.70	92937.70	336476.00	88077000.00	88077000.00	--
-155	92937.70	92937.70	336476.00	88077000.00	88077000.00	--
-154	92937.70	92937.70	336476.00	88077000.00	88077000.00	--
-151	92937.70	92937.70	336476.00	88077000.00	88077000.00	--
-150	92937.70	92937.70	336476.00	88077000.00	88077000.00	--
-139	92937.70	92937.70	336476.00	88077000.00	88077000.00	--
-138	92937.70	92937.70	336476.00	88077000.00	88077000.00	--
-110	92937.70	92937.70	336476.00	88077000.00	88077000.00	--
-109	92937.70	92937.70	336476.00	88077000.00	88077000.00	--
-84	92937.70	92937.70	336476.00	88077000.00	88077000.00	--
-81	92937.70	92937.70	336476.00	88077000.00	88077000.00	--
-45	92937.70	92937.70	336476.00	88077000.00	88077000.00	--
-44	92937.70	92937.70	336476.00	88077000.00	88077000.00	--
-41	92937.70	92937.70	336476.00	88077000.00	88077000.00	--
-40	92937.70	92937.70	336476.00	88077000.00	88077000.00	--
-29	92937.70	92937.70	336476.00	88077000.00	88077000.00	--

-28	92937.70	92937.70	336476.00	88077000.00	88077000.00	--
-23	92937.70	92937.70	336476.00	88077000.00	88077000.00	--
-22	92937.70	92937.70	336476.00	88077000.00	88077000.00	--
-17	92937.70	92937.70	336476.00	88077000.00	88077000.00	--
-16	92937.70	92937.70	336476.00	88077000.00	88077000.00	--
-15	92937.70	92937.70	336476.00	88077000.00	88077000.00	--
-8	92937.70	92937.70	336476.00	88077000.00	88077000.00	--
-7	92937.70	92937.70	336476.00	88077000.00	88077000.00	--
-4	92937.70	92937.70	336476.00	88077000.00	88077000.00	--
-3	92937.70	92937.70	336476.00	88077000.00	88077000.00	--

Elenco nodi

Simbologia
Imp. = Numero dell'impalcato
Nodo = Numero del nodo
Vn = Numero del vincolo nodo
X = Coordinata X del nodo
Y = Coordinata Y del nodo
Z = Coordinata Z del nodo

Nodo	X <m>	Y <m>	Z <m>	Imp.	Vn
-181	13.21	23.38	0.00	0	1
-180	9.79	23.38	0.00	0	1
-179	13.09	22.58	0.00	0	4
-178	9.91	22.58	0.00	0	4
-177	16.48	22.40	0.00	0	1
-176	6.51	22.40	0.00	0	1
-175	16.15	21.68	0.00	0	4
-174	6.85	21.68	0.00	0	4
-173	12.85	20.90	0.00	0	1
-172	10.15	20.90	0.00	0	1
-171	19.36	20.57	0.00	0	1
-170	3.64	20.57	0.00	0	1
-169	15.44	20.14	0.00	0	1
-168	7.56	20.14	0.00	0	1
-167	18.84	19.96	0.00	0	4
-166	4.16	19.96	0.00	0	4
-165	13.88	19.60	0.00	0	4
-164	9.12	19.60	0.00	0	4
-163	12.61	19.16	0.00	0	1
-162	10.39	19.16	0.00	0	1
-161	17.72	18.67	0.00	0	1
-160	5.28	18.67	0.00	0	1
-159	14.72	18.54	0.00	0	1
-158	8.28	18.54	0.00	0	1
-157	21.56	17.99	0.00	0	1
-156	1.40	17.99	0.00	0	1
-155	20.92	17.55	0.00	0	4
-154	2.08	17.55	0.00	0	4
-153	16.57	17.35	0.00	0	1
-152	6.43	17.35	0.00	0	1
-151	17.88	17.03	0.00	0	4
-150	5.12	17.03	0.00	0	4
-149	19.49	16.62	0.00	0	1
-148	3.51	16.62	0.00	0	1
-147	18.01	15.69	0.00	0	1
-146	4.99	15.69	0.00	0	1
-145	12.06	15.43	0.00	0	1
-144	10.94	15.43	0.00	0	1
-143	13.15	15.11	0.00	0	1
-142	9.85	15.11	0.00	0	1
-141	23.01	14.87	0.00	0	1
-140	-0.01	14.87	0.00	0	1
-139	22.25	14.65	0.00	0	4
-138	0.75	14.65	0.00	0	4
-137	14.11	14.50	0.00	0	1
-136	8.89	14.50	0.00	0	1
-135	11.91	14.37	0.00	0	1
-134	11.09	14.37	0.00	0	1
-133	20.67	14.17	0.00	0	1
-132	2.39	14.17	0.00	0	1
-131	12.70	14.14	0.00	0	1
-130	10.29	14.14	0.00	0	1
-129	18.93	13.69	0.00	0	1
-128	13.40	13.69	0.00	0	1

-127	9.60	13.69	0.00	0	1
-126	4.07	13.69	0.00	0	1
-125	14.86	13.64	0.00	0	1
-124	8.14	13.64	0.00	0	1
-123	11.26	13.56	-0.00	0	1
-122	11.64	13.54	-0.00	0	1
-121	10.83	13.44	0.00	0	1
-120	12.12	13.38	0.00	0	1
-119	12.49	13.21	0.00	0	1
-118	11.60	13.18	0.00	0	1
-117	11.90	13.12	0.00	0	1
-116	10.31	13.09	0.00	0	1
-115	13.94	13.07	0.00	0	1
-114	9.06	13.07	0.00	0	1
-113	10.89	13.00	0.00	0	1
-112	11.25	12.89	-0.00	0	1
-111	11.98	12.78	-0.00	0	1
-110	19.85	12.70	0.00	0	4
-109	3.15	12.70	0.00	0	4
-108	9.89	12.67	0.00	0	1
-107	10.58	12.66	0.00	0	1
-106	12.68	12.61	0.00	0	1
-105	15.35	12.61	0.00	0	1
-104	7.65	12.61	0.00	0	1
-103	13.26	12.39	0.00	0	1
-102	14.28	12.32	0.00	0	1
-101	8.72	12.32	0.00	0	1
-100	10.86	12.23	0.00	0	1
-99	11.47	12.17	-0.00	0	1
-98	9.56	12.04	0.00	0	1
-97	12.32	12.02	0.00	0	1
-96	13.45	11.86	0.00	0	1
-95	10.28	11.85	0.00	0	1
-94	9.53	11.61	0.00	0	1
-93	13.46	11.53	-0.00	0	1
-92	11.57	11.51	-0.00	0	1
-91	14.40	11.50	0.00	0	1
-90	8.60	11.50	0.00	0	1
-89	19.24	11.49	0.00	0	1
-88	15.49	11.49	0.00	0	1
-87	7.51	11.49	0.00	0	1
-86	3.76	11.49	0.00	0	1
-85	23.50	11.43	0.00	0	1
-84	22.70	11.43	0.00	0	4
-83	21.00	11.43	0.00	0	1
-82	2.00	11.43	0.00	0	1
-81	0.30	11.43	0.00	0	4
-80	-0.50	11.43	0.00	0	1
-79	12.45	11.22	0.00	0	1
-78	10.56	11.22	0.00	0	1
-77	13.39	11.03	0.00	0	1
-76	9.59	11.03	0.00	0	1
-75	14.28	10.68	0.00	0	1
-74	8.72	10.68	0.00	0	1
-73	11.91	10.61	0.00	0	1
-72	11.10	10.60	0.00	0	1
-71	13.22	10.56	0.00	0	1
-70	15.35	10.37	0.00	0	1
-69	7.65	10.37	0.00	0	1
-68	9.92	10.34	0.00	0	1
-67	10.27	9.96	0.00	0	1
-66	13.94	9.93	0.00	0	1
-65	9.06	9.93	0.00	0	1
-64	12.59	9.89	0.00	0	1
-63	10.64	9.68	0.00	0	1
-62	12.20	9.64	0.00	0	1
-61	11.67	9.53	0.00	0	1
-60	11.33	9.52	0.00	0	1
-59	14.86	9.34	0.00	0	1
-58	8.14	9.34	0.00	0	1
-57	18.93	9.31	0.00	0	1
-56	13.40	9.31	0.00	0	1
-55	9.60	9.31	0.00	0	1
-54	4.07	9.31	0.00	0	1
-53	12.70	8.86	0.00	0	1
-52	10.29	8.86	0.00	0	1

-51	20.67	8.83	0.00	0	1
-50	2.39	8.83	0.00	0	1
-49	11.91	8.63	0.00	0	1
-48	11.09	8.63	0.00	0	1
-47	14.11	8.48	0.00	0	1
-46	8.89	8.48	0.00	0	1
-45	22.25	8.35	0.00	0	4
-44	0.75	8.35	0.00	0	4
-43	23.01	8.12	0.00	0	1
-42	-0.01	8.12	0.00	0	1
-41	19.18	7.99	0.00	0	4
-40	3.82	7.99	0.00	0	4
-39	13.15	7.87	0.00	0	1
-38	9.85	7.87	0.00	0	1
-37	12.06	7.55	0.00	0	1
-36	10.94	7.55	0.00	0	1
-35	18.01	7.31	0.00	0	1
-34	4.99	7.31	0.00	0	1
-33	19.49	6.37	0.00	0	1
-32	3.51	6.37	0.00	0	1
-31	16.57	5.65	0.00	0	1
-30	6.43	5.65	0.00	0	1
-29	2.08	5.45	0.00	0	4
-28	20.92	5.43	0.00	0	4
-27	21.56	5.01	0.00	0	1
-26	1.40	5.01	0.00	0	1
-25	14.72	4.46	0.00	0	1
-24	8.28	4.46	0.00	0	1
-23	16.06	4.40	0.00	0	4
-22	6.94	4.40	0.00	0	4
-21	17.72	4.32	0.00	0	1
-20	5.28	4.32	0.00	0	1
-19	12.61	3.84	0.00	0	1
-18	10.39	3.84	0.00	0	1
-17	11.50	3.06	0.00	0	4
-16	18.84	3.04	0.00	0	4
-15	4.16	3.04	0.00	0	4
-14	15.44	2.86	0.00	0	1
-13	7.56	2.86	0.00	0	1
-12	19.36	2.43	0.00	0	1
-11	3.64	2.43	0.00	0	1
-10	12.85	2.10	0.00	0	1
-9	10.15	2.10	0.00	0	1
-8	16.15	1.32	0.00	0	4
-7	6.85	1.32	0.00	0	4
-6	16.48	0.58	0.00	0	1
-5	6.51	0.58	0.00	0	1
-4	13.09	0.42	0.00	0	4
-3	9.91	0.42	0.00	0	4
-2	13.21	-0.38	0.00	0	1
-1	9.79	-0.38	0.00	0	1

Elenco materiali

Simbologia
α = Coeff. di dilatazione termica
ν = Coeff. di Poisson
Comm. = Commento
E = Modulo elastico
G = Modulo elastico tangenziale
Mat. = Numero del materiale
P = Peso specifico

Mat.	Comm.	P <daN/mc>	E <daN/cmq>	G <daN/cmq>	ν	α
10	Calcestruzzo classe C40/50	2500	355471.00	161578.00	0.1	1.00E-05
12	Calcestruzzo classe C50/60	2500	372393.00	169269.00	0.1	1.00E-05

Elenco sezioni aste

Simbologia
B = Base
C = Numero del criterio di progetto
Comm. = Commento
Crit. C.F. = Criterio di progetto collegamento finale
Crit. C.I. = Criterio di progetto collegamento iniziale
H = Altezza
Ma = Numero del materiale

Mem. = Membratura
G = Generica
Sez. = Numero della sezione
Tipo = Tipologia
R = Rettangolare
Ver. = Verifica prevista
C = Cemento armato

Sez.	Comm.	Tipo	Mem.	Ver.	B <cm>	H <cm>	Ma	C	Crit. C.I.	Crit. C.F.
1	Sezione 1 214x150	R	G	C	214.00	150.00	10	3		
2	Sezione 2 114x260	R	G	C	114.00	260.00	10	3		
3	Sezione 3 83x350	R	G	C	83.00	350.00	10	3		
4	Sezione 4 a ml. 100x410	R	G	C	100.00	410.00	12	4		
5	SEZIONE 5 100X150	R	G	C	100.00	150.00	10	3		
6	SEZIONE 6 100X260	R	G	C	100.00	260.00	10	3		
7	SEZIONE 7 100X350	R	G	C	100.00	350.00	10	3		
8	SEZIONE 8 100X410	R	G	C	100.00	410.00	12	3		

Elenco tipi elementi bidimensionali

Simbologia
Ang. att. = Angolo di attrito
Ang. dil. = Angolo di dilatanza
Coes. = Coesione
Comm. = Commento
Crit. = Numero del criterio di progetto
DP = Drucker-Prager
Kt = Coeff. di sottofondo su suolo elastico alla Winkler
Mat. = Numero del materiale
Spess. = Spessore
Tb = Numero del tipo muro/elemento bidimensionale
Tipo = Tipologia
F = Membranale e Flessionale
M = Membranale
W-RC = Winkler resistente solo a compressione
W-RTC = Winkler resistente a trazione e a compressione
Uso = Utilizzo
S = Soletta/Platea

Tb	Comm.	Tipo	Uso	Spess. <cm>	Kt <daN/cmc>	DP	Ang. att. <grad>	Coes. <daN/mq>	Ang. dil. <grad>	Crit.	Mat.
1	Platea h=1.50 mt	F	S	150.00		N	0.00	0.00	0.00	3	10
2	Platea H=2.6 mt	F	S	260.00		N	0.00	0.00	0.00	3	10
3	Platea H=3 .50 mt	F	S	350.00		N	0.00	0.00	0.00	3	10
5	SEZIONE COLLARE H= 4.10 ML	F	S	410.00		N	0.00	0.00	0.00	3	10

Elenco elementi bidimensionali

Simbologia
Bid. = Numero del muro/elemento bidimensionale
Dy1 = Scost. filo fisso Y1
Dy2 = Scost. filo fisso Y2
FF = Filo fisso
Kt = Coeff. di sottofondo su suolo elastico alla Winkler
NN = Nodi
Tb = Numero del tipo muro/elemento bidimensionale

Bid.	Tb	FF	Dy1 <cm>	Dy2 <cm>	Kt <daN/cmc>	NN
2	2	33	0.00	0.00		-152 -146 -124 -136
2	2	33	0.00	0.00		-158 -152 -136 -142
2	2	33	0.00	0.00		-54 -34 -58 -69
2	2	33	0.00	0.00		-86 -54 -69 -87
2	2	33	0.00	0.00		-162 -158 -142 -144
2	2	33	0.00	0.00		-163 -162 -144 -145
2	2	33	0.00	0.00		-159 -163 -145 -143
2	2	33	0.00	0.00		-153 -159 -143 -137
2	2	33	0.00	0.00		-147 -153 -137 -125
2	2	33	0.00	0.00		-129 -147 -125 -105
2	2	33	0.00	0.00		-89 -129 -105 -88
2	2	33	0.00	0.00		-57 -89 -88 -70
2	2	33	0.00	0.00		-35 -57 -70 -59
2	2	33	0.00	0.00		-31 -35 -59 -47
2	2	33	0.00	0.00		-25 -31 -47 -39
2	2	33	0.00	0.00		-19 -25 -39 -37
2	2	33	0.00	0.00		-18 -19 -37 -36
2	2	33	0.00	0.00		-24 -18 -36 -38
2	1	33	0.00	0.00		-13 -9 -18 -24
2	1	33	0.00	0.00		-175 -179 -173 -169
2	1	33	0.00	0.00		-172 -164 -162
2	1	33	0.00	0.00		-181 -180 -178 -179

2	1	33	0.00	0.00		-32 -20 -30 -34
2	1	33	0.00	0.00		-167 -175 -169 -161
2	1	33	0.00	0.00		-164 -158 -162
2	1	33	0.00	0.00		-155 -167 -161 -149
2	1	33	0.00	0.00		-82 -50 -54 -86
2	1	33	0.00	0.00		-80 -42 -44 -81
2	1	33	0.00	0.00		-164 -168 -158
2	1	33	0.00	0.00		-140 -80 -81 -138
2	2	33	0.00	0.00		-126 -86 -87 -104
2	2	33	0.00	0.00		-146 -126 -104 -124
2	1	33	0.00	0.00		-148 -132 -126 -146
2	1	33	0.00	0.00		-156 -140 -138 -154
2	1	33	0.00	0.00		-173 -165 -169
2	1	33	0.00	0.00		-170 -156 -154 -166
2	1	33	0.00	0.00		-168 -160 -152 -158
2	1	33	0.00	0.00		-176 -170 -166 -174
2	1	33	0.00	0.00		-161 -153 -151
2	1	33	0.00	0.00		-177 -181 -179 -175
2	1	33	0.00	0.00		-173 -172 -162 -163
2	1	33	0.00	0.00		-171 -177 -175 -167
2	1	33	0.00	0.00		-151 -147 -149
2	1	33	0.00	0.00		-157 -171 -167 -155
2	1	33	0.00	0.00		-161 -169 -159 -153
2	1	33	0.00	0.00		-180 -176 -174 -178
2	1	33	0.00	0.00		-153 -147 -151
2	1	33	0.00	0.00		-141 -157 -155 -139
2	1	33	0.00	0.00		-133 -149 -147 -129
2	1	33	0.00	0.00		-139 -155 -149 -133
2	1	33	0.00	0.00		-165 -159 -169
2	1	33	0.00	0.00		-85 -141 -139 -84
2	1	33	0.00	0.00		-51 -83 -89 -57
2	1	33	0.00	0.00		-43 -85 -84 -45
2	1	33	0.00	0.00		-165 -163 -159
2	1	33	0.00	0.00		-84 -139 -133 -83
2	1	33	0.00	0.00		-21 -33 -35 -31
2	1	33	0.00	0.00		-27 -43 -45 -28
2	1	33	0.00	0.00		-173 -163 -165
2	1	33	0.00	0.00		-45 -84 -83 -51
2	1	33	0.00	0.00		-10 -14 -25 -19
2	1	33	0.00	0.00		-28 -45 -51 -33
2	1	33	0.00	0.00		-172 -168 -164
2	1	33	0.00	0.00		-12 -27 -28 -16
2	2	33	0.00	0.00		-34 -30 -46 -58
2	2	33	0.00	0.00		-30 -24 -38 -46
2	3	33	0.00	0.00		-46 -38 -52 -55
2	3	33	0.00	0.00		-58 -46 -55 -65
2	3	33	0.00	0.00		-69 -58 -65 -74
2	3	33	0.00	0.00		-87 -69 -74 -90
2	3	33	0.00	0.00		-104 -87 -90 -101
2	3	33	0.00	0.00		-124 -104 -101 -114
2	3	33	0.00	0.00		-136 -124 -114 -127
2	3	33	0.00	0.00		-142 -136 -127 -130
2	3	33	0.00	0.00		-144 -142 -130 -134
2	3	33	0.00	0.00		-145 -144 -134 -135
2	3	33	0.00	0.00		-143 -145 -135 -131
2	3	33	0.00	0.00		-137 -143 -131 -128
2	3	33	0.00	0.00		-125 -137 -128 -115
2	3	33	0.00	0.00		-105 -125 -115 -102
2	3	33	0.00	0.00		-88 -105 -102 -91
2	3	33	0.00	0.00		-70 -88 -91 -75
2	3	33	0.00	0.00		-59 -70 -75 -66
2	3	33	0.00	0.00		-47 -59 -66 -56
2	3	33	0.00	0.00		-39 -47 -56 -53
2	3	33	0.00	0.00		-37 -39 -53 -49
2	3	33	0.00	0.00		-36 -37 -49 -48
2	3	33	0.00	0.00		-38 -36 -48 -52
2	5	33	0.00	0.00		-65 -55 -67 -68
2	5	33	0.00	0.00		-76 -68 -78
2	5	33	0.00	0.00		-120 -122 -118 -117
2	5	33	0.00	0.00		-68 -67 -72 -78
2	5	33	0.00	0.00		-67 -63 -72
2	5	33	0.00	0.00		-119 -120 -117 -111
2	5	33	0.00	0.00		-63 -60 -72
2	5	33	0.00	0.00		-48 -49 -61 -60
2	5	33	0.00	0.00		-60 -61 -73 -72
2	5	33	0.00	0.00		-61 -62 -73

2	5	33	0.00	0.00		-113 -107 -100 -112
2	5	33	0.00	0.00		-121 -116 -107 -113
2	5	33	0.00	0.00		-73 -79 -97 -92
2	5	33	0.00	0.00		-123 -121 -113 -112
2	5	33	0.00	0.00		-94 -76 -78 -95
2	5	33	0.00	0.00		-103 -106 -97
2	5	33	0.00	0.00		-128 -131 -120 -119
2	5	33	0.00	0.00		-131 -135 -122 -120
2	5	33	0.00	0.00		-97 -111 -99 -92
2	5	33	0.00	0.00		-100 -78 -92 -99
2	5	33	0.00	0.00		-111 -112 -100 -99
2	5	33	0.00	0.00		-100 -95 -78
2	5	33	0.00	0.00		-106 -119 -111
2	5	33	0.00	0.00		-77 -93 -79
2	5	33	0.00	0.00		-91 -102 -96 -93
2	5	33	0.00	0.00		-93 -96 -97 -79
2	5	33	0.00	0.00		-96 -103 -97
2	5	33	0.00	0.00		-62 -64 -73
2	5	33	0.00	0.00		-56 -66 -71 -64
2	5	33	0.00	0.00		-64 -71 -79 -73
2	5	33	0.00	0.00		-71 -77 -79
2	5	33	0.00	0.00		-90 -74 -76 -94
2	5	33	0.00	0.00		-135 -134 -123 -122
2	5	33	0.00	0.00		-114 -101 -98 -108
2	5	33	0.00	0.00		-101 -90 -94 -98
2	5	33	0.00	0.00		-116 -108 -107
2	5	33	0.00	0.00		-127 -114 -108 -116
2	5	33	0.00	0.00		-108 -98 -94 -95
2	5	33	0.00	0.00		-130 -127 -116 -121
2	5	33	0.00	0.00		-74 -65 -68 -76
2	1	33	0.00	0.00		-16 -28 -33 -21
2	1	33	0.00	0.00		-8 -16 -21 -14
2	1	33	0.00	0.00		-4 -8 -14 -10
2	1	33	0.00	0.00		-3 -4 -10 -9
2	1	33	0.00	0.00		-7 -3 -9 -13
2	1	33	0.00	0.00		-15 -7 -13 -20
2	1	33	0.00	0.00		-179 -178 -172 -173
2	1	33	0.00	0.00		-29 -15 -20 -32
2	1	33	0.00	0.00		-44 -29 -32 -50
2	1	33	0.00	0.00		-6 -12 -16 -8
2	1	33	0.00	0.00		-81 -44 -50 -82
2	1	33	0.00	0.00		-138 -81 -82 -132
2	1	33	0.00	0.00		-2 -6 -8 -4
2	1	33	0.00	0.00		-154 -138 -132 -148
2	1	33	0.00	0.00		-1 -2 -4 -3
2	1	33	0.00	0.00		-166 -154 -148 -160
2	1	33	0.00	0.00		-5 -1 -3 -7
2	1	33	0.00	0.00		-11 -5 -7 -15
2	1	33	0.00	0.00		-174 -166 -160 -168
2	1	33	0.00	0.00		-26 -11 -15 -29
2	1	33	0.00	0.00		-42 -26 -29 -44
2	1	33	0.00	0.00		-178 -174 -168 -172
2	1	33	0.00	0.00		-161 -151 -149
2	1	33	0.00	0.00		-129 -89 -110
2	1	33	0.00	0.00		-133 -129 -110
2	1	33	0.00	0.00		-110 -89 -83
2	1	33	0.00	0.00		-133 -110 -83
2	1	33	0.00	0.00		-57 -35 -41
2	1	33	0.00	0.00		-57 -41 -51
2	1	33	0.00	0.00		-41 -35 -33
2	1	33	0.00	0.00		-41 -33 -51
2	1	33	0.00	0.00		-31 -25 -23
2	1	33	0.00	0.00		-23 -25 -14
2	1	33	0.00	0.00		-23 -14 -21
2	1	33	0.00	0.00		-31 -23 -21
2	1	33	0.00	0.00		-18 -17 -19
2	1	33	0.00	0.00		-18 -9 -17
2	1	33	0.00	0.00		-17 -9 -10
2	1	33	0.00	0.00		-19 -17 -10
2	1	33	0.00	0.00		-30 -20 -22
2	1	33	0.00	0.00		-22 -20 -13
2	1	33	0.00	0.00		-22 -13 -24
2	1	33	0.00	0.00		-30 -22 -24
2	1	33	0.00	0.00		-54 -50 -40
2	1	33	0.00	0.00		-50 -32 -40
2	1	33	0.00	0.00		-40 -32 -34

2	1	33	0.00	0.00		-54 -40 -34
2	1	33	0.00	0.00		-132 -109 -126
2	1	33	0.00	0.00		-132 -82 -109
2	1	33	0.00	0.00		-109 -82 -86
2	1	33	0.00	0.00		-126 -109 -86
2	1	33	0.00	0.00		-160 -150 -152
2	1	33	0.00	0.00		-160 -148 -150
2	1	33	0.00	0.00		-150 -148 -146
2	1	33	0.00	0.00		-150 -146 -152
2	5	33	0.00	0.00		-115 -128 -103
2	5	33	0.00	0.00		-103 -119 -106
2	5	33	0.00	0.00		-96 -102 -115 -103
2	5	33	0.00	0.00		-77 -75 -91 -93
2	5	33	0.00	0.00		-71 -66 -75 -77
2	5	33	0.00	0.00		-62 -53 -56 -64
2	5	33	0.00	0.00		-61 -49 -53 -62
2	5	33	0.00	0.00		-63 -52 -48 -60
2	5	33	0.00	0.00		-55 -52 -63 -67
2	5	33	0.00	0.00		-119 -103 -128
2	5	33	0.00	0.00		-97 -106 -111
2	5	33	0.00	0.00		-108 -95 -100 -107
2	5	33	0.00	0.00		-122 -123 -112 -118
2	5	33	0.00	0.00		-134 -130 -121 -123
2	5	33	0.00	0.00		-117 -118 -112 -111
2	5	33	0.00	0.00		-78 -72 -73 -92

Elenco tipi plinti/pali

Simbologia
Comm. = Commento
Crit. = Numero del criterio di progetto
Dp = Diametro pali
Lp = Lunghezza pali
R = Rotazione testa
B = Bloccata
L = Libera
Tipo = Tipologia
P = Palo
Tl = Numero del tipo plinto/palo
Tp = Tipo palo
T = Trivellato

Tl	Tipo	Tp	Comm.	Lp <m>	R	Dp <m>	Crit.
1	P	T	Palo singolo	25.00	L	1.20	3

Elenco plinti/pali

Simbologia
Kt = Coeff. di sottofondo su suolo elastico alla Winkler
Nodo = Nodo plinto/palo
PL = Plinto/Palo
Tl = Numero del tipo plinto/palo

PL	Tl	Nodo	Kt <daN/cmc>
1	1	-40	---
2	1	-109	---
3	1	-150	---
4	1	-164	---
5	1	-165	---
6	1	-151	---
7	1	-110	---
8	1	-41	---
9	1	-23	---
10	1	-17	---
11	1	-22	---
12	1	-4	---
13	1	-3	---
14	1	-7	---
15	1	-15	---
16	1	-29	---
17	1	-44	---
18	1	-81	---
19	1	-138	---
20	1	-154	---
21	1	-166	---
22	1	-174	---
23	1	-178	---

24	1	-179	---
25	1	-175	---
26	1	-167	---
27	1	-155	---
28	1	-139	---
29	1	-84	---
30	1	-45	---
31	1	-28	---
32	1	-16	---
33	1	-8	---

Carichi

Elenco tipi CCE

Simbologia
γ max = Coeff. γ max
γ min. = Coeff. γ min.
ψ_0 = Coeff. ψ_0
$\psi_{0,s}$ = Coeff. ψ_0 sismico (D.M. 96)
ψ_1 = Coeff. ψ_1
ψ_2 = Coeff. ψ_2
Comm. = Commento
Durata = Durata del carico
P = Permanente
Tipo = Tipologia
G = Permanente
Qv = Variabile vento
Tipo CCE = Tipo condizione di carico elementare

Tipo CCE	Comm.	Tipo	Durata	γ min.	γ max	ψ_0	ψ_1	ψ_2	$\psi_{0,s}$
1	D.M. 18 Permanenti strutturali	G	P	1.00	1.35				

Condizioni di carico elementari

Simbologia
CCE = Numero della condizione di carico elementare
Comm. = Commento
Dir. = Direzione del vento
Jpx = Moltiplicatore del momento d'inerzia intorno all'asse X
Jpy = Moltiplicatore del momento d'inerzia intorno all'asse Y
Jpz = Moltiplicatore del momento d'inerzia intorno all'asse Z
Mx = Moltiplicatore della massa in dir. X
My = Moltiplicatore della massa in dir. Y
Mz = Moltiplicatore della massa in dir. Z
Sic. = Contributo alla sicurezza
S = a sfavore
Tipo = Tipologia di pressione vento
M = Massimizzata
E = Esterna
I = Interna
Tipo CCE = Tipo di CCE per calcolo agli stati limite
Var. = Tipo di variabilità
B = di base
s = Coeff. di riduzione (T.A. o S.L. D.M. 96)

CCE	Comm.	Tipo CCE	Sic.	Var.	s	Dir. <grad>	Tipo	Mx	My	Mz	Jpx	Jpy	Jpz
1		1	S	--	1.00	--	--	1.00	1.00	0.00	0.00	0.00	1.00

Elenco carichi nodiCondizione di carico n. 1:
Carichi concentrati

Simbologia
Fx = Componente X della forza applicata
Fy = Componente Y della forza applicata
Fz = Componente Z della forza applicata
Mx = Momento intorno all'asse X
My = Momento intorno all'asse Y
Mz = Momento intorno all'asse Z
Nodo = Numero del nodo

Nodo	Fx <daN>	Fy <daN>	Fz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
-92	164800.00	0.00	722200.00	20303400.00	0.00	1806100.00

Elenco carichi elementi bidimensionaliCondizione di carico n. 1:
Carichi uniformi

Simbologia
Bid. = Numero del muro/elemento bidimensionale

DC = Direzione del carico
G = secondo gli assi globali
L = secondo gli assi locali
N1 = Nodo1
N2 = Nodo2
N3 = Nodo3
N4 = Nodo4
Qx = Carico in dir. X
Qy = Carico in dir. Y
Qz = Carico in dir. Z
T = Tipo di carico
PP = Peso proprio
M = Manuale

Bid.	N1	N2	N3	N4	T	DC	Qx <daN/mq>	Qy <daN/mq>	Qz <daN/mq>
2	-152	-146	-124	-136	M	G	0.00	0.00	3814.00
2	-158	-152	-136	-142	M	G	0.00	0.00	3814.00
2	-54	-34	-58	-69	M	G	0.00	0.00	3814.00
2	-86	-54	-69	-87	M	G	0.00	0.00	3814.00
2	-162	-158	-142	-144	M	G	0.00	0.00	3814.00
2	-163	-162	-144	-145	M	G	0.00	0.00	3814.00
2	-159	-163	-145	-143	M	G	0.00	0.00	3814.00
2	-153	-159	-143	-137	M	G	0.00	0.00	3814.00
2	-147	-153	-137	-125	M	G	0.00	0.00	3814.00
2	-129	-147	-125	-105	M	G	0.00	0.00	3814.00
2	-89	-129	-105	-88	M	G	0.00	0.00	3814.00
2	-57	-89	-88	-70	M	G	0.00	0.00	3814.00
2	-35	-57	-70	-59	M	G	0.00	0.00	3814.00
2	-31	-35	-59	-47	M	G	0.00	0.00	3814.00
2	-25	-31	-47	-39	M	G	0.00	0.00	3814.00
2	-19	-25	-39	-37	M	G	0.00	0.00	3814.00
2	-18	-19	-37	-36	M	G	0.00	0.00	3814.00
2	-24	-18	-36	-38	M	G	0.00	0.00	3814.00
2	-13	-9	-18	-24	M	G	0.00	0.00	3814.00
2	-175	-179	-173	-169	M	G	0.00	0.00	3814.00
2	-172	-164	-162	-162	M	G	0.00	0.00	3814.00
2	-181	-180	-178	-179	M	G	0.00	0.00	3814.00
2	-32	-20	-30	-34	M	G	0.00	0.00	3814.00
2	-167	-175	-169	-161	M	G	0.00	0.00	3814.00
2	-164	-158	-162	-162	M	G	0.00	0.00	3814.00
2	-155	-167	-161	-149	M	G	0.00	0.00	3814.00
2	-82	-50	-54	-86	M	G	0.00	0.00	3814.00
2	-80	-42	-44	-81	M	G	0.00	0.00	3814.00
2	-164	-168	-158	-158	M	G	0.00	0.00	3814.00
2	-140	-80	-81	-138	M	G	0.00	0.00	3814.00
2	-126	-86	-87	-104	M	G	0.00	0.00	3814.00
2	-146	-126	-104	-124	M	G	0.00	0.00	3814.00
2	-148	-132	-126	-146	M	G	0.00	0.00	3814.00
2	-156	-140	-138	-154	M	G	0.00	0.00	3814.00
2	-173	-165	-169	-169	M	G	0.00	0.00	3814.00
2	-170	-156	-154	-166	M	G	0.00	0.00	3814.00
2	-168	-160	-152	-158	M	G	0.00	0.00	3814.00
2	-176	-170	-166	-174	M	G	0.00	0.00	3814.00
2	-161	-153	-151	-151	M	G	0.00	0.00	3814.00
2	-177	-181	-179	-175	M	G	0.00	0.00	3814.00
2	-173	-172	-162	-163	M	G	0.00	0.00	3814.00
2	-171	-177	-175	-167	M	G	0.00	0.00	3814.00
2	-151	-147	-149	-149	M	G	0.00	0.00	3814.00
2	-157	-171	-167	-155	M	G	0.00	0.00	3814.00
2	-161	-169	-159	-153	M	G	0.00	0.00	3814.00
2	-180	-176	-174	-178	M	G	0.00	0.00	3814.00
2	-153	-147	-151	-151	M	G	0.00	0.00	3814.00
2	-141	-157	-155	-139	M	G	0.00	0.00	3814.00
2	-133	-149	-147	-129	M	G	0.00	0.00	3814.00
2	-139	-155	-149	-133	M	G	0.00	0.00	3814.00
2	-165	-159	-169	-169	M	G	0.00	0.00	3814.00
2	-85	-141	-139	-84	M	G	0.00	0.00	3814.00
2	-51	-83	-89	-57	M	G	0.00	0.00	3814.00
2	-43	-85	-84	-45	M	G	0.00	0.00	3814.00
2	-165	-163	-159	-159	M	G	0.00	0.00	3814.00
2	-84	-139	-133	-83	M	G	0.00	0.00	3814.00
2	-21	-33	-35	-31	M	G	0.00	0.00	3814.00
2	-27	-43	-45	-28	M	G	0.00	0.00	3814.00
2	-173	-163	-165	-165	M	G	0.00	0.00	3814.00
2	-45	-84	-83	-51	M	G	0.00	0.00	3814.00
2	-10	-14	-25	-19	M	G	0.00	0.00	3814.00
2	-28	-45	-51	-33	M	G	0.00	0.00	3814.00
2	-172	-168	-164	-164	M	G	0.00	0.00	3814.00

2	-12	-27	-28	-16	M	G	0.00	0.00	3814.00
2	-34	-30	-46	-58	M	G	0.00	0.00	3814.00
2	-30	-24	-38	-46	M	G	0.00	0.00	3814.00
2	-46	-38	-52	-55	M	G	0.00	0.00	3814.00
2	-58	-46	-55	-65	M	G	0.00	0.00	3814.00
2	-69	-58	-65	-74	M	G	0.00	0.00	3814.00
2	-87	-69	-74	-90	M	G	0.00	0.00	3814.00
2	-104	-87	-90	-101	M	G	0.00	0.00	3814.00
2	-124	-104	-101	-114	M	G	0.00	0.00	3814.00
2	-136	-124	-114	-127	M	G	0.00	0.00	3814.00
2	-142	-136	-127	-130	M	G	0.00	0.00	3814.00
2	-144	-142	-130	-134	M	G	0.00	0.00	3814.00
2	-145	-144	-134	-135	M	G	0.00	0.00	3814.00
2	-143	-145	-135	-131	M	G	0.00	0.00	3814.00
2	-137	-143	-131	-128	M	G	0.00	0.00	3814.00
2	-125	-137	-128	-115	M	G	0.00	0.00	3814.00
2	-105	-125	-115	-102	M	G	0.00	0.00	3814.00
2	-88	-105	-102	-91	M	G	0.00	0.00	3814.00
2	-70	-88	-91	-75	M	G	0.00	0.00	3814.00
2	-59	-70	-75	-66	M	G	0.00	0.00	3814.00
2	-47	-59	-66	-56	M	G	0.00	0.00	3814.00
2	-39	-47	-56	-53	M	G	0.00	0.00	3814.00
2	-37	-39	-53	-49	M	G	0.00	0.00	3814.00
2	-36	-37	-49	-48	M	G	0.00	0.00	3814.00
2	-38	-36	-48	-52	M	G	0.00	0.00	3814.00
2	-65	-55	-67	-68	M	G	0.00	0.00	3814.00
2	-48	-49	-61	-60	M	G	0.00	0.00	3814.00
2	-128	-131	-120	-119	M	G	0.00	0.00	3814.00
2	-131	-135	-122	-120	M	G	0.00	0.00	3814.00
2	-91	-102	-96	-93	M	G	0.00	0.00	3814.00
2	-56	-66	-71	-64	M	G	0.00	0.00	3814.00
2	-90	-74	-76	-94	M	G	0.00	0.00	3814.00
2	-135	-134	-123	-122	M	G	0.00	0.00	3814.00
2	-114	-101	-98	-108	M	G	0.00	0.00	3814.00
2	-101	-90	-94	-98	M	G	0.00	0.00	3814.00
2	-127	-114	-108	-116	M	G	0.00	0.00	3814.00
2	-130	-127	-116	-121	M	G	0.00	0.00	3814.00
2	-74	-65	-68	-76	M	G	0.00	0.00	3814.00
2	-16	-28	-33	-21	M	G	0.00	0.00	3814.00
2	-8	-16	-21	-14	M	G	0.00	0.00	3814.00
2	-4	-8	-14	-10	M	G	0.00	0.00	3814.00
2	-3	-4	-10	-9	M	G	0.00	0.00	3814.00
2	-7	-3	-9	-13	M	G	0.00	0.00	3814.00
2	-15	-7	-13	-20	M	G	0.00	0.00	3814.00
2	-179	-178	-172	-173	M	G	0.00	0.00	3814.00
2	-29	-15	-20	-32	M	G	0.00	0.00	3814.00
2	-44	-29	-32	-50	M	G	0.00	0.00	3814.00
2	-6	-12	-16	-8	M	G	0.00	0.00	3814.00
2	-81	-44	-50	-82	M	G	0.00	0.00	3814.00
2	-138	-81	-82	-132	M	G	0.00	0.00	3814.00
2	-2	-6	-8	-4	M	G	0.00	0.00	3814.00
2	-154	-138	-132	-148	M	G	0.00	0.00	3814.00
2	-1	-2	-4	-3	M	G	0.00	0.00	3814.00
2	-166	-154	-148	-160	M	G	0.00	0.00	3814.00
2	-5	-1	-3	-7	M	G	0.00	0.00	3814.00
2	-11	-5	-7	-15	M	G	0.00	0.00	3814.00
2	-174	-166	-160	-168	M	G	0.00	0.00	3814.00
2	-26	-11	-15	-29	M	G	0.00	0.00	3814.00
2	-42	-26	-29	-44	M	G	0.00	0.00	3814.00
2	-178	-174	-168	-172	M	G	0.00	0.00	3814.00
2	-161	-151	-149	-149	M	G	0.00	0.00	3814.00
2	-129	-89	-110	-110	M	G	0.00	0.00	3814.00
2	-133	-129	-110	-110	M	G	0.00	0.00	3814.00
2	-110	-89	-83	-83	M	G	0.00	0.00	3814.00
2	-133	-110	-83	-83	M	G	0.00	0.00	3814.00
2	-57	-35	-41	-41	M	G	0.00	0.00	3814.00
2	-57	-41	-51	-51	M	G	0.00	0.00	3814.00
2	-41	-35	-33	-33	M	G	0.00	0.00	3814.00
2	-41	-33	-51	-51	M	G	0.00	0.00	3814.00
2	-31	-25	-23	-23	M	G	0.00	0.00	3814.00
2	-23	-25	-14	-14	M	G	0.00	0.00	3814.00
2	-23	-14	-21	-21	M	G	0.00	0.00	3814.00
2	-31	-23	-21	-21	M	G	0.00	0.00	3814.00
2	-18	-17	-19	-19	M	G	0.00	0.00	3814.00
2	-18	-9	-17	-17	M	G	0.00	0.00	3814.00
2	-17	-9	-10	-10	M	G	0.00	0.00	3814.00

2	-19	-17	-10	-10	M	G	0.00	0.00	3814.00
2	-30	-20	-22	-22	M	G	0.00	0.00	3814.00
2	-22	-20	-13	-13	M	G	0.00	0.00	3814.00
2	-22	-13	-24	-24	M	G	0.00	0.00	3814.00
2	-30	-22	-24	-24	M	G	0.00	0.00	3814.00
2	-54	-50	-40	-40	M	G	0.00	0.00	3814.00
2	-50	-32	-40	-40	M	G	0.00	0.00	3814.00
2	-40	-32	-34	-34	M	G	0.00	0.00	3814.00
2	-54	-40	-34	-34	M	G	0.00	0.00	3814.00
2	-132	-109	-126	-126	M	G	0.00	0.00	3814.00
2	-132	-82	-109	-109	M	G	0.00	0.00	3814.00
2	-109	-82	-86	-86	M	G	0.00	0.00	3814.00
2	-126	-109	-86	-86	M	G	0.00	0.00	3814.00
2	-160	-150	-152	-152	M	G	0.00	0.00	3814.00
2	-160	-148	-150	-150	M	G	0.00	0.00	3814.00
2	-150	-148	-146	-146	M	G	0.00	0.00	3814.00
2	-150	-146	-152	-152	M	G	0.00	0.00	3814.00
2	-115	-128	-103	-103	M	G	0.00	0.00	3814.00
2	-96	-102	-115	-103	M	G	0.00	0.00	3814.00
2	-77	-75	-91	-93	M	G	0.00	0.00	3814.00
2	-71	-66	-75	-77	M	G	0.00	0.00	3814.00
2	-62	-53	-56	-64	M	G	0.00	0.00	3814.00
2	-61	-49	-53	-62	M	G	0.00	0.00	3814.00
2	-63	-52	-48	-60	M	G	0.00	0.00	3814.00
2	-55	-52	-63	-67	M	G	0.00	0.00	3814.00
2	-119	-103	-128	-128	M	G	0.00	0.00	3814.00
2	-134	-130	-121	-123	M	G	0.00	0.00	3814.00

Elenco peso proprio elementi bidimensionali

Simbologia
Comm. = Commento
Mat. = Materiale
P = Peso specifico
PQ = Peso specifico per unità di superficie
Spess. = Spessore
Tb = Numero del tipo muro/elemento bidimensionale

Tb	Comm.	Spess. <cm>	Mat.	P <daN/mc>	PQ <daN/mq>
1	Platea h=1.50 mt	150.00	Calcestruzzo classe C40/50	2500.00	3750.00
2	Platea H=2.6 mt	260.00	Calcestruzzo classe C40/50	2500.00	6500.00
3	Platea H=3 .50 mt	350.00	Calcestruzzo classe C40/50	2500.00	8750.00
5	SEZIONE COLLARE H= 4.10 ML	410.00	Calcestruzzo classe C40/50	2500.00	10250.00

Risultati del calcolo

Parametri di calcolo

La modellazione della struttura e la rielaborazione dei risultati del calcolo sono stati effettuati con:
ModeSt ver. 8.26, licenza n. 7116, prodotto da Tecnisoft s.a.s. - Prato
La struttura è stata calcolata utilizzando come solutore agli elementi finiti:
Xfinest ver. 9.4.3, prodotto da Ce.A.S. S.r.l. - Milano

Tipo di normativa: stati limite D.M. 18
Tipo di calcolo: statico
Vincoli esterni: Considera sempre vincoli assegnati in modellazione
Schematizzazione piani rigidi: nessun impalcato rigido
Modalità di recupero masse secondarie: mantenere sul nodo masse e forze relative

Generazione combinazioni
- Lineari: Sì
- Valuta spostamenti e non sollecitazioni: No
- Buckling: No

Opzioni di calcolo
- Sono state considerate infinitamente rigide le zone di connessione fra travi, pilastri ed elementi bidimensionali con una riduzione del 20%
- Calcolo con offset rigidi dai nodi: No
- Uniformare i carichi variabili: No
- Massimizzare i carichi variabili: No
- Recupero carichi zone rigide: taglio e momento flettente

Opzioni del solutore
- Tipo di elemento bidimensionale: QF46
- Calcolo sforzo nei nodi: No
- Trascura deformabilità a taglio delle aste: No
- Analisi dinamica con metodo di Lanczos: Sì
- Check sequenza di Sturm: Sì
- Analisi non lineare con Newton modificato: No
- Usa formulazione secante per buckling: No

- Trascura buckling torsionale: No

Dati struttura
- Edificio esistente: No
- Tipo di opera: Grande opera
- Vita nominale V_N: 100.00
- Classe d'uso: Classe III
- Forze orizzontali convenzionali per stati limite non sismici: No
- Genera stati limite per verifiche di resistenza al fuoco: No

Ambienti di caricoSimbologia
N = Numero
Comm. = Commento
1 =
F = azioni orizzontali convenzionali
SLU = Stato limite ultimo
SLR = Stato limite per combinazioni rare
SLF = Stato limite per combinazioni frequenti
SLQ/D = Stato limite per combinazioni quasi permanenti o di danno
S = Sì
N = No

N	Comm.	1	SLU	SLR	SLF	SLQ
1	Calcolo statico	S	S	S	S	S

Elenco combinazioni di carico simboliche

Simbologia
CC = Numero della combinazione delle condizioni di carico elementari
Comm. = Commento
TCC = Tipo di combinazione di carico
SLU = Stato limite ultimo
SLE R = Stato limite d'esercizio, combinazione rara
SLE F = Stato limite d'esercizio, combinazione frequente
SLE Q = Stato limite d'esercizio, combinazione quasi permanente

CC	Comm.	TCC	1
1	Amb. 1 (SLU)	SLU	γ max
2	Amb. 1 (SLE R)	SLE R	1
3	Amb. 1 (SLE F)	SLE F	1
4	Amb. 1 (SLE Q)	SLE Q	1

Genera le combinazioni con un solo carico di tipo variabile come di base: No

Considera sollecitazioni dinamiche con segno dei modi principali: No

Combinazioni delle CCE

Simbologia
An. = Tipo di analisi
L = Lineare
NL = Non lineare
Bk = Buckling
S = Sì
N = No
CC = Numero della combinazione delle condizioni di carico elementari
Comm. = Commento
TCC = Tipo di combinazione di carico
SLU = Stato limite ultimo
SLE R = Stato limite d'esercizio, combinazione rara
SLE F = Stato limite d'esercizio, combinazione frequente
SLE Q = Stato limite d'esercizio, combinazione quasi permanente

CC	Comm.	TCC	An.	Bk	1
1	Amb. 1 (SLU)	SLU	L	N	1.35
2	Amb. 1 (SLE R)	SLE R	L	N	1.00
3	Amb. 1 (SLE F)	SLE F	L	N	1.00
4	Amb. 1 (SLE Q)	SLE Q	L	N	1.00

Spostamenti dei nodi

Simbologia
CC = Numero della combinazione delle condizioni di carico elementari
Nodo = Numero del nodo
Rx = Rotazione intorno all'asse X
Ry = Rotazione intorno all'asse Y
Rz = Rotazione intorno all'asse Z
Sx = Spostamento in dir. X
Sy = Spostamento in dir. Y
Sz = Spostamento in dir. Z
TCC = Tipo di combinazione di carico
SLU = Stato limite ultimo
SLE R = Stato limite d'esercizio, combinazione rara
SLE F = Stato limite d'esercizio, combinazione frequente
SLE Q = Stato limite d'esercizio, combinazione quasi permanente

I valori degli spostamenti nodali per CC di tipo sismico sono amplificati come da normativa

Nodo		Sx <cm>	CC	TCC	Sy <cm>	CC	TCC	Sz <cm>	CC	TCC	Rx <rad>	CC	TCC	Ry <rad>	CC	TCC	Rz <rad>	CC	TCC
-181	Max	-0.04	2	SLE R	-0.00	2	SLE R	-0.71	2	SLE R	0.00	1	SLU	0.00	2	SLE R	0.00	2	SLE R
-181	Min.	-0.06	1	SLU	-0.00	1	SLU	-0.96	1	SLU	0.00	2	SLE R	0.00	1	SLU	0.00	1	SLU
-180	Max	-0.04	2	SLE R	0.00	1	SLU	-0.71	2	SLE R	0.00	1	SLU	0.00	1	SLU	0.00	2	SLE R
-180	Min.	-0.06	1	SLU	0.00	2	SLE R	-0.96	1	SLU	0.00	2	SLE R	0.00	2	SLE R	0.00	1	SLU
-179	Max	-0.04	2	SLE R	-0.00	2	SLE R	-0.74	2	SLE R	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-179	Min.	-0.06	1	SLU	-0.00	1	SLU	-1.00	1	SLU	0.00	2	SLE R	0.00	1	SLU	0.00	1	SLU
-178	Max	-0.04	2	SLE R	0.00	1	SLU	-0.74	2	SLE R	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-178	Min.	-0.06	1	SLU	0.00	2	SLE R	-1.00	1	SLU	0.00	2	SLE R	0.00	2	SLE R	0.00	1	SLU
-177	Max	-0.04	2	SLE R	-0.00	2	SLE R	-0.69	2	SLE R	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-177	Min.	-0.06	1	SLU	-0.01	1	SLU	-0.93	1	SLU	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-176	Max	-0.04	2	SLE R	0.01	1	SLU	-0.69	2	SLE R	0.00	1	SLU	0.00	1	SLU	0.00	2	SLE R
-176	Min.	-0.06	1	SLU	0.00	2	SLE R	-0.93	1	SLU	0.00	2	SLE R	0.00	2	SLE R	0.00	1	SLU
-175	Max	-0.04	2	SLE R	-0.00	2	SLE R	-0.71	2	SLE R	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-175	Min.	-0.06	1	SLU	-0.01	1	SLU	-0.96	1	SLU	0.00	2	SLE R	0.00	1	SLU	0.00	1	SLU
-174	Max	-0.04	2	SLE R	0.01	1	SLU	-0.71	2	SLE R	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-174	Min.	-0.06	1	SLU	0.00	2	SLE R	-0.96	1	SLU	0.00	2	SLE R	0.00	2	SLE R	0.00	1	SLU
-173	Max	-0.05	2	SLE R	-0.00	2	SLE R	-0.80	2	SLE R	0.00	1	SLU	0.00	2	SLE R	0.00	2	SLE R
-173	Min.	-0.06	1	SLU	-0.00	1	SLU	-1.08	1	SLU	0.00	2	SLE R	0.00	1	SLU	0.00	1	SLU
-172	Max	-0.05	2	SLE R	0.00	1	SLU	-0.80	2	SLE R	0.00	1	SLU	0.00	1	SLU	0.00	2	SLE R
-172	Min.	-0.06	1	SLU	0.00	2	SLE R	-1.08	1	SLU	0.00	2	SLE R	0.00	2	SLE R	0.00	1	SLU
-171	Max	-0.05	2	SLE R	-0.01	2	SLE R	-0.63	2	SLE R	0.00	1	SLU	0.00	2	SLE R	0.00	2	SLE R
-171	Min.	-0.06	1	SLU	-0.01	1	SLU	-0.86	1	SLU	0.00	2	SLE R	0.00	1	SLU	0.00	1	SLU
-170	Max	-0.05	2	SLE R	0.01	1	SLU	-0.63	2	SLE R	0.00	1	SLU	0.00	1	SLU	0.00	2	SLE R
-170	Min.	-0.06	1	SLU	0.01	2	SLE R	-0.85	1	SLU	0.00	2	SLE R	0.00	2	SLE R	0.00	1	SLU
-169	Max	-0.05	2	SLE R	-0.00	2	SLE R	-0.77	2	SLE R	0.00	1	SLU	0.00	2	SLE R	0.00	2	SLE R
-169	Min.	-0.06	1	SLU	-0.01	1	SLU	-1.04	1	SLU	0.00	2	SLE R	0.00	1	SLU	0.00	1	SLU
-168	Max	-0.05	2	SLE R	0.01	1	SLU	-0.77	2	SLE R	0.00	1	SLU	0.00	1	SLU	0.00	2	SLE R
-168	Min.	-0.06	1	SLU	0.00	2	SLE R	-1.04	1	SLU	0.00	2	SLE R	0.00	2	SLE R	0.00	1	SLU
-167	Max	-0.05	2	SLE R	-0.01	2	SLE R	-0.66	2	SLE R	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-167	Min.	-0.06	1	SLU	-0.01	1	SLU	-0.89	1	SLU	0.00	2	SLE R	0.00	1	SLU	0.00	1	SLU
-166	Max	-0.05	2	SLE R	0.01	1	SLU	-0.66	2	SLE R	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-166	Min.	-0.06	1	SLU	0.01	2	SLE R	-0.89	1	SLU	0.00	2	SLE R	0.00	2	SLE R	0.00	1	SLU
-165	Max	-0.05	2	SLE R	-0.00	2	SLE R	-0.81	2	SLE R	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-165	Min.	-0.06	1	SLU	-0.00	1	SLU	-1.09	1	SLU	0.00	2	SLE R	0.00	1	SLU	0.00	1	SLU
-164	Max	-0.05	2	SLE R	0.00	1	SLU	-0.81	2	SLE R	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-164	Min.	-0.06	1	SLU	0.00	2	SLE R	-1.09	1	SLU	0.00	2	SLE R	0.00	2	SLE R	0.00	1	SLU
-163	Max	-0.05	2	SLE R	-0.00	2	SLE R	-0.83	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-163	Min.	-0.06	1	SLU	-0.00	1	SLU	-1.13	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-162	Max	-0.05	2	SLE R	0.00	1	SLU	-0.83	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-162	Min.	-0.06	1	SLU	0.00	2	SLE R	-1.12	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-161	Max	-0.05	2	SLE R	-0.01	2	SLE R	-0.72	2	SLE R	0.00	1	SLU	0.00	2	SLE R	0.00	2	SLE R
-161	Min.	-0.06	1	SLU	-0.01	1	SLU	-0.97	1	SLU	0.00	2	SLE R	0.00	1	SLU	0.00	1	SLU
-160	Max	-0.05	2	SLE R	0.01	1	SLU	-0.72	2	SLE R	0.00	1	SLU	0.00	1	SLU	0.00	2	SLE R
-160	Min.	-0.06	1	SLU	0.01	2	SLE R	-0.97	1	SLU	0.00	2	SLE R	0.00	2	SLE R	0.00	1	SLU
-159	Max	-0.05	2	SLE R	-0.00	2	SLE R	-0.81	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-159	Min.	-0.06	1	SLU	-0.00	1	SLU	-1.09	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-158	Max	-0.05	2	SLE R	0.00	1	SLU	-0.81	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-158	Min.	-0.06	1	SLU	0.00	2	SLE R	-1.09	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-157	Max	-0.05	2	SLE R	-0.01	2	SLE R	-0.56	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	1	SLU
-157	Min.	-0.06	1	SLU	-0.01	1	SLU	-0.76	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	2	SLE R
-156	Max	-0.05	2	SLE R	0.01	1	SLU	-0.56	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	1	SLU
-156	Min.	-0.06	1	SLU	0.01	2	SLE R	-0.75	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	2	SLE R
-155	Max	-0.05	2	SLE R	-0.01	2	SLE R	-0.58	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	1	SLU
-155	Min.	-0.07	1	SLU	-0.01	1	SLU	-0.79	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-154	Max	-0.05	2	SLE R	0.01	1	SLU	-0.58	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	1	SLU
-154	Min.	-0.07	1	SLU	0.01	2	SLE R	-0.79	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-153	Max	-0.05	2	SLE R	-0.00	2	SLE R	-0.76	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-153	Min.	-0.07	1	SLU	-0.01	1	SLU	-1.02	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-152	Max	-0.05	2	SLE R	0.01	1	SLU	-0.75	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-152	Min.	-0.07	1	SLU	0.00	2	SLE R	-1.02	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-151	Max	-0.05	2	SLE R	-0.01	2	SLE R	-0.71	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	1	SLU
-151	Min.	-0.07	1	SLU	-0.01	1	SLU	-0.95	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-150	Max	-0.05	2	SLE R	0.01	1	SLU	-0.70	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	1	SLU
-150	Min.	-0.07	1	SLU	0.01	2	SLE R	-0.95	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-149	Max	-0.05	2	SLE R	-0.01	2	SLE R	-0.64	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-149	Min.	-0.07	1	SLU	-0.01	1	SLU	-0.87	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-148	Max	-0.05	2	SLE R	0.01	1	SLU	-0.64	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-148	Min.	-0.07	1	SLU	0.01	2	SLE R	-0.86	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-147	Max	-0.05	2	SLE R	-0.01	2	SLE R	-0.69	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-147	Min.	-0.07	1	SLU	-0.01	1	SLU	-0.93	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-146	Max	-0.05	2	SLE R	0.01	1	SLU	-0.68	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-146	Min.	-0.07	1	SLU	0.01	2	SLE R	-0.92	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-145	Max	-0.05	2	SLE R	0.00	2	SLE R	-0.78	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-145	Min.	-0.07	1	SLU	0.00	1	SLU	-1.05	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-144	Max	-0.05	2	SLE R	0.00	1	SLU	-0.78	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R

-144	Min.	-0.07	1	SLU	0.00	2	SLE R	-1.05	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-143	Max	-0.05	2	SLE R	-0.00	2	SLE R	-0.76	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-143	Min.	-0.07	1	SLU	-0.00	1	SLU	-1.03	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-142	Max	-0.05	2	SLE R	0.00	1	SLU	-0.76	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-142	Min.	-0.07	1	SLU	0.00	2	SLE R	-1.03	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-141	Max	-0.05	2	SLE R	-0.01	2	SLE R	-0.47	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-141	Min.	-0.07	1	SLU	-0.01	1	SLU	-0.63	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-140	Max	-0.05	2	SLE R	0.01	1	SLU	-0.47	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-140	Min.	-0.07	1	SLU	0.01	2	SLE R	-0.63	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-139	Max	-0.05	2	SLE R	-0.01	2	SLE R	-0.49	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	1	SLU
-139	Min.	-0.07	1	SLU	-0.01	1	SLU	-0.67	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-138	Max	-0.05	2	SLE R	0.01	1	SLU	-0.49	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	1	SLU
-138	Min.	-0.07	1	SLU	0.01	2	SLE R	-0.66	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-137	Max	-0.05	2	SLE R	-0.00	2	SLE R	-0.73	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-137	Min.	-0.07	1	SLU	-0.00	1	SLU	-0.99	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-136	Max	-0.05	2	SLE R	0.00	1	SLU	-0.73	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-136	Min.	-0.07	1	SLU	0.00	2	SLE R	-0.99	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-135	Max	-0.05	2	SLE R	0.00	1	SLU	-0.74	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-135	Min.	-0.07	1	SLU	0.00	2	SLE R	-1.00	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-134	Max	-0.05	2	SLE R	0.00	1	SLU	-0.74	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-134	Min.	-0.07	1	SLU	0.00	2	SLE R	-1.00	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-133	Max	-0.05	2	SLE R	-0.01	2	SLE R	-0.55	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-133	Min.	-0.07	1	SLU	-0.01	1	SLU	-0.74	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-132	Max	-0.05	2	SLE R	0.01	1	SLU	-0.55	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-132	Min.	-0.07	1	SLU	0.01	2	SLE R	-0.74	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-131	Max	-0.05	2	SLE R	-0.00	2	SLE R	-0.73	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-131	Min.	-0.07	1	SLU	-0.00	1	SLU	-0.98	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-130	Max	-0.05	2	SLE R	0.00	1	SLU	-0.73	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-130	Min.	-0.07	1	SLU	0.00	2	SLE R	-0.98	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-129	Max	-0.05	2	SLE R	-0.01	2	SLE R	-0.60	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-129	Min.	-0.07	1	SLU	-0.01	1	SLU	-0.81	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-128	Max	-0.05	2	SLE R	-0.00	2	SLE R	-0.70	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-128	Min.	-0.07	1	SLU	-0.00	1	SLU	-0.95	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-127	Max	-0.05	2	SLE R	0.00	1	SLU	-0.70	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-127	Min.	-0.07	1	SLU	0.00	2	SLE R	-0.95	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-126	Max	-0.05	2	SLE R	0.01	1	SLU	-0.60	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-126	Min.	-0.07	1	SLU	0.01	2	SLE R	-0.81	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-125	Max	-0.05	2	SLE R	-0.00	2	SLE R	-0.69	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-125	Min.	-0.07	1	SLU	-0.00	1	SLU	-0.93	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-124	Max	-0.05	2	SLE R	0.00	1	SLU	-0.68	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-124	Min.	-0.07	1	SLU	0.00	2	SLE R	-0.92	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-123	Max	-0.05	2	SLE R	0.00	1	SLU	-0.71	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-123	Min.	-0.07	1	SLU	0.00	2	SLE R	-0.95	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-122	Max	-0.05	2	SLE R	0.00	1	SLU	-0.71	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-122	Min.	-0.07	1	SLU	0.00	2	SLE R	-0.95	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-121	Max	-0.05	2	SLE R	0.00	1	SLU	-0.70	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-121	Min.	-0.07	1	SLU	0.00	2	SLE R	-0.95	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-120	Max	-0.05	2	SLE R	0.00	1	SLU	-0.70	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-120	Min.	-0.07	1	SLU	0.00	2	SLE R	-0.94	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-119	Max	-0.05	2	SLE R	-0.00	2	SLE R	-0.69	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-119	Min.	-0.07	1	SLU	-0.00	1	SLU	-0.93	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-118	Max	-0.05	2	SLE R	0.00	1	SLU	-0.69	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-118	Min.	-0.07	1	SLU	0.00	2	SLE R	-0.93	1	SLU	0.00	1	SLU	0.00	2	SLE R	-0.00	1	SLU
-117	Max	-0.05	2	SLE R	0.00	1	SLU	-0.69	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-117	Min.	-0.07	1	SLU	0.00	2	SLE R	-0.93	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-116	Max	-0.05	2	SLE R	0.00	1	SLU	-0.68	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-116	Min.	-0.07	1	SLU	0.00	2	SLE R	-0.92	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-115	Max	-0.05	2	SLE R	-0.00	2	SLE R	-0.67	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-115	Min.	-0.07	1	SLU	-0.00	1	SLU	-0.90	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-114	Max	-0.05	2	SLE R	0.00	1	SLU	-0.67	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-114	Min.	-0.07	1	SLU	0.00	2	SLE R	-0.90	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-113	Max	-0.05	2	SLE R	0.00	2	SLE R	-0.68	2	SLE R	0.00	2	SLE R	0.00	1	SLU	-0.00	2	SLE R
-113	Min.	-0.07	1	SLU	0.00	1	SLU	-0.92	1	SLU	0.00	1	SLU	0.00	2	SLE R	-0.00	1	SLU
-112	Max	-0.05	2	SLE R	0.00	2	SLE R	-0.68	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-112	Min.	-0.07	1	SLU	0.00	1	SLU	-0.91	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-111	Max	-0.05	2	SLE R	0.00	1	SLU	-0.67	2	SLE R	0.00	2	SLE R	0.00	1	SLU	-0.00	2	SLE R
-111	Min.	-0.07	1	SLU	0.00	2	SLE R	-0.91	1	SLU	0.00	1	SLU	0.00	2	SLE R	-0.00	1	SLU
-110	Max	-0.05	2	SLE R	-0.01	2	SLE R	-0.53	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	1	SLU
-110	Min.	-0.07	1	SLU	-0.01	1	SLU	-0.72	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-109	Max	-0.05	2	SLE R	0.01	1	SLU	-0.53	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	1	SLU
-109	Min.	-0.07	1	SLU	0.01	2	SLE R	-0.72	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-108	Max	-0.05	2	SLE R	0.00	1	SLU	-0.65	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-108	Min.	-0.07	1	SLU	0.00	2	SLE R	-0.88	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-107	Max	-0.05	2	SLE R	0.01	1	SLU	-0.66	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-107	Min.	-0.07	1	SLU	0.00	2	SLE R	-0.89	1	SLU	0.00	1	SLU	0.00	1	SLU	-0.00	1	SLU
-106	Max	-0.05	2	SLE R	-0.00	2	SLE R	-0.66	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R

-106	Min.	-0.07	1	SLU	-0.00	1	SLU	-0.89	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-105	Max	-0.05	2	SLE R	-0.00	2	SLE R	-0.63	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-105	Min.	-0.07	1	SLU	-0.01	1	SLU	-0.85	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-104	Max	-0.05	2	SLE R	0.01	1	SLU	-0.63	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-104	Min.	-0.07	1	SLU	0.00	2	SLE R	-0.85	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-103	Max	-0.05	2	SLE R	-0.00	2	SLE R	-0.64	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-103	Min.	-0.07	1	SLU	-0.00	1	SLU	-0.86	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-102	Max	-0.05	2	SLE R	-0.00	2	SLE R	-0.63	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-102	Min.	-0.07	1	SLU	-0.00	1	SLU	-0.85	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-101	Max	-0.05	2	SLE R	0.00	1	SLU	-0.63	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-101	Min.	-0.07	1	SLU	0.00	2	SLE R	-0.84	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-100	Max	-0.05	2	SLE R	-0.00	2	SLE R	-0.64	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	-0.00	2	SLE R
-100	Min.	-0.07	1	SLU	-0.00	1	SLU	-0.86	1	SLU	0.00	1	SLU	0.00	1	SLU	-0.00	1	SLU
-99	Max	-0.05	2	SLE R	0.00	2	SLE R	-0.64	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-99	Min.	-0.07	1	SLU	0.00	1	SLU	-0.86	1	SLU	-0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-98	Max	-0.05	2	SLE R	0.00	1	SLU	-0.62	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-98	Min.	-0.07	1	SLU	0.00	2	SLE R	-0.83	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-97	Max	-0.05	2	SLE R	-0.00	2	SLE R	-0.63	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-97	Min.	-0.07	1	SLU	-0.00	1	SLU	-0.85	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-96	Max	-0.06	2	SLE R	-0.00	2	SLE R	-0.61	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-96	Min.	-0.07	1	SLU	-0.01	1	SLU	-0.82	1	SLU	0.00	1	SLU	0.00	1	SLU	-0.00	1	SLU
-95	Max	-0.05	2	SLE R	0.00	1	SLU	-0.61	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-95	Min.	-0.07	1	SLU	0.00	2	SLE R	-0.82	1	SLU	0.00	1	SLU	0.00	2	SLE R	-0.00	1	SLU
-94	Max	-0.05	2	SLE R	0.00	1	SLU	-0.59	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-94	Min.	-0.07	1	SLU	0.00	2	SLE R	-0.80	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-93	Max	-0.05	2	SLE R	-0.00	2	SLE R	-0.59	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-93	Min.	-0.07	1	SLU	-0.00	1	SLU	-0.80	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-92	Max	-0.06	2	SLE R	0.00	2	SLE R	-0.60	2	SLE R	-0.00	2	SLE R	0.00	1	SLU	-0.00	2	SLE R
-92	Min.	-0.08	1	SLU	-0.00	1	SLU	-0.81	1	SLU	-0.00	1	SLU	0.00	2	SLE R	-0.01	1	SLU
-91	Max	-0.05	2	SLE R	-0.00	2	SLE R	-0.58	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-91	Min.	-0.07	1	SLU	-0.00	1	SLU	-0.78	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-90	Max	-0.05	2	SLE R	0.00	1	SLU	-0.58	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-90	Min.	-0.07	1	SLU	0.00	2	SLE R	-0.78	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-89	Max	-0.05	2	SLE R	-0.01	2	SLE R	-0.51	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-89	Min.	-0.07	1	SLU	-0.01	1	SLU	-0.68	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-88	Max	-0.05	2	SLE R	-0.00	2	SLE R	-0.57	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-88	Min.	-0.07	1	SLU	-0.01	1	SLU	-0.77	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-87	Max	-0.05	2	SLE R	0.01	1	SLU	-0.57	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-87	Min.	-0.07	1	SLU	0.00	2	SLE R	-0.77	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-86	Max	-0.05	2	SLE R	0.01	1	SLU	-0.50	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-86	Min.	-0.07	1	SLU	0.01	2	SLE R	-0.68	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-85	Max	-0.05	2	SLE R	-0.01	2	SLE R	-0.37	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-85	Min.	-0.07	1	SLU	-0.01	1	SLU	-0.50	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-84	Max	-0.05	2	SLE R	-0.01	2	SLE R	-0.39	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	1	SLU
-84	Min.	-0.07	1	SLU	-0.01	1	SLU	-0.53	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-83	Max	-0.05	2	SLE R	-0.01	2	SLE R	-0.45	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-83	Min.	-0.07	1	SLU	-0.01	1	SLU	-0.61	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-82	Max	-0.05	2	SLE R	0.01	1	SLU	-0.45	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-82	Min.	-0.07	1	SLU	0.01	2	SLE R	-0.61	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-81	Max	-0.05	2	SLE R	0.01	1	SLU	-0.39	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	1	SLU
-81	Min.	-0.07	1	SLU	0.01	2	SLE R	-0.53	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-80	Max	-0.05	2	SLE R	0.01	1	SLU	-0.37	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	1	SLU
-80	Min.	-0.07	1	SLU	0.01	2	SLE R	-0.49	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	2	SLE R
-79	Max	-0.06	2	SLE R	-0.00	2	SLE R	-0.57	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	-0.00	2	SLE R
-79	Min.	-0.07	1	SLU	-0.00	1	SLU	-0.78	1	SLU	0.00	1	SLU	0.00	1	SLU	-0.00	1	SLU
-78	Max	-0.06	2	SLE R	0.00	1	SLU	-0.57	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-78	Min.	-0.07	1	SLU	0.00	2	SLE R	-0.77	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-77	Max	-0.06	2	SLE R	-0.00	2	SLE R	-0.56	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-77	Min.	-0.07	1	SLU	-0.00	1	SLU	-0.76	1	SLU	0.00	1	SLU	0.00	1	SLU	-0.00	1	SLU
-76	Max	-0.05	2	SLE R	0.00	1	SLU	-0.56	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-76	Min.	-0.07	1	SLU	0.00	2	SLE R	-0.75	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-75	Max	-0.06	2	SLE R	-0.00	2	SLE R	-0.53	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-75	Min.	-0.08	1	SLU	-0.00	1	SLU	-0.72	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-74	Max	-0.06	2	SLE R	0.00	1	SLU	-0.53	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-74	Min.	-0.08	1	SLU	0.00	2	SLE R	-0.72	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-73	Max	-0.06	2	SLE R	-0.00	2	SLE R	-0.53	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-73	Min.	-0.08	1	SLU	-0.00	1	SLU	-0.72	1	SLU	-0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-72	Max	-0.06	2	SLE R	0.00	1	SLU	-0.53	2	SLE R	0.00	2	SLE R	0.00	1	SLU	-0.00	2	SLE R
-72	Min.	-0.08	1	SLU	0.00	2	SLE R	-0.72	1	SLU	-0.00	1	SLU	0.00	2	SLE R	-0.00	1	SLU
-71	Max	-0.06	2	SLE R	-0.00	2	SLE R	-0.53	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-71	Min.	-0.08	1	SLU	-0.00	1	SLU	-0.72	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-70	Max	-0.06	2	SLE R	-0.00	2	SLE R	-0.51	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-70	Min.	-0.07	1	SLU	-0.00	1	SLU	-0.69	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-69	Max	-0.06	2	SLE R	0.01	1	SLU	-0.51	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-69	Min.	-0.08	1	SLU	0.00	2	SLE R	-0.69	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-68	Max	-0.06	2	SLE R	0.00	1	SLU	-0.52	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R

-68	Min.	-0.08	1	SLU	0.00	2	SLE R	-0.70	1	SLU	0.00	1	SLU	0.00	2	SLE R	-0.00	1	SLU
-67	Max	-0.06	2	SLE R	0.00	1	SLU	-0.49	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-67	Min.	-0.08	1	SLU	0.00	2	SLE R	-0.67	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-66	Max	-0.06	2	SLE R	-0.00	2	SLE R	-0.49	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-66	Min.	-0.08	1	SLU	-0.00	1	SLU	-0.66	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-65	Max	-0.06	2	SLE R	0.00	1	SLU	-0.49	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-65	Min.	-0.08	1	SLU	0.00	2	SLE R	-0.66	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-64	Max	-0.06	2	SLE R	-0.00	2	SLE R	-0.49	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	-0.00	2	SLE R
-64	Min.	-0.08	1	SLU	-0.00	1	SLU	-0.66	1	SLU	0.00	1	SLU	0.00	1	SLU	-0.00	1	SLU
-63	Max	-0.06	2	SLE R	0.00	1	SLU	-0.48	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-63	Min.	-0.08	1	SLU	0.00	2	SLE R	-0.65	1	SLU	0.00	1	SLU	0.00	2	SLE R	-0.00	1	SLU
-62	Max	-0.06	2	SLE R	0.00	2	SLE R	-0.48	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-62	Min.	-0.08	1	SLU	-0.00	1	SLU	-0.64	1	SLU	0.00	1	SLU	0.00	1	SLU	-0.00	1	SLU
-61	Max	-0.06	2	SLE R	0.00	1	SLU	-0.47	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-61	Min.	-0.08	1	SLU	0.00	2	SLE R	-0.63	1	SLU	0.00	1	SLU	0.00	1	SLU	-0.00	1	SLU
-60	Max	-0.06	2	SLE R	0.00	2	SLE R	-0.47	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-60	Min.	-0.08	1	SLU	-0.00	1	SLU	-0.63	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-59	Max	-0.06	2	SLE R	-0.00	2	SLE R	-0.45	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-59	Min.	-0.08	1	SLU	-0.01	1	SLU	-0.61	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-58	Max	-0.06	2	SLE R	0.00	1	SLU	-0.45	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-58	Min.	-0.08	1	SLU	0.00	2	SLE R	-0.61	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-57	Max	-0.06	2	SLE R	-0.01	2	SLE R	-0.41	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-57	Min.	-0.08	1	SLU	-0.01	1	SLU	-0.56	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-56	Max	-0.06	2	SLE R	-0.00	2	SLE R	-0.46	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-56	Min.	-0.08	1	SLU	-0.00	1	SLU	-0.62	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-55	Max	-0.06	2	SLE R	0.00	1	SLU	-0.46	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-55	Min.	-0.08	1	SLU	0.00	2	SLE R	-0.62	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-54	Max	-0.06	2	SLE R	0.01	1	SLU	-0.41	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-54	Min.	-0.08	1	SLU	0.01	2	SLE R	-0.56	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-53	Max	-0.06	2	SLE R	-0.00	2	SLE R	-0.43	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-53	Min.	-0.08	1	SLU	-0.00	1	SLU	-0.58	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-52	Max	-0.06	2	SLE R	0.00	1	SLU	-0.43	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-52	Min.	-0.08	1	SLU	0.00	2	SLE R	-0.58	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-51	Max	-0.06	2	SLE R	-0.01	2	SLE R	-0.35	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-51	Min.	-0.08	1	SLU	-0.01	1	SLU	-0.48	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-50	Max	-0.06	2	SLE R	0.01	1	SLU	-0.36	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-50	Min.	-0.08	1	SLU	0.01	2	SLE R	-0.48	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-49	Max	-0.06	2	SLE R	0.00	2	SLE R	-0.42	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-49	Min.	-0.08	1	SLU	0.00	1	SLU	-0.56	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-48	Max	-0.06	2	SLE R	0.00	1	SLU	-0.42	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-48	Min.	-0.08	1	SLU	0.00	2	SLE R	-0.56	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-47	Max	-0.06	2	SLE R	-0.00	2	SLE R	-0.41	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-47	Min.	-0.08	1	SLU	-0.00	1	SLU	-0.55	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-46	Max	-0.06	2	SLE R	0.00	1	SLU	-0.41	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-46	Min.	-0.08	1	SLU	0.00	2	SLE R	-0.55	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-45	Max	-0.06	2	SLE R	-0.01	2	SLE R	-0.30	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	1	SLU
-45	Min.	-0.08	1	SLU	-0.01	1	SLU	-0.40	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-44	Max	-0.06	2	SLE R	0.01	1	SLU	-0.30	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	1	SLU
-44	Min.	-0.08	1	SLU	0.01	2	SLE R	-0.40	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-43	Max	-0.06	2	SLE R	-0.01	2	SLE R	-0.27	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	1	SLU
-43	Min.	-0.08	1	SLU	-0.01	1	SLU	-0.36	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	2	SLE R
-42	Max	-0.06	2	SLE R	0.01	1	SLU	-0.27	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-42	Min.	-0.08	1	SLU	0.01	2	SLE R	-0.36	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-41	Max	-0.06	2	SLE R	-0.01	2	SLE R	-0.34	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	1	SLU
-41	Min.	-0.08	1	SLU	-0.01	1	SLU	-0.46	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-40	Max	-0.06	2	SLE R	0.01	1	SLU	-0.34	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	1	SLU
-40	Min.	-0.08	1	SLU	0.01	2	SLE R	-0.46	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-39	Max	-0.06	2	SLE R	-0.00	2	SLE R	-0.38	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-39	Min.	-0.08	1	SLU	-0.00	1	SLU	-0.51	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-38	Max	-0.06	2	SLE R	0.00	1	SLU	-0.38	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-38	Min.	-0.08	1	SLU	0.00	2	SLE R	-0.51	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-37	Max	-0.06	2	SLE R	0.00	2	SLE R	-0.36	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-37	Min.	-0.08	1	SLU	0.00	1	SLU	-0.48	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-36	Max	-0.06	2	SLE R	0.00	1	SLU	-0.36	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-36	Min.	-0.08	1	SLU	0.00	2	SLE R	-0.48	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-35	Max	-0.06	2	SLE R	-0.01	2	SLE R	-0.33	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-35	Min.	-0.08	1	SLU	-0.01	1	SLU	-0.44	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-34	Max	-0.06	2	SLE R	0.01	1	SLU	-0.33	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-34	Min.	-0.08	1	SLU	0.01	2	SLE R	-0.44	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-33	Max	-0.06	2	SLE R	-0.01	2	SLE R	-0.26	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-33	Min.	-0.08	1	SLU	-0.01	1	SLU	-0.36	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-32	Max	-0.06	2	SLE R	0.01	1	SLU	-0.27	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-32	Min.	-0.08	1	SLU	0.01	2	SLE R	-0.36	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-31	Max	-0.06	2	SLE R	-0.00	2	SLE R	-0.25	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-31	Min.	-0.08	1	SLU	-0.01	1	SLU	-0.34	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-30	Max	-0.06	2	SLE R	0.01	1	SLU	-0.26	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R

-30	Min.	-0.08	1	SLU	0.00	2	SLE R	-0.35	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-29	Max	-0.06	2	SLE R	0.01	1	SLU	-0.21	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	1	SLU
-29	Min.	-0.08	1	SLU	0.01	2	SLE R	-0.28	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-28	Max	-0.06	2	SLE R	-0.01	2	SLE R	-0.20	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	1	SLU
-28	Min.	-0.08	1	SLU	-0.01	1	SLU	-0.28	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-27	Max	-0.06	2	SLE R	-0.01	2	SLE R	-0.18	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-27	Min.	-0.08	1	SLU	-0.01	1	SLU	-0.24	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-26	Max	-0.06	2	SLE R	0.01	1	SLU	-0.18	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	1	SLU
-26	Min.	-0.08	1	SLU	0.01	2	SLE R	-0.24	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	2	SLE R
-25	Max	-0.06	2	SLE R	-0.00	2	SLE R	-0.20	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-25	Min.	-0.08	1	SLU	-0.00	1	SLU	-0.27	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-24	Max	-0.06	2	SLE R	0.00	1	SLU	-0.20	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-24	Min.	-0.08	1	SLU	0.00	2	SLE R	-0.28	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-23	Max	-0.06	2	SLE R	-0.00	2	SLE R	-0.20	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	1	SLU
-23	Min.	-0.08	1	SLU	-0.01	1	SLU	-0.27	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-22	Max	-0.06	2	SLE R	0.01	1	SLU	-0.20	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	1	SLU
-22	Min.	-0.08	1	SLU	0.00	2	SLE R	-0.27	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-21	Max	-0.06	2	SLE R	-0.01	2	SLE R	-0.19	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-21	Min.	-0.08	1	SLU	-0.01	1	SLU	-0.26	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-20	Max	-0.06	2	SLE R	0.01	1	SLU	-0.19	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-20	Min.	-0.08	1	SLU	0.01	2	SLE R	-0.26	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-19	Max	-0.06	2	SLE R	0.00	2	SLE R	-0.18	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-19	Min.	-0.08	1	SLU	-0.00	1	SLU	-0.24	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-18	Max	-0.06	2	SLE R	0.00	1	SLU	-0.18	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-18	Min.	-0.08	1	SLU	0.00	2	SLE R	-0.24	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-17	Max	-0.06	2	SLE R	0.00	2	SLE R	-0.14	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	1	SLU
-17	Min.	-0.08	1	SLU	0.00	1	SLU	-0.19	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-16	Max	-0.06	2	SLE R	-0.01	2	SLE R	-0.13	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	1	SLU
-16	Min.	-0.08	1	SLU	-0.01	1	SLU	-0.18	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-15	Max	-0.06	2	SLE R	0.01	1	SLU	-0.13	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	1	SLU
-15	Min.	-0.08	1	SLU	0.01	2	SLE R	-0.18	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-14	Max	-0.06	2	SLE R	-0.00	2	SLE R	-0.14	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-14	Min.	-0.08	1	SLU	-0.00	1	SLU	-0.18	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-13	Max	-0.06	2	SLE R	0.00	1	SLU	-0.14	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-13	Min.	-0.08	1	SLU	0.00	2	SLE R	-0.19	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-12	Max	-0.06	2	SLE R	-0.01	2	SLE R	-0.10	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	1	SLU
-12	Min.	-0.08	1	SLU	-0.01	1	SLU	-0.14	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	2	SLE R
-11	Max	-0.06	2	SLE R	0.01	1	SLU	-0.10	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-11	Min.	-0.08	1	SLU	0.01	2	SLE R	-0.14	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-10	Max	-0.06	2	SLE R	-0.00	2	SLE R	-0.11	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-10	Min.	-0.08	1	SLU	-0.00	1	SLU	-0.15	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-9	Max	-0.06	2	SLE R	0.00	1	SLU	-0.11	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-9	Min.	-0.08	1	SLU	0.00	2	SLE R	-0.15	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-8	Max	-0.06	2	SLE R	-0.00	2	SLE R	-0.08	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	1	SLU
-8	Min.	-0.08	1	SLU	-0.01	1	SLU	-0.10	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-7	Max	-0.06	2	SLE R	0.01	1	SLU	-0.08	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	1	SLU
-7	Min.	-0.08	1	SLU	0.00	2	SLE R	-0.11	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-6	Max	-0.06	2	SLE R	-0.00	2	SLE R	-0.05	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	2	SLE R
-6	Min.	-0.09	1	SLU	-0.01	1	SLU	-0.07	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-5	Max	-0.06	2	SLE R	0.01	1	SLU	-0.05	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	1	SLU
-5	Min.	-0.09	1	SLU	0.00	2	SLE R	-0.07	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	2	SLE R
-4	Max	-0.06	2	SLE R	-0.00	2	SLE R	-0.05	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	1	SLU
-4	Min.	-0.09	1	SLU	-0.00	1	SLU	-0.07	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	1	SLU
-3	Max	-0.06	2	SLE R	0.00	1	SLU	-0.05	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	1	SLU
-3	Min.	-0.09	1	SLU	0.00	2	SLE R	-0.07	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU
-2	Max	-0.06	2	SLE R	-0.00	2	SLE R	-0.02	2	SLE R	0.00	2	SLE R	0.00	2	SLE R	0.00	1	SLU
-2	Min.	-0.09	1	SLU	-0.00	1	SLU	-0.03	1	SLU	0.00	1	SLU	0.00	1	SLU	0.00	2	SLE R
-1	Max	-0.06	2	SLE R	0.00	1	SLU	-0.02	2	SLE R	0.00	2	SLE R	0.00	1	SLU	0.00	2	SLE R
-1	Min.	-0.09	1	SLU	0.00	2	SLE R	-0.03	1	SLU	0.00	1	SLU	0.00	2	SLE R	0.00	1	SLU

Min = -1.13
Max = 0.01

Reazioni vincolari

Simbologia
CC = Numero della combinazione delle condizioni di carico elementari
Fx = Reazione vincolare (forza) in dir. X
Fy = Reazione vincolare (forza) in dir. Y
Fz = Reazione vincolare (forza) in dir. Z
Mx = Reazione vincolare (momento) intorno all'asse X
My = Reazione vincolare (momento) intorno all'asse Y
Mz = Reazione vincolare (momento) intorno all'asse Z
Nodo = Numero del nodo
TCC = Tipo di combinazione di carico
SLU = Stato limite ultimo
SLE R = Stato limite d'esercizio, combinazione rara
SLE F = Stato limite d'esercizio, combinazione frequente
SLE Q = Stato limite d'esercizio, combinazione quasi permanente

Nodo		CC	TCC	Fx <daN>	CC	TCC	Fy <daN>	CC	TCC	Fz <daN>	CC	TCC	Mx <daNm>	CC	TCC	My <daNm>	CC	TCC	Mz <daNm>
-179	Max	1	SLU	5469.71	1	SLU	179.78	1	SLU	336421.00	2	SLE R	-27901.00	1	SLU	10624.50	1	SLU	15906.70
-179	Min	2	SLE R	4051.63	2	SLE R	133.17	2	SLE R	249201.00	1	SLU	-37666.30	2	SLE R	7870.00	1	SLU	11782.80
-178	Max	1	SLU	5468.13	2	SLE R	-139.65	1	SLU	336192.00	2	SLE R	-27859.40	2	SLE R	-8143.06	1	SLU	14771.30
-178	Min	2	SLE R	4050.47	1	SLU	-188.53	2	SLE R	249031.00	1	SLU	-37610.20	2	SLE R	-10993.10	1	SLU	10941.70
-175	Max	1	SLU	5578.50	1	SLU	549.56	1	SLU	323970.00	2	SLE R	-21249.90	1	SLU	30177.20	1	SLU	14215.00
-175	Min	2	SLE R	4132.22	2	SLE R	407.08	2	SLE R	239977.00	1	SLU	-28687.40	2	SLE R	22353.50	1	SLU	10529.60
-174	Max	1	SLU	5582.55	2	SLE R	-407.15	1	SLU	323322.00	2	SLE R	-21136.90	2	SLE R	-22569.00	1	SLU	14827.40
-174	Min	2	SLE R	4135.22	1	SLU	-549.65	2	SLE R	239498.00	1	SLU	-28534.80	2	SLE R	-30468.20	1	SLU	10983.30
-167	Max	1	SLU	5794.48	1	SLU	849.27	1	SLU	299541.00	2	SLE R	-9907.46	1	SLU	44027.50	1	SLU	18549.60
-167	Min	2	SLE R	4292.21	2	SLE R	629.09	2	SLE R	221882.00	1	SLU	-13375.10	2	SLE R	32613.00	1	SLU	13740.40
-166	Max	1	SLU	5790.93	2	SLE R	-628.66	1	SLU	298514.00	2	SLE R	-9745.20	2	SLE R	-32751.80	1	SLU	16375.40
-166	Min	2	SLE R	4289.57	1	SLU	-848.69	2	SLE R	221121.00	1	SLU	-13156.00	2	SLE R	-44214.90	1	SLU	12129.90
-165	Max	1	SLU	5834.72	1	SLU	281.25	1	SLU	367455.00	2	SLE R	-9425.78	1	SLU	16285.20	1	SLU	113545.00
-165	Min	2	SLE R	4322.02	2	SLE R	208.33	2	SLE R	272189.00	1	SLU	-12724.80	2	SLE R	12063.10	1	SLU	84107.60
-164	Max	1	SLU	5828.69	2	SLE R	-208.76	1	SLU	366998.00	2	SLE R	-9370.07	2	SLE R	-12379.80	1	SLU	110955.00
-164	Min	2	SLE R	4317.55	1	SLU	-281.83	2	SLE R	271850.00	1	SLU	-12649.60	2	SLE R	-16712.80	1	SLU	82189.20
-155	Max	1	SLU	6087.60	1	SLU	1087.14	1	SLU	265730.00	1	SLU	5436.90	1	SLU	49948.90	1	SLU	15236.90
-155	Min	2	SLE R	4509.33	2	SLE R	805.29	2	SLE R	196837.00	2	SLE R	4027.34	2	SLE R	36999.20	1	SLU	11286.60
-154	Max	1	SLU	6082.49	2	SLE R	-802.90	1	SLU	264502.00	1	SLU	5548.67	2	SLE R	-36914.50	1	SLU	14881.90
-154	Min	2	SLE R	4505.55	1	SLU	-1083.91	2	SLE R	195928.00	2	SLE R	4110.13	2	SLE R	-49834.60	1	SLU	11023.60
-151	Max	1	SLU	6153.29	1	SLU	739.71	1	SLU	320999.00	1	SLU	11338.00	1	SLU	38419.30	1	SLU	131743.00
-151	Min	2	SLE R	4558.00	2	SLE R	547.93	2	SLE R	237777.00	2	SLE R	8398.50	2	SLE R	28458.70	1	SLU	97587.20
-150	Max	1	SLU	6144.62	2	SLE R	-547.48	1	SLU	319722.00	1	SLU	11882.00	2	SLE R	-28799.80	1	SLU	118685.00
-150	Min	2	SLE R	4551.57	1	SLU	-739.10	2	SLE R	236831.00	2	SLE R	8801.48	2	SLE R	-38879.70	1	SLU	87914.80
-139	Max	1	SLU	6422.63	1	SLU	1206.95	1	SLU	224546.00	1	SLU	23753.70	1	SLU	47807.10	1	SLU	20132.30
-139	Min	2	SLE R	4757.50	2	SLE R	894.04	2	SLE R	166330.00	2	SLE R	17595.30	2	SLE R	35412.70	1	SLU	14912.80
-138	Max	1	SLU	6419.81	2	SLE R	-892.37	1	SLU	223443.00	1	SLU	23421.20	2	SLE R	-35382.50	1	SLU	19476.10
-138	Min	2	SLE R	4755.42	1	SLU	-1204.70	2	SLE R	165514.00	2	SLE R	17349.10	2	SLE R	-47766.30	1	SLU	14426.70
-110	Max	1	SLU	6653.73	1	SLU	928.78	1	SLU	242013.00	1	SLU	40690.60	1	SLU	35584.60	1	SLU	157438.00
-110	Min	2	SLE R	4928.69	2	SLE R	687.99	2	SLE R	179269.00	2	SLE R	30141.20	2	SLE R	26358.90	1	SLU	116621.00
-109	Max	1	SLU	6659.63	2	SLE R	-695.85	1	SLU	241125.00	1	SLU	40229.10	2	SLE R	-26357.30	1	SLU	134447.00
-109	Min	2	SLE R	4933.06	1	SLU	-939.40	2	SLE R	178611.00	2	SLE R	29799.40	2	SLE R	-35582.30	1	SLU	99590.10
-84	Max	1	SLU	6794.42	1	SLU	1233.96	1	SLU	178731.00	1	SLU	38190.60	1	SLU	39373.90	1	SLU	18904.00
-84	Min	2	SLE R	5032.90	2	SLE R	914.05	2	SLE R	132393.00	2	SLE R	28289.30	2	SLE R	29165.90	1	SLU	14002.90
-81	Max	1	SLU	6792.35	2	SLE R	-921.01	1	SLU	178142.00	1	SLU	37744.40	2	SLE R	-29087.10	1	SLU	15253.40
-81	Min	2	SLE R	5031.37	1	SLU	-1243.36	2	SLE R	131957.00	2	SLE R	27958.80	2	SLE R	-39267.60	1	SLU	11298.80
-45	Max	1	SLU	7113.33	1	SLU	1164.58	1	SLU	134611.00	1	SLU	46200.40	1	SLU	28298.20	1	SLU	20696.80
-45	Min	2	SLE R	5269.13	2	SLE R	862.65	2	SLE R	99712.00	2	SLE R	34222.50	2	SLE R	20961.70	1	SLU	15331.00
-44	Max	1	SLU	7115.06	2	SLE R	-855.28	1	SLU	134605.00	1	SLU	45598.40	2	SLE R	-20923.20	1	SLU	22502.00
-44	Min	2	SLE R	5270.42	1	SLU	-1154.63	2	SLE R	99707.70	2	SLE R	33776.60	2	SLE R	-28246.40	1	SLU	16668.20
-41	Max	1	SLU	7153.01	1	SLU	830.08	1	SLU	155514.00	1	SLU	54354.90	1	SLU	17224.20	1	SLU	168210.00
-41	Min	2	SLE R	5298.53	2	SLE R	614.87	2	SLE R	115196.00	2	SLE R	40262.90	2	SLE R	12758.70	1	SLU	124600.00
-40	Max	1	SLU	7180.25	2	SLE R	-611.53	1	SLU	155666.00	1	SLU	53823.90	2	SLE R	-12813.20	1	SLU	149799.00
-40	Min	2	SLE R	5318.71	1	SLU	-825.57	2	SLE R	115308.00	2	SLE R	39869.60	2	SLE R	-17297.80	1	SLU	110962.00
-29	Max	1	SLU	7428.22	2	SLE R	-742.55	1	SLU	93954.70	1	SLU	48116.80	2	SLE R	-12445.50	1	SLU	17446.70
-29	Min	2	SLE R	5502.38	1	SLU	-1002.45	2	SLE R	69596.10	2	SLE R	35642.10	2	SLE R	-16801.50	1	SLU	12923.50
-28	Max	1	SLU	7422.07	1	SLU	989.68	1	SLU	93054.30	1	SLU	48522.50	1	SLU	16694.00	1	SLU	22944.30
-28	Min	2	SLE R	5497.83	2	SLE R	733.10	2	SLE R	68929.10	2	SLE R	35942.60	2	SLE R	12365.90	1	SLU	16995.80
-23	Max	1	SLU	7523.81	1	SLU	488.84	1	SLU	89766.80	1	SLU	51299.80	1	SLU	3340.54	1	SLU	178297.00
-23	Min	2	SLE R	5573.19	2	SLE R	362.10	2	SLE R	66493.90	2	SLE R	37999.90	2	SLE R	2474.47	1	SLU	132072.00
-22	Max	1	SLU	7535.85	2	SLE R	-348.58	1	SLU	90377.90	1	SLU	51220.00	2	SLE R	-2370.66	1	SLU	167046.00
-22	Min	2	SLE R	5582.11	1	SLU	-470.59	2	SLE R	66946.60	2	SLE R	37940.70	2	SLE R	-3200.39	1	SLU	123738.00
-17	Max	1	SLU	7662.05	1	SLU	8.59	1	SLU	65554.50	1	SLU	47332.00	1	SLU	180.34	1	SLU	177383.00
-17	Min	2	SLE R	5675.59	2	SLE R	6.36	2	SLE R	48558.90	2	SLE R	35060.70	2	SLE R	133.59	1	SLU	131395.00
-16	Max	1	SLU	7660.41	1	SLU	772.36	1	SLU	59197.90	1	SLU	46710.20	1	SLU	7987.79	1	SLU	21159.20
-16	Min	2	SLE R	5674.38	2	SLE R	572.12	2	SLE R	43850.30	2	SLE R	34600.10	2	SLE R	5916.88	1	SLU	15673.50
-15	Max	1	SLU	7649.17	2	SLE R	-566.67	1	SLU	59959.30	1	SLU	46578.90	2	SLE R	-5858.12	1	SLU	24180.70
-15	Min	2	SLE R	5666.06	1	SLU	-765.00	2	SLE R	44414.30	2	SLE R	34502.90	2	SLE R	-7908.46	1	SLU	17911.60
-8	Max	1	SLU	7820.97	1	SLU	470.83	1	SLU	35003.30	1	SLU	43337.70	1	SLU	2716.90	1	SLU	25386.60
-8	Min	2	SLE R	5793.31	2	SLE R	348.76	2	SLE R	25928.30	2	SLE R	32102.00	2	SLE R	2012.52	1	SLU	18804.90
-7	Max	1	SLU	7835.53	2	SLE R	-356.33	1	SLU	35630.70	1	SLU	43333.40	2	SLE R	-1823.47	1	SLU	19436.10
-7	Min	2	SLE R	5804.10	1	SLU	-481.05	2	SLE R	26393.10	2	SLE R	32098.80	2	SLE R	-2461.69	1	SLU	14397.10
-4	Max	1	SLU	7919.89	1	SLU	167.35	1	SLU	22439.10	1	SLU	40932.50	1	SLU	710.08	1	SLU	20629.50
-4	Min	2	SLE R	5866.59	2	SLE R	123.96	2	SLE R	16621.60	2	SLE R	30320.30	2	SLE R	525.99	1	SLU	15281.10
-3	Max	1	SLU	7902.10	2	SLE R	-126.10	1	SLU	22677.90	1	SLU	40951.70	2	SLE R	-240.28	1	SLU	25843.40
-3	Min	2	SLE R	5853.41	1	SLU	-170.24	2	SLE R	16798.40	2	SLE R	30334.60	2	SLE R	-324.37	1	SLU	19143.30

Sollecitazioni elementi bidimensionali

Simbologia

σ_{xx} = Tensione normale sulle facce perp. all'asse X

σ_{zz} = Tensione normale sulle facce perp. all'asse Z

τ_{xy} = Tensione in dir. Y sulle facce perp. all'asse X

τ_{xz} = Tensione in dir. Z sulle facce perp. all'asse X
τ_{zy} = Tensione in dir. Y sulle facce perp. all'asse Z
Bid. = Numero del muro/elemento bidimensionale
CC = Numero della combinazione delle condizioni di carico elementari
Mxx = Momento che provoca variazione di tensione sulle facce perp. all'asse X
Mxz = Momento che provoca variazione di tensione tangenziale sulle facce perp. all'asse X
Mzz = Momento che provoca variazione di tensione sulle facce perp. all'asse Z
Nodo = Numero del nodo
TCC = Tipo di combinazione di carico
SLU = Stato limite ultimo
SLE R = Stato limite d'esercizio, combinazione rara
SLE F = Stato limite d'esercizio, combinazione frequente
SLE Q = Stato limite d'esercizio, combinazione quasi permanente

Bid. 2

	CC	TCC	Nodo	Min.	CC	TCC	Nodo	Max		CC	TCC	Nodo	Min.	CC	TCC	Nodo	Max
σ_{xx} <daN/mq>	1	SLU	-100	-171725	1	SLU	-92	133795	**σ_{zz} <daN/mq>**	1	SLU	-103	-123525	1	SLU	-97	239269
τ_{xz} <daN/mq>	1	SLU	-77	-140244	1	SLU	-97	91278	**Mxx <daNm/m>**	1	SLU	-72	-2550740	1	SLU	-99	5370820
Mzz <daNm/m>	1	SLU	-79	-6339210	1	SLU	-99	5471980	**Mxz <daNm/m>**	1	SLU	-92	-5742790	1	SLU	-72	5673880
τ_{zy} <daN/mq>	1	SLU	-61	-209661	1	SLU	-99	332283	**τ_{xy} <daN/mq>**	1	SLU	-99	-349381	1	SLU	-100	340584

Criteri di progetto utilizzati

Sezioni generiche

Generali	
Stampe	
Tipo di relazione	Estesa

Specifici	3	4
Materiali		
-Considera come elemento esistente	No	No
-Calcestruzzo		
-Livello di conoscenza	LC2	LC2
-Fattore di confidenza	1.20	1.20
-Tipo di calcestruzzo	C40/50	C28/35
-Rck calcestruzzo	500.00	350.00
-Modulo elastico <daN/cmq>	355471.00	325881.00
-Resistenza caratteristica cilindrica (Fck)	415.00	290.50
-Resistenza caratteristica a trazione (Fctk)	25.17	19.84
-Resistenza media (Fcm) <daN/cmq>	495.00	370.50
-Resistenza media a trazione (Fctm) <daN/cmq>	35.96	28.35
-σ amm. calcestruzzo <daN/cmq>	147.50	110.00
-τc0 <daN/cmq>	8.70	6.70
-τc1 <daN/cmq>	24.00	19.70
-Riduci Fcd per tutte le verifiche secondo il D.M. 18	Si	Si
-γ_C per stati limite ultimi		
-Automatico	x	x
-Pari a		
-Acciaio		
-Livello di conoscenza	LC2	LC2
-Fattore di confidenza	1.20	1.20
-Tipo di acciaio	B450C	B450C
-Modulo elastico <daN/cmq>	2060000.00	2060000.00
-Tensione caratteristica di snervamento (Fyk) <daN/cmq>	4500.00	4500.00
-Tensione media di snervamento (Fym) <daN/cmq>	4500.00	4500.00
-Sigma amm. acciaio <daN/cmq>	2600.00	2600.00
-Sigma amm. reti e tralicci <daN/cmq>	2600.00	2600.00
-Allungamento per verifiche di duttilità (Agt) <%>	4.00	4.00
-γ_S per stati limite ultimi		
-Automatico	x	x
-Pari a		
-Coeff. di omogeneizzazione	15.00	15.00
Parametri per analisi pushover		
Numero fibre	200.00	200.00
Fattore di confinamento nucleo interno	1.00	1.00
Fattore di incrudimento acciaio <%>	0.10	0.10
Posizione barre e normativa		
Copriferro reale al bordo staffa <cm>	2.50	2.50
Diametro staffa teorica <mm>	8.00	8.00
Distanza fra ferri su più strati <cm>	1.00	1.00
Verifica con barre in posizione teorica	Si	Si
-Copriferro <cm>	3.00	3.00

Normativa di riferimento		
-Relativa alle travi		
-Relativa ai pilastri		
-Relativa solo al controllo sulle tensioni	x	x
Elemento dissipativo	No	No
Verifiche secondo Circ. 65 del 10/04/97	No	No
Verifiche e sollecitazioni		
Passo di verifica <m>	0.50	0.50
Integrare lo scorrimento lungo il tratto	Si	Si
-Lunghezza del tratto <m>	1.00	1.00
Verifiche a pressoflessione	Si	Si
Verifiche a flessione/pressoflessione retta	No	No
-Considera My		
-Considera Mz		
-Considera My e Mz		
Verifiche di stabilità in direzione Z locale	No	No
-Coeff. Ωb		
Integrare lo scorrimento lungo il tratto	No	No
-Coeff. β		
Tipo verifica di stabilità		
-Per N*Ω-M e per N-c*M (standard)	Si	Si
-Per N*Ω-c*M (doppia)	No	No
-Per N*Ω (sforzo normale e momento nullo)	No	No
-Per c*M (momento e sforzo normale nullo)	No	No
Verifiche a taglio		
Modalità di calcolo Vrdu		
-Considera Vrdu minimo		
-Considera Vrdu calcolato in corrispondenza di bw minimo		
-Considera Vrdu in corrispondenza di bw medio	x	x
-Considera Vrdu in corrispondenza di bw massimo		
-Considera sempre Af Staffe non proiettata in direzione del taglio	Si	Si
-Verifica a taglio con traliccio ad inclinazione variabile	Si	Si
-Limita ctg θ a	2.50	2.50
Dati per progettazione agli stati limite		
Condizioni ambientali		
-Ordinarie	x	x
-Aggressive		
-Molto aggressive		
Usa dominio N-M per flessioni rette	No	No
-Ricerca della sicurezza con sforzo normale costante		
-Ricerca della sicurezza con eccentricità costante		
Controllo rapporto X/D	No	No
Classificazione barre tese/compresse		
-Solo le barre con deformazione percentuale rispetto		
alla barra più tesa/compressa non inferiore a <%>	30.00	30.00
-In funzione della deformazione		
Dati per verifiche di resistenza al fuoco		
-Tempo di verifica (REI) <minuti>	120.00	120.00
Dimensione MESH <cm>	2.00	2.00
-Passo di calcolo <secondi>	10.00	10.00
-Temperatura ambiente <C°>	20.00	20.00
-Coeff. di convezione a temperatura ambiente <W/mq K>	9.00	9.00
-Tipo di aggregati	SILICEI	SILICEI
-Massa volumica iniziale <kg/mc>	2300.00	2300.00
-Umidità iniziale <%>	3.00	3.00
-Fattore di interpolazione conducibilità	0.50	0.50

Plinti/Pali

Generali	
Parametri di progetto	
Progettazione e verifica dell'armatura con sollecitazioni più gravose	Si
Parametri di disegno	
Scala disegno plinti	25.00
Disegno ancoraggi non necessari	Si
Copriferro per calcolo lunghezze ferri plinto <cm>	3.00
Copriferro per calcolo lunghezze ferri bicchiere <cm>	2.00
Calcolo lunghezza ferri semplificato	Si
Diametro per calcolo lunghezze ferri plinto <mm>	10.00
Diametro per calcolo lunghezze ferri bicchiere <mm>	10.00

Stampe	
Tipo di relazione	Estesa

Specifici	**3**
Materiali	
-Considera come elemento esistente	No
-Calcestruzzo	
-Livello di conoscenza	LC2
-Fattore di confidenza	1.20
-Tipo di calcestruzzo	C30/37
-Rck calcestruzzo	370.00
-Modulo elastico <daN/cmq>	330194.00
-Resistenza caratteristica cilindrica (Fck)	307.10
-Resistenza caratteristica a trazione (Fctk)	20.59
-Resistenza media (Fcm) <daN/cmq>	387.10
-Resistenza media a trazione (Fctm) <daN/cmq>	29.42
-σ amm. calcestruzzo <daN/cmq>	115.00
-τc0 <daN/cmq>	6.90
-τc1 <daN/cmq>	20.30
-Riduci Fcd per tutte le verifiche secondo il D.M. 18	Si
-γ_C per stati limite ultimi	
-Automatico	x
-Pari a	
-Acciaio	
-Livello di conoscenza	LC2
-Fattore di confidenza	1.20
-Tipo di acciaio	B450C
-Modulo elastico <daN/cmq>	2060000.00
-Tensione caratteristica di snervamento (Fyk) <daN/cmq>	4500.00
-Tensione media di snervamento (Fym) <daN/cmq>	4500.00
-Sigma amm. acciaio <daN/cmq>	2600.00
-Sigma amm. reti e tralicci <daN/cmq>	2600.00
-Allungamento per verifiche di duttilità (Agt) <%>	4.00
-γ_S per stati limite ultimi	
-Automatico	x
-Pari a	
-Coeff. di omogeneizzazione	15.00
Parametri di calcolo	
Copriferro teorico di calcolo <cm>	4.00
Angolo limite plinti snelli/tozzi <grad>	30.00
Considerare snelli plinti ambigui	Si
Peso specifico calcestruzzo plinto <daN/mc>	2500.00
Sovraccarichi agenti sul plinto <daN/mq>	0.00
Sollecitazioni dissipative amplificate	Si
Detrazione peso proprio e sovraccarichi	Si
Calcolo momenti con metodo dei trapezi	Si
Sezione verifica plinti a bicchiere	
-A filo parete	x
-In asse alla parete	
Raffittimento armatura zona centrale	No
Armatura base	
Elenco diametri utilizzabili 1 <mm>	20
Elenco diametri utilizzabili 2 <mm>	
Elenco diametri utilizzabili 3 <mm>	
Elenco diametri utilizzabili 4 <mm>	
Elenco diametri utilizzabili 5 <mm>	
Elenco diametri utilizzabili 6 <mm>	
Elenco diametri utilizzabili 7 <mm>	
Passi utilizzabili	
-Minimo <cm>	5.00
-Massimo <cm>	25.00
-Incremento <cm>	2.00
Elemento costante	
-Diametro	x
-Passo	
Tipo di ottimizzazione armatura	
-Minimizza il peso complessivo dei ferri	
-Minimizza il numero dei ferri	x
Lunghezza risvolto ferri inferiori	
-Pari a <cm>	
-Come percentuale dell'altezza del plinto <%>	50.00
Min. armatura superiore	Si
Diametro staffoni di montaggio <mm>	10.00
Staffoni orizzontali di montaggio	Si

-Max distanza <cm>	60.00
Staffoni verticali di montaggio	Si
-Max distanza <cm>	20.00
Lunghezza risvolto staffoni orizzontali	
-Pari a <cm>	
-Come percentuale del lato del plinto <%>	20.00
-Unico ferro lungo il perimetro del plinto	
Armatura a punzonamento	
Elenco diametri utilizzabili 1 <mm>	20
Elenco diametri utilizzabili 2 <mm>	
Elenco diametri utilizzabili 3 <mm>	
Elenco diametri utilizzabili 4 <mm>	
Elenco diametri utilizzabili 5 <mm>	
Elenco diametri utilizzabili 6 <mm>	
Elenco diametri utilizzabili 7 <mm>	
Passi utilizzabili	
-Minimo <cm>	5.00
-Massimo <cm>	15.00
-Incremento <cm>	2.00
Allargamento piastra pilastri in acciaio <cm>	5.00
Distanza dal bordo libero (D.M. 92/96)	
-Distanza imposta a <cm>	
-Distanza come un moltiplicatore dello spessore del plinto	0.50
Moltiplicatore altezza utile per valutare perimetro efficace (D.M. 08)	2.00
Collaborazione pilastro-bicchiere	
Valutata sulla superficie di contatto fra pilastro e bicchiere	Si
-Valutata come moltiplicatore del valore della resistenza	x
a trazione del plinto	
Plinti poligonali su pali	
Rete elettrosaldata inferiore	Si
-Diametro <mm>	8.00
-Passo <cm>	20.00
Rete elettrosaldata superiore	Si
-Diametro <mm>	8.00
-Passo <cm>	20.00
Distanziatori	Si
-Diametro <mm>	6.00
-Dimensioni <cm>	10.00
-Numero	4.00
Materiali bicchiere	
-Considera come elemento esistente	No
-Calcestruzzo	
-Livello di conoscenza	LC2
-Fattore di confidenza	1.20
-Tipo di calcestruzzo	C28/35
-Rck calcestruzzo	350.00
-Modulo elastico <daN/cmq>	325881.00
-Resistenza caratteristica cilindrica (Fck)	290.50
-Resistenza caratteristica a trazione (Fctk)	19.84
-Resistenza media (Fcm) <daN/cmq>	370.50
-Resistenza media a trazione (Fctm) <daN/cmq>	28.35
-σ amm. calcestruzzo <daN/cmq>	110.00
-τc0 <daN/cmq>	6.70
-τc1 <daN/cmq>	19.70
-Riduci Fcd per tutte le verifiche secondo il D.M. 18	No
-γ_C per stati limite ultimi	
-Automatico	x
-Pari a	
-Acciaio	
-Livello di conoscenza	LC2
-Fattore di confidenza	1.20
-Tipo di acciaio	B450C
-Modulo elastico <daN/cmq>	2060000.00
-Tensione caratteristica di snervamento (Fyk) <daN/cmq>	4300.00
-Tensione media di snervamento (Fym) <daN/cmq>	4300.00
-Sigma amm. acciaio <daN/cmq>	2600.00
-Sigma amm. reti e tralicci <daN/cmq>	2600.00
-Allungamento per verifiche di duttilità (Agt) <%>	4.00
-γ_S per stati limite ultimi	
-Automatico	x
-Pari a	
-Coeff. di omogeneizzazione	15.00
Armatura bicchiere	

Copriferro teorico <cm>	3.00
Bicchiere con pareti organizzate	No
Rck calcestruzzo di riempimento <daN/cmq>	300.00
Resistenza teorica a trazione del calcestruzzo di riempimento <daN/cmq>	18.10
Denominatore momento flettente parete	16.00
Elenco diametri utilizzabili 1 <mm>	10
Elenco diametri utilizzabili 2 <mm>	12
Elenco diametri utilizzabili 3 <mm>	14
Elenco diametri utilizzabili 4 <mm>	16
Elenco diametri utilizzabili 5 <mm>	18
Elenco diametri utilizzabili 6 <mm>	
Elenco diametri utilizzabili 7 <mm>	
Passi utilizzabili	
-Minimo <cm>	5.00
-Massimo <cm>	15.00
-Incremento <cm>	2.00
Tipo di ottimizzazione armatura	
-Minimizza il peso complessivo dei ferri	
-Minimizza il numero dei ferri	x
Ferri orizzontali aggiuntivi nel fondo bicchiere	Si
-Distanza <cm>	15.00
Ferri verticali internamente al bicchiere	Si
-Max distanza <cm>	10.00
Dati per progettazione agli stati limite	
Condizioni ambientali	
-Ordinarie	
-Aggressive	x
-Molto aggressive	
Materiali palo	
-Considera come elemento esistente	No
-Calcestruzzo	
-Livello di conoscenza	LC2
-Fattore di confidenza	1.20
-Tipo di calcestruzzo	C30/37
-Rck calcestruzzo	370.00
-Modulo elastico <daN/cmq>	330194.00
-Resistenza caratteristica cilindrica (Fck)	307.10
-Resistenza caratteristica a trazione (Fctk)	20.59
-Resistenza media (Fcm) <daN/cmq>	387.10
-Resistenza media a trazione (Fctm) <daN/cmq>	29.42
-σ amm. calcestruzzo <daN/cmq>	115.00
-τc0 <daN/cmq>	6.90
-τc1 <daN/cmq>	20.30
-Riduci Fcd per tutte le verifiche secondo il D.M. 18	No
-γ_C per stati limite ultimi	
-Automatico	x
-Pari a	
-Acciaio	
-Livello di conoscenza	LC2
-Fattore di confidenza	1.20
-Tipo di acciaio	B450C
-Modulo elastico <daN/cmq>	2060000.00
-Tensione caratteristica di snervamento (Fyk) <daN/cmq>	4300.00
-Tensione media di snervamento (Fym) <daN/cmq>	4300.00
-Sigma amm. acciaio <daN/cmq>	2600.00
-Sigma amm. reti e tralicci <daN/cmq>	2600.00
-Allungamento per verifiche di duttilità (Agt) <%>	4.00
-γ_S per stati limite ultimi	
-Automatico	x
-Pari a	
-Coeff. di omogeneizzazione	15.00
Armatura a pressoflessione pali	
Considera momenti da interazione cinematica	No
Elenco diametri ferri longitudinali 1 <mm>	20
Elenco diametri ferri longitudinali 2 <mm>	
Elenco diametri ferri longitudinali 3 <mm>	
Elenco diametri ferri longitudinali 4 <mm>	
Elenco diametri ferri longitudinali 5 <mm>	
Elenco diametri ferri longitudinali 6 <mm>	
Elenco diametri ferri longitudinali 7 <mm>	
Copriferro reale al bordo staffa <cm>	4.00
Diametro staffa teorica <mm>	12.00
Max distanza fra i ferri <cm>	25.00
Min. interferro ammissibile <cm>	5.00

Min. numero ferri	25.00
Alleggerimento ferri longitudinali	No
-Alla quota indicata <cm>	
-Come percentuale della lunghezza del palo	0.00
-Min. ferri rimanenti dopo alleggerimento	x
-Pari a	0.00
-Percentuale dell'armatura di testa del palo	
Armatura a taglio pali	
Elenco diametri staffe 1 <mm>	0.00
Elenco diametri staffe 2 <mm>	x
Elenco diametri staffe 3 <mm>	50.00
Elenco diametri staffe 4 <mm>	
Elenco diametri staffe 5 <mm>	12
Elenco diametri staffe 6 <mm>	
Elenco diametri staffe 7 <mm>	
Passi staffe	
-Minimo <cm>	
-Massimo <cm>	
-Incremento <cm>	
Tipo di minimizzazione staffatura	
-Minimizza il numero delle staffe	5.00
-Minimizza il peso delle staffe	20.00
Staffatura a spirale	5.00
Verifiche a taglio per sezioni circolari	
-Usa formulazione sezioni generiche	
-Considera rettangolo inscritto con B/H pari a	x
Verifiche a taglio per sezioni generiche	Si
-Considera Vrdu minimo	
-Considera Vrdu calcolato in corrispondenza di bw minimo	
-Considera Vrdu in corrispondenza di bw medio	1.00
-Considera Vrdu in corrispondenza di bw massimo	
-Considera sempre Af Staffe non proiettata in direzione del taglio	
Classificazione barre tese/compresse	
-Solo le barre con deformazione percentuale rispetto	x
alla barra più tesa/compressa non inferiore a <%>	
-In funzione della deformazione	Si
Capacità portante	
Efficienza	
-Pari a	
-Automatica	x

Verifiche e armature plinti/pali

Simbologia
Az = Azioni ed effetti sul plinto/palo
RVN = Reazioni vincolari agenti
TAG = Effetti dovuti ai tagli
ECC = Effetti dovuti all'eccentricità
PP = Effetti dovuti al peso proprio
SVR = Effetti dovuti ai sovraccarichi e al peso del terreno
TOT = Azioni totali di calcolo
CC = Numero della combinazione delle condizioni di carico elementari
Caso = Caso di verifica
Cf = Copriferro
Cls = Tipo di calcestruzzo
Fcd = Resistenza di calcolo a compressione del calcestruzzo
Fck = Resistenza caratteristica cilindrica a compressione del calcestruzzo
Fctd = Resistenza di calcolo a trazione del calcestruzzo
Fctk = Resistenza caratteristica a trazione del calcestruzzo
Fyd = Resistenza di calcolo dell'acciaio
Fyk = Tensione caratteristica di snervamento dell'acciaio
Mx = Momento intorno all'asse X
My = Momento intorno all'asse Y
Mz = Momento intorno all'asse Z
N = Sforzo normale
Palo = Numero del palo
R = Raggio
TCC = Tipo di combinazione di carico
SLU = Stato limite ultimo
SLE R = Stato limite d'esercizio, combinazione rara
SLE F = Stato limite d'esercizio, combinazione frequente
SLE Q = Stato limite d'esercizio, combinazione quasi permanente
Tp = Tipo di acciaio
Tx = Taglio in dir. X
Ty = Taglio in dir. Y

Palo n. 1

Caratteristiche del palo e dei materiali utilizzati

R <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
60.00	6.00	C30/37	307.10	20.59	174.02	13.73	B450C	4300.00	3913.04

Le sollecitazioni nei pali vengono calcolate oltre che per l'effetto delle reazioni vincolari anche considerando i seguenti effetti

Azioni ed effetti comuni

Az	N <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
PP	0.00	0.00	0.00	
SVR	0.00			

Azioni ed effetti - Plinto/Palo n. 1 (-40)

Caso	CC	TCC	Az	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	RVN	155666.00	7180.25	-825.57	53823.90	-17297.80
	1	SLU	TAG				0.00	0.00
	1	SLU	ECC				0.00	0.00
	1	SLU	TOT	155666.00	7180.25	-825.57	53823.90	-17297.80
2	2	SLE R	RVN	115308.00	5318.71	-611.53	39869.60	-12813.20
	2	SLE R	TAG				0.00	0.00
	2	SLE R	ECC				0.00	0.00
	2	SLE R	TOT	115308.00	5318.71	-611.53	39869.60	-12813.20
3	3	SLE F	RVN	115308.00	5318.71	-611.53	39869.60	-12813.20
	3	SLE F	TAG				0.00	0.00
	3	SLE F	ECC				0.00	0.00
	3	SLE F	TOT	115308.00	5318.71	-611.53	39869.60	-12813.20
4	4	SLE Q	RVN	115308.00	5318.71	-611.53	39869.60	-12813.20
	4	SLE Q	TAG				0.00	0.00
	4	SLE Q	ECC				0.00	0.00
	4	SLE Q	TOT	115308.00	5318.71	-611.53	39869.60	-12813.20

Sollecitazioni nei pali

Caso	CC	TCC	Palo	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	1	-155666.00	-7180.25	825.57	-53823.90	17297.80
2	2	SLE R	1	-115308.00	-5318.71	611.53	-39869.60	12813.20
3	3	SLE F	1	-115308.00	-5318.71	611.53	-39869.60	12813.20
4	4	SLE Q	1	-115308.00	-5318.71	611.53	-39869.60	12813.20

Da 0 a -25

Stato limite ultimo - Verifiche a flessione/pressoflessione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	Rott.	α <grad>	Sic.
1	0.00	1	SLU	-155666.00	53262.30	17117.30	-155666.00	198764.00	62841.00	2-3	162.50	3.726
2	0.00	1	SLU	-155666.00	53262.30	17117.30	-155666.00	198764.00	62841.00	2-3	162.50	3.726
3	59.52	1	SLU	-155342.00	55794.30	17931.00	-155342.00	198651.00	62804.80	2-3	162.50	3.555
4	59.52	1	SLU	-154733.00	55794.30	17931.00	-154733.00	198439.00	62736.90	2-3	162.50	3.551
5	119.05	1	SLU	-152539.00	55689.90	17897.40	-152539.00	197673.00	62492.10	2-3	162.50	3.544
6	119.05	1	SLU	-151204.00	55689.90	17897.40	-151204.00	197207.00	62343.20	2-3	162.50	3.536
7	178.57	1	SLU	-149265.00	53613.20	17230.00	-149265.00	196527.00	62125.60	2-3	162.50	3.660
8	178.57	1	SLU	-147694.00	53613.20	17230.00	-147694.00	195974.00	61948.90	2-3	162.50	3.650
9	238.09	1	SLU	-145740.00	50133.10	16111.60	-145740.00	195287.00	61729.20	2-3	162.50	3.889
10	238.09	1	SLU	-144203.00	50133.10	16111.60	-144203.00	194746.00	61556.20	2-3	162.50	3.879
11	297.62	1	SLU	-142234.00	45726.00	14695.30	-142234.00	194052.00	61334.60	2-3	162.50	4.237
12	297.62	1	SLU	-140730.00	45726.00	14695.30	-140730.00	193521.00	61164.80	2-3	162.50	4.226
13	357.14	1	SLU	-138745.00	40782.40	13106.50	-138745.00	192818.00	60939.80	2-3	162.50	4.721
14	357.14	1	SLU	-137275.00	40782.40	13106.50	-137275.00	192295.00	60764.60	2-3	162.50	4.708
15	416.67	1	SLU	-135275.00	35614.00	11445.50	-135275.00	191585.00	60525.20	2-3	162.50	5.371
16	416.67	1	SLU	-133837.00	35614.00	11445.50	-133837.00	191074.00	60353.10	2-3	162.50	5.357
17	476.19	1	SLU	-131821.00	30462.60	9789.98	-131821.00	190357.00	60111.50	2-3	162.50	6.239
18	476.19	1	SLU	-130416.00	30462.60	9789.98	-130416.00	189854.00	59941.60	2-3	162.50	6.222
19	535.71	1	SLU	-128385.00	25508.90	8197.97	-128385.00	189127.00	59696.10	2-3	162.50	7.402
20	535.71	1	SLU	-127012.00	25508.90	8197.97	-127012.00	188635.00	59530.20	2-3	162.50	7.383
21	595.24	1	SLU	-124964.00	20881.10	6710.70	-124964.00	187902.00	59282.80	2-3	162.50	8.983
22	595.24	1	SLU	-123624.00	20881.10	6710.70	-123624.00	187422.00	59120.80	2-3	162.50	8.960
23	654.76	1	SLU	-121560.00	16663.60	5355.28	-121560.00	186680.00	58870.10	2-3	162.50	11.183
24	654.76	1	SLU	-120252.00	16663.60	5355.28	-120252.00	186207.00	58712.40	2-3	162.50	11.155
25	714.29	1	SLU	-118171.00	12904.90	4147.34	-118171.00	185448.00	58469.20	2-3	162.50	14.345
26	714.29	1	SLU	-116895.00	12904.90	4147.34	-116895.00	184982.00	58320.10	2-3	162.50	14.309
27	773.81	1	SLU	-114796.00	9625.07	3093.27	-114796.00	184217.00	58074.80	2-3	162.50	19.105
28	773.81	1	SLU	-113552.00	9625.07	3093.27	-113552.00	183763.00	57929.30	2-3	162.50	19.058
29	833.33	1	SLU	-111437.00	6821.77	2192.36	-2571250.00	182987.00	57680.60	2-3	162.50	23.074

30	833.33	1	SLU	-110225.00	6821.77	2192.36	-2571250.00	182542.00	57537.80	2-3	162.50	23.327
31	892.86	1	SLU	-108091.00	4476.25	1438.56	-2571250.00	181758.00	57286.40	2-3	162.50	23.788
32	892.86	1	SLU	-106911.00	4476.25	1438.56	-2571250.00	181324.00	57147.30	2-3	162.50	24.050
33	952.38	1	SLU	-104760.00	2558.02	822.09	-2571250.00	180533.00	56893.80	2-3	162.50	24.544
34	952.38	1	SLU	-103610.00	2558.02	822.09	-2571250.00	180111.00	56758.30	2-3	162.50	24.817
35	1011.90	1	SLU	-101441.00	1028.89	330.66	-2571250.00	179309.00	56501.00	2-3	162.50	25.347
36	1011.90	1	SLU	-100323.00	1028.89	330.66	-2571250.00	178895.00	56368.20	2-3	162.50	25.630
37	1071.43	1	SLU	-98135.90	-153.70	-49.39	-2571250.00	-178358.00	-56302.00	2-3	342.50	26.201
38	1071.43	1	SLU	-97049.00	-153.70	-49.39	-2571250.00	-177949.00	-56213.60	2-3	342.50	26.494
39	1130.95	1	SLU	-94842.80	-1034.09	-332.33	-2571250.00	-177119.00	-56033.70	2-3	342.50	27.111
40	1130.95	1	SLU	-93787.00	-1034.09	-332.33	-2571250.00	-176721.00	-55910.50	2-3	342.50	27.416
41	1190.48	1	SLU	-91561.80	-1656.34	-532.31	-2571250.00	-175882.00	-55643.00	2-3	342.50	28.082
42	1190.48	1	SLU	-90536.90	-1656.34	-532.31	-2571250.00	-175496.00	-55519.50	2-3	342.50	28.400
43	1250.00	1	SLU	-88292.40	-2062.75	-662.92	-2571250.00	-174643.00	-55247.30	2-3	342.50	29.122
44	1250.00	1	SLU	-87298.30	-2062.75	-662.92	-2571250.00	-174266.00	-55126.60	2-3	342.50	29.454
45	1309.52	1	SLU	-85034.30	-2292.76	-736.84	-2571250.00	-173406.00	-54851.80	2-3	342.50	30.238
46	1309.52	1	SLU	-84070.70	-2292.76	-736.84	-2571250.00	-173041.00	-54735.30	2-3	342.50	30.584
47	1369.05	1	SLU	-81786.90	-2382.26	-765.60	-2571250.00	-172172.00	-54457.70	2-3	342.50	31.438
48	1369.05	1	SLU	-80853.90	-2382.26	-765.60	-2571250.00	-171815.00	-54343.50	2-3	342.50	31.801
49	1428.57	1	SLU	-78549.90	-2363.18	-759.47	-2571250.00	-170933.00	-54061.40	2-3	342.50	32.734
50	1428.57	1	SLU	-77647.30	-2363.18	-759.47	-2571250.00	-170588.00	-53950.90	2-3	342.50	33.114
51	1488.10	1	SLU	-75322.90	-2263.40	-727.40	-2571250.00	-169697.00	-53666.30	2-3	342.50	34.136
52	1488.10	1	SLU	-74450.50	-2263.40	-727.40	-2571250.00	-169363.00	-53559.40	2-3	342.50	34.536
53	1547.62	1	SLU	-72105.40	-2106.70	-677.04	-2571250.00	-168463.00	-53271.50	2-3	342.50	35.660
54	1547.62	1	SLU	-71263.20	-2106.70	-677.04	-2571250.00	-168138.00	-53167.50	2-3	342.50	36.081
55	1607.14	1	SLU	-68897.10	-1912.96	-614.78	-2571250.00	-167226.00	-52875.20	2-3	342.50	37.320
56	1607.14	1	SLU	-68085.00	-1912.96	-614.78	-2571250.00	-166912.00	-52774.90	2-3	342.50	37.765
57	1666.67	1	SLU	-65697.60	-1698.48	-545.85	-2571250.00	-165991.00	-52480.00	2-3	342.50	39.138
58	1666.67	1	SLU	-64915.40	-1698.48	-545.85	-2571250.00	-165689.00	-52383.30	2-3	342.50	39.609
59	1726.19	1	SLU	-62506.40	-1476.23	-474.43	-2571250.00	-164755.00	-52084.30	2-3	342.50	41.136
60	1726.19	1	SLU	-61754.00	-1476.23	-474.43	-2571250.00	-164463.00	-51990.60	2-3	342.50	41.637
61	1785.71	1	SLU	-59323.10	-1256.27	-403.74	-2571250.00	-163518.00	-51687.80	2-3	342.50	43.343
62	1785.71	1	SLU	-58600.50	-1256.27	-403.74	-2571250.00	-163237.00	-51597.80	2-3	342.50	43.878
63	1845.24	1	SLU	-56147.40	-1046.12	-336.20	-2571250.00	-162283.00	-51292.10	2-3	342.50	45.795
64	1845.24	1	SLU	-55454.40	-1046.12	-336.20	-2571250.00	-162014.00	-51205.70	2-3	342.50	46.367
65	1904.76	1	SLU	-52978.80	-851.16	-273.54	-2571250.00	-161046.00	-50895.30	2-3	342.50	48.534
66	1904.76	1	SLU	-52315.40	-851.16	-273.54	-2571250.00	-160787.00	-50812.00	2-3	342.50	49.149
67	1964.29	1	SLU	-49816.90	-674.93	-216.91	-2571250.00	-159809.00	-50498.30	2-3	342.50	51.614
68	1964.29	1	SLU	-49183.00	-674.93	-216.91	-2571250.00	-159561.00	-50418.70	2-3	342.50	52.279
69	2023.81	1	SLU	-46661.30	-519.53	-166.96	-2571250.00	-158573.00	-50101.90	2-3	342.50	55.105
70	2023.81	1	SLU	-46056.90	-519.53	-166.96	-2571250.00	-158336.00	-50025.90	2-3	342.50	55.828
71	2083.33	1	SLU	-43511.70	-385.89	-124.02	-2571250.00	-157334.00	-49703.80	2-3	342.50	59.093
72	2083.33	1	SLU	-42936.60	-385.89	-124.02	-2571250.00	-157107.00	-49631.10	2-3	342.50	59.885
73	2142.86	1	SLU	-40367.60	-274.05	-88.07	-2571250.00	-156094.00	-49305.90	2-3	342.50	63.696
74	2142.86	1	SLU	-39821.70	-274.05	-88.07	-2571250.00	-155879.00	-49236.80	2-3	342.50	64.569
75	2202.38	1	SLU	-37228.60	-183.38	-58.93	-2571250.00	-154856.00	-48908.40	2-3	342.50	69.067
76	2202.38	1	SLU	-36711.90	-183.38	-58.93	-2571250.00	-154652.00	-48842.60	2-3	342.50	70.038
77	2261.90	1	SLU	-34094.30	-112.76	-36.24	-2571250.00	-153614.00	-48508.90	2-3	342.50	75.416
78	2261.90	1	SLU	-33606.80	-112.76	-36.24	-2571250.00	-153421.00	-48446.70	2-3	342.50	76.510
79	2321.43	1	SLU	-30964.40	-60.79	-19.54	-2571250.00	-152372.00	-48109.70	2-3	342.50	83.039
80	2321.43	1	SLU	-30505.90	-60.79	-19.54	-2571250.00	-152190.00	-48051.20	2-3	342.50	84.287
81	2380.95	1	SLU	-27838.40	-25.83	-8.30	-2571250.00	-151131.00	-47710.60	2-3	342.50	92.364
82	2380.95	1	SLU	-27408.90	-25.83	-8.30	-2571250.00	-150960.00	-47655.50	2-3	342.50	93.811
83	2440.48	1	SLU	-24715.90	-6.16	-1.98	-2571250.00	-149885.00	-47309.70	2-3	342.50	>100
84	2440.48	1	SLU	-24315.40	-6.16	-1.98	-2571250.00	-149726.00	-47258.30	2-3	342.50	>100
85	2500.00	1	SLU	-21596.60	0.00	0.00	-2571250.00					>100
86	2500.00	1	SLU	-21225.00	0.00	0.00	-2571250.00					>100

Stato limite ultimo - Verifiche a taglio

Caso	X <cm>	CC	TCC	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1	0.00	1	SLU	7180.25	-825.57	0.85	11.31	7227.56	1.00	32294.70	353966.00	32294.70	4.468
2	0.00	1	SLU	7180.25	-825.57	0.85	11.31	7227.56	1.00	32294.70	353966.00	32294.70	4.468
3	59.52	1	SLU	1919.62	-220.71	0.85	11.31	1932.26	1.00	32294.70	353919.00	32294.70	16.713
4	59.52	1	SLU	1919.62	-220.71	0.85	11.31	1932.26	1.00	32294.70	353832.00	32294.70	16.713
5	119.05	1	SLU	-2091.83	240.51	0.85	11.31	2105.62	1.00	32294.70	353518.00	32294.70	15.337
6	119.05	1	SLU	-2091.83	240.51	0.85	11.31	2105.62	1.00	32294.70	353326.00	32294.70	15.337
7	178.57	1	SLU	-5023.14	577.55	0.85	11.31	5056.24	1.00	32294.70	353049.00	32294.70	6.387
8	178.57	1	SLU	-5023.14	577.55	0.85	11.31	5056.24	1.00	32294.70	352824.00	32294.70	6.387
9	238.09	1	SLU	-7039.76	809.41	0.85	11.31	7086.14	1.00	32294.70	352544.00	32294.70	4.557
10	238.09	1	SLU	-7039.76	809.41	0.85	11.31	7086.14	1.00	32294.70	352324.00	32294.70	4.557
11	297.62	1	SLU	-8298.48	954.14	0.85	11.31	8353.16	1.00	32294.70	352042.00	32294.70	3.866
12	297.62	1	SLU	-8298.48	954.14	0.85	11.31	8353.16	1.00	32294.70	351826.00	32294.70	3.866
13	357.14	1	SLU	-8944.05	1028.36	0.85	11.31	9002.97	1.00	32294.70	351542.00	32294.70	3.587
14	357.14	1	SLU	-8944.05	1028.36	0.85	11.31	9002.97	1.00	32294.70	351331.00	32294.70	3.587
15	416.67	1	SLU	-9106.91	1047.09	0.85	11.31	9166.91	1.00	32294.70	351045.00	32294.70	3.523
16	416.67	1	SLU	-9106.91	1047.09	0.85	11.31	9166.91	1.00	32294.70	350839.00	32294.70	3.523

17	476.19	1	SLU	-8902.16	1023.55	0.85	11.31	8960.81	1.00	32294.70	350550.00	32294.70	3.604
18	476.19	1	SLU	-8902.16	1023.55	0.85	11.31	8960.81	1.00	32294.70	350349.00	32294.70	3.604
19	535.71	1	SLU	-8429.26	969.17	0.85	11.31	8484.79	1.00	32294.70	350058.00	32294.70	3.806
20	535.71	1	SLU	-8429.26	969.17	0.85	11.31	8484.79	1.00	32294.70	349861.00	32294.70	3.806
21	595.24	1	SLU	-7772.34	893.64	0.85	11.31	7823.55	1.00	32294.70	349568.00	32294.70	4.128
22	595.24	1	SLU	-7772.34	893.64	0.85	11.31	7823.55	1.00	32294.70	349376.00	32294.70	4.128
23	654.76	1	SLU	-7001.08	804.97	0.85	11.31	7047.21	1.00	32294.70	349080.00	32294.70	4.583
24	654.76	1	SLU	-7001.08	804.97	0.85	11.31	7047.21	1.00	32294.70	348893.00	32294.70	4.583
25	714.29	1	SLU	-6171.81	709.62	0.85	11.31	6212.47	1.00	32294.70	348595.00	32294.70	5.198
26	714.29	1	SLU	-6171.81	709.62	0.85	11.31	6212.47	1.00	32294.70	348412.00	32294.70	5.198
27	773.81	1	SLU	-5328.79	612.69	0.85	11.31	5363.90	1.00	32294.70	348111.00	32294.70	6.021
28	773.81	1	SLU	-5328.79	612.69	0.85	11.31	5363.90	1.00	32294.70	347933.00	32294.70	6.021
29	833.33	1	SLU	-4505.73	518.06	0.85	11.31	4535.41	1.00	32294.70	347630.00	32294.70	7.121
30	833.33	1	SLU	-4505.73	518.06	0.85	11.31	4535.41	1.00	32294.70	347457.00	32294.70	7.121
31	892.86	1	SLU	-3727.13	428.54	0.85	11.31	3751.69	1.00	32294.70	347151.00	32294.70	8.608
32	892.86	1	SLU	-3727.13	428.54	0.85	11.31	3751.69	1.00	32294.70	346982.00	32294.70	8.608
33	952.38	1	SLU	-3009.80	346.06	0.85	11.31	3029.63	1.00	32294.70	346674.00	32294.70	10.660
34	952.38	1	SLU	-3009.80	346.06	0.85	11.31	3029.63	1.00	32294.70	346509.00	32294.70	10.660
35	1011.90	1	SLU	-2364.11	271.82	0.85	11.31	2379.69	1.00	32294.70	346199.00	32294.70	13.571
36	1011.90	1	SLU	-2364.11	271.82	0.85	11.31	2379.69	1.00	32294.70	346038.00	32294.70	13.571
37	1071.43	1	SLU	-1795.28	206.42	0.85	11.31	1807.11	1.00	32294.70	345725.00	32294.70	17.871
38	1071.43	1	SLU	-1795.28	206.42	0.85	11.31	1807.11	1.00	32294.70	345569.00	32294.70	17.871
39	1130.95	1	SLU	-1304.45	149.98	0.85	11.31	1313.04	1.00	32294.70	345253.00	32294.70	24.595
40	1130.95	1	SLU	-1304.45	149.98	0.85	11.31	1313.04	1.00	32294.70	345102.00	32294.70	24.595
41	1190.48	1	SLU	-889.69	102.29	0.85	11.31	895.55	1.00	32294.70	344783.00	32294.70	36.062
42	1190.48	1	SLU	-889.69	102.29	0.85	11.31	895.55	1.00	32294.70	344637.00	32294.70	36.062
43	1250.00	1	SLU	-546.82	62.87	0.85	11.31	550.42	1.00	32294.70	344315.00	32294.70	58.673
44	1250.00	1	SLU	-546.82	62.87	0.85	11.31	550.42	1.00	32294.70	344173.00	32294.70	58.673
45	1309.52	1	SLU	-270.13	31.06	0.85	11.31	271.91	1.00	32294.70	343848.00	32294.70	>100
46	1309.52	1	SLU	-270.13	31.06	0.85	11.31	271.91	1.00	32294.70	343710.00	32294.70	>100
47	1369.05	1	SLU	-52.99	6.09	0.85	11.31	53.34	1.00	32294.70	343383.00	32294.70	>100
48	1369.05	1	SLU	-52.99	6.09	0.85	11.31	53.34	1.00	32294.70	343250.00	32294.70	>100
49	1428.57	1	SLU	111.72	-12.85	0.85	11.31	112.45	1.00	32294.70	342920.00	32294.70	>100
50	1428.57	1	SLU	111.72	-12.85	0.85	11.31	112.45	1.00	32294.70	342790.00	32294.70	>100
51	1488.10	1	SLU	231.19	-26.58	0.85	11.31	232.72	1.00	32294.70	342457.00	32294.70	>100
52	1488.10	1	SLU	231.19	-26.58	0.85	11.31	232.72	1.00	32294.70	342332.00	32294.70	>100
53	1547.62	1	SLU	312.44	-35.92	0.85	11.31	314.50	1.00	32294.70	341996.00	32294.70	>100
54	1547.62	1	SLU	312.44	-35.92	0.85	11.31	314.50	1.00	32294.70	341876.00	32294.70	>100
55	1607.14	1	SLU	362.07	-41.63	0.85	11.31	364.46	1.00	32294.70	341537.00	32294.70	88.610
56	1607.14	1	SLU	362.07	-41.63	0.85	11.31	364.46	1.00	32294.70	341421.00	32294.70	88.610
57	1666.67	1	SLU	386.17	-44.40	0.85	11.31	388.71	1.00	32294.70	341079.00	32294.70	83.082
58	1666.67	1	SLU	386.17	-44.40	0.85	11.31	388.71	1.00	32294.70	340967.00	32294.70	83.082
59	1726.19	1	SLU	390.17	-44.86	0.85	11.31	392.74	1.00	32294.70	340621.00	32294.70	82.230
60	1726.19	1	SLU	390.17	-44.86	0.85	11.31	392.74	1.00	32294.70	340514.00	32294.70	82.230
61	1785.71	1	SLU	378.87	-43.56	0.85	11.31	381.36	1.00	32294.70	340166.00	32294.70	84.683
62	1785.71	1	SLU	378.87	-43.56	0.85	11.31	381.36	1.00	32294.70	340062.00	32294.70	84.683
63	1845.24	1	SLU	356.38	-40.98	0.85	11.31	358.73	1.00	32294.70	339711.00	32294.70	90.025
64	1845.24	1	SLU	356.38	-40.98	0.85	11.31	358.73	1.00	32294.70	339611.00	32294.70	90.025
65	1904.76	1	SLU	326.18	-37.50	0.85	11.31	328.33	1.00	32294.70	339257.00	32294.70	98.361
66	1904.76	1	SLU	326.18	-37.50	0.85	11.31	328.33	1.00	32294.70	339162.00	32294.70	98.361
67	1964.29	1	SLU	291.11	-33.47	0.85	11.31	293.03	1.00	32294.70	338804.00	32294.70	>100
68	1964.29	1	SLU	291.11	-33.47	0.85	11.31	293.03	1.00	32294.70	338713.00	32294.70	>100
69	2023.81	1	SLU	253.48	-29.14	0.85	11.31	255.15	1.00	32294.70	338352.00	32294.70	>100
70	2023.81	1	SLU	253.48	-29.14	0.85	11.31	255.15	1.00	32294.70	338265.00	32294.70	>100
71	2083.33	1	SLU	215.07	-24.73	0.85	11.31	216.49	1.00	32294.70	337901.00	32294.70	>100
72	2083.33	1	SLU	215.07	-24.73	0.85	11.31	216.49	1.00	32294.70	337818.00	32294.70	>100
73	2142.86	1	SLU	177.25	-20.38	0.85	11.31	178.42	1.00	32294.70	337450.00	32294.70	>100
74	2142.86	1	SLU	177.25	-20.38	0.85	11.31	178.42	1.00	32294.70	337372.00	32294.70	>100
75	2202.38	1	SLU	141.00	-16.21	0.85	11.31	141.93	1.00	32294.70	337001.00	32294.70	>100
76	2202.38	1	SLU	141.00	-16.21	0.85	11.31	141.93	1.00	32294.70	336927.00	32294.70	>100
77	2261.90	1	SLU	107.00	-12.30	0.85	11.31	107.71	1.00	32294.70	336552.00	32294.70	>100
78	2261.90	1	SLU	107.00	-12.30	0.85	11.31	107.71	1.00	32294.70	336482.00	32294.70	>100
79	2321.43	1	SLU	75.71	-8.70	0.85	11.31	76.21	1.00	32294.70	336103.00	32294.70	>100
80	2321.43	1	SLU	75.71	-8.70	0.85	11.31	76.21	1.00	32294.70	336038.00	32294.70	>100
81	2380.95	1	SLU	47.37	-5.45	0.85	11.31	47.68	1.00	32294.70	335656.00	32294.70	>100
82	2380.95	1	SLU	47.37	-5.45	0.85	11.31	47.68	1.00	32294.70	335594.00	32294.70	>100
83	2440.48	1	SLU	22.12	-2.54	0.85	11.31	22.26	1.00	32294.70	335208.00	32294.70	>100
84	2440.48	1	SLU	22.12	-2.54	0.85	11.31	22.26	1.00	32294.70	335151.00	32294.70	>100

Verifiche stato limite d'esercizio

Caso	X <cm>	CC	TCC	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ_C <daN/cmq>	σ_f <daN/cmq>
87	0.00	2	SLE R	-115308.00	12679.50	39453.60	31.42	47.12	35.84	496.00
88	0.00	2	SLE R	-115308.00	12679.50	39453.60	31.42	47.12	35.84	496.00
89	59.52	2	SLE R	-114984.00	13282.20	41329.10	37.70	40.84	37.75	520.84
90	59.52	2	SLE R	-114853.00	13282.20	41329.10	37.70	40.84	37.75	520.87
91	119.05	2	SLE R	-112404.00	13257.30	41251.70	37.70	40.84	37.77	520.54

92	119.05	2	SLE R	-112274.00	13257.30	41251.70	37.70	40.84	37.78	520.58
93	178.57	2	SLE R	-109839.00	12763.00	39713.50	37.70	40.84	36.30	500.65
94	178.57	2	SLE R	-109709.00	12763.00	39713.50	37.70	40.84	36.30	500.69
95	238.09	2	SLE R	-107288.00	11934.50	37135.60	31.42	47.12	33.77	467.08
96	238.09	2	SLE R	-107159.00	11934.50	37135.60	31.42	47.12	33.78	467.11
97	297.62	2	SLE R	-104751.00	10885.40	33871.10	31.42	47.12	30.63	425.25
98	297.62	2	SLE R	-104622.00	10885.40	33871.10	31.42	47.12	30.63	425.26
99	357.14	2	SLE R	-102227.00	9708.52	30209.20	31.42	47.12	27.23	379.99
100	357.14	2	SLE R	-102098.00	9708.52	30209.20	31.42	47.12	27.23	379.96
101	416.67	2	SLE R	-99715.50	8478.15	26380.70	25.13	53.41	23.90	335.27
102	416.67	2	SLE R	-99586.70	8478.15	26380.70	25.13	53.41	23.89	335.22
103	476.19	2	SLE R	-97216.90	7251.84	22564.90	25.13	53.41	20.84	294.02
104	476.19	2	SLE R	-97088.50	7251.84	22564.90	25.13	53.41	20.83	293.92
105	535.71	2	SLE R	-94730.80	6072.57	18895.50	18.85	59.69	18.18	257.84
106	535.71	2	SLE R	-94602.50	6072.57	18895.50	18.85	59.69	18.17	257.71
107	595.24	2	SLE R	-92256.60	4970.89	15467.50	6.28	72.26	15.92	227.06
108	595.24	2	SLE R	-92128.60	4970.89	15467.50	6.28	72.26	15.91	226.91
109	654.76	2	SLE R	-89794.20	3966.88	12343.40	0.00	78.54	14.01	200.75
110	654.76	2	SLE R	-89666.40	3966.88	12343.40	0.00	78.54	14.00	200.59
111	714.29	2	SLE R	-87343.10	3072.10	9559.20	0.00	78.54	12.30	177.17
112	714.29	2	SLE R	-87215.50	3072.10	9559.20	0.00	78.54	12.29	177.02
113	773.81	2	SLE R	-84903.20	2291.31	7129.68	0.00	78.54	10.78	156.23
114	773.81	2	SLE R	-84775.70	2291.31	7129.68	0.00	78.54	10.77	156.08
115	833.33	2	SLE R	-82474.00	1623.97	5053.16	0.00	78.54	9.45	137.92
116	833.33	2	SLE R	-82346.70	1623.97	5053.16	0.00	78.54	9.44	137.76
117	892.86	2	SLE R	-80055.30	1065.60	3315.74	0.00	78.54	8.31	122.12
118	892.86	2	SLE R	-79928.20	1065.60	3315.74	0.00	78.54	8.30	121.97
119	952.38	2	SLE R	-77646.80	608.95	1894.83	0.00	78.54	7.34	108.68
120	952.38	2	SLE R	-77519.80	608.95	1894.83	0.00	78.54	7.33	108.53
121	1011.90	2	SLE R	-75248.10	244.94	762.14	0.00	78.54	6.53	97.38
122	1011.90	2	SLE R	-75121.20	244.94	762.14	0.00	78.54	6.52	97.23
123	1071.43	2	SLE R	-72859.00	-36.59	-113.85	0.00	78.54	5.98	89.67
124	1071.43	2	SLE R	-72732.20	-36.59	-113.85	0.00	78.54	5.97	89.51
125	1130.95	2	SLE R	-70479.10	-246.17	-765.99	0.00	78.54	6.15	91.55
126	1130.95	2	SLE R	-70352.40	-246.17	-765.99	0.00	78.54	6.13	91.40
127	1190.48	2	SLE R	-68108.20	-394.30	-1226.92	0.00	78.54	6.20	92.04
128	1190.48	2	SLE R	-67981.50	-394.30	-1226.92	0.00	78.54	6.19	91.89
129	1250.00	2	SLE R	-65745.90	-491.05	-1527.97	0.00	78.54	6.17	91.37
130	1250.00	2	SLE R	-65619.30	-491.05	-1527.97	0.00	78.54	6.16	91.22
131	1309.52	2	SLE R	-63392.00	-545.81	-1698.34	0.00	78.54	6.08	89.75
132	1309.52	2	SLE R	-63265.40	-545.81	-1698.34	0.00	78.54	6.07	89.60
133	1369.05	2	SLE R	-61046.10	-567.11	-1764.63	0.00	78.54	5.92	87.38
134	1369.05	2	SLE R	-60919.50	-567.11	-1764.63	0.00	78.54	5.91	87.23
135	1428.57	2	SLE R	-58708.00	-562.57	-1750.51	0.00	78.54	5.72	84.43
136	1428.57	2	SLE R	-58581.40	-562.57	-1750.51	0.00	78.54	5.71	84.27
137	1488.10	2	SLE R	-56377.30	-538.82	-1676.59	0.00	78.54	5.49	81.04
138	1488.10	2	SLE R	-56250.70	-538.82	-1676.59	0.00	78.54	5.48	80.89
139	1547.62	2	SLE R	-54053.80	-501.51	-1560.52	0.00	78.54	5.24	77.36
140	1547.62	2	SLE R	-53927.10	-501.51	-1560.52	0.00	78.54	5.23	77.20
141	1607.14	2	SLE R	-51737.20	-455.39	-1417.01	0.00	78.54	4.98	73.48
142	1607.14	2	SLE R	-51610.40	-455.39	-1417.01	0.00	78.54	4.97	73.32
143	1666.67	2	SLE R	-49427.10	-404.33	-1258.13	0.00	78.54	4.70	69.50
144	1666.67	2	SLE R	-49300.30	-404.33	-1258.13	0.00	78.54	4.69	69.34
145	1726.19	2	SLE R	-47123.30	-351.43	-1093.50	0.00	78.54	4.42	65.48
146	1726.19	2	SLE R	-46996.40	-351.43	-1093.50	0.00	78.54	4.41	65.32
147	1785.71	2	SLE R	-44825.40	-299.06	-930.57	0.00	78.54	4.15	61.48
148	1785.71	2	SLE R	-44698.50	-299.06	-930.57	0.00	78.54	4.14	61.33
149	1845.24	2	SLE R	-42533.30	-249.04	-774.91	0.00	78.54	3.88	57.55
150	1845.24	2	SLE R	-42406.20	-249.04	-774.91	0.00	78.54	3.87	57.39
151	1904.76	2	SLE R	-40246.50	-202.62	-630.49	0.00	78.54	3.61	53.70
152	1904.76	2	SLE R	-40119.30	-202.62	-630.49	0.00	78.54	3.60	53.54
153	1964.29	2	SLE R	-37964.90	-160.67	-499.94	0.00	78.54	3.36	49.96
154	1964.29	2	SLE R	-37837.60	-160.67	-499.94	0.00	78.54	3.35	49.80
155	2023.81	2	SLE R	-35688.10	-123.68	-384.83	0.00	78.54	3.11	46.34
156	2023.81	2	SLE R	-35560.60	-123.68	-384.83	0.00	78.54	3.10	46.18
157	2083.33	2	SLE R	-33415.80	-91.86	-285.84	0.00	78.54	2.87	42.84
158	2083.33	2	SLE R	-33288.10	-91.86	-285.84	0.00	78.54	2.86	42.68
159	2142.86	2	SLE R	-31147.80	-65.24	-203.00	0.00	78.54	2.64	39.47
160	2142.86	2	SLE R	-31019.90	-65.24	-203.00	0.00	78.54	2.63	39.31
161	2202.38	2	SLE R	-28883.70	-43.65	-135.83	0.00	78.54	2.42	36.21
162	2202.38	2	SLE R	-28755.60	-43.65	-135.83	0.00	78.54	2.41	36.06
163	2261.90	2	SLE R	-26623.30	-26.84	-83.53	0.00	78.54	2.21	33.07
164	2261.90	2	SLE R	-26495.00	-26.84	-83.53	0.00	78.54	2.20	32.92
165	2321.43	2	SLE R	-24366.30	-14.47	-45.03	0.00	78.54	2.01	30.04
166	2321.43	2	SLE R	-24237.70	-14.47	-45.03	0.00	78.54	1.99	29.88
167	2380.95	2	SLE R	-22112.30	-6.15	-19.13	0.00	78.54	1.81	27.10

168	2380.95	2	SLE R	-21983.50	-6.15	-19.13	0.00	78.54	1.80	26.94
169	2440.48	2	SLE R	-19861.20	-1.47	-4.56	0.00	78.54	1.62	24.25
170	2440.48	2	SLE R	-19732.10	-1.47	-4.56	0.00	78.54	1.61	24.09
171	2500.00	2	SLE R	-17612.60	0.00	0.00	0.00	78.54	1.43	21.47
172	2500.00	2	SLE R	-17483.20	0.00	0.00	0.00	78.54	1.42	21.32
173	0.00	4	SLE Q	-115308.00	12679.50	39453.60	31.42	47.12	35.84	496.00
174	0.00	4	SLE Q	-115308.00	12679.50	39453.60	31.42	47.12	35.84	496.00
175	59.52	4	SLE Q	-114984.00	13282.20	41329.10	37.70	40.84	37.75	520.84
176	59.52	4	SLE Q	-114853.00	13282.20	41329.10	37.70	40.84	37.75	520.87
177	119.05	4	SLE Q	-112404.00	13257.30	41251.70	37.70	40.84	37.77	520.54
178	119.05	4	SLE Q	-112274.00	13257.30	41251.70	37.70	40.84	37.78	520.58
179	178.57	4	SLE Q	-109839.00	12763.00	39713.50	37.70	40.84	36.30	500.65
180	178.57	4	SLE Q	-109709.00	12763.00	39713.50	37.70	40.84	36.30	500.69
181	238.09	4	SLE Q	-107288.00	11934.50	37135.60	31.42	47.12	33.77	467.08
182	238.09	4	SLE Q	-107159.00	11934.50	37135.60	31.42	47.12	33.78	467.11
183	297.62	4	SLE Q	-104751.00	10885.40	33871.10	31.42	47.12	30.63	425.25
184	297.62	4	SLE Q	-104622.00	10885.40	33871.10	31.42	47.12	30.63	425.26
185	357.14	4	SLE Q	-102227.00	9708.52	30209.20	31.42	47.12	27.23	379.99
186	357.14	4	SLE Q	-102098.00	9708.52	30209.20	31.42	47.12	27.23	379.96
187	416.67	4	SLE Q	-99715.50	8478.15	26380.70	25.13	53.41	23.90	335.27
188	416.67	4	SLE Q	-99586.70	8478.15	26380.70	25.13	53.41	23.89	335.22
189	476.19	4	SLE Q	-97216.90	7251.84	22564.90	25.13	53.41	20.84	294.02
190	476.19	4	SLE Q	-97088.50	7251.84	22564.90	25.13	53.41	20.83	293.92
191	535.71	4	SLE Q	-94730.80	6072.57	18895.50	18.85	59.69	18.18	257.84
192	535.71	4	SLE Q	-94602.50	6072.57	18895.50	18.85	59.69	18.17	257.71
193	595.24	4	SLE Q	-92256.60	4970.89	15467.50	6.28	72.26	15.92	227.06
194	595.24	4	SLE Q	-92128.60	4970.89	15467.50	6.28	72.26	15.91	226.91
195	654.76	4	SLE Q	-89794.20	3966.88	12343.40	0.00	78.54	14.01	200.75
196	654.76	4	SLE Q	-89666.40	3966.88	12343.40	0.00	78.54	14.00	200.59
197	714.29	4	SLE Q	-87343.10	3072.10	9559.20	0.00	78.54	12.30	177.17
198	714.29	4	SLE Q	-87215.50	3072.10	9559.20	0.00	78.54	12.29	177.02
199	773.81	4	SLE Q	-84903.20	2291.31	7129.68	0.00	78.54	10.78	156.23
200	773.81	4	SLE Q	-84775.70	2291.31	7129.68	0.00	78.54	10.77	156.08
201	833.33	4	SLE Q	-82474.00	1623.97	5053.16	0.00	78.54	9.45	137.92
202	833.33	4	SLE Q	-82346.70	1623.97	5053.16	0.00	78.54	9.44	137.76
203	892.86	4	SLE Q	-80055.30	1065.60	3315.74	0.00	78.54	8.31	122.12
204	892.86	4	SLE Q	-79928.20	1065.60	3315.74	0.00	78.54	8.30	121.97
205	952.38	4	SLE Q	-77646.80	608.95	1894.83	0.00	78.54	7.34	108.68
206	952.38	4	SLE Q	-77519.80	608.95	1894.83	0.00	78.54	7.33	108.53
207	1011.90	4	SLE Q	-75248.10	244.94	762.14	0.00	78.54	6.53	97.38
208	1011.90	4	SLE Q	-75121.20	244.94	762.14	0.00	78.54	6.52	97.23
209	1071.43	4	SLE Q	-72859.00	-36.59	-113.85	0.00	78.54	5.98	89.67
210	1071.43	4	SLE Q	-72732.20	-36.59	-113.85	0.00	78.54	5.97	89.51
211	1130.95	4	SLE Q	-70479.10	-246.17	-765.99	0.00	78.54	6.15	91.55
212	1130.95	4	SLE Q	-70352.40	-246.17	-765.99	0.00	78.54	6.13	91.40
213	1190.48	4	SLE Q	-68108.20	-394.30	-1226.92	0.00	78.54	6.20	92.04
214	1190.48	4	SLE Q	-67981.50	-394.30	-1226.92	0.00	78.54	6.19	91.89
215	1250.00	4	SLE Q	-65745.90	-491.05	-1527.97	0.00	78.54	6.17	91.37
216	1250.00	4	SLE Q	-65619.30	-491.05	-1527.97	0.00	78.54	6.16	91.22
217	1309.52	4	SLE Q	-63392.00	-545.81	-1698.34	0.00	78.54	6.08	89.75
218	1309.52	4	SLE Q	-63265.40	-545.81	-1698.34	0.00	78.54	6.07	89.60
219	1369.05	4	SLE Q	-61046.10	-567.11	-1764.63	0.00	78.54	5.92	87.38
220	1369.05	4	SLE Q	-60919.50	-567.11	-1764.63	0.00	78.54	5.91	87.23
221	1428.57	4	SLE Q	-58708.00	-562.57	-1750.51	0.00	78.54	5.72	84.43
222	1428.57	4	SLE Q	-58581.40	-562.57	-1750.51	0.00	78.54	5.71	84.27
223	1488.10	4	SLE Q	-56377.30	-538.82	-1676.59	0.00	78.54	5.49	81.04
224	1488.10	4	SLE Q	-56250.70	-538.82	-1676.59	0.00	78.54	5.48	80.89
225	1547.62	4	SLE Q	-54053.80	-501.51	-1560.52	0.00	78.54	5.24	77.36
226	1547.62	4	SLE Q	-53927.10	-501.51	-1560.52	0.00	78.54	5.23	77.20
227	1607.14	4	SLE Q	-51737.20	-455.39	-1417.01	0.00	78.54	4.98	73.48
228	1607.14	4	SLE Q	-51610.40	-455.39	-1417.01	0.00	78.54	4.97	73.32
229	1666.67	4	SLE Q	-49427.10	-404.33	-1258.13	0.00	78.54	4.70	69.50
230	1666.67	4	SLE Q	-49300.30	-404.33	-1258.13	0.00	78.54	4.69	69.34
231	1726.19	4	SLE Q	-47123.30	-351.43	-1093.50	0.00	78.54	4.42	65.48
232	1726.19	4	SLE Q	-46996.40	-351.43	-1093.50	0.00	78.54	4.41	65.32
233	1785.71	4	SLE Q	-44825.40	-299.06	-930.57	0.00	78.54	4.15	61.48
234	1785.71	4	SLE Q	-44698.50	-299.06	-930.57	0.00	78.54	4.14	61.33
235	1845.24	4	SLE Q	-42533.30	-249.04	-774.91	0.00	78.54	3.88	57.55
236	1845.24	4	SLE Q	-42406.20	-249.04	-774.91	0.00	78.54	3.87	57.39
237	1904.76	4	SLE Q	-40246.50	-202.62	-630.49	0.00	78.54	3.61	53.70
238	1904.76	4	SLE Q	-40119.30	-202.62	-630.49	0.00	78.54	3.60	53.54
239	1964.29	4	SLE Q	-37964.90	-160.67	-499.94	0.00	78.54	3.36	49.96
240	1964.29	4	SLE Q	-37837.60	-160.67	-499.94	0.00	78.54	3.35	49.80
241	2023.81	4	SLE Q	-35688.10	-123.68	-384.83	0.00	78.54	3.11	46.34
242	2023.81	4	SLE Q	-35560.60	-123.68	-384.83	0.00	78.54	3.10	46.18
243	2083.33	4	SLE Q	-33415.80	-91.86	-285.84	0.00	78.54	2.87	42.84

244	2083.33	4	SLE Q	-33288.10	-91.86	-285.84	0.00	78.54	2.86	42.68
245	2142.86	4	SLE Q	-31147.80	-65.24	-203.00	0.00	78.54	2.64	39.47
246	2142.86	4	SLE Q	-31019.90	-65.24	-203.00	0.00	78.54	2.63	39.31
247	2202.38	4	SLE Q	-28883.70	-43.65	-135.83	0.00	78.54	2.42	36.21
248	2202.38	4	SLE Q	-28755.60	-43.65	-135.83	0.00	78.54	2.41	36.06
249	2261.90	4	SLE Q	-26623.30	-26.84	-83.53	0.00	78.54	2.21	33.07
250	2261.90	4	SLE Q	-26495.00	-26.84	-83.53	0.00	78.54	2.20	32.92
251	2321.43	4	SLE Q	-24366.30	-14.47	-45.03	0.00	78.54	2.01	30.04
252	2321.43	4	SLE Q	-24237.70	-14.47	-45.03	0.00	78.54	1.99	29.88
253	2380.95	4	SLE Q	-22112.30	-6.15	-19.13	0.00	78.54	1.81	27.10
254	2380.95	4	SLE Q	-21983.50	-6.15	-19.13	0.00	78.54	1.80	26.94
255	2440.48	4	SLE Q	-19861.20	-1.47	-4.56	0.00	78.54	1.62	24.25
256	2440.48	4	SLE Q	-19732.10	-1.47	-4.56	0.00	78.54	1.61	24.09
257	2500.00	4	SLE Q	-17612.60	0.00	0.00	0.00	78.54	1.43	21.47
258	2500.00	4	SLE Q	-17483.20	0.00	0.00	0.00	78.54	1.42	21.32

Stato limite d'esercizio – Verifiche a fessurazione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	c <mm>	s <mm>	K_2	Φ_{eq}	Δ_{sm} <mm>	A_s <cmq>	$A_{c\ eff}$ <cmq>	σ_s <daN/cmq>	ε_{sm}	Wk <mm>
173	0.00	4	SLE Q	-115308.00	39453.60	12679.50	46.00	136.36	0.50	20.00	196.70	15.71	822.30	309.45	0.09	0.03
174	0.00	4	SLE Q	-115308.00	39453.60	12679.50	46.00	136.36	0.50	20.00	196.70	15.71	822.30	309.45	0.09	0.03
175	59.52	4	SLE Q	-114984.00	41329.10	13282.20	46.00	136.36	0.50	20.00	183.82	18.85	865.41	357.47	0.10	0.03
176	59.52	4	SLE Q	-114853.00	41329.10	13282.20	46.00	136.36	0.50	20.00	183.92	18.85	866.35	358.26	0.10	0.03
177	119.05	4	SLE Q	-112404.00	41251.70	13257.30	46.00	136.36	0.50	20.00	185.63	18.85	882.40	371.28	0.11	0.03
178	119.05	4	SLE Q	-112274.00	41251.70	13257.30	46.00	136.36	0.50	20.00	185.72	18.85	883.34	372.10	0.11	0.03
179	178.57	4	SLE Q	-109839.00	39713.50	12763.00	46.00	136.36	0.50	20.00	184.34	18.85	870.28	347.42	0.10	0.03
180	178.57	4	SLE Q	-109709.00	39713.50	12763.00	46.00	136.36	0.50	20.00	184.44	18.85	871.25	348.21	0.10	0.03
181	238.09	4	SLE Q	-107288.00	37135.60	11934.50	46.00	136.36	0.50	20.00	198.06	15.71	833.01	298.16	0.09	0.03
182	238.09	4	SLE Q	-107159.00	37135.60	11934.50	46.00	136.36	0.50	20.00	180.50	18.85	834.10	298.89	0.09	0.03
183	297.62	4	SLE Q	-104751.00	33871.10	10885.40	46.00	136.36	0.50	20.00	213.30	12.57	762.15	235.94	0.07	0.02
184	297.62	4	SLE Q	-104622.00	33871.10	10885.40	46.00	136.36	0.50	20.00	213.53	12.57	763.60	236.57	0.07	0.03
185	357.14	4	SLE Q	-102227.00	30209.20	9708.52	46.00	136.36	0.50	20.00	194.19	12.57	642.05	171.60	0.05	0.02
186	357.14	4	SLE Q	-102098.00	30209.20	9708.52	46.00	136.36	0.50	20.00	194.47	12.57	643.80	172.12	0.05	0.02
187	416.67	4	SLE Q	-99715.50	26380.70	8478.15	46.00	136.36	0.50	20.00	169.90	12.57	489.47	113.19	0.03	0.01
188	416.67	4	SLE Q	-99586.70	26380.70	8478.15	46.00	136.36	0.50	20.00	170.18	12.57	491.21	113.59	0.03	0.01
189	476.19	4	SLE Q	-97216.90	22564.90	7251.84	46.00	136.36	0.50	20.00	195.31	6.28	324.55	65.09	0.02	0.01
190	476.19	4	SLE Q	-97088.50	22564.90	7251.84	46.00	136.36	0.50	20.00	195.80	6.28	326.09	65.39	0.02	0.01
259	0.00	3	SLE F	-115308.00	39453.60	12679.50	46.00	136.36	0.50	20.00	196.70	15.71	822.30	309.45	0.09	0.03
260	0.00	3	SLE F	-115308.00	39453.60	12679.50	46.00	136.36	0.50	20.00	196.70	15.71	822.30	309.45	0.09	0.03
261	59.52	3	SLE F	-114984.00	41329.10	13282.20	46.00	136.36	0.50	20.00	183.82	18.85	865.41	357.47	0.10	0.03
262	59.52	3	SLE F	-114853.00	41329.10	13282.20	46.00	136.36	0.50	20.00	183.92	18.85	866.35	358.26	0.10	0.03
263	119.05	3	SLE F	-112404.00	41251.70	13257.30	46.00	136.36	0.50	20.00	185.63	18.85	882.40	371.28	0.11	0.03
264	119.05	3	SLE F	-112274.00	41251.70	13257.30	46.00	136.36	0.50	20.00	185.72	18.85	883.34	372.10	0.11	0.03
265	178.57	3	SLE F	-109839.00	39713.50	12763.00	46.00	136.36	0.50	20.00	184.34	18.85	870.28	347.42	0.10	0.03
266	178.57	3	SLE F	-109709.00	39713.50	12763.00	46.00	136.36	0.50	20.00	184.44	18.85	871.25	348.21	0.10	0.03
267	238.09	3	SLE F	-107288.00	37135.60	11934.50	46.00	136.36	0.50	20.00	198.06	15.71	833.01	298.16	0.09	0.03
268	238.09	3	SLE F	-107159.00	37135.60	11934.50	46.00	136.36	0.50	20.00	180.50	18.85	834.10	298.89	0.09	0.03
269	297.62	3	SLE F	-104751.00	33871.10	10885.40	46.00	136.36	0.50	20.00	213.30	12.57	762.15	235.94	0.07	0.02
270	297.62	3	SLE F	-104622.00	33871.10	10885.40	46.00	136.36	0.50	20.00	213.53	12.57	763.60	236.57	0.07	0.03
271	357.14	3	SLE F	-102227.00	30209.20	9708.52	46.00	136.36	0.50	20.00	194.19	12.57	642.05	171.60	0.05	0.02
272	357.14	3	SLE F	-102098.00	30209.20	9708.52	46.00	136.36	0.50	20.00	194.47	12.57	643.80	172.12	0.05	0.02
273	416.67	3	SLE F	-99715.50	26380.70	8478.15	46.00	136.36	0.50	20.00	169.90	12.57	489.47	113.19	0.03	0.01
274	416.67	3	SLE F	-99586.70	26380.70	8478.15	46.00	136.36	0.50	20.00	170.18	12.57	491.21	113.59	0.03	0.01
275	476.19	3	SLE F	-97216.90	22564.90	7251.84	46.00	136.36	0.50	20.00	195.31	6.28	324.55	65.09	0.02	0.01
276	476.19	3	SLE F	-97088.50	22564.90	7251.84	46.00	136.36	0.50	20.00	195.80	6.28	326.09	65.39	0.02	0.01

Verifiche principali

Caso	Tipo
6	SLU N cost – min. sic.
15	SLU Taglio – min. sic. c.a.,SLU Taglio – min. sic. acciaio
90	C.Rare – Sf min (max compr.)
92	C.Rare – Sc min (max compr.),C.Rare – Sf max (max traz.)
110	C.Rare – Sc max (min. compr.)
176	C.Q.Per. – Sf min (max compr.)
178	C.Q.Per. – Sc min (max compr.),C.Q.Per. – Sf max (max traz.),C.Q.Per. – Wk Max
196	C.Q.Per. – Sc max (min. compr.)
264	C.Freq – Wk Max

Palo n. 2

Caratteristiche del palo e dei materiali utilizzati

R <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
60.00	6.00	C30/37	307.10	20.59	174.02	13.73	B450C	4300.00	3913.04

Le sollecitazioni nei pali vengono calcolate oltre che per l'effetto delle reazioni vincolari anche considerando i seguenti effetti

Azioni ed effetti comuni

Az	N <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
PP	0.00	0.00	0.00	
SVR	0.00			

Azioni ed effetti - Plinto/Palo n. 2 (-109)

Caso	CC	TCC	Az	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	RVN	241125.00	6659.63	-939.40	40229.10	-35582.30
	1	SLU	TAG				0.00	0.00
	1	SLU	ECC				0.00	0.00
	1	SLU	TOT	241125.00	6659.63	-939.40	40229.10	-35582.30
2	2	SLE R	RVN	178611.00	4933.06	-695.85	29799.40	-26357.30
	2	SLE R	TAG				0.00	0.00
	2	SLE R	ECC				0.00	0.00
	2	SLE R	TOT	178611.00	4933.06	-695.85	29799.40	-26357.30
3	3	SLE F	RVN	178611.00	4933.06	-695.85	29799.40	-26357.30
	3	SLE F	TAG				0.00	0.00
	3	SLE F	ECC				0.00	0.00
	3	SLE F	TOT	178611.00	4933.06	-695.85	29799.40	-26357.30
4	4	SLE Q	RVN	178611.00	4933.06	-695.85	29799.40	-26357.30
	4	SLE Q	TAG				0.00	0.00
	4	SLE Q	ECC				0.00	0.00
	4	SLE Q	TOT	178611.00	4933.06	-695.85	29799.40	-26357.30

Sollecitazioni nei pali

Caso	CC	TCC	Palo	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	1	-241125.00	-6659.63	939.40	-40229.10	35582.30
2	2	SLE R	1	-178611.00	-4933.06	695.85	-29799.40	26357.30
3	3	SLE F	1	-178611.00	-4933.06	695.85	-29799.40	26357.30
4	4	SLE Q	1	-178611.00	-4933.06	695.85	-29799.40	26357.30

Da 0 a -25

Stato limite ultimo - Verifiche a flessione/pressoflessione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	Rott.	α <grad>	Sic.
1	0.00	1	SLU	-241125.00	39812.40	35213.70	-241125.00	178915.00	156608.00	2-3	138.75	4.474
2	0.00	1	SLU	-241125.00	39812.40	35213.70	-241125.00	178915.00	156608.00	2-3	138.75	4.474
3	59.52	1	SLU	-240800.00	41650.70	36839.70	-240800.00	178832.00	156540.00	2-3	138.75	4.274
4	59.52	1	SLU	-239252.00	41650.70	36839.70	-239252.00	178435.00	156216.00	2-3	138.75	4.265
5	119.05	1	SLU	-237997.00	41533.90	36736.40	-237997.00	178114.00	155954.00	2-3	138.75	4.269
6	119.05	1	SLU	-233823.00	41533.90	36736.40	-233823.00	177047.00	155057.00	2-3	138.75	4.244
7	178.57	1	SLU	-234724.00	39956.10	35340.80	-234724.00	177278.00	155252.00	2-3	138.75	4.418
8	178.57	1	SLU	-228394.00	39956.10	35340.80	-228394.00	175655.00	153882.00	2-3	138.75	4.378
9	238.09	1	SLU	-230979.00	37339.80	33026.70	-230979.00	176318.00	154442.00	2-3	138.75	4.702
10	238.09	1	SLU	-222966.00	37339.80	33026.70	-222966.00	174255.00	152700.00	2-3	138.75	4.648
11	297.62	1	SLU	-226764.00	34039.10	30107.30	-226764.00	175237.00	153528.00	2-3	138.75	5.127
12	297.62	1	SLU	-217537.00	34039.10	30107.30	-217537.00	172850.00	151513.00	2-3	138.75	5.058
13	357.14	1	SLU	-222078.00	30344.10	26839.10	-222078.00	174026.00	152506.00	2-3	138.75	5.712
14	357.14	1	SLU	-212109.00	30344.10	26839.10	-212109.00	171436.00	150319.00	2-3	138.75	5.628
15	416.67	1	SLU	-216922.00	26486.00	23426.60	-216922.00	172690.00	151378.00	2-3	138.75	6.495
16	416.67	1	SLU	-206700.00	26486.00	23426.60	-206700.00	170022.00	149124.00	2-3	138.75	6.396
17	476.19	1	SLU	-211295.00	22644.20	20028.60	-211295.00	171224.00	150140.00	2-3	138.75	7.533
18	476.19	1	SLU	-201317.00	22644.20	20028.60	-201317.00	168605.00	147926.00	2-3	138.75	7.420
19	535.71	1	SLU	-205669.00	18952.40	16763.30	-205669.00	169751.00	148895.00	2-3	138.75	8.924
20	535.71	1	SLU	-195960.00	18952.40	16763.30	-195960.00	167192.00	146732.00	2-3	138.75	8.792
21	595.24	1	SLU	-200068.00	15505.60	13714.60	-200068.00	168276.00	147648.00	2-3	138.75	10.815
22	595.24	1	SLU	-190628.00	15505.60	13714.60	-190628.00	165775.00	145534.00	2-3	138.75	10.656
23	654.76	1	SLU	-194494.00	12366.10	10937.70	-2571250.00	166802.00	146403.00	2-3	138.75	13.220
24	654.76	1	SLU	-185320.00	12366.10	10937.70	-185320.00	164362.00	144339.00	2-3	138.75	13.250
25	714.29	1	SLU	-188944.00	9569.54	8464.18	-2571250.00	165328.00	145156.00	2-3	138.75	13.609
26	714.29	1	SLU	-180035.00	9569.54	8464.18	-2571250.00	162947.00	143142.00	2-3	138.75	14.282
27	773.81	1	SLU	-183417.00	7130.37	6306.75	-2571250.00	163853.00	143908.00	2-3	138.75	14.019
28	773.81	1	SLU	-174773.00	7130.37	6306.75	-2571250.00	161533.00	141946.00	2-3	138.75	14.712
29	833.33	1	SLU	-177915.00	5046.59	4463.67	-2571250.00	162378.00	142661.00	2-3	138.75	14.452
30	833.33	1	SLU	-169534.00	5046.59	4463.67	-2571250.00	160119.00	140749.00	2-3	138.75	15.167
31	892.86	1	SLU	-172434.00	3303.97	2922.33	-2571250.00	160902.00	141412.00	2-3	138.75	14.912
32	892.86	1	SLU	-164316.00	3303.97	2922.33	-2571250.00	158705.00	139553.00	2-3	138.75	15.648
33	952.38	1	SLU	-166976.00	1879.58	1662.48	-2571250.00	159428.00	140164.00	2-3	138.75	15.399
34	952.38	1	SLU	-159119.00	1879.58	1662.48	-2571250.00	157291.00	138356.00	2-3	138.75	16.159
35	1011.90	1	SLU	-161539.00	744.84	658.81	-2571250.00	157950.00	138914.00	2-3	138.75	15.917
36	1011.90	1	SLU	-153942.00	744.84	658.81	-2571250.00	155877.00	137160.00	2-3	138.75	16.703

37	1071.43	1	SLU	-156122.00	-132.07	-116.81	-2571250.00	-157245.00	-137223.00	2-3	318.75	16.470
38	1071.43	1	SLU	-148784.00	-132.07	-116.81	-2571250.00	-155159.00	-135490.00	2-3	318.75	17.282
39	1130.95	1	SLU	-150725.00	-784.24	-693.66	-2571250.00	-155712.00	-135948.00	2-3	318.75	17.059
40	1130.95	1	SLU	-143646.00	-784.24	-693.66	-2571250.00	-153687.00	-134273.00	2-3	318.75	17.900
41	1190.48	1	SLU	-145348.00	-1244.54	-1100.79	-2571250.00	-154176.00	-134677.00	2-3	318.75	17.690
42	1190.48	1	SLU	-138526.00	-1244.54	-1100.79	-2571250.00	-152215.00	-133055.00	2-3	318.75	18.561
43	1250.00	1	SLU	-139988.00	-1544.49	-1366.09	-2571250.00	-152636.00	-133403.00	2-3	318.75	18.368
44	1250.00	1	SLU	-133423.00	-1544.49	-1366.09	-2571250.00	-150739.00	-131835.00	2-3	318.75	19.271
45	1309.52	1	SLU	-134647.00	-1713.45	-1515.53	-2571250.00	-151094.00	-132128.00	2-3	318.75	19.096
46	1309.52	1	SLU	-128337.00	-1713.45	-1515.53	-2571250.00	-149264.00	-130616.00	2-3	318.75	20.035
47	1369.05	1	SLU	-129323.00	-1778.14	-1572.75	-2571250.00	-149550.00	-130852.00	2-3	318.75	19.882
48	1369.05	1	SLU	-123268.00	-1778.14	-1572.75	-2571250.00	-147783.00	-129395.00	2-3	318.75	20.859
49	1428.57	1	SLU	-124015.00	-1762.33	-1558.77	-2571250.00	-148001.00	-129575.00	2-3	318.75	20.733
50	1428.57	1	SLU	-118214.00	-1762.33	-1558.77	-2571250.00	-146304.00	-128174.00	2-3	318.75	21.751
51	1488.10	1	SLU	-118722.00	-1686.74	-1491.91	-2571250.00	-146454.00	-128297.00	2-3	318.75	21.658
52	1488.10	1	SLU	-113175.00	-1686.74	-1491.91	-2571250.00	-144819.00	-126951.00	2-3	318.75	22.719
53	1547.62	1	SLU	-113445.00	-1569.05	-1387.81	-2571250.00	-144899.00	-127017.00	2-3	318.75	22.665
54	1547.62	1	SLU	-108151.00	-1569.05	-1387.81	-2571250.00	-143335.00	-125729.00	2-3	318.75	23.775
55	1607.14	1	SLU	-108182.00	-1424.04	-1259.55	-2571250.00	-143345.00	-125737.00	2-3	318.75	23.768
56	1607.14	1	SLU	-103140.00	-1424.04	-1259.55	-2571250.00	-141846.00	-124506.00	2-3	318.75	24.930
57	1666.67	1	SLU	-102933.00	-1263.80	-1117.82	-2571250.00	-141785.00	-124455.00	2-3	318.75	24.980
58	1666.67	1	SLU	-98142.50	-1263.80	-1117.82	-2571250.00	-140357.00	-123282.00	2-3	318.75	26.199
59	1726.19	1	SLU	-97697.60	-1097.96	-971.13	-2571250.00	-140224.00	-123173.00	2-3	318.75	26.318
60	1726.19	1	SLU	-93157.30	-1097.96	-971.13	-2571250.00	-138870.00	-122040.00	2-3	318.75	27.601
61	1785.71	1	SLU	-92474.00	-933.98	-826.10	-2571250.00	-138667.00	-121868.00	2-3	318.75	27.805
62	1785.71	1	SLU	-88184.00	-933.98	-826.10	-2571250.00	-137388.00	-120785.00	2-3	318.75	29.158
63	1845.24	1	SLU	-87262.20	-777.43	-687.63	-2571250.00	-137112.00	-120552.00	2-3	318.75	29.466
64	1845.24	1	SLU	-83221.90	-777.43	-687.63	-2571250.00	-135902.00	-119528.00	2-3	318.75	30.896
65	1904.76	1	SLU	-82061.50	-632.28	-559.25	-2571250.00	-135555.00	-119234.00	2-3	318.75	31.333
66	1904.76	1	SLU	-78270.40	-632.28	-559.25	-2571250.00	-134416.00	-118271.00	2-3	318.75	32.851
67	1964.29	1	SLU	-76871.20	-501.17	-443.28	-2571250.00	-133994.00	-117915.00	2-3	318.75	33.449
68	1964.29	1	SLU	-73328.80	-501.17	-443.28	-2571250.00	-132925.00	-117012.00	2-3	318.75	35.065
69	2023.81	1	SLU	-71690.70	-385.61	-341.07	-2571250.00	-132431.00	-116595.00	2-3	318.75	35.866
70	2023.81	1	SLU	-68396.50	-385.61	-341.07	-2571250.00	-131434.00	-115754.00	2-3	318.75	37.593
71	2083.33	1	SLU	-66519.30	-286.29	-253.22	-2571250.00	-130864.00	-115274.00	2-3	318.75	38.654
72	2083.33	1	SLU	-63472.90	-286.29	-253.22	-2571250.00	-129938.00	-114494.00	2-3	318.75	40.509
73	2142.86	1	SLU	-61356.30	-203.22	-179.75	-2571250.00	-129295.00	-113951.00	2-3	318.75	41.907
74	2142.86	1	SLU	-58557.30	-203.22	-179.75	-2571250.00	-128442.00	-113233.00	2-3	318.75	43.910
75	2202.38	1	SLU	-56201.10	-135.91	-120.21	-2571250.00	-127722.00	-112628.00	2-3	318.75	45.751
76	2202.38	1	SLU	-53649.20	-135.91	-120.21	-2571250.00	-126941.00	-111972.00	2-3	318.75	47.927
77	2261.90	1	SLU	-51053.10	-83.53	-73.88	-2571250.00	-126147.00	-111304.00	2-3	318.75	50.364
78	2261.90	1	SLU	-48747.90	-83.53	-73.88	-2571250.00	-125440.00	-110710.00	2-3	318.75	52.746
79	2321.43	1	SLU	-45911.50	-45.00	-39.80	-2571250.00	-124567.00	-109978.00	2-3	318.75	56.005
80	2321.43	1	SLU	-43852.80	-45.00	-39.80	-2571250.00	-123964.00	-109385.00	2-3	318.75	58.634
81	2380.95	1	SLU	-40775.70	-19.11	-16.90	-2571250.00	-123072.00	-108476.00	2-3	318.75	63.058
82	2380.95	1	SLU	-38963.20	-19.11	-16.90	-2571250.00	-122546.00	-107937.00	2-3	318.75	65.992
83	2440.48	1	SLU	-35645.20	-4.55	-4.03	-2571250.00	-121583.00	-106947.00	2-3	318.75	72.135
84	2440.48	1	SLU	-34078.60	-4.55	-4.03	-2571250.00	-121127.00	-106480.00	2-3	318.75	75.451
85	2500.00	1	SLU	-30519.10	0.00	0.00	-2571250.00					84.250
86	2500.00	1	SLU	-29198.30	0.00	0.00	-2571250.00					88.061

Stato limite ultimo – Verifiche a taglio

Caso	X <cm>	CC	TCC	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1	0.00	1	SLU	6659.63	-939.40	0.85	11.31	6725.56	1.00	32294.70	366207.00	32294.70	4.802
2	0.00	1	SLU	6659.63	-939.40	0.85	11.31	6725.56	1.00	32294.70	366207.00	32294.70	4.802
3	59.52	1	SLU	1715.50	-241.99	0.85	11.31	1732.49	1.00	32294.70	366160.00	32294.70	18.641
4	59.52	1	SLU	1715.50	-241.99	0.85	11.31	1732.49	1.00	32294.70	365938.00	32294.70	18.641
5	119.05	1	SLU	-2051.42	289.37	0.85	11.31	2071.73	1.00	32294.70	365759.00	32294.70	15.588
6	119.05	1	SLU	-2051.42	289.37	0.85	11.31	2071.73	1.00	32294.70	365161.00	32294.70	15.588
7	178.57	1	SLU	-4800.92	677.21	0.85	11.31	4848.44	1.00	32294.70	365290.00	32294.70	6.661
8	178.57	1	SLU	-4800.92	677.21	0.85	11.31	4848.44	1.00	32294.70	364383.00	32294.70	6.661
9	238.09	1	SLU	-6689.24	943.58	0.85	11.31	6755.46	1.00	32294.70	364753.00	32294.70	4.781
10	238.09	1	SLU	-6689.24	943.58	0.85	11.31	6755.46	1.00	32294.70	363606.00	32294.70	4.781
11	297.62	1	SLU	-7864.41	1109.35	0.85	11.31	7942.26	1.00	32294.70	364150.00	32294.70	4.066
12	297.62	1	SLU	-7864.41	1109.35	0.85	11.31	7942.26	1.00	32294.70	362828.00	32294.70	4.066
13	357.14	1	SLU	-8462.92	1193.77	0.85	11.31	8546.70	1.00	32294.70	363478.00	32294.70	3.779
14	357.14	1	SLU	-8462.92	1193.77	0.85	11.31	8546.70	1.00	32294.70	362050.00	32294.70	3.779
15	416.67	1	SLU	-8607.78	1214.21	0.85	11.31	8693.00	1.00	32294.70	362740.00	32294.70	3.715
16	416.67	1	SLU	-8607.78	1214.21	0.85	11.31	8693.00	1.00	32294.70	361276.00	32294.70	3.715
17	476.19	1	SLU	-8407.46	1185.95	0.85	11.31	8490.69	1.00	32294.70	361934.00	32294.70	3.804
18	476.19	1	SLU	-8407.46	1185.95	0.85	11.31	8490.69	1.00	32294.70	360505.00	32294.70	3.804
19	535.71	1	SLU	-7955.62	1122.21	0.85	11.31	8034.38	1.00	32294.70	361128.00	32294.70	4.020
20	535.71	1	SLU	-7955.62	1122.21	0.85	11.31	8034.38	1.00	32294.70	359737.00	32294.70	4.020
21	595.24	1	SLU	-7331.49	1034.17	0.85	11.31	7404.07	1.00	32294.70	360326.00	32294.70	4.362
22	595.24	1	SLU	-7331.49	1034.17	0.85	11.31	7404.07	1.00	32294.70	358973.00	32294.70	4.362
23	654.76	1	SLU	-6600.63	931.08	0.85	11.31	6665.97	1.00	32294.70	359527.00	32294.70	4.845

24	654.76	1	SLU	-6600.63	931.08	0.85	11.31	6665.97	1.00	32294.70	358213.00	32294.70	4.845
25	714.29	1	SLU	-5815.99	820.40	0.85	11.31	5873.57	1.00	32294.70	358732.00	32294.70	5.498
26	714.29	1	SLU	-5815.99	820.40	0.85	11.31	5873.57	1.00	32294.70	357456.00	32294.70	5.498
27	773.81	1	SLU	-5019.21	708.00	0.85	11.31	5068.90	1.00	32294.70	357941.00	32294.70	6.371
28	773.81	1	SLU	-5019.21	708.00	0.85	11.31	5068.90	1.00	32294.70	356703.00	32294.70	6.371
29	833.33	1	SLU	-4241.90	598.36	0.85	11.31	4283.89	1.00	32294.70	357152.00	32294.70	7.539
30	833.33	1	SLU	-4241.90	598.36	0.85	11.31	4283.89	1.00	32294.70	355952.00	32294.70	7.539
31	892.86	1	SLU	-3507.07	494.70	0.85	11.31	3541.79	1.00	32294.70	356368.00	32294.70	9.118
32	892.86	1	SLU	-3507.07	494.70	0.85	11.31	3541.79	1.00	32294.70	355205.00	32294.70	9.118
33	952.38	1	SLU	-2830.44	399.26	0.85	11.31	2858.46	1.00	32294.70	355586.00	32294.70	11.298
34	952.38	1	SLU	-2830.44	399.26	0.85	11.31	2858.46	1.00	32294.70	354460.00	32294.70	11.298
35	1011.90	1	SLU	-2221.70	313.39	0.85	11.31	2243.69	1.00	32294.70	354807.00	32294.70	14.394
36	1011.90	1	SLU	-2221.70	313.39	0.85	11.31	2243.69	1.00	32294.70	353719.00	32294.70	14.394
37	1071.43	1	SLU	-1685.67	237.78	0.85	11.31	1702.36	1.00	32294.70	354031.00	32294.70	18.971
38	1071.43	1	SLU	-1685.67	237.78	0.85	11.31	1702.36	1.00	32294.70	352980.00	32294.70	18.971
39	1130.95	1	SLU	-1223.36	172.57	0.85	11.31	1235.47	1.00	32294.70	353258.00	32294.70	26.140
40	1130.95	1	SLU	-1223.36	172.57	0.85	11.31	1235.47	1.00	32294.70	352244.00	32294.70	26.140
41	1190.48	1	SLU	-832.90	117.49	0.85	11.31	841.14	1.00	32294.70	352488.00	32294.70	38.394
42	1190.48	1	SLU	-832.90	117.49	0.85	11.31	841.14	1.00	32294.70	351510.00	32294.70	38.394
43	1250.00	1	SLU	-510.28	71.98	0.85	11.31	515.33	1.00	32294.70	351720.00	32294.70	62.668
44	1250.00	1	SLU	-510.28	71.98	0.85	11.31	515.33	1.00	32294.70	350780.00	32294.70	62.668
45	1309.52	1	SLU	-250.10	35.28	0.85	11.31	252.57	1.00	32294.70	350955.00	32294.70	>100
46	1309.52	1	SLU	-250.10	35.28	0.85	11.31	252.57	1.00	32294.70	350051.00	32294.70	>100
47	1369.05	1	SLU	-46.05	6.50	0.85	11.31	46.50	1.00	32294.70	350192.00	32294.70	>100
48	1369.05	1	SLU	-46.05	6.50	0.85	11.31	46.50	1.00	32294.70	349325.00	32294.70	>100
49	1428.57	1	SLU	108.59	-15.32	0.85	11.31	109.67	1.00	32294.70	349432.00	32294.70	>100
50	1428.57	1	SLU	108.59	-15.32	0.85	11.31	109.67	1.00	32294.70	348601.00	32294.70	>100
51	1488.10	1	SLU	220.62	-31.12	0.85	11.31	222.81	1.00	32294.70	348674.00	32294.70	>100
52	1488.10	1	SLU	220.62	-31.12	0.85	11.31	222.81	1.00	32294.70	347879.00	32294.70	>100
53	1547.62	1	SLU	296.67	-41.85	0.85	11.31	299.61	1.00	32294.70	347918.00	32294.70	>100
54	1547.62	1	SLU	296.67	-41.85	0.85	11.31	299.61	1.00	32294.70	347160.00	32294.70	>100
55	1607.14	1	SLU	342.97	-48.38	0.85	11.31	346.36	1.00	32294.70	347164.00	32294.70	93.240
56	1607.14	1	SLU	342.97	-48.38	0.85	11.31	346.36	1.00	32294.70	346442.00	32294.70	93.240
57	1666.67	1	SLU	365.24	-51.52	0.85	11.31	368.86	1.00	32294.70	346412.00	32294.70	87.553
58	1666.67	1	SLU	365.24	-51.52	0.85	11.31	368.86	1.00	32294.70	345726.00	32294.70	87.553
59	1726.19	1	SLU	368.64	-52.00	0.85	11.31	372.29	1.00	32294.70	345662.00	32294.70	86.746
60	1726.19	1	SLU	368.64	-52.00	0.85	11.31	372.29	1.00	32294.70	345012.00	32294.70	86.746
61	1785.71	1	SLU	357.67	-50.45	0.85	11.31	361.21	1.00	32294.70	344914.00	32294.70	89.406
62	1785.71	1	SLU	357.67	-50.45	0.85	11.31	361.21	1.00	32294.70	344300.00	32294.70	89.406
63	1845.24	1	SLU	336.21	-47.43	0.85	11.31	339.54	1.00	32294.70	344167.00	32294.70	95.112
64	1845.24	1	SLU	336.21	-47.43	0.85	11.31	339.54	1.00	32294.70	343589.00	32294.70	95.112
65	1904.76	1	SLU	307.53	-43.38	0.85	11.31	310.58	1.00	32294.70	343423.00	32294.70	>100
66	1904.76	1	SLU	307.53	-43.38	0.85	11.31	310.58	1.00	32294.70	342879.00	32294.70	>100
67	1964.29	1	SLU	274.32	-38.69	0.85	11.31	277.03	1.00	32294.70	342679.00	32294.70	>100
68	1964.29	1	SLU	274.32	-38.69	0.85	11.31	277.03	1.00	32294.70	342172.00	32294.70	>100
69	2023.81	1	SLU	238.72	-33.67	0.85	11.31	241.08	1.00	32294.70	341937.00	32294.70	>100
70	2023.81	1	SLU	238.72	-33.67	0.85	11.31	241.08	1.00	32294.70	341465.00	32294.70	>100
71	2083.33	1	SLU	202.43	-28.56	0.85	11.31	204.44	1.00	32294.70	341196.00	32294.70	>100
72	2083.33	1	SLU	202.43	-28.56	0.85	11.31	204.44	1.00	32294.70	340760.00	32294.70	>100
73	2142.86	1	SLU	166.73	-23.52	0.85	11.31	168.38	1.00	32294.70	340457.00	32294.70	>100
74	2142.86	1	SLU	166.73	-23.52	0.85	11.31	168.38	1.00	32294.70	340056.00	32294.70	>100
75	2202.38	1	SLU	132.55	-18.70	0.85	11.31	133.86	1.00	32294.70	339718.00	32294.70	>100
76	2202.38	1	SLU	132.55	-18.70	0.85	11.31	133.86	1.00	32294.70	339353.00	32294.70	>100
77	2261.90	1	SLU	100.52	-14.18	0.85	11.31	101.52	1.00	32294.70	338981.00	32294.70	>100
78	2261.90	1	SLU	100.52	-14.18	0.85	11.31	101.52	1.00	32294.70	338651.00	32294.70	>100
79	2321.43	1	SLU	71.07	-10.02	0.85	11.31	71.77	1.00	32294.70	338244.00	32294.70	>100
80	2321.43	1	SLU	71.07	-10.02	0.85	11.31	71.77	1.00	32294.70	337950.00	32294.70	>100
81	2380.95	1	SLU	44.43	-6.27	0.85	11.31	44.87	1.00	32294.70	337509.00	32294.70	>100
82	2380.95	1	SLU	44.43	-6.27	0.85	11.31	44.87	1.00	32294.70	337249.00	32294.70	>100
83	2440.48	1	SLU	20.72	-2.92	0.85	11.31	20.93	1.00	32294.70	336774.00	32294.70	>100
84	2440.48	1	SLU	20.72	-2.92	0.85	11.31	20.93	1.00	32294.70	336549.00	32294.70	>100

Verifiche stato limite d'esercizio

Caso	X <cm>	CC	TCC	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ_c <daN/cmq>	σ_f <daN/cmq>
87	0.00	2	SLE R	-178611.00	26084.20	29490.60	18.85	59.69	35.39	501.39
88	0.00	2	SLE R	-178611.00	26084.20	29490.60	18.85	59.69	35.39	501.39
89	59.52	2	SLE R	-178286.00	27288.70	30852.40	21.99	56.55	36.56	517.02
90	59.52	2	SLE R	-177406.00	27288.70	30852.40	21.99	56.55	36.51	516.28
91	119.05	2	SLE R	-175483.00	27212.20	30765.90	21.99	56.55	36.34	513.66
92	119.05	2	SLE R	-173337.00	27212.20	30765.90	21.99	56.55	36.23	511.93
93	178.57	2	SLE R	-172210.00	26178.40	29597.10	21.99	56.55	35.13	496.97
94	178.57	2	SLE R	-169289.00	26178.40	29597.10	21.99	56.55	34.98	494.53
95	238.09	2	SLE R	-168465.00	24464.20	27659.10	18.85	59.69	33.25	471.12
96	238.09	2	SLE R	-165263.00	24464.20	27659.10	18.85	59.69	33.07	468.21
97	297.62	2	SLE R	-164385.00	22301.70	25214.20	15.71	62.83	30.98	439.99
98	297.62	2	SLE R	-161258.00	22301.70	25214.20	15.71	62.83	30.78	436.85

99	357.14	2	SLE R	-160325.00	19880.80	22477.10	9.42	69.11	28.58	406.97
100	357.14	2	SLE R	-157274.00	19880.80	22477.10	9.42	69.11	28.36	403.60
101	416.67	2	SLE R	-156286.00	17353.00	19619.20	0.00	78.54	26.20	374.21
102	416.67	2	SLE R	-153309.00	17353.00	19619.20	0.00	78.54	25.97	370.66
103	476.19	2	SLE R	-152267.00	14836.00	16773.50	0.00	78.54	23.91	342.61
104	476.19	2	SLE R	-149364.00	14836.00	16773.50	0.00	78.54	23.68	339.07
105	535.71	2	SLE R	-148267.00	12417.20	14038.80	0.00	78.54	21.71	312.14
106	535.71	2	SLE R	-145438.00	12417.20	14038.80	0.00	78.54	21.48	308.69
107	595.24	2	SLE R	-144285.00	10159.00	11485.70	0.00	78.54	19.63	283.40
108	595.24	2	SLE R	-141530.00	10159.00	11485.70	0.00	78.54	19.40	280.04
109	654.76	2	SLE R	-140323.00	8102.01	9160.08	0.00	78.54	17.71	256.80
110	654.76	2	SLE R	-137640.00	8102.01	9160.08	0.00	78.54	17.49	253.53
111	714.29	2	SLE R	-136378.00	6269.76	7088.55	0.00	78.54	15.96	232.61
112	714.29	2	SLE R	-133768.00	6269.76	7088.55	0.00	78.54	15.75	229.43
113	773.81	2	SLE R	-132450.00	4671.67	5281.75	0.00	78.54	14.40	210.91
114	773.81	2	SLE R	-129913.00	4671.67	5281.75	0.00	78.54	14.19	207.82
115	833.33	2	SLE R	-128539.00	3306.42	3738.22	0.00	78.54	13.02	191.70
116	833.33	2	SLE R	-126074.00	3306.42	3738.22	0.00	78.54	12.82	188.69
117	892.86	2	SLE R	-124644.00	2164.69	2447.39	0.00	78.54	11.81	174.87
118	892.86	2	SLE R	-122251.00	2164.69	2447.39	0.00	78.54	11.62	171.96
119	952.38	2	SLE R	-120765.00	1231.46	1392.28	0.00	78.54	10.77	160.27
120	952.38	2	SLE R	-118444.00	1231.46	1392.28	0.00	78.54	10.59	157.44
121	1011.90	2	SLE R	-116902.00	488.00	551.74	0.00	78.54	9.88	147.69
122	1011.90	2	SLE R	-114652.00	488.00	551.74	0.00	78.54	9.70	144.95
123	1071.43	2	SLE R	-113053.00	-86.53	-97.83	0.00	78.54	9.26	138.76
124	1071.43	2	SLE R	-110874.00	-86.53	-97.83	0.00	78.54	9.08	136.10
125	1130.95	2	SLE R	-109219.00	-513.82	-580.92	0.00	78.54	9.28	138.62
126	1130.95	2	SLE R	-107110.00	-513.82	-580.92	0.00	78.54	9.11	136.05
127	1190.48	2	SLE R	-105399.00	-815.40	-921.88	0.00	78.54	9.20	137.17
128	1190.48	2	SLE R	-103360.00	-815.40	-921.88	0.00	78.54	9.04	134.68
129	1250.00	2	SLE R	-101592.00	-1011.92	-1144.06	0.00	78.54	9.04	134.61
130	1250.00	2	SLE R	-99623.50	-1011.92	-1144.06	0.00	78.54	8.88	132.21
131	1309.52	2	SLE R	-97797.60	-1122.61	-1269.22	0.00	78.54	8.82	131.16
132	1309.52	2	SLE R	-95899.30	-1122.61	-1269.22	0.00	78.54	8.67	128.85
133	1369.05	2	SLE R	-94015.90	-1165.00	-1317.14	0.00	78.54	8.55	127.00
134	1369.05	2	SLE R	-92187.20	-1165.00	-1317.14	0.00	78.54	8.40	124.77
135	1428.57	2	SLE R	-90246.10	-1154.64	-1305.43	0.00	78.54	8.23	122.29
136	1428.57	2	SLE R	-88486.80	-1154.64	-1305.43	0.00	78.54	8.09	120.15
137	1488.10	2	SLE R	-86487.80	-1105.12	-1249.44	0.00	78.54	7.89	117.19
138	1488.10	2	SLE R	-84797.70	-1105.12	-1249.44	0.00	78.54	7.75	115.13
139	1547.62	2	SLE R	-82740.50	-1028.01	-1162.26	0.00	78.54	7.52	111.80
140	1547.62	2	SLE R	-81119.40	-1028.01	-1162.26	0.00	78.54	7.39	109.82
141	1607.14	2	SLE R	-79003.70	-933.00	-1054.85	0.00	78.54	7.15	106.23
142	1607.14	2	SLE R	-77451.30	-933.00	-1054.85	0.00	78.54	7.02	104.34
143	1666.67	2	SLE R	-75276.90	-828.01	-936.15	0.00	78.54	6.76	100.57
144	1666.67	2	SLE R	-73793.10	-828.01	-936.15	0.00	78.54	6.64	98.76
145	1726.19	2	SLE R	-71559.60	-719.36	-813.30	0.00	78.54	6.38	94.89
146	1726.19	2	SLE R	-70144.30	-719.36	-813.30	0.00	78.54	6.26	93.16
147	1785.71	2	SLE R	-67851.50	-611.92	-691.84	0.00	78.54	5.99	89.23
148	1785.71	2	SLE R	-66504.30	-611.92	-691.84	0.00	78.54	5.88	87.58
149	1845.24	2	SLE R	-64152.00	-509.36	-575.88	0.00	78.54	5.61	83.63
150	1845.24	2	SLE R	-62872.80	-509.36	-575.88	0.00	78.54	5.51	82.07
151	1904.76	2	SLE R	-60460.60	-414.26	-468.36	0.00	78.54	5.24	78.12
152	1904.76	2	SLE R	-59249.30	-414.26	-468.36	0.00	78.54	5.14	76.64
153	1964.29	2	SLE R	-56776.90	-328.35	-371.23	0.00	78.54	4.87	72.71
154	1964.29	2	SLE R	-55633.30	-328.35	-371.23	0.00	78.54	4.78	71.32
155	2023.81	2	SLE R	-53100.40	-252.64	-285.64	0.00	78.54	4.51	67.43
156	2023.81	2	SLE R	-52024.30	-252.64	-285.64	0.00	78.54	4.43	66.11
157	2083.33	2	SLE R	-49430.60	-187.57	-212.07	0.00	78.54	4.16	62.26
158	2083.33	2	SLE R	-48422.00	-187.57	-212.07	0.00	78.54	4.08	61.03
159	2142.86	2	SLE R	-45767.10	-133.15	-150.53	0.00	78.54	3.82	57.22
160	2142.86	2	SLE R	-44825.80	-133.15	-150.53	0.00	78.54	3.75	56.07
161	2202.38	2	SLE R	-42109.40	-89.05	-100.68	0.00	78.54	3.49	52.29
162	2202.38	2	SLE R	-41235.30	-89.05	-100.68	0.00	78.54	3.42	51.22
163	2261.90	2	SLE R	-38457.10	-54.73	-61.87	0.00	78.54	3.17	47.47
164	2261.90	2	SLE R	-37650.10	-54.73	-61.87	0.00	78.54	3.10	46.49
165	2321.43	2	SLE R	-34809.70	-29.49	-33.34	0.00	78.54	2.85	42.75
166	2321.43	2	SLE R	-34069.60	-29.49	-33.34	0.00	78.54	2.79	41.85
167	2380.95	2	SLE R	-31166.60	-12.52	-14.16	0.00	78.54	2.54	38.13
168	2380.95	2	SLE R	-30493.50	-12.52	-14.16	0.00	78.54	2.49	37.31
169	2440.48	2	SLE R	-27527.60	-2.98	-3.37	0.00	78.54	2.24	33.59
170	2440.48	2	SLE R	-26921.20	-2.98	-3.37	0.00	78.54	2.19	32.86
171	2500.00	2	SLE R	-23892.00	0.00	0.00	0.00	78.54	1.94	29.13
172	2500.00	2	SLE R	-23352.30	0.00	0.00	0.00	78.54	1.90	28.47
173	0.00	4	SLE Q	-178611.00	26084.20	29490.60	18.85	59.69	35.39	501.39
174	0.00	4	SLE Q	-178611.00	26084.20	29490.60	18.85	59.69	35.39	501.39

175	59.52	4	SLE Q	-178286.00	27288.70	30852.40	21.99	56.55	36.56	517.02
176	59.52	4	SLE Q	-177406.00	27288.70	30852.40	21.99	56.55	36.51	516.28
177	119.05	4	SLE Q	-175483.00	27212.20	30765.90	21.99	56.55	36.34	513.66
178	119.05	4	SLE Q	-173337.00	27212.20	30765.90	21.99	56.55	36.23	511.93
179	178.57	4	SLE Q	-172210.00	26178.40	29597.10	21.99	56.55	35.13	496.97
180	178.57	4	SLE Q	-169289.00	26178.40	29597.10	21.99	56.55	34.98	494.53
181	238.09	4	SLE Q	-168465.00	24464.20	27659.10	18.85	59.69	33.25	471.12
182	238.09	4	SLE Q	-165263.00	24464.20	27659.10	18.85	59.69	33.07	468.21
183	297.62	4	SLE Q	-164385.00	22301.70	25214.20	15.71	62.83	30.98	439.99
184	297.62	4	SLE Q	-161258.00	22301.70	25214.20	15.71	62.83	30.78	436.85
185	357.14	4	SLE Q	-160325.00	19880.80	22477.10	9.42	69.11	28.58	406.97
186	357.14	4	SLE Q	-157274.00	19880.80	22477.10	9.42	69.11	28.36	403.60
187	416.67	4	SLE Q	-156286.00	17353.00	19619.20	0.00	78.54	26.20	374.21
188	416.67	4	SLE Q	-153309.00	17353.00	19619.20	0.00	78.54	25.97	370.66
189	476.19	4	SLE Q	-152267.00	14836.00	16773.50	0.00	78.54	23.91	342.61
190	476.19	4	SLE Q	-149364.00	14836.00	16773.50	0.00	78.54	23.68	339.07
191	535.71	4	SLE Q	-148267.00	12417.20	14038.80	0.00	78.54	21.71	312.14
192	535.71	4	SLE Q	-145438.00	12417.20	14038.80	0.00	78.54	21.48	308.69
193	595.24	4	SLE Q	-144285.00	10159.00	11485.70	0.00	78.54	19.63	283.40
194	595.24	4	SLE Q	-141530.00	10159.00	11485.70	0.00	78.54	19.40	280.04
195	654.76	4	SLE Q	-140323.00	8102.01	9160.08	0.00	78.54	17.71	256.80
196	654.76	4	SLE Q	-137640.00	8102.01	9160.08	0.00	78.54	17.49	253.53
197	714.29	4	SLE Q	-136378.00	6269.76	7088.55	0.00	78.54	15.96	232.61
198	714.29	4	SLE Q	-133768.00	6269.76	7088.55	0.00	78.54	15.75	229.43
199	773.81	4	SLE Q	-132450.00	4671.67	5281.75	0.00	78.54	14.40	210.91
200	773.81	4	SLE Q	-129913.00	4671.67	5281.75	0.00	78.54	14.19	207.82
201	833.33	4	SLE Q	-128539.00	3306.42	3738.22	0.00	78.54	13.02	191.70
202	833.33	4	SLE Q	-126074.00	3306.42	3738.22	0.00	78.54	12.82	188.69
203	892.86	4	SLE Q	-124644.00	2164.69	2447.39	0.00	78.54	11.81	174.87
204	892.86	4	SLE Q	-122251.00	2164.69	2447.39	0.00	78.54	11.62	171.96
205	952.38	4	SLE Q	-120765.00	1231.46	1392.28	0.00	78.54	10.77	160.27
206	952.38	4	SLE Q	-118444.00	1231.46	1392.28	0.00	78.54	10.59	157.44
207	1011.90	4	SLE Q	-116902.00	488.00	551.74	0.00	78.54	9.88	147.69
208	1011.90	4	SLE Q	-114652.00	488.00	551.74	0.00	78.54	9.70	144.95
209	1071.43	4	SLE Q	-113053.00	-86.53	-97.83	0.00	78.54	9.26	138.76
210	1071.43	4	SLE Q	-110874.00	-86.53	-97.83	0.00	78.54	9.08	136.10
211	1130.95	4	SLE Q	-109219.00	-513.82	-580.92	0.00	78.54	9.28	138.62
212	1130.95	4	SLE Q	-107110.00	-513.82	-580.92	0.00	78.54	9.11	136.05
213	1190.48	4	SLE Q	-105399.00	-815.40	-921.88	0.00	78.54	9.20	137.17
214	1190.48	4	SLE Q	-103360.00	-815.40	-921.88	0.00	78.54	9.04	134.68
215	1250.00	4	SLE Q	-101592.00	-1011.92	-1144.06	0.00	78.54	9.04	134.61
216	1250.00	4	SLE Q	-99623.50	-1011.92	-1144.06	0.00	78.54	8.88	132.21
217	1309.52	4	SLE Q	-97797.60	-1122.61	-1269.22	0.00	78.54	8.82	131.16
218	1309.52	4	SLE Q	-95899.30	-1122.61	-1269.22	0.00	78.54	8.67	128.85
219	1369.05	4	SLE Q	-94015.90	-1165.00	-1317.14	0.00	78.54	8.55	127.00
220	1369.05	4	SLE Q	-92187.20	-1165.00	-1317.14	0.00	78.54	8.40	124.77
221	1428.57	4	SLE Q	-90246.10	-1154.64	-1305.43	0.00	78.54	8.23	122.29
222	1428.57	4	SLE Q	-88486.80	-1154.64	-1305.43	0.00	78.54	8.09	120.15
223	1488.10	4	SLE Q	-86487.80	-1105.12	-1249.44	0.00	78.54	7.89	117.19
224	1488.10	4	SLE Q	-84797.70	-1105.12	-1249.44	0.00	78.54	7.75	115.13
225	1547.62	4	SLE Q	-82740.50	-1028.01	-1162.26	0.00	78.54	7.52	111.80
226	1547.62	4	SLE Q	-81119.40	-1028.01	-1162.26	0.00	78.54	7.39	109.82
227	1607.14	4	SLE Q	-79003.70	-933.00	-1054.85	0.00	78.54	7.15	106.23
228	1607.14	4	SLE Q	-77451.30	-933.00	-1054.85	0.00	78.54	7.02	104.34
229	1666.67	4	SLE Q	-75276.90	-828.01	-936.15	0.00	78.54	6.76	100.57
230	1666.67	4	SLE Q	-73793.10	-828.01	-936.15	0.00	78.54	6.64	98.76
231	1726.19	4	SLE Q	-71559.60	-719.36	-813.30	0.00	78.54	6.38	94.89
232	1726.19	4	SLE Q	-70144.30	-719.36	-813.30	0.00	78.54	6.26	93.16
233	1785.71	4	SLE Q	-67851.50	-611.92	-691.84	0.00	78.54	5.99	89.23
234	1785.71	4	SLE Q	-66504.30	-611.92	-691.84	0.00	78.54	5.88	87.58
235	1845.24	4	SLE Q	-64152.00	-509.36	-575.88	0.00	78.54	5.61	83.63
236	1845.24	4	SLE Q	-62872.80	-509.36	-575.88	0.00	78.54	5.51	82.07
237	1904.76	4	SLE Q	-60460.60	-414.26	-468.36	0.00	78.54	5.24	78.12
238	1904.76	4	SLE Q	-59249.30	-414.26	-468.36	0.00	78.54	5.14	76.64
239	1964.29	4	SLE Q	-56776.90	-328.35	-371.23	0.00	78.54	4.87	72.71
240	1964.29	4	SLE Q	-55633.30	-328.35	-371.23	0.00	78.54	4.78	71.32
241	2023.81	4	SLE Q	-53100.40	-252.64	-285.64	0.00	78.54	4.51	67.43
242	2023.81	4	SLE Q	-52024.30	-252.64	-285.64	0.00	78.54	4.43	66.11
243	2083.33	4	SLE Q	-49430.60	-187.57	-212.07	0.00	78.54	4.16	62.26
244	2083.33	4	SLE Q	-48422.00	-187.57	-212.07	0.00	78.54	4.08	61.03
245	2142.86	4	SLE Q	-45767.10	-133.15	-150.53	0.00	78.54	3.82	57.22
246	2142.86	4	SLE Q	-44825.80	-133.15	-150.53	0.00	78.54	3.75	56.07
247	2202.38	4	SLE Q	-42109.40	-89.05	-100.68	0.00	78.54	3.49	52.29
248	2202.38	4	SLE Q	-41235.30	-89.05	-100.68	0.00	78.54	3.42	51.22
249	2261.90	4	SLE Q	-38457.10	-54.73	-61.87	0.00	78.54	3.17	47.47
250	2261.90	4	SLE Q	-37650.10	-54.73	-61.87	0.00	78.54	3.10	46.49

251	2321.43	4	SLE Q	-34809.70	-29.49	-33.34	0.00	78.54	2.85	42.75
252	2321.43	4	SLE Q	-34069.60	-29.49	-33.34	0.00	78.54	2.79	41.85
253	2380.95	4	SLE Q	-31166.60	-12.52	-14.16	0.00	78.54	2.54	38.13
254	2380.95	4	SLE Q	-30493.50	-12.52	-14.16	0.00	78.54	2.49	37.31
255	2440.48	4	SLE Q	-27527.60	-2.98	-3.37	0.00	78.54	2.24	33.59
256	2440.48	4	SLE Q	-26921.20	-2.98	-3.37	0.00	78.54	2.19	32.86
257	2500.00	4	SLE Q	-23892.00	0.00	0.00	0.00	78.54	1.94	29.13
258	2500.00	4	SLE Q	-23352.30	0.00	0.00	0.00	78.54	1.90	28.47

Stato limite d'esercizio – Verifiche a fessurazione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	c <mm>	s <mm>	K_2	Φ_{eq}	Δ_{sm} <mm>	A_s <cmq>	$A_{c\ eff}$ <cmq>	σ_s <daN/cmq>	ε_{sm}	Wk <mm>
173	0.00	4	SLE Q	-178611.00	29490.60	26084.20	46.00	136.36	0.50	20.00	234.80	3.14	224.31	74.78	0.02	0.01
174	0.00	4	SLE Q	-178611.00	29490.60	26084.20	46.00	136.36	0.50	20.00	234.80	3.14	224.31	74.78	0.02	0.01
175	59.52	4	SLE Q	-178286.00	30852.40	27288.70	46.00	136.36	0.50	20.00	179.56	6.28	275.09	95.02	0.03	0.01
176	59.52	4	SLE Q	-177406.00	30852.40	27288.70	46.00	136.36	0.50	20.00	181.34	6.28	280.66	96.83	0.03	0.01
177	119.05	4	SLE Q	-175483.00	30765.90	27212.20	46.00	136.36	0.50	20.00	153.51	9.42	289.85	99.54	0.03	0.01
178	119.05	4	SLE Q	-173337.00	30765.90	27212.20	46.00	136.36	0.50	20.00	156.52	9.42	304.03	104.13	0.03	0.01
179	178.57	4	SLE Q	-172210.00	29597.10	26178.40	46.00	136.36	0.50	20.00	177.13	6.28	267.44	88.75	0.03	0.01
180	178.57	4	SLE Q	-169289.00	29597.10	26178.40	46.00	136.36	0.50	20.00	152.83	9.42	286.66	94.77	0.03	0.01
181	238.09	4	SLE Q	-168465.00	27659.10	24464.20	46.00	136.36	0.50	20.00	231.08	3.14	218.46	68.37	0.02	0.01
182	238.09	4	SLE Q	-165263.00	27659.10	24464.20	46.00	136.36	0.50	20.00	167.94	6.28	238.58	74.40	0.02	0.01
184	297.62	4	SLE Q	-161258.00	25214.20	22301.70	46.00	136.36	0.50	20.00	200.26	3.14	170.05	48.76	0.01	0.00
259	0.00	3	SLE F	-178611.00	29490.60	26084.20	46.00	136.36	0.50	20.00	234.80	3.14	224.31	74.78	0.02	0.01
260	0.00	3	SLE F	-178611.00	29490.60	26084.20	46.00	136.36	0.50	20.00	234.80	3.14	224.31	74.78	0.02	0.01
261	59.52	3	SLE F	-178286.00	30852.40	27288.70	46.00	136.36	0.50	20.00	179.56	6.28	275.09	95.02	0.03	0.01
262	59.52	3	SLE F	-177406.00	30852.40	27288.70	46.00	136.36	0.50	20.00	181.34	6.28	280.66	96.83	0.03	0.01
263	119.05	3	SLE F	-175483.00	30765.90	27212.20	46.00	136.36	0.50	20.00	153.51	9.42	289.85	99.54	0.03	0.01
264	119.05	3	SLE F	-173337.00	30765.90	27212.20	46.00	136.36	0.50	20.00	156.52	9.42	304.03	104.13	0.03	0.01
265	178.57	3	SLE F	-172210.00	29597.10	26178.40	46.00	136.36	0.50	20.00	177.13	6.28	267.44	88.75	0.03	0.01
266	178.57	3	SLE F	-169289.00	29597.10	26178.40	46.00	136.36	0.50	20.00	152.83	9.42	286.66	94.77	0.03	0.01
267	238.09	3	SLE F	-168465.00	27659.10	24464.20	46.00	136.36	0.50	20.00	231.08	3.14	218.46	68.37	0.02	0.01
268	238.09	3	SLE F	-165263.00	27659.10	24464.20	46.00	136.36	0.50	20.00	167.94	6.28	238.58	74.40	0.02	0.01
270	297.62	3	SLE F	-161258.00	25214.20	22301.70	46.00	136.36	0.50	20.00	200.26	3.14	170.05	48.76	0.01	0.00

Verifiche principali

Caso	Tipo
6	SLU N cost – min. sic.
15	SLU Taglio – min. sic. c.a.,SLU Taglio – min. sic. acciaio
89	C.Rare – Sc min (max compr.),C.Rare – Sf min (max compr.)
92	C.Rare – Sf max (max traz.)
104	C.Rare – Sc max (min. compr.)
175	C.Q.Per. – Sc min (max compr.),C.Q.Per. – Sf min (max compr.)
176	C.Q.Per. – Wk Max
178	C.Q.Per. – Sf max (max traz.)
190	C.Q.Per. – Sc max (min. compr.)
262	C.Freq – Wk Max

Palo n. 3

Caratteristiche del palo e dei materiali utilizzati

R <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
60.00	6.00	C30/37	307.10	20.59	174.02	13.73	B450C	4300.00	3913.04

Le sollecitazioni nei pali vengono calcolate oltre che per l'effetto delle reazioni vincolari anche considerando i seguenti effetti

Azioni ed effetti comuni

Az	N <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
PP	0.00	0.00	0.00	
SVR	0.00			

Azioni ed effetti – Plinto/Palo n. 3 (-150)

Caso	CC	TCC	Az	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	RVN	319722.00	6144.62	-739.10	11882.00	-38879.70
	1	SLU	TAG				0.00	0.00
	1	SLU	ECC				0.00	0.00
	1	SLU	TOT	319722.00	6144.62	-739.10	11882.00	-38879.70
2	2	SLE R	RVN	236831.00	4551.57	-547.48	8801.48	-28799.80
	2	SLE R	TAG				0.00	0.00
	2	SLE R	ECC				0.00	0.00
	2	SLE R	TOT	236831.00	4551.57	-547.48	8801.48	-28799.80
3	3	SLE F	RVN	236831.00	4551.57	-547.48	8801.48	-28799.80
	3	SLE F	TAG				0.00	0.00
	3	SLE F	ECC				0.00	0.00

	3	SLE F	TOT	236831.00	4551.57	-547.48	8801.48	-28799.80
4	4	SLE Q	RVN	236831.00	4551.57	-547.48	8801.48	-28799.80
	4	SLE Q	TAG				0.00	0.00
	4	SLE Q	ECC				0.00	0.00
	4	SLE Q	TOT	236831.00	4551.57	-547.48	8801.48	-28799.80

Sollecitazioni nei pali

Caso	CC	TCC	Palo	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	1	-319722.00	-6144.62	739.10	-11882.00	38879.70
2	2	SLE R	1	-236831.00	-4551.57	547.48	-8801.48	28799.80
3	3	SLE F	1	-236831.00	-4551.57	547.48	-8801.48	28799.80
4	4	SLE Q	1	-236831.00	-4551.57	547.48	-8801.48	28799.80

Da 0 a -25

Stato limite ultimo - Verifiche a flessione/pressoflessione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	Rott.	α <grad>	Sic.
1	0.00	1	SLU	-319722.00	11749.80	38447.20	-319722.00	78296.00	249760.00	2-3	107.50	6.511
2	59.52	1	SLU	-319398.00	12457.80	40763.60	-319398.00	78269.60	249667.00	2-3	107.50	6.138
3	119.05	1	SLU	-316595.00	12541.30	41037.00	-316595.00	78041.40	248865.00	2-3	107.50	6.078
4	178.57	1	SLU	-313321.00	12153.90	39769.30	-313321.00	77774.50	247927.00	2-3	107.50	6.248
5	238.09	1	SLU	-309577.00	11427.40	37392.20	-309577.00	77468.30	246850.00	2-3	107.50	6.617
6	297.62	1	SLU	-305362.00	10472.90	34268.90	-305362.00	77121.90	245630.00	2-3	107.50	7.185
7	357.14	1	SLU	-300676.00	9381.76	30698.50	-300676.00	76736.00	244272.00	2-3	107.50	7.976
8	416.67	1	SLU	-295519.00	8227.37	26921.20	-2571250.00	76308.90	242764.00	2-3	107.50	8.701
9	476.19	1	SLU	-289892.00	7066.99	23124.20	-2571250.00	75841.20	241115.00	2-3	107.50	8.870
10	535.71	1	SLU	-283795.00	5943.77	19448.90	-2571250.00	75331.60	239313.00	2-3	107.50	9.060
11	595.24	1	SLU	-277227.00	4888.71	15996.60	-2571250.00	74780.10	237362.00	2-3	107.50	9.275
12	654.76	1	SLU	-270188.00	3922.58	12835.30	-2571250.00	71608.00	236009.00	2-3	106.88	9.517
13	714.29	1	SLU	-262679.00	3057.79	10005.60	-2571250.00	70979.60	233743.00	2-3	106.88	9.789
14	773.81	1	SLU	-254910.00	2299.98	7525.88	-2571250.00	70326.20	231383.00	2-3	106.88	10.087
15	833.33	1	SLU	-247175.00	1649.54	5397.55	-2571250.00	69671.90	229018.00	2-3	106.88	10.403
16	892.86	1	SLU	-239470.00	1102.92	3608.93	-2571250.00	69017.00	226647.00	2-3	106.88	10.737
17	952.38	1	SLU	-231796.00	653.74	2139.13	-2571250.00	68361.30	224267.00	2-3	106.88	11.093
18	1011.90	1	SLU	-224152.00	293.70	961.04	-2571250.00	67705.20	221882.00	2-3	106.88	11.471
19	1071.43	1	SLU	-216535.00	13.41	43.89	-2571250.00	67048.80	219492.00	2-3	106.88	11.874
20	1130.95	1	SLU	-208947.00	-197.04	-644.74	-2571250.00	-68087.50	-216459.00	2-3	287.50	12.306
21	1190.48	1	SLU	-201385.00	-347.59	-1137.36	-2571250.00	-67383.80	-213958.00	2-3	287.50	12.768
22	1250.00	1	SLU	-193848.00	-447.82	-1465.33	-2571250.00	-64348.50	-212123.00	2-3	286.88	13.264
23	1309.52	1	SLU	-186336.00	-506.73	-1658.09	-2571250.00	-63653.50	-209601.00	2-3	286.88	13.799
24	1369.05	1	SLU	-178848.00	-532.54	-1742.55	-2571250.00	-62957.90	-207072.00	2-3	286.88	14.377
25	1428.57	1	SLU	-171382.00	-532.61	-1742.77	-2571250.00	-62261.80	-204534.00	2-3	286.88	15.003
26	1488.10	1	SLU	-163938.00	-513.36	-1679.79	-2571250.00	-61565.40	-201986.00	2-3	286.88	15.684
27	1547.62	1	SLU	-156515.00	-480.32	-1571.68	-2571250.00	-60868.90	-199432.00	2-3	286.88	16.428
28	1607.14	1	SLU	-149112.00	-438.13	-1433.63	-2571250.00	-60172.00	-196871.00	2-3	286.88	17.244
29	1666.67	1	SLU	-141728.00	-390.59	-1278.08	-2571250.00	-59475.50	-194301.00	2-3	286.88	18.142
30	1726.19	1	SLU	-134362.00	-340.77	-1115.06	-2571250.00	-58779.50	-191722.00	2-3	286.88	19.137
31	1785.71	1	SLU	-127012.00	-291.05	-952.36	-2571250.00	-58026.20	-189137.00	2-3	286.88	20.244
32	1845.24	1	SLU	-119679.00	-243.23	-795.88	-2571250.00	-57060.90	-186542.00	2-3	286.88	21.485
33	1904.76	1	SLU	-112362.00	-198.60	-649.85	-2571250.00	-56086.00	-183936.00	2-3	286.88	22.884
34	1964.29	1	SLU	-105058.00	-158.05	-517.16	-2571250.00	-55103.20	-181322.00	2-3	286.88	24.475
35	2023.81	1	SLU	-97767.70	-122.11	-399.57	-2571250.00	-56036.00	-178066.00	2-3	287.50	26.300
36	2083.33	1	SLU	-90489.80	-91.06	-297.95	-2571250.00	-55025.20	-175439.00	2-3	287.50	28.415
37	2142.86	1	SLU	-83223.50	-64.93	-212.47	-2571250.00	-54006.20	-172804.00	2-3	287.50	30.896
38	2202.38	1	SLU	-75967.70	-43.64	-142.79	-2571250.00	-52976.10	-170160.00	2-3	287.50	33.847
39	2261.90	1	SLU	-68721.50	-26.96	-88.22	-2571250.00	-51941.60	-167507.00	2-3	287.50	37.416
40	2321.43	1	SLU	-61484.10	-14.61	-47.80	-2571250.00	-51142.70	-164681.00	2-3	287.50	41.820
41	2380.95	1	SLU	-54254.50	-6.24	-20.42	-2571250.00	-50363.90	-161824.00	2-3	287.50	47.392
42	2440.48	1	SLU	-47031.80	-1.50	-4.90	-2571250.00	-49598.50	-158938.00	2-3	287.50	54.670
43	2500.00	1	SLU	-39815.10	0.00	0.00	-2571250.00					64.580

Stato limite ultimo - Verifiche a taglio

Caso	X <cm>	CC	TCC	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1	0.00	1	SLU	6144.62	-739.10	0.85	11.31	6188.91	1.00	32294.70	377465.00	32294.70	5.218
2	59.52	1	SLU	2102.21	-252.86	0.85	11.31	2117.36	1.00	32294.70	377418.00	32294.70	15.252
3	119.05	1	SLU	-1002.81	120.62	0.85	11.31	1010.04	1.00	32294.70	377017.00	32294.70	31.974
4	178.57	1	SLU	-3293.87	396.20	0.85	11.31	3317.61	1.00	32294.70	376548.00	32294.70	9.734
5	238.09	1	SLU	-4892.71	588.52	0.85	11.31	4927.97	1.00	32294.70	376012.00	32294.70	6.553
6	297.62	1	SLU	-5915.38	711.53	0.85	11.31	5958.02	1.00	32294.70	375408.00	32294.70	5.420
7	357.14	1	SLU	-6469.55	778.19	0.85	11.31	6516.18	1.00	32294.70	374737.00	32294.70	4.956
8	416.67	1	SLU	-6652.71	800.22	0.85	11.31	6700.67	1.00	32294.70	373998.00	32294.70	4.820
9	476.19	1	SLU	-6551.26	788.01	0.85	11.31	6598.48	1.00	32294.70	373192.00	32294.70	4.894
10	535.71	1	SLU	-6240.12	750.59	0.85	11.31	6285.10	1.00	32294.70	372319.00	32294.70	5.138

11	595.24	1	SLU	-5783.01	695.61	0.85	11.31	5824.69	1.00	32294.70	371378.00	32294.70	5.544
12	654.76	1	SLU	-5232.89	629.43	0.85	11.31	5270.61	1.00	32294.70	370370.00	32294.70	6.127
13	714.29	1	SLU	-4632.80	557.25	0.85	11.31	4666.19	1.00	32294.70	369294.00	32294.70	6.921
14	773.81	1	SLU	-4016.79	483.16	0.85	11.31	4045.74	1.00	32294.70	368181.00	32294.70	7.982
15	833.33	1	SLU	-3410.94	410.28	0.85	11.31	3435.52	1.00	32294.70	367073.00	32294.70	9.400
16	892.86	1	SLU	-2834.44	340.94	0.85	11.31	2854.87	1.00	32294.70	365970.00	32294.70	11.312
17	952.38	1	SLU	-2300.61	276.73	0.85	11.31	2317.20	1.00	32294.70	364870.00	32294.70	13.937
18	1011.90	1	SLU	-1817.91	218.67	0.85	11.31	1831.02	1.00	32294.70	363775.00	32294.70	17.638
19	1071.43	1	SLU	-1390.85	167.30	0.85	11.31	1400.87	1.00	32294.70	362684.00	32294.70	23.053
20	1130.95	1	SLU	-1020.79	122.78	0.85	11.31	1028.15	1.00	32294.70	361597.00	32294.70	31.410
21	1190.48	1	SLU	-706.73	85.01	0.85	11.31	711.83	1.00	32294.70	360514.00	32294.70	45.369
22	1250.00	1	SLU	-445.91	53.64	0.85	11.31	449.12	1.00	32294.70	359435.00	32294.70	71.906
23	1309.52	1	SLU	-234.34	28.19	0.85	11.31	236.03	1.00	32294.70	358359.00	32294.70	>100
24	1369.05	1	SLU	-67.28	8.09	0.85	11.31	67.76	1.00	32294.70	357286.00	32294.70	>100
25	1428.57	1	SLU	60.42	-7.27	0.85	11.31	60.85	1.00	32294.70	356217.00	32294.70	>100
26	1488.10	1	SLU	154.02	-18.53	0.85	11.31	155.13	1.00	32294.70	355151.00	32294.70	>100
27	1547.62	1	SLU	218.68	-26.30	0.85	11.31	220.25	1.00	32294.70	354087.00	32294.70	>100
28	1607.14	1	SLU	259.29	-31.19	0.85	11.31	261.16	1.00	32294.70	353027.00	32294.70	>100
29	1666.67	1	SLU	280.39	-33.73	0.85	11.31	282.41	1.00	32294.70	351969.00	32294.70	>100
30	1726.19	1	SLU	286.03	-34.40	0.85	11.31	288.09	1.00	32294.70	350914.00	32294.70	>100
31	1785.71	1	SLU	279.81	-33.66	0.85	11.31	281.83	1.00	32294.70	349861.00	32294.70	>100
32	1845.24	1	SLU	264.83	-31.86	0.85	11.31	266.74	1.00	32294.70	348811.00	32294.70	>100
33	1904.76	1	SLU	243.72	-29.32	0.85	11.31	245.47	1.00	32294.70	347763.00	32294.70	>100
34	1964.29	1	SLU	218.63	-26.30	0.85	11.31	220.20	1.00	32294.70	346717.00	32294.70	>100
35	2023.81	1	SLU	191.31	-23.01	0.85	11.31	192.69	1.00	32294.70	345672.00	32294.70	>100
36	2083.33	1	SLU	163.14	-19.62	0.85	11.31	164.31	1.00	32294.70	344630.00	32294.70	>100
37	2142.86	1	SLU	135.15	-16.26	0.85	11.31	136.12	1.00	32294.70	343589.00	32294.70	>100
38	2202.38	1	SLU	108.11	-13.00	0.85	11.31	108.89	1.00	32294.70	342550.00	32294.70	>100
39	2261.90	1	SLU	82.54	-9.93	0.85	11.31	83.13	1.00	32294.70	341512.00	32294.70	>100
40	2321.43	1	SLU	58.79	-7.07	0.85	11.31	59.21	1.00	32294.70	340475.00	32294.70	>100
41	2380.95	1	SLU	37.06	-4.46	0.85	11.31	37.33	1.00	32294.70	339439.00	32294.70	>100
42	2440.48	1	SLU	17.45	-2.10	0.85	11.31	17.58	1.00	32294.70	338405.00	32294.70	>100

Verifiche stato limite d'esercizio

Caso	X <cm>	CC	TCC	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ_C <daN/cmq>	σ_f <daN/cmq>
44	0.00	2	SLE R	-236831.00	28479.40	8703.58	0.00	78.54	34.66	498.17
45	0.00	2	SLE R	-236831.00	28479.40	8703.58	0.00	78.54	34.66	498.17
46	59.52	2	SLE R	-236507.00	30195.30	9227.97	0.00	78.54	35.56	510.39
47	59.52	2	SLE R	-234958.00	30195.30	9227.97	0.00	78.54	35.44	508.50
48	119.05	2	SLE R	-233704.00	30397.80	9289.84	0.00	78.54	35.45	508.46
49	119.05	2	SLE R	-229530.00	30397.80	9289.84	0.00	78.54	35.11	503.37
50	178.57	2	SLE R	-230430.00	29458.70	9002.87	0.00	78.54	34.67	497.57
51	178.57	2	SLE R	-224118.00	29458.70	9002.87	0.00	78.54	34.16	489.87
52	238.09	2	SLE R	-226686.00	27697.90	8464.74	0.00	78.54	33.41	480.05
53	238.09	2	SLE R	-218734.00	27697.90	8464.74	0.00	78.54	32.77	470.36
54	297.62	2	SLE R	-222471.00	25384.40	7757.71	0.00	78.54	31.82	457.90
55	297.62	2	SLE R	-213379.00	25384.40	7757.71	0.00	78.54	31.08	446.82
56	357.14	2	SLE R	-217785.00	22739.70	6949.45	0.00	78.54	30.01	432.74
57	357.14	2	SLE R	-208050.00	22739.70	6949.45	0.00	78.54	29.22	420.87
58	416.67	2	SLE R	-212628.00	19941.60	6094.35	0.00	78.54	28.07	405.88
59	416.67	2	SLE R	-202748.00	19941.60	6094.35	0.00	78.54	27.27	393.83
60	476.19	2	SLE R	-207092.00	17129.10	5234.81	0.00	78.54	26.10	378.45
61	476.19	2	SLE R	-197472.00	17129.10	5234.81	0.00	78.54	25.32	366.72
62	535.71	2	SLE R	-201581.00	14406.60	4402.79	0.00	78.54	24.18	351.71
63	535.71	2	SLE R	-192221.00	14406.60	4402.79	0.00	78.54	23.42	340.30
64	595.24	2	SLE R	-196096.00	11849.30	3621.26	0.00	78.54	22.35	326.22
65	595.24	2	SLE R	-186994.00	11849.30	3621.26	0.00	78.54	21.61	315.12
66	654.76	2	SLE R	-190636.00	9507.61	2905.62	0.00	78.54	20.64	302.34
67	654.76	2	SLE R	-181791.00	9507.61	2905.62	0.00	78.54	19.92	291.56
68	714.29	2	SLE R	-185200.00	7411.52	2265.03	0.00	78.54	19.06	280.30
69	714.29	2	SLE R	-176611.00	7411.52	2265.03	0.00	78.54	18.37	269.83
70	773.81	2	SLE R	-179788.00	5574.72	1703.69	0.00	78.54	17.63	260.20
71	773.81	2	SLE R	-171453.00	5574.72	1703.69	0.00	78.54	16.95	250.03
72	833.33	2	SLE R	-174399.00	3998.18	1221.88	0.00	78.54	16.34	242.03
73	833.33	2	SLE R	-166317.00	3998.18	1221.88	0.00	78.54	15.68	232.18
74	892.86	2	SLE R	-169031.00	2673.28	816.98	0.00	78.54	15.19	225.75
75	892.86	2	SLE R	-161203.00	2673.28	816.98	0.00	78.54	14.55	216.20
76	952.38	2	SLE R	-163685.00	1584.54	484.25	0.00	78.54	14.16	211.22
77	952.38	2	SLE R	-156108.00	1584.54	484.25	0.00	78.54	13.55	201.99
78	1011.90	2	SLE R	-158360.00	711.88	217.56	0.00	78.54	13.26	198.31
79	1011.90	2	SLE R	-151034.00	711.88	217.56	0.00	78.54	12.66	189.38
80	1071.43	2	SLE R	-153055.00	32.51	9.94	0.00	78.54	12.46	186.85
81	1071.43	2	SLE R	-145979.00	32.51	9.94	0.00	78.54	11.88	178.22
82	1130.95	2	SLE R	-147770.00	-477.59	-145.96	0.00	78.54	12.27	183.67
83	1130.95	2	SLE R	-140942.00	-477.59	-145.96	0.00	78.54	11.71	175.35
84	1190.48	2	SLE R	-142503.00	-842.49	-257.47	0.00	78.54	12.04	179.93

85	1190.48	2	SLE R	-135923.00	-842.49	-257.47	0.00	78.54	11.50	171.91
86	1250.00	2	SLE R	-137254.00	-1085.43	-331.72	0.00	78.54	11.74	175.31
87	1250.00	2	SLE R	-130922.00	-1085.43	-331.72	0.00	78.54	11.23	167.59
88	1309.52	2	SLE R	-132023.00	-1228.22	-375.36	0.00	78.54	11.40	169.98
89	1309.52	2	SLE R	-125937.00	-1228.22	-375.36	0.00	78.54	10.90	162.56
90	1369.05	2	SLE R	-126808.00	-1290.78	-394.48	0.00	78.54	11.01	164.08
91	1369.05	2	SLE R	-120968.00	-1290.78	-394.48	0.00	78.54	10.53	156.96
92	1428.57	2	SLE R	-121610.00	-1290.94	-394.52	0.00	78.54	10.58	157.74
93	1428.57	2	SLE R	-116014.00	-1290.94	-394.52	0.00	78.54	10.13	150.92
94	1488.10	2	SLE R	-116427.00	-1244.29	-380.27	0.00	78.54	10.14	151.08
95	1488.10	2	SLE R	-111075.00	-1244.29	-380.27	0.00	78.54	9.70	144.56
96	1547.62	2	SLE R	-111259.00	-1164.21	-355.79	0.00	78.54	9.67	144.19
97	1547.62	2	SLE R	-106151.00	-1164.21	-355.79	0.00	78.54	9.26	137.97
98	1607.14	2	SLE R	-106105.00	-1061.95	-324.54	0.00	78.54	9.20	137.16
99	1607.14	2	SLE R	-101239.00	-1061.95	-324.54	0.00	78.54	8.80	131.23
100	1666.67	2	SLE R	-100964.00	-946.73	-289.33	0.00	78.54	8.72	130.05
101	1666.67	2	SLE R	-96340.90	-946.73	-289.33	0.00	78.54	8.34	124.41
102	1726.19	2	SLE R	-95836.30	-825.97	-252.42	0.00	78.54	8.24	122.91
103	1726.19	2	SLE R	-91454.70	-825.97	-252.42	0.00	78.54	7.88	117.57
104	1785.71	2	SLE R	-90720.70	-705.45	-215.59	0.00	78.54	7.76	115.79
105	1785.71	2	SLE R	-86580.10	-705.45	-215.59	0.00	78.54	7.42	110.74
106	1845.24	2	SLE R	-85616.60	-589.54	-180.17	0.00	78.54	7.28	108.71
107	1845.24	2	SLE R	-81716.50	-589.54	-180.17	0.00	78.54	6.96	103.96
108	1904.76	2	SLE R	-80523.30	-481.37	-147.11	0.00	78.54	6.81	101.71
109	1904.76	2	SLE R	-76863.30	-481.37	-147.11	0.00	78.54	6.51	97.25
110	1964.29	2	SLE R	-75440.30	-383.08	-117.07	0.00	78.54	6.34	94.79
111	1964.29	2	SLE R	-72019.80	-383.08	-117.07	0.00	78.54	6.06	90.62
112	2023.81	2	SLE R	-70366.90	-295.98	-90.45	0.00	78.54	5.88	87.97
113	2023.81	2	SLE R	-67185.50	-295.98	-90.45	0.00	78.54	5.62	84.09
114	2083.33	2	SLE R	-65302.40	-220.70	-67.45	0.00	78.54	5.43	81.24
115	2083.33	2	SLE R	-62359.70	-220.70	-67.45	0.00	78.54	5.19	77.65
116	2142.86	2	SLE R	-60246.20	-157.38	-48.10	0.00	78.54	4.98	74.61
117	2142.86	2	SLE R	-57541.80	-157.38	-48.10	0.00	78.54	4.76	71.31
118	2202.38	2	SLE R	-55197.60	-105.77	-32.33	0.00	78.54	4.54	68.08
119	2202.38	2	SLE R	-52731.20	-105.77	-32.33	0.00	78.54	4.34	65.07
120	2261.90	2	SLE R	-50156.10	-65.35	-19.97	0.00	78.54	4.11	61.63
121	2261.90	2	SLE R	-47927.40	-65.35	-19.97	0.00	78.54	3.93	58.91
122	2321.43	2	SLE R	-45120.90	-35.41	-10.82	0.00	78.54	3.69	55.27
123	2321.43	2	SLE R	-43129.60	-35.41	-10.82	0.00	78.54	3.52	52.85
124	2380.95	2	SLE R	-40091.50	-15.13	-4.62	0.00	78.54	3.27	48.99
125	2380.95	2	SLE R	-38337.30	-15.13	-4.62	0.00	78.54	3.12	46.85
126	2440.48	2	SLE R	-35067.10	-3.63	-1.11	0.00	78.54	2.85	42.78
127	2440.48	2	SLE R	-33549.80	-3.63	-1.11	0.00	78.54	2.73	40.93
128	2500.00	2	SLE R	-30047.20	0.00	0.00	0.00	78.54	2.44	36.63
129	2500.00	2	SLE R	-28766.60	0.00	0.00	0.00	78.54	2.34	35.07
130	0.00	4	SLE Q	-236831.00	28479.40	8703.58	0.00	78.54	34.66	498.17
131	0.00	4	SLE Q	-236831.00	28479.40	8703.58	0.00	78.54	34.66	498.17
132	59.52	4	SLE Q	-236507.00	30195.30	9227.97	0.00	78.54	35.56	510.39
133	59.52	4	SLE Q	-234958.00	30195.30	9227.97	0.00	78.54	35.44	508.50
134	119.05	4	SLE Q	-233704.00	30397.80	9289.84	0.00	78.54	35.45	508.46
135	119.05	4	SLE Q	-229530.00	30397.80	9289.84	0.00	78.54	35.11	503.37
136	178.57	4	SLE Q	-230430.00	29458.70	9002.87	0.00	78.54	34.67	497.57
137	178.57	4	SLE Q	-224118.00	29458.70	9002.87	0.00	78.54	34.16	489.87
138	238.09	4	SLE Q	-226686.00	27697.90	8464.74	0.00	78.54	33.41	480.05
139	238.09	4	SLE Q	-218734.00	27697.90	8464.74	0.00	78.54	32.77	470.36
140	297.62	4	SLE Q	-222471.00	25384.40	7757.71	0.00	78.54	31.82	457.90
141	297.62	4	SLE Q	-213379.00	25384.40	7757.71	0.00	78.54	31.08	446.82
142	357.14	4	SLE Q	-217785.00	22739.70	6949.45	0.00	78.54	30.01	432.74
143	357.14	4	SLE Q	-208050.00	22739.70	6949.45	0.00	78.54	29.22	420.87
144	416.67	4	SLE Q	-212628.00	19941.60	6094.35	0.00	78.54	28.07	405.88
145	416.67	4	SLE Q	-202748.00	19941.60	6094.35	0.00	78.54	27.27	393.83
146	476.19	4	SLE Q	-207092.00	17129.10	5234.81	0.00	78.54	26.10	378.45
147	476.19	4	SLE Q	-197472.00	17129.10	5234.81	0.00	78.54	25.32	366.72
148	535.71	4	SLE Q	-201581.00	14406.60	4402.79	0.00	78.54	24.18	351.71
149	535.71	4	SLE Q	-192221.00	14406.60	4402.79	0.00	78.54	23.42	340.30
150	595.24	4	SLE Q	-196096.00	11849.30	3621.26	0.00	78.54	22.35	326.22
151	595.24	4	SLE Q	-186994.00	11849.30	3621.26	0.00	78.54	21.61	315.12
152	654.76	4	SLE Q	-190636.00	9507.61	2905.62	0.00	78.54	20.64	302.34
153	654.76	4	SLE Q	-181791.00	9507.61	2905.62	0.00	78.54	19.92	291.56
154	714.29	4	SLE Q	-185200.00	7411.52	2265.03	0.00	78.54	19.06	280.30
155	714.29	4	SLE Q	-176611.00	7411.52	2265.03	0.00	78.54	18.37	269.83
156	773.81	4	SLE Q	-179788.00	5574.72	1703.69	0.00	78.54	17.63	260.20
157	773.81	4	SLE Q	-171453.00	5574.72	1703.69	0.00	78.54	16.95	250.03
158	833.33	4	SLE Q	-174399.00	3998.18	1221.88	0.00	78.54	16.34	242.03
159	833.33	4	SLE Q	-166317.00	3998.18	1221.88	0.00	78.54	15.68	232.18
160	892.86	4	SLE Q	-169031.00	2673.28	816.98	0.00	78.54	15.19	225.75

161	892.86	4	SLE Q	-161203.00	2673.28	816.98	0.00	78.54	14.55	216.20
162	952.38	4	SLE Q	-163685.00	1584.54	484.25	0.00	78.54	14.16	211.22
163	952.38	4	SLE Q	-156108.00	1584.54	484.25	0.00	78.54	13.55	201.99
164	1011.90	4	SLE Q	-158360.00	711.88	217.56	0.00	78.54	13.26	198.31
165	1011.90	4	SLE Q	-151034.00	711.88	217.56	0.00	78.54	12.66	189.38
166	1071.43	4	SLE Q	-153055.00	32.51	9.94	0.00	78.54	12.46	186.85
167	1071.43	4	SLE Q	-145979.00	32.51	9.94	0.00	78.54	11.88	178.22
168	1130.95	4	SLE Q	-147770.00	-477.59	-145.96	0.00	78.54	12.27	183.67
169	1130.95	4	SLE Q	-140942.00	-477.59	-145.96	0.00	78.54	11.71	175.35
170	1190.48	4	SLE Q	-142503.00	-842.49	-257.47	0.00	78.54	12.04	179.93
171	1190.48	4	SLE Q	-135923.00	-842.49	-257.47	0.00	78.54	11.50	171.91
172	1250.00	4	SLE Q	-137254.00	-1085.43	-331.72	0.00	78.54	11.74	175.31
173	1250.00	4	SLE Q	-130922.00	-1085.43	-331.72	0.00	78.54	11.23	167.59
174	1309.52	4	SLE Q	-132023.00	-1228.22	-375.36	0.00	78.54	11.40	169.98
175	1309.52	4	SLE Q	-125937.00	-1228.22	-375.36	0.00	78.54	10.90	162.56
176	1369.05	4	SLE Q	-126808.00	-1290.78	-394.48	0.00	78.54	11.01	164.08
177	1369.05	4	SLE Q	-120968.00	-1290.78	-394.48	0.00	78.54	10.53	156.96
178	1428.57	4	SLE Q	-121610.00	-1290.94	-394.52	0.00	78.54	10.58	157.74
179	1428.57	4	SLE Q	-116014.00	-1290.94	-394.52	0.00	78.54	10.13	150.92
180	1488.10	4	SLE Q	-116427.00	-1244.29	-380.27	0.00	78.54	10.14	151.08
181	1488.10	4	SLE Q	-111075.00	-1244.29	-380.27	0.00	78.54	9.70	144.56
182	1547.62	4	SLE Q	-111259.00	-1164.21	-355.79	0.00	78.54	9.67	144.19
183	1547.62	4	SLE Q	-106151.00	-1164.21	-355.79	0.00	78.54	9.26	137.97
184	1607.14	4	SLE Q	-106105.00	-1061.95	-324.54	0.00	78.54	9.20	137.16
185	1607.14	4	SLE Q	-101239.00	-1061.95	-324.54	0.00	78.54	8.80	131.23
186	1666.67	4	SLE Q	-100964.00	-946.73	-289.33	0.00	78.54	8.72	130.05
187	1666.67	4	SLE Q	-96340.90	-946.73	-289.33	0.00	78.54	8.34	124.41
188	1726.19	4	SLE Q	-95836.30	-825.97	-252.42	0.00	78.54	8.24	122.91
189	1726.19	4	SLE Q	-91454.70	-825.97	-252.42	0.00	78.54	7.88	117.57
190	1785.71	4	SLE Q	-90720.70	-705.45	-215.59	0.00	78.54	7.76	115.79
191	1785.71	4	SLE Q	-86580.10	-705.45	-215.59	0.00	78.54	7.42	110.74
192	1845.24	4	SLE Q	-85616.60	-589.54	-180.17	0.00	78.54	7.28	108.71
193	1845.24	4	SLE Q	-81716.50	-589.54	-180.17	0.00	78.54	6.96	103.96
194	1904.76	4	SLE Q	-80523.30	-481.37	-147.11	0.00	78.54	6.81	101.71
195	1904.76	4	SLE Q	-76863.30	-481.37	-147.11	0.00	78.54	6.51	97.25
196	1964.29	4	SLE Q	-75440.30	-383.08	-117.07	0.00	78.54	6.34	94.79
197	1964.29	4	SLE Q	-72019.80	-383.08	-117.07	0.00	78.54	6.06	90.62
198	2023.81	4	SLE Q	-70366.90	-295.98	-90.45	0.00	78.54	5.88	87.97
199	2023.81	4	SLE Q	-67185.50	-295.98	-90.45	0.00	78.54	5.62	84.09
200	2083.33	4	SLE Q	-65302.40	-220.70	-67.45	0.00	78.54	5.43	81.24
201	2083.33	4	SLE Q	-62359.70	-220.70	-67.45	0.00	78.54	5.19	77.65
202	2142.86	4	SLE Q	-60246.20	-157.38	-48.10	0.00	78.54	4.98	74.61
203	2142.86	4	SLE Q	-57541.80	-157.38	-48.10	0.00	78.54	4.76	71.31
204	2202.38	4	SLE Q	-55197.60	-105.77	-32.33	0.00	78.54	4.54	68.08
205	2202.38	4	SLE Q	-52731.20	-105.77	-32.33	0.00	78.54	4.34	65.07
206	2261.90	4	SLE Q	-50156.10	-65.35	-19.97	0.00	78.54	4.11	61.63
207	2261.90	4	SLE Q	-47927.40	-65.35	-19.97	0.00	78.54	3.93	58.91
208	2321.43	4	SLE Q	-45120.90	-35.41	-10.82	0.00	78.54	3.69	55.27
209	2321.43	4	SLE Q	-43129.60	-35.41	-10.82	0.00	78.54	3.52	52.85
210	2380.95	4	SLE Q	-40091.50	-15.13	-4.62	0.00	78.54	3.27	48.99
211	2380.95	4	SLE Q	-38337.30	-15.13	-4.62	0.00	78.54	3.12	46.85
212	2440.48	4	SLE Q	-35067.10	-3.63	-1.11	0.00	78.54	2.85	42.78
213	2440.48	4	SLE Q	-33549.80	-3.63	-1.11	0.00	78.54	2.73	40.93
214	2500.00	4	SLE Q	-30047.20	0.00	0.00	0.00	78.54	2.44	36.63
215	2500.00	4	SLE Q	-28766.60	0.00	0.00	0.00	78.54	2.34	35.07

Verifiche principali

Caso	Tipo
3	SLU N cost - min. sic.
8	SLU Taglio - min. sic. c.a.,SLU Taglio - min. sic. acciaio
46	C.Rare - Sc min (max compr.),C.Rare - Sf min (max compr.)
49	C.Rare - Sc max (min. compr.)
129	C.Rare - Sf max (max traz.)
132	C.Q.Per. - Sc min (max compr.),C.Q.Per. - Sf min (max compr.)
135	C.Q.Per. - Sc max (min. compr.)
215	C.Q.Per. - Sf max (max traz.)

Palo n. 4

Caratteristiche del palo e dei materiali utilizzati

R <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
60.00	6.00	C30/37	307.10	20.59	174.02	13.73	B450C	4300.00	3913.04

Le sollecitazioni nei pali vengono calcolate oltre che per l'effetto delle reazioni vincolari anche considerando i seguenti effetti

Azioni ed effetti comuni

Az	N <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
PP	0.00	0.00	0.00	
SVR	0.00			

Azioni ed effetti - Plinto/Palo n. 4 (-164)

Caso	CC	TCC	Az	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	RVN	366998.00	5828.69	-281.83	-12649.60	-16712.80
	1	SLU	TAG				0.00	0.00
	1	SLU	ECC				0.00	0.00
	1	SLU	TOT	366998.00	5828.69	-281.83	-12649.60	-16712.80
2	2	SLE R	RVN	271850.00	4317.55	-208.76	-9370.07	-12379.80
	2	SLE R	TAG				0.00	0.00
	2	SLE R	ECC				0.00	0.00
	2	SLE R	TOT	271850.00	4317.55	-208.76	-9370.07	-12379.80
3	3	SLE F	RVN	271850.00	4317.55	-208.76	-9370.07	-12379.80
	3	SLE F	TAG				0.00	0.00
	3	SLE F	ECC				0.00	0.00
	3	SLE F	TOT	271850.00	4317.55	-208.76	-9370.07	-12379.80
4	4	SLE Q	RVN	271850.00	4317.55	-208.76	-9370.07	-12379.80
	4	SLE Q	TAG				0.00	0.00
	4	SLE Q	ECC				0.00	0.00
	4	SLE Q	TOT	271850.00	4317.55	-208.76	-9370.07	-12379.80

Sollecitazioni nei pali

Caso	CC	TCC	Palo	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	1	-366998.00	-5828.69	281.83	12649.60	16712.80
2	2	SLE R	1	-271850.00	-4317.55	208.76	9370.07	12379.80
3	3	SLE F	1	-271850.00	-4317.55	208.76	9370.07	12379.80
4	4	SLE Q	1	-271850.00	-4317.55	208.76	9370.07	12379.80

Da 0 a -25

Stato limite ultimo - Verifiche a flessione/pressoflessione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	Rott.	α <grad>	Sic.
1	0.00	1	SLU	-366998.00	-12463.80	16467.30	-2571250.00	-167195.00	218117.00	2-3	52.50	7.006
2	59.52	1	SLU	-366673.00	-14037.90	18547.10	-2571250.00	-167142.00	218046.00	2-3	52.50	7.012
3	119.05	1	SLU	-363870.00	-14714.00	19440.20	-2571250.00	-166688.00	217438.00	2-3	52.50	7.066
4	178.57	1	SLU	-360596.00	-14692.60	19412.00	-2571250.00	-166154.00	216721.00	2-3	52.50	7.131
5	238.09	1	SLU	-356852.00	-14149.40	18694.30	-2571250.00	-165542.00	215899.00	2-3	52.50	7.205
6	297.62	1	SLU	-352637.00	-13234.60	17485.70	-2571250.00	-164851.00	214972.00	2-3	52.50	7.291
7	357.14	1	SLU	-347951.00	-12074.10	15952.40	-2571250.00	-164078.00	213932.00	2-3	52.50	7.390
8	416.67	1	SLU	-342795.00	-10771.10	14230.80	-2571250.00	-163225.00	212787.00	2-3	52.50	7.501
9	476.19	1	SLU	-337168.00	-9408.03	12430.00	-2571250.00	-162287.00	211525.00	2-3	52.50	7.626
10	535.71	1	SLU	-331070.00	-8048.92	10634.30	-2571250.00	-161267.00	210154.00	2-3	52.50	7.766
11	595.24	1	SLU	-324502.00	-6741.52	8906.97	-2571250.00	-160161.00	208664.00	2-3	52.50	7.924
12	654.76	1	SLU	-317463.00	-5519.80	7292.82	-2571250.00	-158968.00	207058.00	2-3	52.50	8.099
13	714.29	1	SLU	-309954.00	-4406.13	5821.42	-2571250.00	-157704.00	205305.00	2-3	52.50	8.296
14	773.81	1	SLU	-301974.00	-3413.40	4509.82	-2571250.00	-156356.00	203421.00	2-3	52.50	8.515
15	833.33	1	SLU	-293524.00	-2546.96	3365.07	-2571250.00	-154918.00	201409.00	2-3	52.50	8.760
16	892.86	1	SLU	-284603.00	-1806.25	2386.44	-2571250.00	-153240.00	199313.00	2-3	52.50	9.035
17	952.38	1	SLU	-275437.00	-1186.38	1567.45	-2571250.00	-151402.00	197171.00	2-3	52.50	9.335
18	1011.90	1	SLU	-266306.00	-679.32	897.53	-2571250.00	-149553.00	195020.00	2-3	52.50	9.655
19	1071.43	1	SLU	-257209.00	-275.04	363.38	-2571250.00	-147693.00	192861.00	2-3	52.50	9.997
20	1130.95	1	SLU	-248145.00	37.70	-49.81	-2571250.00	145974.00	-190041.00	2-3	232.50	10.362
21	1190.48	1	SLU	-239112.00	270.56	-357.47	-2571250.00	144257.00	-187723.00	2-3	232.50	10.753
22	1250.00	1	SLU	-230110.00	435.18	-574.96	-2571250.00	142533.00	-185393.00	2-3	232.50	11.174
23	1309.52	1	SLU	-221136.00	542.70	-717.02	-2571250.00	140802.00	-183053.00	2-3	232.50	11.627
24	1369.05	1	SLU	-212191.00	603.53	-797.39	-2571250.00	139065.00	-180704.00	2-3	232.50	12.118
25	1428.57	1	SLU	-203273.00	627.14	-828.59	-2571250.00	137322.00	-178346.00	2-3	232.50	12.649
26	1488.10	1	SLU	-194380.00	621.97	-821.75	-2571250.00	135373.00	-176046.00	2-3	232.50	13.228
27	1547.62	1	SLU	-185513.00	595.37	-786.61	-2571250.00	133333.00	-173765.00	2-3	232.50	13.860
28	1607.14	1	SLU	-176668.00	553.62	-731.45	-2571250.00	131279.00	-171477.00	2-3	232.50	14.554
29	1666.67	1	SLU	-167847.00	501.99	-663.23	-2571250.00	129211.00	-169182.00	2-3	232.50	15.319
30	1726.19	1	SLU	-159046.00	444.77	-587.64	-2571250.00	127256.00	-166684.00	2-3	232.50	16.167
31	1785.71	1	SLU	-150266.00	385.43	-509.23	-2571250.00	125348.00	-164077.00	2-3	232.50	17.111
32	1845.24	1	SLU	-141505.00	326.62	-431.54	-2571250.00	123439.00	-161438.00	2-3	232.50	18.171
33	1904.76	1	SLU	-132761.00	270.37	-357.22	-2571250.00	121520.00	-158784.00	2-3	232.50	19.367
34	1964.29	1	SLU	-124035.00	218.14	-288.20	-2571250.00	119591.00	-156114.00	2-3	232.50	20.730
35	2023.81	1	SLU	-115324.00	170.90	-225.79	-2571250.00	117653.00	-153429.00	2-3	232.50	22.296
36	2083.33	1	SLU	-106628.00	129.26	-170.78	-2571250.00	115707.00	-150728.00	2-3	232.50	24.114

37	2142.86	1	SLU	-97945.80	93.55	-123.60	-2571250.00	113726.00	-148020.00	2-3	232.50	26.252
38	2202.38	1	SLU	-89275.80	63.85	-84.36	-2571250.00	111711.00	-145305.00	2-3	232.50	28.801
39	2261.90	1	SLU	-80617.10	40.09	-52.97	-2571250.00	109689.00	-142575.00	2-3	232.50	31.895
40	2321.43	1	SLU	-71968.60	22.10	-29.20	-2571250.00	107659.00	-139832.00	2-3	232.50	35.727
41	2380.95	1	SLU	-63329.30	9.61	-12.70	-2571250.00	105623.00	-137075.00	2-3	232.50	40.601
42	2440.48	1	SLU	-54698.00	2.35	-3.11	-2571250.00	101956.00	-135514.00	2-3	233.13	47.008
43	2500.00	1	SLU	-46073.70	0.00	0.00	-2571250.00					55.807

Stato limite ultimo – Verifiche a taglio

Caso	X <cm>	CC	TCC	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1	0.00	1	SLU	5828.69	-281.83	0.85	11.31	5835.50	1.00	32294.70	384237.00	32294.70	5.534
2	59.52	1	SLU	3029.50	-146.48	0.85	11.31	3033.04	1.00	32294.70	384190.00	32294.70	10.648
3	119.05	1	SLU	822.94	-39.79	0.85	11.31	823.90	1.00	32294.70	383789.00	32294.70	39.197
4	178.57	1	SLU	-860.29	41.60	0.85	11.31	861.30	1.00	32294.70	383320.00	32294.70	37.495
5	238.09	1	SLU	-2090.92	101.10	0.85	11.31	2093.37	1.00	32294.70	382783.00	32294.70	15.427
6	297.62	1	SLU	-2938.19	142.07	0.85	11.31	2941.62	1.00	32294.70	382180.00	32294.70	10.979
7	357.14	1	SLU	-3467.74	167.67	0.85	11.31	3471.79	1.00	32294.70	381508.00	32294.70	9.302
8	416.67	1	SLU	-3740.18	180.85	0.85	11.31	3744.55	1.00	32294.70	380770.00	32294.70	8.624
9	476.19	1	SLU	-3810.14	184.23	0.85	11.31	3814.59	1.00	32294.70	379964.00	32294.70	8.466
10	535.71	1	SLU	-3725.85	180.16	0.85	11.31	3730.20	1.00	32294.70	379090.00	32294.70	8.658
11	595.24	1	SLU	-3528.98	170.63	0.85	11.31	3533.10	1.00	32294.70	378150.00	32294.70	9.141
12	654.76	1	SLU	-3254.78	157.38	0.85	11.31	3258.59	1.00	32294.70	377141.00	32294.70	9.911
13	714.29	1	SLU	-2932.48	141.79	0.85	11.31	2935.91	1.00	32294.70	376066.00	32294.70	11.000
14	773.81	1	SLU	-2585.68	125.03	0.85	11.31	2588.71	1.00	32294.70	374923.00	32294.70	12.475
15	833.33	1	SLU	-2232.96	107.97	0.85	11.31	2235.57	1.00	32294.70	373712.00	32294.70	14.446
16	892.86	1	SLU	-1888.45	91.31	0.85	11.31	1890.66	1.00	32294.70	372434.00	32294.70	17.081
17	952.38	1	SLU	-1562.45	75.55	0.85	11.31	1564.27	1.00	32294.70	371122.00	32294.70	20.645
18	1011.90	1	SLU	-1262.00	61.02	0.85	11.31	1263.47	1.00	32294.70	369814.00	32294.70	25.560
19	1071.43	1	SLU	-991.48	47.94	0.85	11.31	992.63	1.00	32294.70	368511.00	32294.70	32.534
20	1130.95	1	SLU	-753.07	36.41	0.85	11.31	753.95	1.00	32294.70	367212.00	32294.70	42.834
21	1190.48	1	SLU	-547.29	26.46	0.85	11.31	547.93	1.00	32294.70	365918.00	32294.70	58.940
22	1250.00	1	SLU	-373.32	18.05	0.85	11.31	373.76	1.00	32294.70	364629.00	32294.70	86.406
23	1309.52	1	SLU	-229.44	11.09	0.85	11.31	229.70	1.00	32294.70	363344.00	32294.70	>100
24	1369.05	1	SLU	-113.25	5.48	0.85	11.31	113.38	1.00	32294.70	362062.00	32294.70	>100
25	1428.57	1	SLU	-21.98	1.06	0.85	11.31	22.01	1.00	32294.70	360785.00	32294.70	>100
26	1488.10	1	SLU	47.33	-2.29	0.85	11.31	47.38	1.00	32294.70	359511.00	32294.70	>100
27	1547.62	1	SLU	97.69	-4.72	0.85	11.31	97.81	1.00	32294.70	358241.00	32294.70	>100
28	1607.14	1	SLU	132.03	-6.38	0.85	11.31	132.19	1.00	32294.70	356974.00	32294.70	>100
29	1666.67	1	SLU	153.11	-7.40	0.85	11.31	153.29	1.00	32294.70	355710.00	32294.70	>100
30	1726.19	1	SLU	163.46	-7.90	0.85	11.31	163.65	1.00	32294.70	354450.00	32294.70	>100
31	1785.71	1	SLU	165.34	-7.99	0.85	11.31	165.53	1.00	32294.70	353192.00	32294.70	>100
32	1845.24	1	SLU	160.75	-7.77	0.85	11.31	160.93	1.00	32294.70	351937.00	32294.70	>100
33	1904.76	1	SLU	151.38	-7.32	0.85	11.31	151.56	1.00	32294.70	350685.00	32294.70	>100
34	1964.29	1	SLU	138.66	-6.70	0.85	11.31	138.82	1.00	32294.70	349435.00	32294.70	>100
35	2023.81	1	SLU	123.77	-5.98	0.85	11.31	123.91	1.00	32294.70	348187.00	32294.70	>100
36	2083.33	1	SLU	107.62	-5.20	0.85	11.31	107.75	1.00	32294.70	346941.00	32294.70	>100
37	2142.86	1	SLU	90.94	-4.40	0.85	11.31	91.05	1.00	32294.70	345698.00	32294.70	>100
38	2202.38	1	SLU	74.25	-3.59	0.85	11.31	74.34	1.00	32294.70	344456.00	32294.70	>100
39	2261.90	1	SLU	57.94	-2.80	0.85	11.31	58.01	1.00	32294.70	343216.00	32294.70	>100
40	2321.43	1	SLU	42.24	-2.04	0.85	11.31	42.29	1.00	32294.70	341977.00	32294.70	>100
41	2380.95	1	SLU	27.31	-1.32	0.85	11.31	27.34	1.00	32294.70	340739.00	32294.70	>100
42	2440.48	1	SLU	13.22	-0.64	0.85	11.31	13.24	1.00	32294.70	339503.00	32294.70	>100

Verifiche stato limite d'esercizio

Caso	X <cm>	CC	TCC	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ_c <daN/cmq>	σ_f <daN/cmq>
44	0.00	2	SLE R	-271850.00	12198.00	-9232.44	0.00	78.54	30.01	438.53
45	0.00	2	SLE R	-271850.00	12198.00	-9232.44	0.00	78.54	30.01	438.53
46	59.52	2	SLE R	-271525.00	13738.60	-10398.50	0.00	78.54	30.99	451.66
47	59.52	2	SLE R	-269977.00	13738.60	-10398.50	0.00	78.54	30.86	449.77
48	119.05	2	SLE R	-268722.00	14400.20	-10899.20	0.00	78.54	31.19	454.05
49	119.05	2	SLE R	-264548.00	14400.20	-10899.20	0.00	78.54	30.85	448.96
50	178.57	2	SLE R	-265449.00	14379.30	-10883.40	0.00	78.54	30.91	449.88
51	178.57	2	SLE R	-259119.00	14379.30	-10883.40	0.00	78.54	30.39	442.16
52	238.09	2	SLE R	-261704.00	13847.70	-10481.00	0.00	78.54	30.26	440.64
53	238.09	2	SLE R	-253691.00	13847.70	-10481.00	0.00	78.54	29.61	430.88
54	297.62	2	SLE R	-257489.00	12952.30	-9803.39	0.00	78.54	29.34	427.65
55	297.62	2	SLE R	-248262.00	12952.30	-9803.39	0.00	78.54	28.59	416.40
56	357.14	2	SLE R	-252804.00	11816.60	-8943.75	0.00	78.54	28.22	411.96
57	357.14	2	SLE R	-242834.00	11816.60	-8943.75	0.00	78.54	27.41	399.81
58	416.67	2	SLE R	-247647.00	10541.40	-7978.56	0.00	78.54	26.97	394.48
59	416.67	2	SLE R	-237406.00	10541.40	-7978.56	0.00	78.54	26.14	382.00
60	476.19	2	SLE R	-242020.00	9207.39	-6968.91	0.00	78.54	25.65	375.91
61	476.19	2	SLE R	-231978.00	9207.39	-6968.91	0.00	78.54	24.83	363.67
62	535.71	2	SLE R	-235923.00	7877.27	-5962.16	0.00	78.54	24.29	356.80
63	535.71	2	SLE R	-226550.00	7877.27	-5962.16	0.00	78.54	23.53	345.37

64	595.24	2	SLE R	-229469.00	6597.75	-4993.72	0.00	78.54	22.93	337.70
65	595.24	2	SLE R	-221123.00	6597.75	-4993.72	0.00	78.54	22.26	327.52
66	654.76	2	SLE R	-223045.00	5402.09	-4088.74	0.00	78.54	21.64	319.37
67	654.76	2	SLE R	-215696.00	5402.09	-4088.74	0.00	78.54	21.04	310.41
68	714.29	2	SLE R	-216649.00	4312.16	-3263.80	0.00	78.54	20.41	302.00
69	714.29	2	SLE R	-210269.00	4312.16	-3263.80	0.00	78.54	19.89	294.22
70	773.81	2	SLE R	-210280.00	3340.61	-2528.45	0.00	78.54	19.26	285.71
71	773.81	2	SLE R	-204843.00	3340.61	-2528.45	0.00	78.54	18.82	279.08
72	833.33	2	SLE R	-203938.00	2492.64	-1886.63	0.00	78.54	18.19	270.53
73	833.33	2	SLE R	-199416.00	2492.64	-1886.63	0.00	78.54	17.83	265.02
74	892.86	2	SLE R	-197622.00	1767.73	-1337.96	0.00	78.54	17.21	256.47
75	892.86	2	SLE R	-193991.00	1767.73	-1337.96	0.00	78.54	16.92	252.04
76	952.38	2	SLE R	-191331.00	1161.08	-878.80	0.00	78.54	16.31	243.47
77	952.38	2	SLE R	-188565.00	1161.08	-878.80	0.00	78.54	16.08	240.10
78	1011.90	2	SLE R	-185065.00	664.83	-503.20	0.00	78.54	15.47	231.47
79	1011.90	2	SLE R	-183140.00	664.83	-503.20	0.00	78.54	15.32	229.13
80	1071.43	2	SLE R	-178822.00	269.17	-203.73	0.00	78.54	14.71	220.39
81	1071.43	2	SLE R	-177715.00	269.17	-203.73	0.00	78.54	14.62	219.04
82	1130.95	2	SLE R	-172601.00	-36.89	27.92	0.00	78.54	14.05	210.77
83	1130.95	2	SLE R	-172291.00	-36.89	27.92	0.00	78.54	14.03	210.39
84	1190.48	2	SLE R	-166403.00	-264.79	200.41	0.00	78.54	13.70	205.22
85	1190.48	2	SLE R	-166867.00	-264.79	200.41	0.00	78.54	13.74	205.79
86	1250.00	2	SLE R	-160225.00	-425.89	322.35	0.00	78.54	13.30	199.11
87	1250.00	2	SLE R	-161444.00	-425.89	322.35	0.00	78.54	13.40	200.60
88	1309.52	2	SLE R	-154068.00	-531.12	402.00	0.00	78.54	12.87	192.53
89	1309.52	2	SLE R	-156021.00	-531.12	402.00	0.00	78.54	13.03	194.91
90	1369.05	2	SLE R	-147931.00	-590.66	447.06	0.00	78.54	12.41	185.58
91	1369.05	2	SLE R	-150598.00	-590.66	447.06	0.00	78.54	12.62	188.83
92	1428.57	2	SLE R	-141812.00	-613.77	464.55	0.00	78.54	11.93	178.32
93	1428.57	2	SLE R	-145176.00	-613.77	464.55	0.00	78.54	12.20	182.42
94	1488.10	2	SLE R	-135712.00	-608.71	460.72	0.00	78.54	11.43	170.84
95	1488.10	2	SLE R	-139755.00	-608.71	460.72	0.00	78.54	11.75	175.77
96	1547.62	2	SLE R	-129628.00	-582.67	441.01	0.00	78.54	10.91	163.19
97	1547.62	2	SLE R	-134334.00	-582.67	441.01	0.00	78.54	11.30	168.93
98	1607.14	2	SLE R	-123561.00	-541.82	410.09	0.00	78.54	10.40	155.43
99	1607.14	2	SLE R	-128914.00	-541.82	410.09	0.00	78.54	10.83	161.96
100	1666.67	2	SLE R	-117510.00	-491.28	371.84	0.00	78.54	9.87	147.61
101	1666.67	2	SLE R	-123494.00	-491.28	371.84	0.00	78.54	10.36	154.91
102	1726.19	2	SLE R	-111474.00	-435.29	329.46	0.00	78.54	9.34	139.76
103	1726.19	2	SLE R	-118075.00	-435.29	329.46	0.00	78.54	9.88	147.80
104	1785.71	2	SLE R	-105451.00	-377.21	285.50	0.00	78.54	8.82	131.90
105	1785.71	2	SLE R	-112656.00	-377.21	285.50	0.00	78.54	9.40	140.69
106	1845.24	2	SLE R	-99442.60	-319.66	241.94	0.00	78.54	8.29	124.07
107	1845.24	2	SLE R	-107238.00	-319.66	241.94	0.00	78.54	8.92	133.57
108	1904.76	2	SLE R	-93446.40	-264.61	200.28	0.00	78.54	7.77	116.27
109	1904.76	2	SLE R	-101821.00	-264.61	200.28	0.00	78.54	8.45	126.48
110	1964.29	2	SLE R	-87462.00	-213.49	161.58	0.00	78.54	7.25	108.52
111	1964.29	2	SLE R	-96404.40	-213.49	161.58	0.00	78.54	7.97	119.42
112	2023.81	2	SLE R	-81488.80	-167.25	126.59	0.00	78.54	6.73	100.83
113	2023.81	2	SLE R	-90988.50	-167.25	126.59	0.00	78.54	7.50	112.41
114	2083.33	2	SLE R	-75525.90	-126.50	95.75	0.00	78.54	6.22	93.20
115	2083.33	2	SLE R	-85573.30	-126.50	95.75	0.00	78.54	7.04	105.45
116	2142.86	2	SLE R	-69572.60	-91.55	69.29	0.00	78.54	5.71	85.63
117	2142.86	2	SLE R	-80158.80	-91.55	69.29	0.00	78.54	6.57	98.54
118	2202.38	2	SLE R	-63628.20	-62.49	47.29	0.00	78.54	5.21	78.13
119	2202.38	2	SLE R	-74745.10	-62.49	47.29	0.00	78.54	6.12	91.68
120	2261.90	2	SLE R	-57691.80	-39.24	29.70	0.00	78.54	4.71	70.69
121	2261.90	2	SLE R	-69332.10	-39.24	29.70	0.00	78.54	5.66	84.88
122	2321.43	2	SLE R	-51762.70	-21.63	16.37	0.00	78.54	4.22	63.30
123	2321.43	2	SLE R	-63919.90	-21.63	16.37	0.00	78.54	5.21	78.12
124	2380.95	2	SLE R	-45840.20	-9.41	7.12	0.00	78.54	3.73	55.97
125	2380.95	2	SLE R	-58508.60	-9.41	7.12	0.00	78.54	4.76	71.42
126	2440.48	2	SLE R	-39923.60	-2.30	1.74	0.00	78.54	3.25	48.70
127	2440.48	2	SLE R	-53098.00	-2.30	1.74	0.00	78.54	4.32	64.76
128	2500.00	2	SLE R	-34012.00	0.00	0.00	0.00	78.54	2.76	41.47
129	2500.00	2	SLE R	-47688.30	0.00	0.00	0.00	78.54	3.88	58.14
130	0.00	4	SLE Q	-271850.00	12198.00	-9232.44	0.00	78.54	30.01	438.53
131	0.00	4	SLE Q	-271850.00	12198.00	-9232.44	0.00	78.54	30.01	438.53
132	59.52	4	SLE Q	-271525.00	13738.60	-10398.50	0.00	78.54	30.99	451.66
133	59.52	4	SLE Q	-269977.00	13738.60	-10398.50	0.00	78.54	30.86	449.77
134	119.05	4	SLE Q	-268722.00	14400.20	-10899.20	0.00	78.54	31.19	454.05
135	119.05	4	SLE Q	-264548.00	14400.20	-10899.20	0.00	78.54	30.85	448.96
136	178.57	4	SLE Q	-265449.00	14379.30	-10883.40	0.00	78.54	30.91	449.88
137	178.57	4	SLE Q	-259119.00	14379.30	-10883.40	0.00	78.54	30.39	442.16
138	238.09	4	SLE Q	-261704.00	13847.70	-10481.00	0.00	78.54	30.26	440.64
139	238.09	4	SLE Q	-253691.00	13847.70	-10481.00	0.00	78.54	29.61	430.88

140	297.62	4	SLE Q	-257489.00	12952.30	-9803.39	0.00	78.54	29.34	427.65
141	297.62	4	SLE Q	-248262.00	12952.30	-9803.39	0.00	78.54	28.59	416.40
142	357.14	4	SLE Q	-252804.00	11816.60	-8943.75	0.00	78.54	28.22	411.96
143	357.14	4	SLE Q	-242834.00	11816.60	-8943.75	0.00	78.54	27.41	399.81
144	416.67	4	SLE Q	-247647.00	10541.40	-7978.56	0.00	78.54	26.97	394.48
145	416.67	4	SLE Q	-237406.00	10541.40	-7978.56	0.00	78.54	26.14	382.00
146	476.19	4	SLE Q	-242020.00	9207.39	-6968.91	0.00	78.54	25.65	375.91
147	476.19	4	SLE Q	-231978.00	9207.39	-6968.91	0.00	78.54	24.83	363.67
148	535.71	4	SLE Q	-235923.00	7877.27	-5962.16	0.00	78.54	24.29	356.80
149	535.71	4	SLE Q	-226550.00	7877.27	-5962.16	0.00	78.54	23.53	345.37
150	595.24	4	SLE Q	-229469.00	6597.75	-4993.72	0.00	78.54	22.93	337.70
151	595.24	4	SLE Q	-221123.00	6597.75	-4993.72	0.00	78.54	22.26	327.52
152	654.76	4	SLE Q	-223045.00	5402.09	-4088.74	0.00	78.54	21.64	319.37
153	654.76	4	SLE Q	-215696.00	5402.09	-4088.74	0.00	78.54	21.04	310.41
154	714.29	4	SLE Q	-216649.00	4312.16	-3263.80	0.00	78.54	20.41	302.00
155	714.29	4	SLE Q	-210269.00	4312.16	-3263.80	0.00	78.54	19.89	294.22
156	773.81	4	SLE Q	-210280.00	3340.61	-2528.45	0.00	78.54	19.26	285.71
157	773.81	4	SLE Q	-204843.00	3340.61	-2528.45	0.00	78.54	18.82	279.08
158	833.33	4	SLE Q	-203938.00	2492.64	-1886.63	0.00	78.54	18.19	270.53
159	833.33	4	SLE Q	-199416.00	2492.64	-1886.63	0.00	78.54	17.83	265.02
160	892.86	4	SLE Q	-197622.00	1767.73	-1337.96	0.00	78.54	17.21	256.47
161	892.86	4	SLE Q	-193991.00	1767.73	-1337.96	0.00	78.54	16.92	252.04
162	952.38	4	SLE Q	-191331.00	1161.08	-878.80	0.00	78.54	16.31	243.47
163	952.38	4	SLE Q	-188565.00	1161.08	-878.80	0.00	78.54	16.08	240.10
164	1011.90	4	SLE Q	-185065.00	664.83	-503.20	0.00	78.54	15.47	231.47
165	1011.90	4	SLE Q	-183140.00	664.83	-503.20	0.00	78.54	15.32	229.13
166	1071.43	4	SLE Q	-178822.00	269.17	-203.73	0.00	78.54	14.71	220.39
167	1071.43	4	SLE Q	-177715.00	269.17	-203.73	0.00	78.54	14.62	219.04
168	1130.95	4	SLE Q	-172601.00	-36.89	27.92	0.00	78.54	14.05	210.77
169	1130.95	4	SLE Q	-172291.00	-36.89	27.92	0.00	78.54	14.03	210.39
170	1190.48	4	SLE Q	-166403.00	-264.79	200.41	0.00	78.54	13.70	205.22
171	1190.48	4	SLE Q	-166867.00	-264.79	200.41	0.00	78.54	13.74	205.79
172	1250.00	4	SLE Q	-160225.00	-425.89	322.35	0.00	78.54	13.30	199.11
173	1250.00	4	SLE Q	-161444.00	-425.89	322.35	0.00	78.54	13.40	200.60
174	1309.52	4	SLE Q	-154068.00	-531.12	402.00	0.00	78.54	12.87	192.53
175	1309.52	4	SLE Q	-156021.00	-531.12	402.00	0.00	78.54	13.03	194.91
176	1369.05	4	SLE Q	-147931.00	-590.66	447.06	0.00	78.54	12.41	185.58
177	1369.05	4	SLE Q	-150598.00	-590.66	447.06	0.00	78.54	12.62	188.83
178	1428.57	4	SLE Q	-141812.00	-613.77	464.55	0.00	78.54	11.93	178.32
179	1428.57	4	SLE Q	-145176.00	-613.77	464.55	0.00	78.54	12.20	182.42
180	1488.10	4	SLE Q	-135712.00	-608.71	460.72	0.00	78.54	11.43	170.84
181	1488.10	4	SLE Q	-139755.00	-608.71	460.72	0.00	78.54	11.75	175.77
182	1547.62	4	SLE Q	-129628.00	-582.67	441.01	0.00	78.54	10.91	163.19
183	1547.62	4	SLE Q	-134334.00	-582.67	441.01	0.00	78.54	11.30	168.93
184	1607.14	4	SLE Q	-123561.00	-541.82	410.09	0.00	78.54	10.40	155.43
185	1607.14	4	SLE Q	-128914.00	-541.82	410.09	0.00	78.54	10.83	161.96
186	1666.67	4	SLE Q	-117510.00	-491.28	371.84	0.00	78.54	9.87	147.61
187	1666.67	4	SLE Q	-123494.00	-491.28	371.84	0.00	78.54	10.36	154.91
188	1726.19	4	SLE Q	-111474.00	-435.29	329.46	0.00	78.54	9.34	139.76
189	1726.19	4	SLE Q	-118075.00	-435.29	329.46	0.00	78.54	9.88	147.80
190	1785.71	4	SLE Q	-105451.00	-377.21	285.50	0.00	78.54	8.82	131.90
191	1785.71	4	SLE Q	-112656.00	-377.21	285.50	0.00	78.54	9.40	140.69
192	1845.24	4	SLE Q	-99442.60	-319.66	241.94	0.00	78.54	8.29	124.07
193	1845.24	4	SLE Q	-107238.00	-319.66	241.94	0.00	78.54	8.92	133.57
194	1904.76	4	SLE Q	-93446.40	-264.61	200.28	0.00	78.54	7.77	116.27
195	1904.76	4	SLE Q	-101821.00	-264.61	200.28	0.00	78.54	8.45	126.48
196	1964.29	4	SLE Q	-87462.00	-213.49	161.58	0.00	78.54	7.25	108.52
197	1964.29	4	SLE Q	-96404.40	-213.49	161.58	0.00	78.54	7.97	119.42
198	2023.81	4	SLE Q	-81488.80	-167.25	126.59	0.00	78.54	6.73	100.83
199	2023.81	4	SLE Q	-90988.50	-167.25	126.59	0.00	78.54	7.50	112.41
200	2083.33	4	SLE Q	-75525.90	-126.50	95.75	0.00	78.54	6.22	93.20
201	2083.33	4	SLE Q	-85573.30	-126.50	95.75	0.00	78.54	7.04	105.45
202	2142.86	4	SLE Q	-69572.60	-91.55	69.29	0.00	78.54	5.71	85.63
203	2142.86	4	SLE Q	-80158.80	-91.55	69.29	0.00	78.54	6.57	98.54
204	2202.38	4	SLE Q	-63628.20	-62.49	47.29	0.00	78.54	5.21	78.13
205	2202.38	4	SLE Q	-74745.10	-62.49	47.29	0.00	78.54	6.12	91.68
206	2261.90	4	SLE Q	-57691.80	-39.24	29.70	0.00	78.54	4.71	70.69
207	2261.90	4	SLE Q	-69332.10	-39.24	29.70	0.00	78.54	5.66	84.88
208	2321.43	4	SLE Q	-51762.70	-21.63	16.37	0.00	78.54	4.22	63.30
209	2321.43	4	SLE Q	-63919.90	-21.63	16.37	0.00	78.54	5.21	78.12
210	2380.95	4	SLE Q	-45840.20	-9.41	7.12	0.00	78.54	3.73	55.97
211	2380.95	4	SLE Q	-58508.60	-9.41	7.12	0.00	78.54	4.76	71.42
212	2440.48	4	SLE Q	-39923.60	-2.30	1.74	0.00	78.54	3.25	48.70
213	2440.48	4	SLE Q	-53098.00	-2.30	1.74	0.00	78.54	4.32	64.76
214	2500.00	4	SLE Q	-34012.00	0.00	0.00	0.00	78.54	2.76	41.47
215	2500.00	4	SLE Q	-47688.30	0.00	0.00	0.00	78.54	3.88	58.14

Verifiche principali

Caso	Tipo
1	SLU N cost - min. sic.,SLU Taglio - min. sic. c.a.,SLU Taglio - min. sic. acciaio
48	C.Rare - Sc min (max compr.),C.Rare - Sf min (max compr.)
128	C.Rare - Sc max (min. compr.),C.Rare - Sf max (max traz.)
134	C.Q.Per. - Sc min (max compr.),C.Q.Per. - Sf min (max compr.)
214	C.Q.Per. - Sc max (min. compr.),C.Q.Per. - Sf max (max traz.)

Palo n. 5

Caratteristiche del palo e dei materiali utilizzati

R <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
60.00	6.00	C30/37	307.10	20.59	174.02	13.73	B450C	4300.00	3913.04

Le sollecitazioni nei pali vengono calcolate oltre che per l'effetto delle reazioni vincolari anche considerando i seguenti effetti

Azioni ed effetti comuni

Az	N <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
PP	0.00	0.00	0.00	
SVR	0.00			

Azioni ed effetti - Plinto/Palo n. 5 (-165)

Caso	CC	TCC	Az	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	RVN	367455.00	5834.72	281.25	-12724.80	16285.20
	1	SLU	TAG				0.00	0.00
	1	SLU	ECC				0.00	0.00
	1	SLU	TOT	367455.00	5834.72	281.25	-12724.80	16285.20
2	2	SLE R	RVN	272189.00	4322.02	208.33	-9425.78	12063.10
	2	SLE R	TAG				0.00	0.00
	2	SLE R	ECC				0.00	0.00
	2	SLE R	TOT	272189.00	4322.02	208.33	-9425.78	12063.10
3	3	SLE F	RVN	272189.00	4322.02	208.33	-9425.78	12063.10
	3	SLE F	TAG				0.00	0.00
	3	SLE F	ECC				0.00	0.00
	3	SLE F	TOT	272189.00	4322.02	208.33	-9425.78	12063.10
4	4	SLE Q	RVN	272189.00	4322.02	208.33	-9425.78	12063.10
	4	SLE Q	TAG				0.00	0.00
	4	SLE Q	ECC				0.00	0.00
	4	SLE Q	TOT	272189.00	4322.02	208.33	-9425.78	12063.10

Sollecitazioni nei pali

Caso	CC	TCC	Palo	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	1	-367455.00	-5834.72	-281.25	12724.80	-16285.20
2	2	SLE R	1	-272189.00	-4322.02	-208.33	9425.78	-12063.10
3	3	SLE F	1	-272189.00	-4322.02	-208.33	9425.78	-12063.10
4	4	SLE Q	1	-272189.00	-4322.02	-208.33	9425.78	-12063.10

Da 0 a -25

Stato limite ultimo - Verifiche a flessione/pressoflessione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	Rott.	α <grad>	Sic.
1	0.00	1	SLU	-367455.00	-12536.40	-16044.10	-2571250.00	-167662.00	-218243.00	2-3	307.50	6.997
2	59.52	1	SLU	-367131.00	-14147.60	-18106.10	-2571250.00	-167603.00	-218177.00	2-3	307.50	7.004
3	119.05	1	SLU	-364328.00	-14847.50	-19001.80	-2571250.00	-167096.00	-217606.00	2-3	307.50	7.058
4	178.57	1	SLU	-361054.00	-14839.20	-18991.30	-2571250.00	-166502.00	-216937.00	2-3	307.50	7.122
5	238.09	1	SLU	-357310.00	-14300.60	-18301.90	-2571250.00	-168164.00	-214296.00	2-3	308.13	7.196
6	297.62	1	SLU	-353095.00	-13383.70	-17128.50	-2571250.00	-167389.00	-213431.00	2-3	308.13	7.282
7	357.14	1	SLU	-348409.00	-12216.30	-15634.50	-2571250.00	-166519.00	-212464.00	2-3	308.13	7.380
8	416.67	1	SLU	-343252.00	-10903.10	-13953.80	-2571250.00	-165559.00	-211396.00	2-3	308.13	7.491
9	476.19	1	SLU	-337625.00	-9527.64	-12193.50	-2571250.00	-164504.00	-210224.00	2-3	308.13	7.616
10	535.71	1	SLU	-331528.00	-8154.94	-10436.70	-2571250.00	-163409.00	-208851.00	2-3	308.13	7.756
11	595.24	1	SLU	-324960.00	-6833.54	-8745.57	-2571250.00	-162246.00	-207306.00	2-3	308.13	7.913
12	654.76	1	SLU	-317921.00	-5598.03	-7164.36	-2571250.00	-160993.00	-205640.00	2-3	308.13	8.088
13	714.29	1	SLU	-310412.00	-4471.21	-5722.26	-2571250.00	-159648.00	-203850.00	2-3	308.13	8.283
14	773.81	1	SLU	-302432.00	-3466.30	-4436.18	-2571250.00	-158204.00	-201928.00	2-3	308.13	8.502
15	833.33	1	SLU	-293982.00	-2588.82	-3313.18	-2571250.00	-156665.00	-199876.00	2-3	308.13	8.746
16	892.86	1	SLU	-285061.00	-1838.35	-2352.72	-2571250.00	-155026.00	-197690.00	2-3	308.13	9.020
17	952.38	1	SLU	-275880.00	-1210.00	-1548.56	-2571250.00	-153326.00	-195421.00	2-3	308.13	9.320
18	1011.90	1	SLU	-266734.00	-695.75	-890.42	-2571250.00	-149467.00	-194754.00	2-3	307.50	9.640

19	1071.43	1	SLU	-257622.00	-285.48	-365.36	-2571250.00	-147762.00	-192454.00	2-3	307.50	9.981
20	1130.95	1	SLU	-248542.00	32.11	41.09	-2571250.00	147956.00	189104.00	2-3	128.13	10.345
21	1190.48	1	SLU	-239495.00	268.81	344.02	-2571250.00	146150.00	186784.00	2-3	128.13	10.736
22	1250.00	1	SLU	-230477.00	436.36	558.45	-2571250.00	144392.00	184356.00	2-3	128.13	11.156
23	1309.52	1	SLU	-221489.00	546.03	698.81	-2571250.00	142573.00	181929.00	2-3	128.13	11.609
24	1369.05	1	SLU	-212529.00	608.35	778.57	-2571250.00	140746.00	179490.00	2-3	128.13	12.098
25	1428.57	1	SLU	-203596.00	632.90	809.99	-2571250.00	138910.00	177037.00	2-3	128.13	12.629
26	1488.10	1	SLU	-194689.00	628.22	803.99	-2571250.00	135117.00	176035.00	2-3	127.50	13.207
27	1547.62	1	SLU	-185807.00	601.75	770.12	-2571250.00	133274.00	173549.00	2-3	127.50	13.838
28	1607.14	1	SLU	-176948.00	559.86	716.51	-2571250.00	131422.00	171052.00	2-3	127.50	14.531
29	1666.67	1	SLU	-168111.00	507.88	649.99	-2571250.00	129563.00	168543.00	2-3	127.50	15.295
30	1726.19	1	SLU	-159296.00	450.19	576.15	-2571250.00	127695.00	166024.00	2-3	127.50	16.141
31	1785.71	1	SLU	-150502.00	390.27	499.47	-2571250.00	125819.00	163492.00	2-3	127.50	17.084
32	1845.24	1	SLU	-141726.00	330.85	423.42	-2571250.00	123935.00	160949.00	2-3	127.50	18.142
33	1904.76	1	SLU	-132968.00	273.97	350.63	-2571250.00	122044.00	158396.00	2-3	127.50	19.337
34	1964.29	1	SLU	-124227.00	221.12	282.99	-2571250.00	120146.00	155833.00	2-3	127.50	20.698
35	2023.81	1	SLU	-115502.00	173.29	221.78	-2571250.00	118176.00	153285.00	2-3	127.50	22.261
36	2083.33	1	SLU	-106792.00	131.12	167.81	-2571250.00	115955.00	150817.00	2-3	127.50	24.077
37	2142.86	1	SLU	-98095.10	94.93	121.49	-2571250.00	115292.00	147068.00	2-3	128.13	26.212
38	2202.38	1	SLU	-89410.70	64.81	82.95	-2571250.00	113025.00	144592.00	2-3	128.13	28.758
39	2261.90	1	SLU	-80737.70	40.71	52.11	-2571250.00	110741.00	142109.00	2-3	128.13	31.847
40	2321.43	1	SLU	-72074.90	22.45	28.73	-2571250.00	109983.00	138324.00	2-3	128.75	35.675
41	2380.95	1	SLU	-63421.30	9.77	12.51	-2571250.00	106484.00	136596.00	2-3	128.13	40.542
42	2440.48	1	SLU	-54775.80	2.39	3.06	-2571250.00	104362.00	133778.00	2-3	128.13	46.941
43	2500.00	1	SLU	-46137.10	0.00	0.00	-2571250.00					55.730

Stato limite ultimo – Verifiche a taglio

Caso	X <cm>	CC	TCC	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1	0.00	1	SLU	5834.72	281.25	0.85	11.31	5841.50	1.00	32294.70	384302.00	32294.70	5.529
2	59.52	1	SLU	3051.39	147.08	0.85	11.31	3054.93	1.00	32294.70	384256.00	32294.70	10.571
3	119.05	1	SLU	855.92	41.26	0.85	11.31	856.92	1.00	32294.70	383854.00	32294.70	37.687
4	178.57	1	SLU	-820.18	-39.53	0.85	11.31	821.13	1.00	32294.70	383385.00	32294.70	39.330
5	238.09	1	SLU	-2046.90	-98.66	0.85	11.31	2049.28	1.00	32294.70	382849.00	32294.70	15.759
6	297.62	1	SLU	-2892.82	-139.44	0.85	11.31	2896.18	1.00	32294.70	382245.00	32294.70	11.151
7	357.14	1	SLU	-3422.99	-164.99	0.85	11.31	3426.96	1.00	32294.70	381574.00	32294.70	9.424
8	416.67	1	SLU	-3697.50	-178.23	0.85	11.31	3701.79	1.00	32294.70	380835.00	32294.70	8.724
9	476.19	1	SLU	-3770.54	-181.75	0.85	11.31	3774.92	1.00	32294.70	380029.00	32294.70	8.555
10	535.71	1	SLU	-3689.98	-177.86	0.85	11.31	3694.27	1.00	32294.70	379156.00	32294.70	8.742
11	595.24	1	SLU	-3497.19	-168.57	0.85	11.31	3501.25	1.00	32294.70	378215.00	32294.70	9.224
12	654.76	1	SLU	-3227.20	-155.56	0.85	11.31	3230.95	1.00	32294.70	377207.00	32294.70	9.995
13	714.29	1	SLU	-2909.04	-140.22	0.85	11.31	2912.42	1.00	32294.70	376131.00	32294.70	11.089
14	773.81	1	SLU	-2566.18	-123.69	0.85	11.31	2569.16	1.00	32294.70	374988.00	32294.70	12.570
15	833.33	1	SLU	-2217.12	-106.87	0.85	11.31	2219.69	1.00	32294.70	373778.00	32294.70	14.549
16	892.86	1	SLU	-1875.91	-90.42	0.85	11.31	1878.09	1.00	32294.70	372500.00	32294.70	17.195
17	952.38	1	SLU	-1552.84	-74.85	0.85	11.31	1554.64	1.00	32294.70	371185.00	32294.70	20.773
18	1011.90	1	SLU	-1254.93	-60.49	0.85	11.31	1256.39	1.00	32294.70	369875.00	32294.70	25.704
19	1071.43	1	SLU	-986.56	-47.55	0.85	11.31	987.71	1.00	32294.70	368570.00	32294.70	32.697
20	1130.95	1	SLU	-749.95	-36.15	0.85	11.31	750.83	1.00	32294.70	367269.00	32294.70	43.012
21	1190.48	1	SLU	-545.63	-26.30	0.85	11.31	546.26	1.00	32294.70	365973.00	32294.70	59.120
22	1250.00	1	SLU	-372.81	-17.97	0.85	11.31	373.24	1.00	32294.70	364682.00	32294.70	86.525
23	1309.52	1	SLU	-229.80	-11.08	0.85	11.31	230.07	1.00	32294.70	363394.00	32294.70	>100
24	1369.05	1	SLU	-114.26	-5.51	0.85	11.31	114.39	1.00	32294.70	362111.00	32294.70	>100
25	1428.57	1	SLU	-23.44	-1.13	0.85	11.31	23.47	1.00	32294.70	360831.00	32294.70	>100
26	1488.10	1	SLU	45.59	2.20	0.85	11.31	45.64	1.00	32294.70	359555.00	32294.70	>100
27	1547.62	1	SLU	95.81	4.62	0.85	11.31	95.92	1.00	32294.70	358283.00	32294.70	>100
28	1607.14	1	SLU	130.11	6.27	0.85	11.31	130.26	1.00	32294.70	357014.00	32294.70	>100
29	1666.67	1	SLU	151.23	7.29	0.85	11.31	151.40	1.00	32294.70	355748.00	32294.70	>100
30	1726.19	1	SLU	161.68	7.79	0.85	11.31	161.86	1.00	32294.70	354486.00	32294.70	>100
31	1785.71	1	SLU	163.70	7.89	0.85	11.31	163.89	1.00	32294.70	353226.00	32294.70	>100
32	1845.24	1	SLU	159.27	7.68	0.85	11.31	159.46	1.00	32294.70	351969.00	32294.70	>100
33	1904.76	1	SLU	150.09	7.23	0.85	11.31	150.26	1.00	32294.70	350714.00	32294.70	>100
34	1964.29	1	SLU	137.56	6.63	0.85	11.31	137.72	1.00	32294.70	349462.00	32294.70	>100
35	2023.81	1	SLU	122.85	5.92	0.85	11.31	122.99	1.00	32294.70	348213.00	32294.70	>100
36	2083.33	1	SLU	106.88	5.15	0.85	11.31	107.00	1.00	32294.70	346965.00	32294.70	>100
37	2142.86	1	SLU	90.36	4.36	0.85	11.31	90.46	1.00	32294.70	345719.00	32294.70	>100
38	2202.38	1	SLU	73.82	3.56	0.85	11.31	73.91	1.00	32294.70	344475.00	32294.70	>100
39	2261.90	1	SLU	57.63	2.78	0.85	11.31	57.70	1.00	32294.70	343233.00	32294.70	>100
40	2321.43	1	SLU	42.04	2.03	0.85	11.31	42.09	1.00	32294.70	341992.00	32294.70	>100
41	2380.95	1	SLU	27.20	1.31	0.85	11.31	27.23	1.00	32294.70	340752.00	32294.70	>100
42	2440.48	1	SLU	13.17	0.64	0.85	11.31	13.19	1.00	32294.70	339514.00	32294.70	>100

Verifiche stato limite d'esercizio

Caso	X <cm>	CC	TCC	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ_C <daN/cmq>	σ_f <daN/cmq>
44	0.00	2	SLE R	-272189.00	-11884.50	-9286.20	0.00	78.54	29.93	437.97
45	0.00	2	SLE R	-272189.00	-11884.50	-9286.20	0.00	78.54	29.93	437.97

46	59.52	2	SLE R	-271865.00	-13411.90	-10479.70	0.00	78.54	30.90	451.21
47	59.52	2	SLE R	-270316.00	-13411.90	-10479.70	0.00	78.54	30.78	449.32
48	119.05	2	SLE R	-269062.00	-14075.40	-10998.10	0.00	78.54	31.11	453.72
49	119.05	2	SLE R	-264887.00	-14075.40	-10998.10	0.00	78.54	30.77	448.63
50	178.57	2	SLE R	-265788.00	-14067.60	-10992.00	0.00	78.54	30.84	449.65
51	178.57	2	SLE R	-259458.00	-14067.60	-10992.00	0.00	78.54	30.32	441.94
52	238.09	2	SLE R	-262043.00	-13556.90	-10593.00	0.00	78.54	30.20	440.53
53	238.09	2	SLE R	-254030.00	-13556.90	-10593.00	0.00	78.54	29.55	430.76
54	297.62	2	SLE R	-257828.00	-12687.80	-9913.87	0.00	78.54	29.29	427.63
55	297.62	2	SLE R	-248601.00	-12687.80	-9913.87	0.00	78.54	28.54	416.38
56	357.14	2	SLE R	-253143.00	-11581.10	-9049.14	0.00	78.54	28.18	412.04
57	357.14	2	SLE R	-243173.00	-11581.10	-9049.14	0.00	78.54	27.37	399.88
58	416.67	2	SLE R	-247986.00	-10336.10	-8076.36	0.00	78.54	26.94	394.64
59	416.67	2	SLE R	-237745.00	-10336.10	-8076.36	0.00	78.54	26.11	382.15
60	476.19	2	SLE R	-242359.00	-9032.21	-7057.51	0.00	78.54	25.63	376.13
61	476.19	2	SLE R	-232317.00	-9032.21	-7057.51	0.00	78.54	24.81	363.89
62	535.71	2	SLE R	-236262.00	-7730.88	-6040.69	0.00	78.54	24.28	357.08
63	535.71	2	SLE R	-226889.00	-7730.88	-6040.69	0.00	78.54	23.52	345.65
64	595.24	2	SLE R	-229799.00	-6478.20	-5061.88	0.00	78.54	22.93	338.02
65	595.24	2	SLE R	-221462.00	-6478.20	-5061.88	0.00	78.54	22.25	327.85
66	654.76	2	SLE R	-223365.00	-5306.93	-4146.69	0.00	78.54	21.64	319.72
67	654.76	2	SLE R	-216035.00	-5306.93	-4146.69	0.00	78.54	21.04	310.78
68	714.29	2	SLE R	-216959.00	-4238.71	-3312.01	0.00	78.54	20.42	302.37
69	714.29	2	SLE R	-210608.00	-4238.71	-3312.01	0.00	78.54	19.90	294.63
70	773.81	2	SLE R	-210581.00	-3286.06	-2567.63	0.00	78.54	19.27	286.09
71	773.81	2	SLE R	-205182.00	-3286.06	-2567.63	0.00	78.54	18.84	279.50
72	833.33	2	SLE R	-204230.00	-2454.21	-1917.65	0.00	78.54	18.21	270.92
73	833.33	2	SLE R	-199756.00	-2454.21	-1917.65	0.00	78.54	17.85	265.46
74	892.86	2	SLE R	-197905.00	-1742.76	-1361.74	0.00	78.54	17.23	256.85
75	892.86	2	SLE R	-194330.00	-1742.76	-1361.74	0.00	78.54	16.94	252.50
76	952.38	2	SLE R	-191604.00	-1147.08	-896.30	0.00	78.54	16.33	243.85
77	952.38	2	SLE R	-188904.00	-1147.08	-896.30	0.00	78.54	16.11	240.56
78	1011.90	2	SLE R	-185328.00	-659.57	-515.37	0.00	78.54	15.50	231.85
79	1011.90	2	SLE R	-183479.00	-659.57	-515.37	0.00	78.54	15.35	229.59
80	1071.43	2	SLE R	-179076.00	-270.64	-211.47	0.00	78.54	14.73	220.75
81	1071.43	2	SLE R	-178055.00	-270.64	-211.47	0.00	78.54	14.65	219.51
82	1130.95	2	SLE R	-172846.00	30.44	23.78	0.00	78.54	14.07	211.01
83	1130.95	2	SLE R	-172630.00	30.44	23.78	0.00	78.54	14.05	210.75
84	1190.48	2	SLE R	-166639.00	254.83	199.12	0.00	78.54	13.71	205.44
85	1190.48	2	SLE R	-167207.00	254.83	199.12	0.00	78.54	13.76	206.13
86	1250.00	2	SLE R	-160452.00	413.67	323.23	0.00	78.54	13.31	199.31
87	1250.00	2	SLE R	-161783.00	413.67	323.23	0.00	78.54	13.42	200.93
88	1309.52	2	SLE R	-154286.00	517.64	404.47	0.00	78.54	12.88	192.72
89	1309.52	2	SLE R	-156360.00	517.64	404.47	0.00	78.54	13.05	195.25
90	1369.05	2	SLE R	-148140.00	576.72	450.63	0.00	78.54	12.42	185.75
91	1369.05	2	SLE R	-150938.00	576.72	450.63	0.00	78.54	12.65	189.16
92	1428.57	2	SLE R	-142012.00	599.99	468.82	0.00	78.54	11.94	178.49
93	1428.57	2	SLE R	-145516.00	599.99	468.82	0.00	78.54	12.22	182.76
94	1488.10	2	SLE R	-135902.00	595.55	465.35	0.00	78.54	11.44	171.00
95	1488.10	2	SLE R	-140095.00	595.55	465.35	0.00	78.54	11.78	176.11
96	1547.62	2	SLE R	-129810.00	570.46	445.74	0.00	78.54	10.93	163.34
97	1547.62	2	SLE R	-134674.00	570.46	445.74	0.00	78.54	11.32	169.28
98	1607.14	2	SLE R	-123734.00	530.75	414.71	0.00	78.54	10.41	155.58
99	1607.14	2	SLE R	-129253.00	530.75	414.71	0.00	78.54	10.85	162.31
100	1666.67	2	SLE R	-117673.00	481.47	376.21	0.00	78.54	9.88	147.76
101	1666.67	2	SLE R	-123834.00	481.47	376.21	0.00	78.54	10.38	155.27
102	1726.19	2	SLE R	-111628.00	426.78	333.47	0.00	78.54	9.35	139.90
103	1726.19	2	SLE R	-118414.00	426.78	333.47	0.00	78.54	9.91	148.17
104	1785.71	2	SLE R	-105597.00	369.98	289.09	0.00	78.54	8.83	132.04
105	1785.71	2	SLE R	-112996.00	369.98	289.09	0.00	78.54	9.43	141.06
106	1845.24	2	SLE R	-99579.10	313.65	245.07	0.00	78.54	8.30	124.20
107	1845.24	2	SLE R	-107578.00	313.65	245.07	0.00	78.54	8.95	133.95
108	1904.76	2	SLE R	-93574.00	259.73	202.94	0.00	78.54	7.78	116.40
109	1904.76	2	SLE R	-102161.00	259.73	202.94	0.00	78.54	8.47	126.87
110	1964.29	2	SLE R	-87580.80	209.62	163.79	0.00	78.54	7.26	108.65
111	1964.29	2	SLE R	-96744.20	209.62	163.79	0.00	78.54	8.00	119.82
112	2023.81	2	SLE R	-81598.60	164.28	128.37	0.00	78.54	6.74	100.95
113	2023.81	2	SLE R	-91328.30	164.28	128.37	0.00	78.54	7.53	112.81
114	2083.33	2	SLE R	-75626.90	124.30	97.13	0.00	78.54	6.23	93.31
115	2083.33	2	SLE R	-85913.10	124.30	97.13	0.00	78.54	7.06	105.86
116	2142.86	2	SLE R	-69664.70	89.99	70.32	0.00	78.54	5.72	85.74
117	2142.86	2	SLE R	-80498.70	89.99	70.32	0.00	78.54	6.60	98.95
118	2202.38	2	SLE R	-63711.40	61.44	48.01	0.00	78.54	5.22	78.23
119	2202.38	2	SLE R	-75084.90	61.44	48.01	0.00	78.54	6.14	92.09
120	2261.90	2	SLE R	-57766.20	38.60	30.16	0.00	78.54	4.72	70.77
121	2261.90	2	SLE R	-69672.00	38.60	30.16	0.00	78.54	5.69	85.29

122	2321.43	2	SLE R	-51828.30	21.28	16.63	0.00	78.54	4.23	63.38
123	2321.43	2	SLE R	-64259.80	21.28	16.63	0.00	78.54	5.24	78.54
124	2380.95	2	SLE R	-45897.00	9.26	7.24	0.00	78.54	3.74	56.04
125	2380.95	2	SLE R	-58848.40	9.26	7.24	0.00	78.54	4.79	71.83
126	2440.48	2	SLE R	-39971.50	2.27	1.77	0.00	78.54	3.25	48.76
127	2440.48	2	SLE R	-53437.90	2.27	1.77	0.00	78.54	4.35	65.17
128	2500.00	2	SLE R	-34051.10	0.00	0.00	0.00	78.54	2.77	41.52
129	2500.00	2	SLE R	-48028.20	0.00	0.00	0.00	78.54	3.90	58.56
130	0.00	4	SLE Q	-272189.00	-11884.50	-9286.20	0.00	78.54	29.93	437.97
131	0.00	4	SLE Q	-272189.00	-11884.50	-9286.20	0.00	78.54	29.93	437.97
132	59.52	4	SLE Q	-271865.00	-13411.90	-10479.70	0.00	78.54	30.90	451.21
133	59.52	4	SLE Q	-270316.00	-13411.90	-10479.70	0.00	78.54	30.78	449.32
134	119.05	4	SLE Q	-269062.00	-14075.40	-10998.10	0.00	78.54	31.11	453.72
135	119.05	4	SLE Q	-264887.00	-14075.40	-10998.10	0.00	78.54	30.77	448.63
136	178.57	4	SLE Q	-265788.00	-14067.60	-10992.00	0.00	78.54	30.84	449.65
137	178.57	4	SLE Q	-259458.00	-14067.60	-10992.00	0.00	78.54	30.32	441.94
138	238.09	4	SLE Q	-262043.00	-13556.90	-10593.00	0.00	78.54	30.20	440.53
139	238.09	4	SLE Q	-254030.00	-13556.90	-10593.00	0.00	78.54	29.55	430.76
140	297.62	4	SLE Q	-257828.00	-12687.80	-9913.87	0.00	78.54	29.29	427.63
141	297.62	4	SLE Q	-248601.00	-12687.80	-9913.87	0.00	78.54	28.54	416.38
142	357.14	4	SLE Q	-253143.00	-11581.10	-9049.14	0.00	78.54	28.18	412.04
143	357.14	4	SLE Q	-243173.00	-11581.10	-9049.14	0.00	78.54	27.37	399.88
144	416.67	4	SLE Q	-247986.00	-10336.10	-8076.36	0.00	78.54	26.94	394.64
145	416.67	4	SLE Q	-237745.00	-10336.10	-8076.36	0.00	78.54	26.11	382.15
146	476.19	4	SLE Q	-242359.00	-9032.21	-7057.51	0.00	78.54	25.63	376.13
147	476.19	4	SLE Q	-232317.00	-9032.21	-7057.51	0.00	78.54	24.81	363.89
148	535.71	4	SLE Q	-236262.00	-7730.88	-6040.69	0.00	78.54	24.28	357.08
149	535.71	4	SLE Q	-226889.00	-7730.88	-6040.69	0.00	78.54	23.52	345.65
150	595.24	4	SLE Q	-229799.00	-6478.20	-5061.88	0.00	78.54	22.93	338.02
151	595.24	4	SLE Q	-221462.00	-6478.20	-5061.88	0.00	78.54	22.25	327.85
152	654.76	4	SLE Q	-223365.00	-5306.93	-4146.69	0.00	78.54	21.64	319.72
153	654.76	4	SLE Q	-216035.00	-5306.93	-4146.69	0.00	78.54	21.04	310.78
154	714.29	4	SLE Q	-216959.00	-4238.71	-3312.01	0.00	78.54	20.42	302.37
155	714.29	4	SLE Q	-210608.00	-4238.71	-3312.01	0.00	78.54	19.90	294.63
156	773.81	4	SLE Q	-210581.00	-3286.06	-2567.63	0.00	78.54	19.27	286.09
157	773.81	4	SLE Q	-205182.00	-3286.06	-2567.63	0.00	78.54	18.84	279.50
158	833.33	4	SLE Q	-204230.00	-2454.21	-1917.65	0.00	78.54	18.21	270.92
159	833.33	4	SLE Q	-199756.00	-2454.21	-1917.65	0.00	78.54	17.85	265.46
160	892.86	4	SLE Q	-197905.00	-1742.76	-1361.74	0.00	78.54	17.23	256.85
161	892.86	4	SLE Q	-194330.00	-1742.76	-1361.74	0.00	78.54	16.94	252.50
162	952.38	4	SLE Q	-191604.00	-1147.08	-896.30	0.00	78.54	16.33	243.85
163	952.38	4	SLE Q	-188904.00	-1147.08	-896.30	0.00	78.54	16.11	240.56
164	1011.90	4	SLE Q	-185328.00	-659.57	-515.37	0.00	78.54	15.50	231.85
165	1011.90	4	SLE Q	-183479.00	-659.57	-515.37	0.00	78.54	15.35	229.59
166	1071.43	4	SLE Q	-179076.00	-270.64	-211.47	0.00	78.54	14.73	220.75
167	1071.43	4	SLE Q	-178055.00	-270.64	-211.47	0.00	78.54	14.65	219.51
168	1130.95	4	SLE Q	-172846.00	30.44	23.78	0.00	78.54	14.07	211.01
169	1130.95	4	SLE Q	-172630.00	30.44	23.78	0.00	78.54	14.05	210.75
170	1190.48	4	SLE Q	-166639.00	254.83	199.12	0.00	78.54	13.71	205.44
171	1190.48	4	SLE Q	-167207.00	254.83	199.12	0.00	78.54	13.76	206.13
172	1250.00	4	SLE Q	-160452.00	413.67	323.23	0.00	78.54	13.31	199.31
173	1250.00	4	SLE Q	-161783.00	413.67	323.23	0.00	78.54	13.42	200.93
174	1309.52	4	SLE Q	-154286.00	517.64	404.47	0.00	78.54	12.88	192.72
175	1309.52	4	SLE Q	-156360.00	517.64	404.47	0.00	78.54	13.05	195.25
176	1369.05	4	SLE Q	-148140.00	576.72	450.63	0.00	78.54	12.42	185.75
177	1369.05	4	SLE Q	-150938.00	576.72	450.63	0.00	78.54	12.65	189.16
178	1428.57	4	SLE Q	-142012.00	599.99	468.82	0.00	78.54	11.94	178.49
179	1428.57	4	SLE Q	-145516.00	599.99	468.82	0.00	78.54	12.22	182.76
180	1488.10	4	SLE Q	-135902.00	595.55	465.35	0.00	78.54	11.44	171.00
181	1488.10	4	SLE Q	-140095.00	595.55	465.35	0.00	78.54	11.78	176.11
182	1547.62	4	SLE Q	-129810.00	570.46	445.74	0.00	78.54	10.93	163.34
183	1547.62	4	SLE Q	-134674.00	570.46	445.74	0.00	78.54	11.32	169.28
184	1607.14	4	SLE Q	-123734.00	530.75	414.71	0.00	78.54	10.41	155.58
185	1607.14	4	SLE Q	-129253.00	530.75	414.71	0.00	78.54	10.85	162.31
186	1666.67	4	SLE Q	-117673.00	481.47	376.21	0.00	78.54	9.88	147.76
187	1666.67	4	SLE Q	-123834.00	481.47	376.21	0.00	78.54	10.38	155.27
188	1726.19	4	SLE Q	-111628.00	426.78	333.47	0.00	78.54	9.35	139.90
189	1726.19	4	SLE Q	-118414.00	426.78	333.47	0.00	78.54	9.91	148.17
190	1785.71	4	SLE Q	-105597.00	369.98	289.09	0.00	78.54	8.83	132.04
191	1785.71	4	SLE Q	-112996.00	369.98	289.09	0.00	78.54	9.43	141.06
192	1845.24	4	SLE Q	-99579.10	313.65	245.07	0.00	78.54	8.30	124.20
193	1845.24	4	SLE Q	-107578.00	313.65	245.07	0.00	78.54	8.95	133.95
194	1904.76	4	SLE Q	-93574.00	259.73	202.94	0.00	78.54	7.78	116.40
195	1904.76	4	SLE Q	-102161.00	259.73	202.94	0.00	78.54	8.47	126.87
196	1964.29	4	SLE Q	-87580.80	209.62	163.79	0.00	78.54	7.26	108.65
197	1964.29	4	SLE Q	-96744.20	209.62	163.79	0.00	78.54	8.00	119.82

198	2023.81	4	SLE Q	-81598.60	164.28	128.37	0.00	78.54	6.74	100.95
199	2023.81	4	SLE Q	-91328.30	164.28	128.37	0.00	78.54	7.53	112.81
200	2083.33	4	SLE Q	-75626.90	124.30	97.13	0.00	78.54	6.23	93.31
201	2083.33	4	SLE Q	-85913.10	124.30	97.13	0.00	78.54	7.06	105.86
202	2142.86	4	SLE Q	-69664.70	89.99	70.32	0.00	78.54	5.72	85.74
203	2142.86	4	SLE Q	-80498.70	89.99	70.32	0.00	78.54	6.60	98.95
204	2202.38	4	SLE Q	-63711.40	61.44	48.01	0.00	78.54	5.22	78.23
205	2202.38	4	SLE Q	-75084.90	61.44	48.01	0.00	78.54	6.14	92.09
206	2261.90	4	SLE Q	-57766.20	38.60	30.16	0.00	78.54	4.72	70.77
207	2261.90	4	SLE Q	-69672.00	38.60	30.16	0.00	78.54	5.69	85.29
208	2321.43	4	SLE Q	-51828.30	21.28	16.63	0.00	78.54	4.23	63.38
209	2321.43	4	SLE Q	-64259.80	21.28	16.63	0.00	78.54	5.24	78.54
210	2380.95	4	SLE Q	-45897.00	9.26	7.24	0.00	78.54	3.74	56.04
211	2380.95	4	SLE Q	-58848.40	9.26	7.24	0.00	78.54	4.79	71.83
212	2440.48	4	SLE Q	-39971.50	2.27	1.77	0.00	78.54	3.25	48.76
213	2440.48	4	SLE Q	-53437.90	2.27	1.77	0.00	78.54	4.35	65.17
214	2500.00	4	SLE Q	-34051.10	0.00	0.00	0.00	78.54	2.77	41.52
215	2500.00	4	SLE Q	-48028.20	0.00	0.00	0.00	78.54	3.90	58.56

Verifiche principali

Caso	Tipo
1	SLU N cost - min. sic.,SLU Taglio - min. sic. c.a.,SLU Taglio - min. sic. acciaio
48	C.Rare - Sc min (max compr.),C.Rare - Sf min (max compr.)
128	C.Rare - Sc max (min. compr.),C.Rare - Sf max (max traz.)
134	C.Q.Per. - Sc min (max compr.),C.Q.Per. - Sf min (max compr.)
214	C.Q.Per. - Sc max (min. compr.),C.Q.Per. - Sf max (max traz.)

Palo n. 6

Caratteristiche del palo e dei materiali utilizzati

R <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
60.00	6.00	C30/37	307.10	20.59	174.02	13.73	B450C	4300.00	3913.04

Le sollecitazioni nei pali vengono calcolate oltre che per l'effetto delle reazioni vincolari anche considerando i seguenti effetti

Azioni ed effetti comuni

Az	N <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
PP	0.00	0.00	0.00	
SVR	0.00			

Azioni ed effetti - Plinto/Palo n. 6 (-151)

Caso	CC	TCC	Az	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	RVN	320999.00	6153.29	739.71	11338.00	38419.30
	1	SLU	TAG				0.00	0.00
	1	SLU	ECC				0.00	0.00
	1	SLU	TOT	320999.00	6153.29	739.71	11338.00	38419.30
2	2	SLE R	RVN	237777.00	4558.00	547.93	8398.50	28458.70
	2	SLE R	TAG				0.00	0.00
	2	SLE R	ECC				0.00	0.00
	2	SLE R	TOT	237777.00	4558.00	547.93	8398.50	28458.70
3	3	SLE F	RVN	237777.00	4558.00	547.93	8398.50	28458.70
	3	SLE F	TAG				0.00	0.00
	3	SLE F	ECC				0.00	0.00
	3	SLE F	TOT	237777.00	4558.00	547.93	8398.50	28458.70
4	4	SLE Q	RVN	237777.00	4558.00	547.93	8398.50	28458.70
	4	SLE Q	TAG				0.00	0.00
	4	SLE Q	ECC				0.00	0.00
	4	SLE Q	TOT	237777.00	4558.00	547.93	8398.50	28458.70

Sollecitazioni nei pali

Caso	CC	TCC	Palo	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	1	-320999.00	-6153.29	-739.71	-11338.00	-38419.30
2	2	SLE R	1	-237777.00	-4558.00	-547.93	-8398.50	-28458.70
3	3	SLE F	1	-237777.00	-4558.00	-547.93	-8398.50	-28458.70
4	4	SLE Q	1	-237777.00	-4558.00	-547.93	-8398.50	-28458.70

Da 0 a -25

Stato limite ultimo - Verifiche a flessione/pressoflessione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	Rott.	α <grad>	Sic.

1	0.00	1	SLU	-320999.00	11211.10	-37989.30	-320999.00	73461.60	-251557.00	2-3	253.75	6.616
2	59.52	1	SLU	-320674.00	11901.10	-40327.40	-320674.00	73438.70	-251467.00	2-3	253.75	6.230
3	119.05	1	SLU	-317871.00	11991.20	-40632.60	-317871.00	73240.40	-250686.00	2-3	253.75	6.165
4	178.57	1	SLU	-314597.00	11628.40	-39403.40	-314597.00	73008.20	-249773.00	2-3	253.75	6.334
5	238.09	1	SLU	-310853.00	10939.30	-37068.20	-310853.00	72742.10	-248729.00	2-3	253.75	6.705
6	297.62	1	SLU	-306638.00	10030.20	-33988.00	-306638.00	72441.50	-247543.00	2-3	253.75	7.278
7	357.14	1	SLU	-301952.00	8989.08	-30459.90	-301952.00	72106.40	-246224.00	2-3	253.75	8.079
8	416.67	1	SLU	-296796.00	7886.23	-26722.90	-2571250.00	71736.40	-244764.00	2-3	253.75	8.663
9	476.19	1	SLU	-291169.00	6776.72	-22963.30	-2571250.00	71235.50	-243156.00	2-3	253.75	8.831
10	535.71	1	SLU	-285071.00	5702.04	-19321.60	-2571250.00	70618.40	-241395.00	2-3	253.75	9.020
11	595.24	1	SLU	-278503.00	4692.03	-15899.20	-2571250.00	69950.70	-239490.00	2-3	253.75	9.232
12	654.76	1	SLU	-271464.00	3766.73	-12763.70	-2571250.00	69227.50	-237433.00	2-3	253.75	9.472
13	714.29	1	SLU	-263955.00	2938.12	-9955.97	-2571250.00	68448.60	-235224.00	2-3	253.75	9.741
14	773.81	1	SLU	-256148.00	2211.72	-7494.52	-2571250.00	67632.20	-232913.00	2-3	253.75	10.038
15	833.33	1	SLU	-248374.00	1587.99	-5380.98	-2571250.00	66812.60	-230598.00	2-3	253.75	10.352
16	892.86	1	SLU	-240631.00	1063.59	-3604.04	-2571250.00	66175.80	-228130.00	2-3	253.75	10.685
17	952.38	1	SLU	-232918.00	632.47	-2143.16	-2571250.00	65517.50	-225648.00	2-3	253.75	11.039
18	1011.90	1	SLU	-225235.00	286.73	-971.61	-2571250.00	64835.50	-223155.00	2-3	253.75	11.416
19	1071.43	1	SLU	-217581.00	17.41	-58.98	-2571250.00	64152.20	-220655.00	2-3	253.75	11.817
20	1130.95	1	SLU	-209955.00	-184.98	626.81	-2571250.00	-63961.10	218125.00	2-3	73.75	12.247
21	1190.48	1	SLU	-202355.00	-329.92	1117.93	-2571250.00	-63217.80	215705.00	2-3	73.75	12.707
22	1250.00	1	SLU	-194780.00	-426.58	1445.49	-2571250.00	-62314.10	213271.00	2-3	73.75	13.201
23	1309.52	1	SLU	-187231.00	-483.59	1638.65	-2571250.00	-61405.70	210831.00	2-3	73.75	13.733
24	1369.05	1	SLU	-179705.00	-508.81	1724.11	-2571250.00	-60491.00	208384.00	2-3	73.75	14.308
25	1428.57	1	SLU	-172202.00	-509.28	1725.73	-2571250.00	-59568.30	205928.00	2-3	73.75	14.932
26	1488.10	1	SLU	-164721.00	-491.19	1664.42	-2571250.00	-58640.80	203467.00	2-3	73.75	15.610
27	1547.62	1	SLU	-157261.00	-459.81	1558.10	-2571250.00	-57871.40	200883.00	2-3	73.75	16.350
28	1607.14	1	SLU	-149821.00	-419.61	1421.87	-2571250.00	-57188.30	198225.00	2-3	73.75	17.162
29	1666.67	1	SLU	-142399.00	-374.23	1268.11	-2571250.00	-56505.50	195552.00	2-3	73.75	18.057
30	1726.19	1	SLU	-134996.00	-326.62	1106.76	-2571250.00	-55823.10	192868.00	2-3	73.75	19.047
31	1785.71	1	SLU	-127610.00	-279.06	945.61	-2571250.00	-55140.80	190173.00	2-3	73.75	20.149
32	1845.24	1	SLU	-120241.00	-233.29	790.50	-2571250.00	-54458.40	187467.00	2-3	73.75	21.384
33	1904.76	1	SLU	-112886.00	-190.55	645.68	-2571250.00	-53776.00	184750.00	2-3	73.75	22.777
34	1964.29	1	SLU	-105546.00	-151.69	514.03	-2571250.00	-53093.90	182019.00	2-3	73.75	24.361
35	2023.81	1	SLU	-98219.10	-117.25	397.29	-2571250.00	-52411.40	179278.00	2-3	73.75	26.179
36	2083.33	1	SLU	-90904.80	-87.46	296.36	-2571250.00	-51694.10	176525.00	2-3	73.75	28.285
37	2142.86	1	SLU	-83602.00	-62.39	211.41	-2571250.00	-50961.20	173761.00	2-3	73.75	30.756
38	2202.38	1	SLU	-76309.90	-41.95	142.14	-2571250.00	-50226.00	170984.00	2-3	73.75	33.695
39	2261.90	1	SLU	-69027.40	-25.93	87.86	-2571250.00	-49489.10	168200.00	2-3	73.75	37.250
40	2321.43	1	SLU	-61753.70	-14.05	47.63	-2571250.00	-48750.40	165407.00	2-3	73.75	41.637
41	2380.95	1	SLU	-54487.90	-6.01	20.36	-2571250.00	-48010.00	162604.00	2-3	73.75	47.189
42	2440.48	1	SLU	-47228.90	-1.44	4.89	-2571250.00	-47268.40	159790.00	2-3	73.75	54.442
43	2500.00	1	SLU	-39976.00	0.00	0.00	-2571250.00					64.320

Stato limite ultimo – Verifiche a taglio

Caso	X <cm>	CC	TCC	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1	0.00	1	SLU	6153.29	739.71	0.85	11.31	6197.59	1.00	32294.70	377648.00	32294.70	5.211
2	59.52	1	SLU	2143.94	257.73	0.85	11.31	2159.38	1.00	32294.70	377601.00	32294.70	14.956
3	119.05	1	SLU	-937.79	-112.73	0.85	11.31	944.54	1.00	32294.70	377200.00	32294.70	34.191
4	178.57	1	SLU	-3213.74	-386.33	0.85	11.31	3236.88	1.00	32294.70	376731.00	32294.70	9.977
5	238.09	1	SLU	-4804.12	-577.52	0.85	11.31	4838.71	1.00	32294.70	376195.00	32294.70	6.674
6	297.62	1	SLU	-5823.64	-700.08	0.85	11.31	5865.57	1.00	32294.70	375591.00	32294.70	5.506
7	357.14	1	SLU	-6378.74	-766.81	0.85	11.31	6424.66	1.00	32294.70	374920.00	32294.70	5.027
8	416.67	1	SLU	-6565.85	-789.30	0.85	11.31	6613.13	1.00	32294.70	374181.00	32294.70	4.883
9	476.19	1	SLU	-6470.48	-777.84	0.85	11.31	6517.06	1.00	32294.70	373375.00	32294.70	4.955
10	535.71	1	SLU	-6166.80	-741.33	0.85	11.31	6211.20	1.00	32294.70	372502.00	32294.70	5.199
11	595.24	1	SLU	-5717.90	-687.37	0.85	11.31	5759.07	1.00	32294.70	371561.00	32294.70	5.608
12	654.76	1	SLU	-5176.28	-622.26	0.85	11.31	5213.55	1.00	32294.70	370553.00	32294.70	6.194
13	714.29	1	SLU	-4584.59	-551.13	0.85	11.31	4617.60	1.00	32294.70	369477.00	32294.70	6.994
14	773.81	1	SLU	-3976.60	-478.04	0.85	11.31	4005.23	1.00	32294.70	368359.00	32294.70	8.063
15	833.33	1	SLU	-3378.21	-406.11	0.85	11.31	3402.53	1.00	32294.70	367245.00	32294.70	9.491
16	892.86	1	SLU	-2808.47	-337.62	0.85	11.31	2828.69	1.00	32294.70	366136.00	32294.70	11.417
17	952.38	1	SLU	-2280.65	-274.16	0.85	11.31	2297.07	1.00	32294.70	365031.00	32294.70	14.059
18	1011.90	1	SLU	-1803.16	-216.76	0.85	11.31	1816.15	1.00	32294.70	363931.00	32294.70	17.782
19	1071.43	1	SLU	-1380.53	-165.96	0.85	11.31	1390.47	1.00	32294.70	362834.00	32294.70	23.226
20	1130.95	1	SLU	-1014.17	-121.92	0.85	11.31	1021.47	1.00	32294.70	361742.00	32294.70	31.616
21	1190.48	1	SLU	-703.12	-84.52	0.85	11.31	708.18	1.00	32294.70	360653.00	32294.70	45.602
22	1250.00	1	SLU	-444.68	-53.46	0.85	11.31	447.88	1.00	32294.70	359568.00	32294.70	72.106
23	1309.52	1	SLU	-234.94	-28.24	0.85	11.31	236.63	1.00	32294.70	358487.00	32294.70	>100
24	1369.05	1	SLU	-69.23	-8.32	0.85	11.31	69.72	1.00	32294.70	357409.00	32294.70	>100
25	1428.57	1	SLU	57.53	6.92	0.85	11.31	57.95	1.00	32294.70	356334.00	32294.70	>100
26	1488.10	1	SLU	150.54	18.10	0.85	11.31	151.62	1.00	32294.70	355263.00	32294.70	>100
27	1547.62	1	SLU	214.88	25.83	0.85	11.31	216.42	1.00	32294.70	354194.00	32294.70	>100
28	1607.14	1	SLU	255.39	30.70	0.85	11.31	257.23	1.00	32294.70	353128.00	32294.70	>100
29	1666.67	1	SLU	276.56	33.25	0.85	11.31	278.55	1.00	32294.70	352065.00	32294.70	>100
30	1726.19	1	SLU	282.39	33.95	0.85	11.31	284.43	1.00	32294.70	351005.00	32294.70	>100

31	1785.71	1	SLU	276.46	33.23	0.85	11.31	278.45	1.00	32294.70	349947.00	32294.70	>100
32	1845.24	1	SLU	261.82	31.47	0.85	11.31	263.70	1.00	32294.70	348891.00	32294.70	>100
33	1904.76	1	SLU	241.07	28.98	0.85	11.31	242.81	1.00	32294.70	347838.00	32294.70	>100
34	1964.29	1	SLU	216.36	26.01	0.85	11.31	217.92	1.00	32294.70	346786.00	32294.70	>100
35	2023.81	1	SLU	189.42	22.77	0.85	11.31	190.78	1.00	32294.70	345737.00	32294.70	>100
36	2083.33	1	SLU	161.60	19.43	0.85	11.31	162.77	1.00	32294.70	344689.00	32294.70	>100
37	2142.86	1	SLU	133.94	16.10	0.85	11.31	134.91	1.00	32294.70	343643.00	32294.70	>100
38	2202.38	1	SLU	107.20	12.89	0.85	11.31	107.97	1.00	32294.70	342599.00	32294.70	>100
39	2261.90	1	SLU	81.89	9.84	0.85	11.31	82.48	1.00	32294.70	341556.00	32294.70	>100
40	2321.43	1	SLU	58.36	7.02	0.85	11.31	58.78	1.00	32294.70	340514.00	32294.70	>100
41	2380.95	1	SLU	36.82	4.43	0.85	11.31	37.08	1.00	32294.70	339473.00	32294.70	>100
42	2440.48	1	SLU	17.35	2.09	0.85	11.31	17.48	1.00	32294.70	338433.00	32294.70	>100

Verifiche stato limite d'esercizio

Caso	X <cm>	CC	TCC	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ_C <daN/cmq>	σ_f <daN/cmq>
44	0.00	2	SLE R	-237777.00	-28140.20	8304.50	0.00	78.54	34.51	495.61
45	0.00	2	SLE R	-237777.00	-28140.20	8304.50	0.00	78.54	34.51	495.61
46	59.52	2	SLE R	-237452.00	-29872.10	8815.61	0.00	78.54	35.42	507.87
47	59.52	2	SLE R	-235904.00	-29872.10	8815.61	0.00	78.54	35.29	505.98
48	119.05	2	SLE R	-234649.00	-30098.20	8882.34	0.00	78.54	35.31	506.11
49	119.05	2	SLE R	-230475.00	-30098.20	8882.34	0.00	78.54	34.97	501.02
50	178.57	2	SLE R	-231376.00	-29187.70	8613.62	0.00	78.54	34.55	495.46
51	178.57	2	SLE R	-225046.00	-29187.70	8613.62	0.00	78.54	34.04	487.74
52	238.09	2	SLE R	-227631.00	-27457.90	8103.15	0.00	78.54	33.32	478.25
53	238.09	2	SLE R	-219640.00	-27457.90	8103.15	0.00	78.54	32.67	468.50
54	297.62	2	SLE R	-223416.00	-25176.30	7429.81	0.00	78.54	31.74	456.43
55	297.62	2	SLE R	-214262.00	-25176.30	7429.81	0.00	78.54	31.00	445.27
56	357.14	2	SLE R	-218730.00	-22562.90	6658.58	0.00	78.54	29.95	431.62
57	357.14	2	SLE R	-208910.00	-22562.90	6658.58	0.00	78.54	29.15	419.64
58	416.67	2	SLE R	-213574.00	-19794.70	5841.65	0.00	78.54	28.04	405.09
59	416.67	2	SLE R	-203586.00	-19794.70	5841.65	0.00	78.54	27.23	392.92
60	476.19	2	SLE R	-208012.00	-17009.80	5019.79	0.00	78.54	26.08	377.95
61	476.19	2	SLE R	-198287.00	-17009.80	5019.79	0.00	78.54	25.29	366.10
62	535.71	2	SLE R	-202476.00	-14312.30	4223.73	0.00	78.54	24.18	351.49
63	535.71	2	SLE R	-193013.00	-14312.30	4223.73	0.00	78.54	23.41	339.95
64	595.24	2	SLE R	-196966.00	-11777.20	3475.58	0.00	78.54	22.36	326.24
65	595.24	2	SLE R	-187764.00	-11777.20	3475.58	0.00	78.54	21.62	315.02
66	654.76	2	SLE R	-191480.00	-9454.63	2790.17	0.00	78.54	20.66	302.57
67	654.76	2	SLE R	-182539.00	-9454.63	2790.17	0.00	78.54	19.94	291.67
68	714.29	2	SLE R	-186020.00	-7374.79	2176.39	0.00	78.54	19.10	280.71
69	714.29	2	SLE R	-177336.00	-7374.79	2176.39	0.00	78.54	18.39	270.12
70	773.81	2	SLE R	-180582.00	-5551.50	1638.31	0.00	78.54	17.67	260.75
71	773.81	2	SLE R	-172157.00	-5551.50	1638.31	0.00	78.54	16.99	250.48
72	833.33	2	SLE R	-175168.00	-3985.91	1176.29	0.00	78.54	16.39	242.71
73	833.33	2	SLE R	-166999.00	-3985.91	1176.29	0.00	78.54	15.72	232.75
74	892.86	2	SLE R	-169776.00	-2669.66	787.85	0.00	78.54	15.24	226.51
75	892.86	2	SLE R	-161862.00	-2669.66	787.85	0.00	78.54	14.60	216.86
76	952.38	2	SLE R	-164406.00	-1587.53	468.50	0.00	78.54	14.22	212.06
77	952.38	2	SLE R	-156746.00	-1587.53	468.50	0.00	78.54	13.60	202.72
78	1011.90	2	SLE R	-159056.00	-719.71	212.40	0.00	78.54	13.32	199.19
79	1011.90	2	SLE R	-151650.00	-719.71	212.40	0.00	78.54	12.71	190.16
80	1071.43	2	SLE R	-153726.00	-43.69	12.89	0.00	78.54	12.52	187.75
81	1071.43	2	SLE R	-146573.00	-43.69	12.89	0.00	78.54	11.94	179.03
82	1130.95	2	SLE R	-148417.00	464.30	-137.02	0.00	78.54	12.31	184.36
83	1130.95	2	SLE R	-141515.00	464.30	-137.02	0.00	78.54	11.75	175.95
84	1190.48	2	SLE R	-143126.00	828.10	-244.38	0.00	78.54	12.08	180.58
85	1190.48	2	SLE R	-136475.00	828.10	-244.38	0.00	78.54	11.54	172.47
86	1250.00	2	SLE R	-137853.00	1070.73	-315.99	0.00	78.54	11.78	175.93
87	1250.00	2	SLE R	-131452.00	1070.73	-315.99	0.00	78.54	11.26	168.13
88	1309.52	2	SLE R	-132597.00	1213.82	-358.21	0.00	78.54	11.43	170.57
89	1309.52	2	SLE R	-126445.00	1213.82	-358.21	0.00	78.54	10.93	163.07
90	1369.05	2	SLE R	-127359.00	1277.12	-376.89	0.00	78.54	11.04	164.65
91	1369.05	2	SLE R	-121455.00	1277.12	-376.89	0.00	78.54	10.56	157.45
92	1428.57	2	SLE R	-122136.00	1278.32	-377.25	0.00	78.54	10.62	158.29
93	1428.57	2	SLE R	-116480.00	1278.32	-377.25	0.00	78.54	10.16	151.39
94	1488.10	2	SLE R	-116929.00	1232.90	-363.84	0.00	78.54	10.17	151.61
95	1488.10	2	SLE R	-111520.00	1232.90	-363.84	0.00	78.54	9.73	145.01
96	1547.62	2	SLE R	-111737.00	1154.15	-340.60	0.00	78.54	9.70	144.70
97	1547.62	2	SLE R	-106574.00	1154.15	-340.60	0.00	78.54	9.29	138.41
98	1607.14	2	SLE R	-106559.00	1053.24	-310.82	0.00	78.54	9.23	137.65
99	1607.14	2	SLE R	-101642.00	1053.24	-310.82	0.00	78.54	8.83	131.65
100	1666.67	2	SLE R	-101395.00	939.34	-277.21	0.00	78.54	8.75	130.51
101	1666.67	2	SLE R	-96722.60	939.34	-277.21	0.00	78.54	8.37	124.82
102	1726.19	2	SLE R	-96243.70	819.83	-241.94	0.00	78.54	8.27	123.36
103	1726.19	2	SLE R	-91815.40	819.83	-241.94	0.00	78.54	7.91	117.96
104	1785.71	2	SLE R	-91104.40	700.45	-206.71	0.00	78.54	7.78	116.22

105	1785.71	2	SLE R	-86919.90	700.45	-206.71	0.00	78.54	7.44	111.11
106	1845.24	2	SLE R	-85976.80	585.56	-172.81	0.00	78.54	7.30	109.12
107	1845.24	2	SLE R	-82035.40	585.56	-172.81	0.00	78.54	6.98	104.32
108	1904.76	2	SLE R	-80860.00	478.28	-141.15	0.00	78.54	6.83	102.10
109	1904.76	2	SLE R	-77161.40	478.28	-141.15	0.00	78.54	6.53	97.59
110	1964.29	2	SLE R	-75753.50	380.76	-112.37	0.00	78.54	6.36	95.15
111	1964.29	2	SLE R	-72297.10	380.76	-112.37	0.00	78.54	6.08	90.94
112	2023.81	2	SLE R	-70656.60	294.29	-86.85	0.00	78.54	5.90	88.31
113	2023.81	2	SLE R	-67442.10	294.29	-86.85	0.00	78.54	5.64	84.39
114	2083.33	2	SLE R	-65568.80	219.52	-64.78	0.00	78.54	5.45	81.55
115	2083.33	2	SLE R	-62595.50	219.52	-64.78	0.00	78.54	5.21	77.93
116	2142.86	2	SLE R	-60489.20	156.60	-46.22	0.00	78.54	5.00	74.90
117	2142.86	2	SLE R	-57757.00	156.60	-46.22	0.00	78.54	4.78	71.57
118	2202.38	2	SLE R	-55417.30	105.29	-31.07	0.00	78.54	4.56	68.34
119	2202.38	2	SLE R	-52925.70	105.29	-31.07	0.00	78.54	4.36	65.30
120	2261.90	2	SLE R	-50352.40	65.08	-19.21	0.00	78.54	4.13	61.87
121	2261.90	2	SLE R	-48101.20	65.08	-19.21	0.00	78.54	3.94	59.12
122	2321.43	2	SLE R	-45294.00	35.28	-10.41	0.00	78.54	3.70	55.48
123	2321.43	2	SLE R	-43282.80	35.28	-10.41	0.00	78.54	3.54	53.03
124	2380.95	2	SLE R	-40241.20	15.08	-4.45	0.00	78.54	3.28	49.17
125	2380.95	2	SLE R	-38469.90	15.08	-4.45	0.00	78.54	3.14	47.01
126	2440.48	2	SLE R	-35193.60	3.62	-1.07	0.00	78.54	2.86	42.94
127	2440.48	2	SLE R	-33661.90	3.62	-1.07	0.00	78.54	2.74	41.07
128	2500.00	2	SLE R	-30150.50	0.00	0.00	0.00	78.54	2.45	36.76
129	2500.00	2	SLE R	-28858.10	0.00	0.00	0.00	78.54	2.35	35.19
130	0.00	4	SLE Q	-237777.00	-28140.20	8304.50	0.00	78.54	34.51	495.61
131	0.00	4	SLE Q	-237777.00	-28140.20	8304.50	0.00	78.54	34.51	495.61
132	59.52	4	SLE Q	-237452.00	-29872.10	8815.61	0.00	78.54	35.42	507.87
133	59.52	4	SLE Q	-235904.00	-29872.10	8815.61	0.00	78.54	35.29	505.98
134	119.05	4	SLE Q	-234649.00	-30098.20	8882.34	0.00	78.54	35.31	506.11
135	119.05	4	SLE Q	-230475.00	-30098.20	8882.34	0.00	78.54	34.97	501.02
136	178.57	4	SLE Q	-231376.00	-29187.70	8613.62	0.00	78.54	34.55	495.46
137	178.57	4	SLE Q	-225046.00	-29187.70	8613.62	0.00	78.54	34.04	487.74
138	238.09	4	SLE Q	-227631.00	-27457.90	8103.15	0.00	78.54	33.32	478.25
139	238.09	4	SLE Q	-219640.00	-27457.90	8103.15	0.00	78.54	32.67	468.50
140	297.62	4	SLE Q	-223416.00	-25176.30	7429.81	0.00	78.54	31.74	456.43
141	297.62	4	SLE Q	-214262.00	-25176.30	7429.81	0.00	78.54	31.00	445.27
142	357.14	4	SLE Q	-218730.00	-22562.90	6658.58	0.00	78.54	29.95	431.62
143	357.14	4	SLE Q	-208910.00	-22562.90	6658.58	0.00	78.54	29.15	419.64
144	416.67	4	SLE Q	-213574.00	-19794.70	5841.65	0.00	78.54	28.04	405.09
145	416.67	4	SLE Q	-203586.00	-19794.70	5841.65	0.00	78.54	27.23	392.92
146	476.19	4	SLE Q	-208012.00	-17009.80	5019.79	0.00	78.54	26.08	377.95
147	476.19	4	SLE Q	-198287.00	-17009.80	5019.79	0.00	78.54	25.29	366.10
148	535.71	4	SLE Q	-202476.00	-14312.30	4223.73	0.00	78.54	24.18	351.49
149	535.71	4	SLE Q	-193013.00	-14312.30	4223.73	0.00	78.54	23.41	339.95
150	595.24	4	SLE Q	-196966.00	-11777.20	3475.58	0.00	78.54	22.36	326.24
151	595.24	4	SLE Q	-187764.00	-11777.20	3475.58	0.00	78.54	21.62	315.02
152	654.76	4	SLE Q	-191480.00	-9454.63	2790.17	0.00	78.54	20.66	302.57
153	654.76	4	SLE Q	-182539.00	-9454.63	2790.17	0.00	78.54	19.94	291.67
154	714.29	4	SLE Q	-186020.00	-7374.79	2176.39	0.00	78.54	19.10	280.71
155	714.29	4	SLE Q	-177336.00	-7374.79	2176.39	0.00	78.54	18.39	270.12
156	773.81	4	SLE Q	-180582.00	-5551.50	1638.31	0.00	78.54	17.67	260.75
157	773.81	4	SLE Q	-172157.00	-5551.50	1638.31	0.00	78.54	16.99	250.48
158	833.33	4	SLE Q	-175168.00	-3985.91	1176.29	0.00	78.54	16.39	242.71
159	833.33	4	SLE Q	-166999.00	-3985.91	1176.29	0.00	78.54	15.72	232.75
160	892.86	4	SLE Q	-169776.00	-2669.66	787.85	0.00	78.54	15.24	226.51
161	892.86	4	SLE Q	-161862.00	-2669.66	787.85	0.00	78.54	14.60	216.86
162	952.38	4	SLE Q	-164406.00	-1587.53	468.50	0.00	78.54	14.22	212.06
163	952.38	4	SLE Q	-156746.00	-1587.53	468.50	0.00	78.54	13.60	202.72
164	1011.90	4	SLE Q	-159056.00	-719.71	212.40	0.00	78.54	13.32	199.19
165	1011.90	4	SLE Q	-151650.00	-719.71	212.40	0.00	78.54	12.71	190.16
166	1071.43	4	SLE Q	-153726.00	-43.69	12.89	0.00	78.54	12.52	187.75
167	1071.43	4	SLE Q	-146573.00	-43.69	12.89	0.00	78.54	11.94	179.03
168	1130.95	4	SLE Q	-148417.00	464.30	-137.02	0.00	78.54	12.31	184.36
169	1130.95	4	SLE Q	-141515.00	464.30	-137.02	0.00	78.54	11.75	175.95
170	1190.48	4	SLE Q	-143126.00	828.10	-244.38	0.00	78.54	12.08	180.58
171	1190.48	4	SLE Q	-136475.00	828.10	-244.38	0.00	78.54	11.54	172.47
172	1250.00	4	SLE Q	-137853.00	1070.73	-315.99	0.00	78.54	11.78	175.93
173	1250.00	4	SLE Q	-131452.00	1070.73	-315.99	0.00	78.54	11.26	168.13
174	1309.52	4	SLE Q	-132597.00	1213.82	-358.21	0.00	78.54	11.43	170.57
175	1309.52	4	SLE Q	-126445.00	1213.82	-358.21	0.00	78.54	10.93	163.07
176	1369.05	4	SLE Q	-127359.00	1277.12	-376.89	0.00	78.54	11.04	164.65
177	1369.05	4	SLE Q	-121455.00	1277.12	-376.89	0.00	78.54	10.56	157.45
178	1428.57	4	SLE Q	-122136.00	1278.32	-377.25	0.00	78.54	10.62	158.29
179	1428.57	4	SLE Q	-116480.00	1278.32	-377.25	0.00	78.54	10.16	151.39
180	1488.10	4	SLE Q	-116929.00	1232.90	-363.84	0.00	78.54	10.17	151.61

181	1488.10	4	SLE Q	-111520.00	1232.90	-363.84	0.00	78.54	9.73	145.01
182	1547.62	4	SLE Q	-111737.00	1154.15	-340.60	0.00	78.54	9.70	144.70
183	1547.62	4	SLE Q	-106574.00	1154.15	-340.60	0.00	78.54	9.29	138.41
184	1607.14	4	SLE Q	-106559.00	1053.24	-310.82	0.00	78.54	9.23	137.65
185	1607.14	4	SLE Q	-101642.00	1053.24	-310.82	0.00	78.54	8.83	131.65
186	1666.67	4	SLE Q	-101395.00	939.34	-277.21	0.00	78.54	8.75	130.51
187	1666.67	4	SLE Q	-96722.60	939.34	-277.21	0.00	78.54	8.37	124.82
188	1726.19	4	SLE Q	-96243.70	819.83	-241.94	0.00	78.54	8.27	123.36
189	1726.19	4	SLE Q	-91815.40	819.83	-241.94	0.00	78.54	7.91	117.96
190	1785.71	4	SLE Q	-91104.40	700.45	-206.71	0.00	78.54	7.78	116.22
191	1785.71	4	SLE Q	-86919.90	700.45	-206.71	0.00	78.54	7.44	111.11
192	1845.24	4	SLE Q	-85976.80	585.56	-172.81	0.00	78.54	7.30	109.12
193	1845.24	4	SLE Q	-82035.40	585.56	-172.81	0.00	78.54	6.98	104.32
194	1904.76	4	SLE Q	-80860.00	478.28	-141.15	0.00	78.54	6.83	102.10
195	1904.76	4	SLE Q	-77161.40	478.28	-141.15	0.00	78.54	6.53	97.59
196	1964.29	4	SLE Q	-75753.50	380.76	-112.37	0.00	78.54	6.36	95.15
197	1964.29	4	SLE Q	-72297.10	380.76	-112.37	0.00	78.54	6.08	90.94
198	2023.81	4	SLE Q	-70656.60	294.29	-86.85	0.00	78.54	5.90	88.31
199	2023.81	4	SLE Q	-67442.10	294.29	-86.85	0.00	78.54	5.64	84.39
200	2083.33	4	SLE Q	-65568.80	219.52	-64.78	0.00	78.54	5.45	81.55
201	2083.33	4	SLE Q	-62595.50	219.52	-64.78	0.00	78.54	5.21	77.93
202	2142.86	4	SLE Q	-60489.20	156.60	-46.22	0.00	78.54	5.00	74.90
203	2142.86	4	SLE Q	-57757.00	156.60	-46.22	0.00	78.54	4.78	71.57
204	2202.38	4	SLE Q	-55417.30	105.29	-31.07	0.00	78.54	4.56	68.34
205	2202.38	4	SLE Q	-52925.70	105.29	-31.07	0.00	78.54	4.36	65.30
206	2261.90	4	SLE Q	-50352.40	65.08	-19.21	0.00	78.54	4.13	61.87
207	2261.90	4	SLE Q	-48101.20	65.08	-19.21	0.00	78.54	3.94	59.12
208	2321.43	4	SLE Q	-45294.00	35.28	-10.41	0.00	78.54	3.70	55.48
209	2321.43	4	SLE Q	-43282.80	35.28	-10.41	0.00	78.54	3.54	53.03
210	2380.95	4	SLE Q	-40241.20	15.08	-4.45	0.00	78.54	3.28	49.17
211	2380.95	4	SLE Q	-38469.90	15.08	-4.45	0.00	78.54	3.14	47.01
212	2440.48	4	SLE Q	-35193.60	3.62	-1.07	0.00	78.54	2.86	42.94
213	2440.48	4	SLE Q	-33661.90	3.62	-1.07	0.00	78.54	2.74	41.07
214	2500.00	4	SLE Q	-30150.50	0.00	0.00	0.00	78.54	2.45	36.76
215	2500.00	4	SLE Q	-28858.10	0.00	0.00	0.00	78.54	2.35	35.19

Verifiche principali

Caso	Tipo
3	SLU N cost - min. sic.
8	SLU Taglio - min. sic. c.a.,SLU Taglio - min. sic. acciaio
46	C.Rare - Sc min (max compr.),C.Rare - Sf min (max compr.)
129	C.Rare - Sc max (min. compr.),C.Rare - Sf max (max traz.)
132	C.Q.Per. - Sc min (max compr.),C.Q.Per. - Sf min (max compr.)
215	C.Q.Per. - Sc max (min. compr.),C.Q.Per. - Sf max (max traz.)

Palo n. 7

Caratteristiche del palo e dei materiali utilizzati

R <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
60.00	6.00	C30/37	307.10	20.59	174.02	13.73	B450C	4300.00	3913.04

Le sollecitazioni nei pali vengono calcolate oltre che per l'effetto delle reazioni vincolari anche considerando i seguenti effetti

Azioni ed effetti comuni

Az	N <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
PP	0.00	0.00	0.00	
SVR	0.00			

Azioni ed effetti - Plinto/Palo n. 7 (-110)

Caso	CC	TCC	Az	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	RVN	242013.00	6653.73	928.78	40690.60	35584.60
	1	SLU	TAG				0.00	0.00
	1	SLU	ECC				0.00	0.00
	1	SLU	TOT	242013.00	6653.73	928.78	40690.60	35584.60
2	2	SLE R	RVN	179269.00	4928.69	687.99	30141.20	26358.90
	2	SLE R	TAG				0.00	0.00
	2	SLE R	ECC				0.00	0.00
	2	SLE R	TOT	179269.00	4928.69	687.99	30141.20	26358.90
3	3	SLE F	RVN	179269.00	4928.69	687.99	30141.20	26358.90
	3	SLE F	TAG				0.00	0.00
	3	SLE F	ECC				0.00	0.00
	3	SLE F	TOT	179269.00	4928.69	687.99	30141.20	26358.90
4	4	SLE Q	RVN	179269.00	4928.69	687.99	30141.20	26358.90

	4	SLE Q	TAG				0.00	0.00
	4	SLE Q	ECC				0.00	0.00
	4	SLE Q	TOT	179269.00	4928.69	687.99	30141.20	26358.90

Sollecitazioni nei pali

Caso	CC	TCC	Palo	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	1	-242013.00	-6653.73	-928.78	-40690.60	-35584.60
2	2	SLE R	1	-179269.00	-4928.69	-687.99	-30141.20	-26358.90
3	3	SLE F	1	-179269.00	-4928.69	-687.99	-30141.20	-26358.90
4	4	SLE Q	1	-179269.00	-4928.69	-687.99	-30141.20	-26358.90

Da 0 a -25

Stato limite ultimo - Verifiche a flessione/pressoflessione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	Rott.	α <grad>	Sic.
1	0.00	1	SLU	-242013.00	40270.20	-35216.90	-242013.00	178636.00	-156938.00	2-3	221.25	4.445
2	0.00	1	SLU	-242013.00	40270.20	-35216.90	-242013.00	178636.00	-156938.00	2-3	221.25	4.445
3	59.52	1	SLU	-241688.00	42109.90	-36825.80	-241688.00	178557.00	-156871.00	2-3	221.25	4.249
4	59.52	1	SLU	-240140.00	42109.90	-36825.80	-240140.00	178178.00	-156552.00	2-3	221.25	4.240
5	119.05	1	SLU	-238885.00	41977.70	-36710.10	-238885.00	177870.00	-156294.00	2-3	221.25	4.246
6	119.05	1	SLU	-234711.00	41977.70	-36710.10	-234711.00	176846.00	-155432.00	2-3	221.25	4.222
7	178.57	1	SLU	-235612.00	40372.30	-35306.20	-235612.00	177068.00	-155619.00	2-3	221.25	4.395
8	178.57	1	SLU	-229282.00	40372.30	-35306.20	-229282.00	175505.00	-154305.00	2-3	221.25	4.357
9	238.09	1	SLU	-231867.00	37720.50	-32987.10	-231867.00	176144.00	-154842.00	2-3	221.25	4.680
10	238.09	1	SLU	-223854.00	37720.50	-32987.10	-223854.00	174161.00	-153174.00	2-3	221.25	4.629
11	297.62	1	SLU	-227652.00	34379.60	-30065.40	-227652.00	175102.00	-153966.00	2-3	221.25	5.105
12	297.62	1	SLU	-218425.00	34379.60	-30065.40	-218425.00	172809.00	-152037.00	2-3	221.25	5.040
13	357.14	1	SLU	-222967.00	30642.10	-26796.90	-222967.00	173940.00	-152988.00	2-3	221.25	5.691
14	357.14	1	SLU	-212997.00	30642.10	-26796.90	-212997.00	171453.00	-150897.00	2-3	221.25	5.611
15	416.67	1	SLU	-217810.00	26741.50	-23385.80	-217810.00	172655.00	-151908.00	2-3	221.25	6.474
16	416.67	1	SLU	-207569.00	26741.50	-23385.80	-207569.00	170090.00	-149751.00	2-3	221.25	6.379
17	476.19	1	SLU	-212183.00	22858.70	-19990.30	-212183.00	171249.00	-150726.00	2-3	221.25	7.513
18	476.19	1	SLU	-202163.00	22858.70	-19990.30	-202163.00	168764.00	-148519.00	2-3	221.25	7.403
19	535.71	1	SLU	-206532.00	19128.50	-16728.20	-206532.00	169830.00	-149532.00	2-3	221.25	8.905
20	535.71	1	SLU	-196782.00	19128.50	-16728.20	-196782.00	167471.00	-147208.00	2-3	221.25	8.775
21	595.24	1	SLU	-200908.00	15646.60	-13683.20	-200908.00	168463.00	-148213.00	2-3	221.25	10.795
22	595.24	1	SLU	-191427.00	15646.60	-13683.20	-191427.00	166180.00	-145894.00	2-3	221.25	10.639
23	654.76	1	SLU	-195309.00	12475.70	-10910.20	-2571250.00	167117.00	-146849.00	2-3	221.25	13.165
24	654.76	1	SLU	-186096.00	12475.70	-10910.20	-186096.00	164891.00	-144580.00	2-3	221.25	13.232
25	714.29	1	SLU	-189734.00	9651.70	-8440.55	-2571250.00	165771.00	-145477.00	2-3	221.25	13.552
26	714.29	1	SLU	-180788.00	9651.70	-8440.55	-2571250.00	163603.00	-143261.00	2-3	221.25	14.222
27	773.81	1	SLU	-184184.00	7189.01	-6286.89	-2571250.00	164427.00	-144107.00	2-3	221.25	13.960
28	773.81	1	SLU	-175503.00	7189.01	-6286.89	-2571250.00	162316.00	-141945.00	2-3	221.25	14.651
29	833.33	1	SLU	-178658.00	5085.50	-4447.35	-2571250.00	163084.00	-142730.00	2-3	221.25	14.392
30	833.33	1	SLU	-170241.00	5085.50	-4447.35	-2571250.00	161032.00	-140620.00	2-3	221.25	15.104
31	892.86	1	SLU	-173153.00	3326.70	-2909.25	-2571250.00	161743.00	-141353.00	2-3	221.25	14.850
32	892.86	1	SLU	-165000.00	3326.70	-2909.25	-2571250.00	159704.00	-139326.00	2-3	221.25	15.583
33	952.38	1	SLU	-167671.00	1889.37	-1652.28	-2571250.00	160403.00	-139973.00	2-3	221.25	15.335
34	952.38	1	SLU	-159781.00	1889.37	-1652.28	-2571250.00	158259.00	-138090.00	2-3	221.25	16.092
35	1011.90	1	SLU	-162210.00	744.59	-651.15	-2571250.00	158932.00	-138665.00	2-3	221.25	15.851
36	1011.90	1	SLU	-154581.00	744.59	-651.15	-2571250.00	156810.00	-136858.00	2-3	221.25	16.634
37	1071.43	1	SLU	-156770.00	-139.84	122.30	-2571250.00	-156652.00	137815.00	2-3	41.25	16.401
38	1071.43	1	SLU	-149401.00	-139.84	122.30	-2571250.00	-154633.00	136107.00	2-3	41.25	17.210
39	1130.95	1	SLU	-151350.00	-797.37	697.31	-2571250.00	-155167.00	136559.00	2-3	41.25	16.989
40	1130.95	1	SLU	-144240.00	-797.37	697.31	-2571250.00	-153213.00	134907.00	2-3	41.25	17.826
41	1190.48	1	SLU	-145949.00	-1261.21	1102.95	-2571250.00	-153685.00	135305.00	2-3	41.25	17.617
42	1190.48	1	SLU	-139098.00	-1261.21	1102.95	-2571250.00	-151793.00	133706.00	2-3	41.25	18.485
43	1250.00	1	SLU	-140566.00	-1563.20	1367.04	-2571250.00	-152199.00	134049.00	2-3	41.25	18.292
44	1250.00	1	SLU	-133973.00	-1563.20	1367.04	-2571250.00	-150374.00	132505.00	2-3	41.25	19.192
45	1309.52	1	SLU	-135201.00	-1733.02	1515.55	-2571250.00	-150715.00	132794.00	2-3	41.25	19.018
46	1309.52	1	SLU	-128865.00	-1733.02	1515.55	-2571250.00	-148953.00	131305.00	2-3	41.25	19.953
47	1369.05	1	SLU	-129854.00	-1797.66	1572.08	-2571250.00	-149228.00	131537.00	2-3	41.25	19.801
48	1369.05	1	SLU	-123774.00	-1797.66	1572.08	-2571250.00	-147533.00	130104.00	2-3	41.25	20.774
49	1428.57	1	SLU	-124523.00	-1781.10	1557.60	-2571250.00	-147743.00	130281.00	2-3	41.25	20.649
50	1428.57	1	SLU	-118698.00	-1781.10	1557.60	-2571250.00	-146157.00	128804.00	2-3	41.25	21.662
51	1488.10	1	SLU	-119207.00	-1704.28	1490.42	-2571250.00	-146292.00	128942.00	2-3	41.25	21.570
52	1488.10	1	SLU	-113637.00	-1704.28	1490.42	-2571250.00	-144814.00	127429.00	2-3	41.25	22.627
53	1547.62	1	SLU	-113907.00	-1585.03	1386.13	-2571250.00	-144886.00	127503.00	2-3	41.25	22.573
54	1547.62	1	SLU	-108591.00	-1585.03	1386.13	-2571250.00	-143472.00	126051.00	2-3	41.25	23.678
55	1607.14	1	SLU	-108622.00	-1438.28	1257.80	-2571250.00	-143480.00	126060.00	2-3	41.25	23.672
56	1607.14	1	SLU	-103558.00	-1438.28	1257.80	-2571250.00	-142129.00	124669.00	2-3	41.25	24.829
57	1666.67	1	SLU	-103350.00	-1276.23	1116.08	-2571250.00	-142074.00	124612.00	2-3	41.25	24.879
58	1666.67	1	SLU	-98538.60	-1276.23	1116.08	-2571250.00	-140787.00	123285.00	2-3	41.25	26.094

59	1726.19	1	SLU	-98090.80	-1108.58	969.47	-2571250.00	-140667.00	123162.00	2-3	41.25	26.213
60	1726.19	1	SLU	-93531.80	-1108.58	969.47	-2571250.00	-139445.00	121896.00	2-3	41.25	27.491
61	1785.71	1	SLU	-92844.50	-942.88	824.56	-2571250.00	-139260.00	121705.00	2-3	41.25	27.694
62	1785.71	1	SLU	-88536.70	-942.88	824.56	-2571250.00	-138103.00	120506.00	2-3	41.25	29.042
63	1845.24	1	SLU	-87610.00	-784.73	686.25	-2571250.00	-137853.00	120248.00	2-3	41.25	29.349
64	1845.24	1	SLU	-83553.00	-784.73	686.25	-2571250.00	-136683.00	119156.00	2-3	41.25	30.774
65	1904.76	1	SLU	-82386.50	-638.12	558.05	-2571250.00	-136329.00	118853.00	2-3	41.25	31.210
66	1904.76	1	SLU	-78579.80	-638.12	558.05	-2571250.00	-135172.00	117862.00	2-3	41.25	32.721
67	1964.29	1	SLU	-77173.60	-505.72	442.26	-2571250.00	-134742.00	117495.00	2-3	41.25	33.318
68	1964.29	1	SLU	-73616.60	-505.72	442.26	-2571250.00	-133652.00	116563.00	2-3	41.25	34.928
69	2023.81	1	SLU	-71970.40	-389.05	340.23	-2571250.00	-133148.00	116132.00	2-3	41.25	35.726
70	2023.81	1	SLU	-68662.80	-389.05	340.23	-2571250.00	-132132.00	115264.00	2-3	41.25	37.447
71	2083.33	1	SLU	-66776.40	-288.80	252.56	-2571250.00	-131549.00	114767.00	2-3	41.25	38.505
72	2083.33	1	SLU	-63717.70	-288.80	252.56	-2571250.00	-130604.00	113961.00	2-3	41.25	40.354
73	2142.86	1	SLU	-61590.90	-204.97	179.25	-2571250.00	-129947.00	113400.00	2-3	41.25	41.747
74	2142.86	1	SLU	-58780.60	-204.97	179.25	-2571250.00	-129074.00	112657.00	2-3	41.25	43.743
75	2202.38	1	SLU	-56413.10	-137.05	119.86	-2571250.00	-128337.00	112029.00	2-3	41.25	45.579
76	2202.38	1	SLU	-53851.00	-137.05	119.86	-2571250.00	-127539.00	111350.00	2-3	41.25	47.747
77	2261.90	1	SLU	-51242.60	-84.22	73.65	-2571250.00	-126725.00	110657.00	2-3	41.25	50.178
78	2261.90	1	SLU	-48928.30	-84.22	73.65	-2571250.00	-125999.00	110041.00	2-3	41.25	52.551
79	2321.43	1	SLU	-46078.50	-45.36	39.67	-2571250.00	-125104.00	109281.00	2-3	41.25	55.801
80	2321.43	1	SLU	-44011.80	-45.36	39.67	-2571250.00	-124455.00	108730.00	2-3	41.25	58.422
81	2380.95	1	SLU	-40920.30	-19.26	16.84	-2571250.00	-123480.00	107903.00	2-3	41.25	62.836
82	2380.95	1	SLU	-39100.90	-19.26	16.84	-2571250.00	-122904.00	107416.00	2-3	41.25	65.759
83	2440.48	1	SLU	-35767.30	-4.59	4.01	-2571250.00	-121849.00	106522.00	2-3	41.25	71.888
84	2440.48	1	SLU	-34194.90	-4.59	4.01	-2571250.00	-121351.00	106101.00	2-3	41.25	75.194
85	2500.00	1	SLU	-30618.80	0.00	0.00	-2571250.00					83.976
86	2500.00	1	SLU	-29293.30	0.00	0.00	-2571250.00					87.776

Stato limite ultimo - Verifiche a taglio

Caso	X <cm>	CC	TCC	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1	0.00	1	SLU	6653.73	928.78	0.85	11.31	6718.24	1.00	32294.70	366334.00	32294.70	4.807
2	0.00	1	SLU	6653.73	928.78	0.85	11.31	6718.24	1.00	32294.70	366334.00	32294.70	4.807
3	59.52	1	SLU	1689.96	235.90	0.85	11.31	1706.35	1.00	32294.70	366287.00	32294.70	18.926
4	59.52	1	SLU	1689.96	235.90	0.85	11.31	1706.35	1.00	32294.70	366066.00	32294.70	18.926
5	119.05	1	SLU	-2090.76	-291.85	0.85	11.31	2111.03	1.00	32294.70	365886.00	32294.70	15.298
6	119.05	1	SLU	-2090.76	-291.85	0.85	11.31	2111.03	1.00	32294.70	365288.00	32294.70	15.298
7	178.57	1	SLU	-4849.19	-676.89	0.85	11.31	4896.20	1.00	32294.70	365417.00	32294.70	6.596
8	178.57	1	SLU	-4849.19	-676.89	0.85	11.31	4896.20	1.00	32294.70	364510.00	32294.70	6.596
9	238.09	1	SLU	-6742.48	-941.17	0.85	11.31	6807.85	1.00	32294.70	364881.00	32294.70	4.744
10	238.09	1	SLU	-6742.48	-941.17	0.85	11.31	6807.85	1.00	32294.70	363733.00	32294.70	4.744
11	297.62	1	SLU	-7919.45	-1105.46	0.85	11.31	7996.23	1.00	32294.70	364277.00	32294.70	4.039
12	297.62	1	SLU	-7919.45	-1105.46	0.85	11.31	7996.23	1.00	32294.70	362955.00	32294.70	4.039
13	357.14	1	SLU	-8517.34	-1188.92	0.85	11.31	8599.92	1.00	32294.70	363606.00	32294.70	3.755
14	357.14	1	SLU	-8517.34	-1188.92	0.85	11.31	8599.92	1.00	32294.70	362178.00	32294.70	3.755
15	416.67	1	SLU	-8659.79	-1208.81	0.85	11.31	8743.75	1.00	32294.70	362867.00	32294.70	3.693
16	416.67	1	SLU	-8659.79	-1208.81	0.85	11.31	8743.75	1.00	32294.70	361400.00	32294.70	3.693
17	476.19	1	SLU	-8455.79	-1180.33	0.85	11.31	8537.77	1.00	32294.70	362061.00	32294.70	3.783
18	476.19	1	SLU	-8455.79	-1180.33	0.85	11.31	8537.77	1.00	32294.70	360626.00	32294.70	3.783
19	535.71	1	SLU	-7999.46	-1116.63	0.85	11.31	8077.01	1.00	32294.70	361252.00	32294.70	3.998
20	535.71	1	SLU	-7999.46	-1116.63	0.85	11.31	8077.01	1.00	32294.70	359855.00	32294.70	3.998
21	595.24	1	SLU	-7370.39	-1028.82	0.85	11.31	7441.85	1.00	32294.70	360446.00	32294.70	4.340
22	595.24	1	SLU	-7370.39	-1028.82	0.85	11.31	7441.85	1.00	32294.70	359088.00	32294.70	4.340
23	654.76	1	SLU	-6634.43	-926.09	0.85	11.31	6698.75	1.00	32294.70	359644.00	32294.70	4.821
24	654.76	1	SLU	-6634.43	-926.09	0.85	11.31	6698.75	1.00	32294.70	358324.00	32294.70	4.821
25	714.29	1	SLU	-5844.76	-815.86	0.85	11.31	5901.43	1.00	32294.70	358846.00	32294.70	5.472
26	714.29	1	SLU	-5844.76	-815.86	0.85	11.31	5901.43	1.00	32294.70	357564.00	32294.70	5.472
27	773.81	1	SLU	-5043.17	-703.97	0.85	11.31	5092.06	1.00	32294.70	358051.00	32294.70	6.342
28	773.81	1	SLU	-5043.17	-703.97	0.85	11.31	5092.06	1.00	32294.70	356807.00	32294.70	6.342
29	833.33	1	SLU	-4261.40	-594.84	0.85	11.31	4302.72	1.00	32294.70	357259.00	32294.70	7.506
30	833.33	1	SLU	-4261.40	-594.84	0.85	11.31	4302.72	1.00	32294.70	356053.00	32294.70	7.506
31	892.86	1	SLU	-3522.53	-491.70	0.85	11.31	3556.68	1.00	32294.70	356470.00	32294.70	9.080
32	892.86	1	SLU	-3522.53	-491.70	0.85	11.31	3556.68	1.00	32294.70	355303.00	32294.70	9.080
33	952.38	1	SLU	-2842.31	-396.75	0.85	11.31	2869.87	1.00	32294.70	355685.00	32294.70	11.253
34	952.38	1	SLU	-2842.31	-396.75	0.85	11.31	2869.87	1.00	32294.70	354555.00	32294.70	11.253
35	1011.90	1	SLU	-2230.46	-311.35	0.85	11.31	2252.08	1.00	32294.70	354903.00	32294.70	14.340
36	1011.90	1	SLU	-2230.46	-311.35	0.85	11.31	2252.08	1.00	32294.70	353810.00	32294.70	14.340
37	1071.43	1	SLU	-1691.78	-236.15	0.85	11.31	1708.18	1.00	32294.70	354124.00	32294.70	18.906
38	1071.43	1	SLU	-1691.78	-236.15	0.85	11.31	1708.18	1.00	32294.70	353068.00	32294.70	18.906
39	1130.95	1	SLU	-1227.27	-171.31	0.85	11.31	1239.17	1.00	32294.70	353347.00	32294.70	26.062
40	1130.95	1	SLU	-1227.27	-171.31	0.85	11.31	1239.17	1.00	32294.70	352329.00	32294.70	26.062
41	1190.48	1	SLU	-835.01	-116.56	0.85	11.31	843.11	1.00	32294.70	352574.00	32294.70	38.304
42	1190.48	1	SLU	-835.01	-116.56	0.85	11.31	843.11	1.00	32294.70	351592.00	32294.70	38.304
43	1250.00	1	SLU	-510.98	-71.33	0.85	11.31	515.93	1.00	32294.70	351803.00	32294.70	62.595
44	1250.00	1	SLU	-510.98	-71.33	0.85	11.31	515.93	1.00	32294.70	350858.00	32294.70	62.595
45	1309.52	1	SLU	-249.71	-34.86	0.85	11.31	252.13	1.00	32294.70	351034.00	32294.70	>100

46	1309.52	1	SLU	-249.71	-34.86	0.85	11.31	252.13	1.00	32294.70	350127.00	32294.70	>100
47	1369.05	1	SLU	-44.86	-6.26	0.85	11.31	45.30	1.00	32294.70	350268.00	32294.70	>100
48	1369.05	1	SLU	-44.86	-6.26	0.85	11.31	45.30	1.00	32294.70	349397.00	32294.70	>100
49	1428.57	1	SLU	110.33	15.40	0.85	11.31	111.40	1.00	32294.70	349505.00	32294.70	>100
50	1428.57	1	SLU	110.33	15.40	0.85	11.31	111.40	1.00	32294.70	348670.00	32294.70	>100
51	1488.10	1	SLU	222.72	31.09	0.85	11.31	224.88	1.00	32294.70	348743.00	32294.70	>100
52	1488.10	1	SLU	222.72	31.09	0.85	11.31	224.88	1.00	32294.70	347945.00	32294.70	>100
53	1547.62	1	SLU	298.95	41.73	0.85	11.31	301.85	1.00	32294.70	347984.00	32294.70	>100
54	1547.62	1	SLU	298.95	41.73	0.85	11.31	301.85	1.00	32294.70	347223.00	32294.70	>100
55	1607.14	1	SLU	345.31	48.20	0.85	11.31	348.65	1.00	32294.70	347227.00	32294.70	92.627
56	1607.14	1	SLU	345.31	48.20	0.85	11.31	348.65	1.00	32294.70	346502.00	32294.70	92.627
57	1666.67	1	SLU	367.54	51.30	0.85	11.31	371.10	1.00	32294.70	346472.00	32294.70	87.024
58	1666.67	1	SLU	367.54	51.30	0.85	11.31	371.10	1.00	32294.70	345783.00	32294.70	87.024
59	1726.19	1	SLU	370.82	51.76	0.85	11.31	374.41	1.00	32294.70	345719.00	32294.70	86.255
60	1726.19	1	SLU	370.82	51.76	0.85	11.31	374.41	1.00	32294.70	345066.00	32294.70	86.255
61	1785.71	1	SLU	359.68	50.21	0.85	11.31	363.16	1.00	32294.70	344967.00	32294.70	88.926
62	1785.71	1	SLU	359.68	50.21	0.85	11.31	363.16	1.00	32294.70	344350.00	32294.70	88.926
63	1845.24	1	SLU	338.01	47.18	0.85	11.31	341.29	1.00	32294.70	344217.00	32294.70	94.625
64	1845.24	1	SLU	338.01	47.18	0.85	11.31	341.29	1.00	32294.70	343636.00	32294.70	94.625
65	1904.76	1	SLU	309.11	43.15	0.85	11.31	312.11	1.00	32294.70	343469.00	32294.70	>100
66	1904.76	1	SLU	309.11	43.15	0.85	11.31	312.11	1.00	32294.70	342924.00	32294.70	>100
67	1964.29	1	SLU	275.67	38.48	0.85	11.31	278.34	1.00	32294.70	342722.00	32294.70	>100
68	1964.29	1	SLU	275.67	38.48	0.85	11.31	278.34	1.00	32294.70	342213.00	32294.70	>100
69	2023.81	1	SLU	239.85	33.48	0.85	11.31	242.17	1.00	32294.70	341977.00	32294.70	>100
70	2023.81	1	SLU	239.85	33.48	0.85	11.31	242.17	1.00	32294.70	341503.00	32294.70	>100
71	2083.33	1	SLU	203.35	28.39	0.85	11.31	205.32	1.00	32294.70	341233.00	32294.70	>100
72	2083.33	1	SLU	203.35	28.39	0.85	11.31	205.32	1.00	32294.70	340795.00	32294.70	>100
73	2142.86	1	SLU	167.45	23.37	0.85	11.31	169.07	1.00	32294.70	340490.00	32294.70	>100
74	2142.86	1	SLU	167.45	23.37	0.85	11.31	169.07	1.00	32294.70	340088.00	32294.70	>100
75	2202.38	1	SLU	133.09	18.58	0.85	11.31	134.38	1.00	32294.70	339749.00	32294.70	>100
76	2202.38	1	SLU	133.09	18.58	0.85	11.31	134.38	1.00	32294.70	339382.00	32294.70	>100
77	2261.90	1	SLU	100.90	14.09	0.85	11.31	101.88	1.00	32294.70	339008.00	32294.70	>100
78	2261.90	1	SLU	100.90	14.09	0.85	11.31	101.88	1.00	32294.70	338677.00	32294.70	>100
79	2321.43	1	SLU	71.32	9.96	0.85	11.31	72.01	1.00	32294.70	338268.00	32294.70	>100
80	2321.43	1	SLU	71.32	9.96	0.85	11.31	72.01	1.00	32294.70	337972.00	32294.70	>100
81	2380.95	1	SLU	44.57	6.22	0.85	11.31	45.00	1.00	32294.70	337529.00	32294.70	>100
82	2380.95	1	SLU	44.57	6.22	0.85	11.31	45.00	1.00	32294.70	337269.00	32294.70	>100
83	2440.48	1	SLU	20.78	2.90	0.85	11.31	20.98	1.00	32294.70	336791.00	32294.70	>100
84	2440.48	1	SLU	20.78	2.90	0.85	11.31	20.98	1.00	32294.70	336566.00	32294.70	>100

Verifiche stato limite d'esercizio

Caso	X <cm>	CC	TCC	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ_c <daN/cmq>	σ_f <daN/cmq>
87	0.00	2	SLE R	-179269.00	-26086.60	29829.80	18.85	59.69	35.61	505.33
88	0.00	2	SLE R	-179269.00	-26086.60	29829.80	18.85	59.69	35.61	505.33
89	59.52	2	SLE R	-178944.00	-27278.30	31192.60	18.85	59.69	36.77	521.00
90	59.52	2	SLE R	-178057.00	-27278.30	31192.60	18.85	59.69	36.72	520.26
91	119.05	2	SLE R	-176141.00	-27192.70	31094.60	18.85	59.69	36.54	517.52
92	119.05	2	SLE R	-173972.00	-27192.70	31094.60	18.85	59.69	36.43	515.78
93	178.57	2	SLE R	-172868.00	-26152.70	29905.40	18.85	59.69	35.32	500.59
94	178.57	2	SLE R	-169909.00	-26152.70	29905.40	18.85	59.69	35.17	498.13
95	238.09	2	SLE R	-169123.00	-24434.90	27941.10	18.85	59.69	33.42	474.44
96	238.09	2	SLE R	-165867.00	-24434.90	27941.10	18.85	59.69	33.23	471.49
97	297.62	2	SLE R	-165026.00	-22270.70	25466.30	15.71	62.83	31.14	442.96
98	297.62	2	SLE R	-161847.00	-22270.70	25466.30	15.71	62.83	30.93	439.78
99	357.14	2	SLE R	-160950.00	-19849.60	22697.80	12.57	65.97	28.72	409.61
100	357.14	2	SLE R	-157847.00	-19849.60	22697.80	12.57	65.97	28.49	406.18
101	416.67	2	SLE R	-156894.00	-17322.80	19808.50	0.00	78.54	26.32	376.54
102	416.67	2	SLE R	-153867.00	-17322.80	19808.50	0.00	78.54	26.08	372.93
103	476.19	2	SLE R	-152859.00	-14807.60	16932.40	0.00	78.54	24.02	344.65
104	476.19	2	SLE R	-149907.00	-14807.60	16932.40	0.00	78.54	23.78	341.06
105	535.71	2	SLE R	-148842.00	-12391.20	14169.30	0.00	78.54	21.80	313.93
106	535.71	2	SLE R	-145966.00	-12391.20	14169.30	0.00	78.54	21.57	310.42
107	595.24	2	SLE R	-144845.00	-10135.70	11590.10	0.00	78.54	19.71	284.94
108	595.24	2	SLE R	-142044.00	-10135.70	11590.10	0.00	78.54	19.48	281.53
109	654.76	2	SLE R	-140866.00	-8081.62	9241.27	0.00	78.54	17.78	258.14
110	654.76	2	SLE R	-138139.00	-8081.62	9241.27	0.00	78.54	17.56	254.81
111	714.29	2	SLE R	-136905.00	-6252.26	7149.41	0.00	78.54	16.02	233.75
112	714.29	2	SLE R	-134252.00	-6252.26	7149.41	0.00	78.54	15.81	230.52
113	773.81	2	SLE R	-132961.00	-4656.96	5325.19	0.00	78.54	14.45	211.89
114	773.81	2	SLE R	-130382.00	-4656.96	5325.19	0.00	78.54	14.24	208.75
115	833.33	2	SLE R	-129034.00	-3294.33	3767.04	0.00	78.54	13.07	192.54
116	833.33	2	SLE R	-126528.00	-3294.33	3767.04	0.00	78.54	12.86	189.48
117	892.86	2	SLE R	-125123.00	-2155.00	2464.22	0.00	78.54	11.86	175.59
118	892.86	2	SLE R	-122691.00	-2155.00	2464.22	0.00	78.54	11.66	172.63
119	952.38	2	SLE R	-121229.00	-1223.91	1399.54	0.00	78.54	10.81	160.89
120	952.38	2	SLE R	-118869.00	-1223.91	1399.54	0.00	78.54	10.62	158.01

121	1011.90	2	SLE R	-117350.00	-482.33	551.54	0.00	78.54	9.92	148.23
122	1011.90	2	SLE R	-115062.00	-482.33	551.54	0.00	78.54	9.73	145.44
123	1071.43	2	SLE R	-113485.00	90.59	-103.59	0.00	78.54	9.30	139.33
124	1071.43	2	SLE R	-111270.00	90.59	-103.59	0.00	78.54	9.12	136.63
125	1130.95	2	SLE R	-109635.00	516.53	-590.64	0.00	78.54	9.32	139.17
126	1130.95	2	SLE R	-107492.00	516.53	-590.64	0.00	78.54	9.14	136.56
127	1190.48	2	SLE R	-105799.00	817.00	-934.23	0.00	78.54	9.24	137.69
128	1190.48	2	SLE R	-103728.00	817.00	-934.23	0.00	78.54	9.07	135.16
129	1250.00	2	SLE R	-101977.00	1012.63	-1157.93	0.00	78.54	9.08	135.11
130	1250.00	2	SLE R	-99976.90	1012.63	-1157.93	0.00	78.54	8.92	132.67
131	1309.52	2	SLE R	-98167.10	1122.63	-1283.72	0.00	78.54	8.86	131.64
132	1309.52	2	SLE R	-96238.40	1122.63	-1283.72	0.00	78.54	8.70	129.28
133	1369.05	2	SLE R	-94369.90	1164.50	-1331.60	0.00	78.54	8.58	127.45
134	1369.05	2	SLE R	-92512.20	1164.50	-1331.60	0.00	78.54	8.43	125.19
135	1428.57	2	SLE R	-90584.70	1153.78	-1319.34	0.00	78.54	8.27	122.72
136	1428.57	2	SLE R	-88797.60	1153.78	-1319.34	0.00	78.54	8.12	120.54
137	1488.10	2	SLE R	-86811.00	1104.01	-1262.43	0.00	78.54	7.92	117.59
138	1488.10	2	SLE R	-85094.40	1104.01	-1262.43	0.00	78.54	7.78	115.50
139	1547.62	2	SLE R	-83048.40	1026.77	-1174.10	0.00	78.54	7.55	112.18
140	1547.62	2	SLE R	-81402.00	1026.77	-1174.10	0.00	78.54	7.42	110.17
141	1607.14	2	SLE R	-79296.30	931.70	-1065.40	0.00	78.54	7.18	106.60
142	1607.14	2	SLE R	-77719.90	931.70	-1065.40	0.00	78.54	7.05	104.67
143	1666.67	2	SLE R	-75554.20	826.73	-945.35	0.00	78.54	6.79	100.92
144	1666.67	2	SLE R	-74047.70	826.73	-945.35	0.00	78.54	6.67	99.08
145	1726.19	2	SLE R	-71821.70	718.13	-821.17	0.00	78.54	6.40	95.21
146	1726.19	2	SLE R	-70384.80	718.13	-821.17	0.00	78.54	6.28	93.46
147	1785.71	2	SLE R	-68098.40	610.78	-698.43	0.00	78.54	6.01	89.53
148	1785.71	2	SLE R	-66730.90	610.78	-698.43	0.00	78.54	5.90	87.86
149	1845.24	2	SLE R	-64383.70	508.34	-581.28	0.00	78.54	5.63	83.91
150	1845.24	2	SLE R	-63085.50	508.34	-581.28	0.00	78.54	5.53	82.33
151	1904.76	2	SLE R	-60677.20	413.37	-472.69	0.00	78.54	5.26	78.38
152	1904.76	2	SLE R	-59448.10	413.37	-472.69	0.00	78.54	5.16	76.88
153	1964.29	2	SLE R	-56978.40	327.60	-374.61	0.00	78.54	4.89	72.96
154	1964.29	2	SLE R	-55818.20	327.60	-374.61	0.00	78.54	4.79	71.54
155	2023.81	2	SLE R	-53286.80	252.02	-288.19	0.00	78.54	4.53	67.65
156	2023.81	2	SLE R	-52195.50	252.02	-288.19	0.00	78.54	4.44	66.32
157	2083.33	2	SLE R	-49602.00	187.08	-213.93	0.00	78.54	4.18	62.47
158	2083.33	2	SLE R	-48579.30	187.08	-213.93	0.00	78.54	4.10	61.22
159	2142.86	2	SLE R	-45923.40	132.77	-151.83	0.00	78.54	3.84	57.40
160	2142.86	2	SLE R	-44969.30	132.77	-151.83	0.00	78.54	3.76	56.24
161	2202.38	2	SLE R	-42250.70	88.78	-101.52	0.00	78.54	3.50	52.46
162	2202.38	2	SLE R	-41365.00	88.78	-101.52	0.00	78.54	3.43	51.38
163	2261.90	2	SLE R	-38583.40	54.55	-62.38	0.00	78.54	3.18	47.62
164	2261.90	2	SLE R	-37766.00	54.55	-62.38	0.00	78.54	3.11	46.63
165	2321.43	2	SLE R	-34921.00	29.39	-33.60	0.00	78.54	2.86	42.89
166	2321.43	2	SLE R	-34171.80	29.39	-33.60	0.00	78.54	2.80	41.98
167	2380.95	2	SLE R	-31263.00	12.48	-14.27	0.00	78.54	2.55	38.25
168	2380.95	2	SLE R	-30581.90	12.48	-14.27	0.00	78.54	2.50	37.42
169	2440.48	2	SLE R	-27609.00	2.97	-3.40	0.00	78.54	2.25	33.69
170	2440.48	2	SLE R	-26995.90	2.97	-3.40	0.00	78.54	2.20	32.95
171	2500.00	2	SLE R	-23958.40	0.00	0.00	0.00	78.54	1.95	29.21
172	2500.00	2	SLE R	-23413.30	0.00	0.00	0.00	78.54	1.90	28.55
173	0.00	4	SLE Q	-179269.00	-26086.60	29829.80	18.85	59.69	35.61	505.33
174	0.00	4	SLE Q	-179269.00	-26086.60	29829.80	18.85	59.69	35.61	505.33
175	59.52	4	SLE Q	-178944.00	-27278.30	31192.60	18.85	59.69	36.77	521.00
176	59.52	4	SLE Q	-178057.00	-27278.30	31192.60	18.85	59.69	36.72	520.26
177	119.05	4	SLE Q	-176141.00	-27192.70	31094.60	18.85	59.69	36.54	517.52
178	119.05	4	SLE Q	-173972.00	-27192.70	31094.60	18.85	59.69	36.43	515.78
179	178.57	4	SLE Q	-172868.00	-26152.70	29905.40	18.85	59.69	35.32	500.59
180	178.57	4	SLE Q	-169909.00	-26152.70	29905.40	18.85	59.69	35.17	498.13
181	238.09	4	SLE Q	-169123.00	-24434.90	27941.10	18.85	59.69	33.42	474.44
182	238.09	4	SLE Q	-165867.00	-24434.90	27941.10	18.85	59.69	33.23	471.49
183	297.62	4	SLE Q	-165026.00	-22270.70	25466.30	15.71	62.83	31.14	442.96
184	297.62	4	SLE Q	-161847.00	-22270.70	25466.30	15.71	62.83	30.93	439.78
185	357.14	4	SLE Q	-160950.00	-19849.60	22697.80	12.57	65.97	28.72	409.61
186	357.14	4	SLE Q	-157847.00	-19849.60	22697.80	12.57	65.97	28.49	406.18
187	416.67	4	SLE Q	-156894.00	-17322.80	19808.50	0.00	78.54	26.32	376.54
188	416.67	4	SLE Q	-153867.00	-17322.80	19808.50	0.00	78.54	26.08	372.93
189	476.19	4	SLE Q	-152859.00	-14807.60	16932.40	0.00	78.54	24.02	344.65
190	476.19	4	SLE Q	-149907.00	-14807.60	16932.40	0.00	78.54	23.78	341.06
191	535.71	4	SLE Q	-148842.00	-12391.20	14169.30	0.00	78.54	21.80	313.93
192	535.71	4	SLE Q	-145966.00	-12391.20	14169.30	0.00	78.54	21.57	310.42
193	595.24	4	SLE Q	-144845.00	-10135.70	11590.10	0.00	78.54	19.71	284.94
194	595.24	4	SLE Q	-142044.00	-10135.70	11590.10	0.00	78.54	19.48	281.53
195	654.76	4	SLE Q	-140866.00	-8081.62	9241.27	0.00	78.54	17.78	258.14
196	654.76	4	SLE Q	-138139.00	-8081.62	9241.27	0.00	78.54	17.56	254.81

197	714.29	4	SLE Q	-136905.00	-6252.26	7149.41	0.00	78.54	16.02	233.75
198	714.29	4	SLE Q	-134252.00	-6252.26	7149.41	0.00	78.54	15.81	230.52
199	773.81	4	SLE Q	-132961.00	-4656.96	5325.19	0.00	78.54	14.45	211.89
200	773.81	4	SLE Q	-130382.00	-4656.96	5325.19	0.00	78.54	14.24	208.75
201	833.33	4	SLE Q	-129034.00	-3294.33	3767.04	0.00	78.54	13.07	192.54
202	833.33	4	SLE Q	-126528.00	-3294.33	3767.04	0.00	78.54	12.86	189.48
203	892.86	4	SLE Q	-125123.00	-2155.00	2464.22	0.00	78.54	11.86	175.59
204	892.86	4	SLE Q	-122691.00	-2155.00	2464.22	0.00	78.54	11.66	172.63
205	952.38	4	SLE Q	-121229.00	-1223.91	1399.54	0.00	78.54	10.81	160.89
206	952.38	4	SLE Q	-118869.00	-1223.91	1399.54	0.00	78.54	10.62	158.01
207	1011.90	4	SLE Q	-117350.00	-482.33	551.54	0.00	78.54	9.92	148.23
208	1011.90	4	SLE Q	-115062.00	-482.33	551.54	0.00	78.54	9.73	145.44
209	1071.43	4	SLE Q	-113485.00	90.59	-103.59	0.00	78.54	9.30	139.33
210	1071.43	4	SLE Q	-111270.00	90.59	-103.59	0.00	78.54	9.12	136.63
211	1130.95	4	SLE Q	-109635.00	516.53	-590.64	0.00	78.54	9.32	139.17
212	1130.95	4	SLE Q	-107492.00	516.53	-590.64	0.00	78.54	9.14	136.56
213	1190.48	4	SLE Q	-105799.00	817.00	-934.23	0.00	78.54	9.24	137.69
214	1190.48	4	SLE Q	-103728.00	817.00	-934.23	0.00	78.54	9.07	135.16
215	1250.00	4	SLE Q	-101977.00	1012.63	-1157.93	0.00	78.54	9.08	135.11
216	1250.00	4	SLE Q	-99976.90	1012.63	-1157.93	0.00	78.54	8.92	132.67
217	1309.52	4	SLE Q	-98167.10	1122.63	-1283.72	0.00	78.54	8.86	131.64
218	1309.52	4	SLE Q	-96238.40	1122.63	-1283.72	0.00	78.54	8.70	129.28
219	1369.05	4	SLE Q	-94369.90	1164.50	-1331.60	0.00	78.54	8.58	127.45
220	1369.05	4	SLE Q	-92512.20	1164.50	-1331.60	0.00	78.54	8.43	125.19
221	1428.57	4	SLE Q	-90584.70	1153.78	-1319.34	0.00	78.54	8.27	122.72
222	1428.57	4	SLE Q	-88797.60	1153.78	-1319.34	0.00	78.54	8.12	120.54
223	1488.10	4	SLE Q	-86811.00	1104.01	-1262.43	0.00	78.54	7.92	117.59
224	1488.10	4	SLE Q	-85094.40	1104.01	-1262.43	0.00	78.54	7.78	115.50
225	1547.62	4	SLE Q	-83048.40	1026.77	-1174.10	0.00	78.54	7.55	112.18
226	1547.62	4	SLE Q	-81402.00	1026.77	-1174.10	0.00	78.54	7.42	110.17
227	1607.14	4	SLE Q	-79296.30	931.70	-1065.40	0.00	78.54	7.18	106.60
228	1607.14	4	SLE Q	-77719.90	931.70	-1065.40	0.00	78.54	7.05	104.67
229	1666.67	4	SLE Q	-75554.20	826.73	-945.35	0.00	78.54	6.79	100.92
230	1666.67	4	SLE Q	-74047.70	826.73	-945.35	0.00	78.54	6.67	99.08
231	1726.19	4	SLE Q	-71821.70	718.13	-821.17	0.00	78.54	6.40	95.21
232	1726.19	4	SLE Q	-70384.80	718.13	-821.17	0.00	78.54	6.28	93.46
233	1785.71	4	SLE Q	-68098.40	610.78	-698.43	0.00	78.54	6.01	89.53
234	1785.71	4	SLE Q	-66730.90	610.78	-698.43	0.00	78.54	5.90	87.86
235	1845.24	4	SLE Q	-64383.70	508.34	-581.28	0.00	78.54	5.63	83.91
236	1845.24	4	SLE Q	-63085.50	508.34	-581.28	0.00	78.54	5.53	82.33
237	1904.76	4	SLE Q	-60677.20	413.37	-472.69	0.00	78.54	5.26	78.38
238	1904.76	4	SLE Q	-59448.10	413.37	-472.69	0.00	78.54	5.16	76.88
239	1964.29	4	SLE Q	-56978.40	327.60	-374.61	0.00	78.54	4.89	72.96
240	1964.29	4	SLE Q	-55818.20	327.60	-374.61	0.00	78.54	4.79	71.54
241	2023.81	4	SLE Q	-53286.80	252.02	-288.19	0.00	78.54	4.53	67.65
242	2023.81	4	SLE Q	-52195.50	252.02	-288.19	0.00	78.54	4.44	66.32
243	2083.33	4	SLE Q	-49602.00	187.08	-213.93	0.00	78.54	4.18	62.47
244	2083.33	4	SLE Q	-48579.30	187.08	-213.93	0.00	78.54	4.10	61.22
245	2142.86	4	SLE Q	-45923.40	132.77	-151.83	0.00	78.54	3.84	57.40
246	2142.86	4	SLE Q	-44969.30	132.77	-151.83	0.00	78.54	3.76	56.24
247	2202.38	4	SLE Q	-42250.70	88.78	-101.52	0.00	78.54	3.50	52.46
248	2202.38	4	SLE Q	-41365.00	88.78	-101.52	0.00	78.54	3.43	51.38
249	2261.90	4	SLE Q	-38583.40	54.55	-62.38	0.00	78.54	3.18	47.62
250	2261.90	4	SLE Q	-37766.00	54.55	-62.38	0.00	78.54	3.11	46.63
251	2321.43	4	SLE Q	-34921.00	29.39	-33.60	0.00	78.54	2.86	42.89
252	2321.43	4	SLE Q	-34171.80	29.39	-33.60	0.00	78.54	2.80	41.98
253	2380.95	4	SLE Q	-31263.00	12.48	-14.27	0.00	78.54	2.55	38.25
254	2380.95	4	SLE Q	-30581.90	12.48	-14.27	0.00	78.54	2.50	37.42
255	2440.48	4	SLE Q	-27609.00	2.97	-3.40	0.00	78.54	2.25	33.69
256	2440.48	4	SLE Q	-26995.90	2.97	-3.40	0.00	78.54	2.20	32.95
257	2500.00	4	SLE Q	-23958.40	0.00	0.00	0.00	78.54	1.95	29.21
258	2500.00	4	SLE Q	-23413.30	0.00	0.00	0.00	78.54	1.90	28.55

Stato limite d'esercizio – Verifiche a fessurazione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	c <mm>	s <mm>	K_2	Φ_{eq}	Δ_{sm} <mm>	A_s <cmq>	$A_{c\ eff}$ <cmq>	σ_s <daN/cmq>	ε_{sm}	Wk <mm>
173	0.00	4	SLE Q	-179269.00	29829.80	-26086.60	46.00	136.36	0.50	20.00	163.99	6.28	226.15	74.97	0.02	0.01
174	0.00	4	SLE Q	-179269.00	29829.80	-26086.60	46.00	136.36	0.50	20.00	163.99	6.28	226.15	74.97	0.02	0.01
175	59.52	4	SLE Q	-178944.00	31192.60	-27278.30	46.00	136.36	0.50	20.00	179.98	6.28	276.41	95.13	0.03	0.01
176	59.52	4	SLE Q	-178057.00	31192.60	-27278.30	46.00	136.36	0.50	20.00	181.76	6.28	282.00	96.97	0.03	0.01
177	119.05	4	SLE Q	-176141.00	31094.60	-27192.70	46.00	136.36	0.50	20.00	184.53	6.28	290.70	99.51	0.03	0.01
178	119.05	4	SLE Q	-173972.00	31094.60	-27192.70	46.00	136.36	0.50	20.00	189.07	6.28	304.96	104.16	0.03	0.01
179	178.57	4	SLE Q	-172868.00	29905.40	-26152.70	46.00	136.36	0.50	20.00	177.29	6.28	267.96	88.53	0.03	0.01
180	178.57	4	SLE Q	-169909.00	29905.40	-26152.70	46.00	136.36	0.50	20.00	183.46	6.28	287.32	94.64	0.03	0.01
181	238.09	4	SLE Q	-169123.00	27941.10	-24434.90	46.00	136.36	0.50	20.00	161.63	6.28	218.75	67.97	0.02	0.01
182	238.09	4	SLE Q	-165867.00	27941.10	-24434.90	46.00	136.36	0.50	20.00	168.10	6.28	239.09	74.12	0.02	0.01
259	0.00	3	SLE F	-179269.00	29829.80	-26086.60	46.00	136.36	0.50	20.00	163.99	6.28	226.15	74.97	0.02	0.01

260	0.00	3	SLE F	-179269.00	29829.80	-26086.60	46.00	136.36	0.50	20.00	163.99	6.28	226.15	74.97	0.02	0.01
261	59.52	3	SLE F	-178944.00	31192.60	-27278.30	46.00	136.36	0.50	20.00	179.98	6.28	276.41	95.13	0.03	0.01
262	59.52	3	SLE F	-178057.00	31192.60	-27278.30	46.00	136.36	0.50	20.00	181.76	6.28	282.00	96.97	0.03	0.01
263	119.05	3	SLE F	-176141.00	31094.60	-27192.70	46.00	136.36	0.50	20.00	184.53	6.28	290.70	99.51	0.03	0.01
264	119.05	3	SLE F	-173972.00	31094.60	-27192.70	46.00	136.36	0.50	20.00	189.07	6.28	304.96	104.16	0.03	0.01
265	178.57	3	SLE F	-172868.00	29905.40	-26152.70	46.00	136.36	0.50	20.00	177.29	6.28	267.96	88.53	0.03	0.01
266	178.57	3	SLE F	-169909.00	29905.40	-26152.70	46.00	136.36	0.50	20.00	183.46	6.28	287.32	94.64	0.03	0.01
267	238.09	3	SLE F	-169123.00	27941.10	-24434.90	46.00	136.36	0.50	20.00	161.63	6.28	218.75	67.97	0.02	0.01
268	238.09	3	SLE F	-165867.00	27941.10	-24434.90	46.00	136.36	0.50	20.00	168.10	6.28	239.09	74.12	0.02	0.01

Verifiche principali

Caso	Tipo
6	SLU N cost - min. sic.
15	SLU Taglio - min. sic. c.a.,SLU Taglio - min. sic. acciaio
89	C.Rare - Sc min (max compr.),C.Rare - Sf min (max compr.)
92	C.Rare - Sf max (max traz.)
104	C.Rare - Sc max (min. compr.)
175	C.Q.Per. - Sc min (max compr.),C.Q.Per. - Sf min (max compr.)
178	C.Q.Per. - Sf max (max traz.),C.Q.Per. - Wk Max
190	C.Q.Per. - Sc max (min. compr.)
264	C.Freq - Wk Max

Palo n. 8

Caratteristiche del palo e dei materiali utilizzati

R <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
60.00	6.00	C30/37	307.10	20.59	174.02	13.73	B450C	4300.00	3913.04

Le sollecitazioni nei pali vengono calcolate oltre che per l'effetto delle reazioni vincolari anche considerando i seguenti effetti

Azioni ed effetti comuni

Az	N <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
PP	0.00	0.00	0.00	
SVR	0.00			

Azioni ed effetti - Plinto/Palo n. 8 (-41)

Caso	CC	TCC	Az	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	RVN	155514.00	7153.01	830.08	54354.90	17224.20
	1	SLU	TAG				0.00	0.00
	1	SLU	ECC				0.00	0.00
	1	SLU	TOT	155514.00	7153.01	830.08	54354.90	17224.20
2	2	SLE R	RVN	115196.00	5298.53	614.87	40262.90	12758.70
	2	SLE R	TAG				0.00	0.00
	2	SLE R	ECC				0.00	0.00
	2	SLE R	TOT	115196.00	5298.53	614.87	40262.90	12758.70
3	3	SLE F	RVN	115196.00	5298.53	614.87	40262.90	12758.70
	3	SLE F	TAG				0.00	0.00
	3	SLE F	ECC				0.00	0.00
	3	SLE F	TOT	115196.00	5298.53	614.87	40262.90	12758.70
4	4	SLE Q	RVN	115196.00	5298.53	614.87	40262.90	12758.70
	4	SLE Q	TAG				0.00	0.00
	4	SLE Q	ECC				0.00	0.00
	4	SLE Q	TOT	115196.00	5298.53	614.87	40262.90	12758.70

Sollecitazioni nei pali

Caso	CC	TCC	Palo	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	1	-155514.00	-7153.01	-830.08	-54354.90	-17224.20
2	2	SLE R	1	-115196.00	-5298.53	-614.87	-40262.90	-12758.70
3	3	SLE F	1	-115196.00	-5298.53	-614.87	-40262.90	-12758.70
4	4	SLE Q	1	-115196.00	-5298.53	-614.87	-40262.90	-12758.70

Da 0 a -25

Stato limite ultimo - Verifiche a flessione/pressoflessione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	Rott.	α <grad>	Sic.
1	0.00	1	SLU	-155514.00	53790.20	-17045.30	-155514.00	198466.00	-62481.90	2-3	197.50	3.687
2	0.00	1	SLU	-155514.00	53790.20	-17045.30	-155514.00	198466.00	-62481.90	2-3	197.50	3.687
3	59.52	1	SLU	-155189.00	56303.80	-17841.80	-155189.00	198355.00	-62446.40	2-3	197.50	3.521
4	59.52	1	SLU	-154583.00	56303.80	-17841.80	-154583.00	198149.00	-62379.90	2-3	197.50	3.517
5	119.05	1	SLU	-152386.00	56167.40	-17798.60	-152386.00	197399.00	-62139.00	2-3	197.50	3.512

6	119.05	1	SLU	-151057.00	56167.40	-17798.60	-151057.00	196945.00	-61993.10	2-3	197.50	3.504
7	178.57	1	SLU	-149113.00	54049.60	-17127.50	-149113.00	196279.00	-61779.00	2-3	197.50	3.629
8	178.57	1	SLU	-147551.00	54049.60	-17127.50	-147551.00	195743.00	-61606.60	2-3	197.50	3.619
9	238.09	1	SLU	-145592.00	50523.00	-16010.00	-145592.00	195070.00	-61390.20	2-3	197.50	3.859
10	238.09	1	SLU	-144063.00	50523.00	-16010.00	-144063.00	194545.00	-61221.40	2-3	197.50	3.848
11	297.62	1	SLU	-142089.00	46067.10	-14597.90	-142089.00	193867.00	-61003.30	2-3	197.50	4.206
12	297.62	1	SLU	-140593.00	46067.10	-14597.90	-140593.00	193352.00	-60838.00	2-3	197.50	4.194
13	357.14	1	SLU	-138604.00	41074.60	-13015.90	-138604.00	192665.00	-60617.10	2-3	197.50	4.688
14	357.14	1	SLU	-137142.00	41074.60	-13015.90	-137142.00	192160.00	-60454.50	2-3	197.50	4.675
15	416.67	1	SLU	-135138.00	35859.10	-11363.20	-135138.00	191467.00	-60231.60	2-3	197.50	5.336
16	416.67	1	SLU	-133708.00	35859.10	-11363.20	-133708.00	190972.00	-60072.60	2-3	197.50	5.322
17	476.19	1	SLU	-131688.00	30663.70	-9716.85	-131688.00	190273.00	-59847.80	2-3	197.50	6.201
18	476.19	1	SLU	-130290.00	30663.70	-9716.85	-130290.00	189789.00	-59692.20	2-3	197.50	6.185
19	535.71	1	SLU	-128255.00	25669.70	-8134.34	-128255.00	189081.00	-59464.60	2-3	197.50	7.361
20	535.71	1	SLU	-126890.00	25669.70	-8134.34	-126890.00	188606.00	-59311.80	2-3	197.50	7.342
21	595.24	1	SLU	-124838.00	21006.00	-6656.47	-124838.00	187891.00	-59082.10	2-3	197.50	8.938
22	595.24	1	SLU	-123505.00	21006.00	-6656.47	-123505.00	187427.00	-58932.90	2-3	197.50	8.916
23	654.76	1	SLU	-121437.00	16757.10	-5310.05	-121437.00	186706.00	-58701.20	2-3	197.50	11.134
24	654.76	1	SLU	-120136.00	16757.10	-5310.05	-120136.00	186253.00	-58555.40	2-3	197.50	11.107
25	714.29	1	SLU	-118052.00	12971.50	-4110.47	-118052.00	185523.00	-58320.80	2-3	197.50	14.292
26	714.29	1	SLU	-116783.00	12971.50	-4110.47	-116783.00	185079.00	-58177.90	2-3	197.50	14.258
27	773.81	1	SLU	-114681.00	9669.11	-3063.99	-114681.00	184342.00	-57941.20	2-3	197.50	19.051
28	773.81	1	SLU	-113444.00	9669.11	-3063.99	-113444.00	183908.00	-57801.80	2-3	197.50	19.006
29	833.33	1	SLU	-111325.00	6847.34	-2169.81	-2571250.00	183165.00	-57562.90	2-3	197.50	23.097
30	833.33	1	SLU	-110119.00	6847.34	-2169.81	-2571250.00	182742.00	-57426.90	2-3	197.50	23.350
31	892.86	1	SLU	-107983.00	4487.06	-1421.88	-2571250.00	181991.00	-57185.10	2-3	197.50	23.811
32	892.86	1	SLU	-106809.00	4487.06	-1421.88	-2571250.00	181577.00	-57052.00	2-3	197.50	24.073
33	952.38	1	SLU	-104655.00	2557.38	-810.39	-2571250.00	180798.00	-56836.90	2-3	197.50	24.569
34	952.38	1	SLU	-103512.00	2557.38	-810.39	-2571250.00	180371.00	-56743.00	2-3	197.50	24.840
35	1011.90	1	SLU	-101340.00	1019.69	-323.13	-2571250.00	179560.00	-56564.10	2-3	197.50	25.372
36	1011.90	1	SLU	-100228.00	1019.69	-323.13	-2571250.00	179144.00	-56472.20	2-3	197.50	25.654
37	1071.43	1	SLU	-98038.40	-168.97	53.55	-2571250.00	-178050.00	56096.80	2-3	17.50	26.227
38	1071.43	1	SLU	-96957.30	-168.97	53.55	-2571250.00	-177649.00	55968.30	2-3	17.50	26.519
39	1130.95	1	SLU	-94748.90	-1053.37	333.80	-2571250.00	-176831.00	55705.90	2-3	17.50	27.137
40	1130.95	1	SLU	-93698.60	-1053.37	333.80	-2571250.00	-176442.00	55581.00	2-3	17.50	27.442
41	1190.48	1	SLU	-91471.40	-1677.93	531.71	-2571250.00	-175613.00	55314.50	2-3	17.50	28.110
42	1190.48	1	SLU	-90451.80	-1677.93	531.71	-2571250.00	-175233.00	55192.40	2-3	17.50	28.427
43	1250.00	1	SLU	-88205.50	-2085.30	660.80	-2571250.00	-174397.00	54923.70	2-3	17.50	29.151
44	1250.00	1	SLU	-87216.50	-2085.30	660.80	-2571250.00	-174030.00	54805.70	2-3	17.50	29.481
45	1309.52	1	SLU	-84950.90	-2315.21	733.65	-2571250.00	-173183.00	54533.50	2-3	17.50	30.267
46	1309.52	1	SLU	-83992.20	-2315.21	733.65	-2571250.00	-172825.00	54418.70	2-3	17.50	30.613
47	1369.05	1	SLU	-81707.00	-2403.83	761.74	-2571250.00	-171969.00	54143.10	2-3	17.50	31.469
48	1369.05	1	SLU	-80778.60	-2403.83	761.74	-2571250.00	-171621.00	54031.10	2-3	17.50	31.831
49	1428.57	1	SLU	-78473.50	-2383.33	755.24	-2571250.00	-170756.00	53752.90	2-3	17.50	32.766
50	1428.57	1	SLU	-77575.30	-2383.33	755.24	-2571250.00	-170419.00	53644.50	2-3	17.50	33.145
51	1488.10	1	SLU	-75249.90	-2281.75	723.05	-2571250.00	-169546.00	53363.80	2-3	17.50	34.169
52	1488.10	1	SLU	-74381.90	-2281.75	723.05	-2571250.00	-169220.00	53258.90	2-3	17.50	34.568
53	1547.62	1	SLU	-72035.90	-2123.05	672.76	-2571250.00	-168336.00	52974.20	2-3	17.50	35.694
54	1547.62	1	SLU	-71197.80	-2123.05	672.76	-2571250.00	-168020.00	52872.30	2-3	17.50	36.114
55	1607.14	1	SLU	-68831.10	-1927.23	610.71	-2571250.00	-167127.00	52584.60	2-3	17.50	37.356
56	1607.14	1	SLU	-68022.80	-1927.23	610.71	-2571250.00	-166821.00	52486.30	2-3	17.50	37.800
57	1666.67	1	SLU	-65635.00	-1710.69	542.09	-2571250.00	-165919.00	52195.90	2-3	17.50	39.175
58	1666.67	1	SLU	-64856.50	-1710.69	542.09	-2571250.00	-165625.00	52101.20	2-3	17.50	39.645
59	1726.19	1	SLU	-62447.20	-1486.46	471.04	-2571250.00	-164712.00	51807.00	2-3	17.50	41.175
60	1726.19	1	SLU	-61698.40	-1486.46	471.04	-2571250.00	-164428.00	51715.30	2-3	17.50	41.675
61	1785.71	1	SLU	-59267.40	-1264.67	400.75	-2571250.00	-163505.00	51417.70	2-3	17.50	43.384
62	1785.71	1	SLU	-58548.10	-1264.67	400.75	-2571250.00	-163232.00	51329.60	2-3	17.50	43.917
63	1845.24	1	SLU	-56095.10	-1052.87	333.64	-2571250.00	-162300.00	51029.10	2-3	17.50	45.837
64	1845.24	1	SLU	-55405.20	-1052.87	333.64	-2571250.00	-162038.00	50944.60	2-3	17.50	46.408
65	1904.76	1	SLU	-52929.90	-856.44	271.39	-2571250.00	-161096.00	50640.60	2-3	17.50	48.578
66	1904.76	1	SLU	-52269.40	-856.44	271.39	-2571250.00	-160844.00	50559.20	2-3	17.50	49.192
67	1964.29	1	SLU	-49771.40	-678.95	215.15	-2571250.00	-159890.00	50251.40	2-3	17.50	51.661
68	1964.29	1	SLU	-49140.20	-678.95	215.15	-2571250.00	-159649.00	50173.50	2-3	17.50	52.325
69	2023.81	1	SLU	-46619.20	-522.49	165.57	-2571250.00	-158686.00	49862.70	2-3	17.50	55.154
70	2023.81	1	SLU	-46017.30	-522.49	165.57	-2571250.00	-158456.00	49788.50	2-3	17.50	55.876
71	2083.33	1	SLU	-43473.00	-387.99	122.95	-2571250.00	-157483.00	49474.30	2-3	17.50	59.146
72	2083.33	1	SLU	-42900.20	-387.99	122.95	-2571250.00	-157263.00	49403.30	2-3	17.50	59.936
73	2142.86	1	SLU	-40332.30	-275.46	87.29	-2571250.00	-156278.00	49084.80	2-3	17.50	63.752
74	2142.86	1	SLU	-39788.50	-275.46	87.29	-2571250.00	-156070.00	49017.40	2-3	17.50	64.623
75	2202.38	1	SLU	-37196.70	-184.27	58.39	-2571250.00	-155075.00	48695.80	2-3	17.50	69.126
76	2202.38	1	SLU	-36681.90	-184.27	58.39	-2571250.00	-154877.00	48631.90	2-3	17.50	70.096
77	2261.90	1	SLU	-34065.80	-113.28	35.90	-2571250.00	-153872.00	48307.20	2-3	17.50	75.479
78	2261.90	1	SLU	-33579.90	-113.28	35.90	-2571250.00	-153685.00	48246.70	2-3	17.50	76.571
79	2321.43	1	SLU	-30939.20	-61.04	19.34	-2571250.00	-152667.00	47917.30	2-3	17.50	83.106
80	2321.43	1	SLU	-30482.30	-61.04	19.34	-2571250.00	-152487.00	47865.90	2-3	17.50	84.352
81	2380.95	1	SLU	-27816.60	-25.93	8.22	-2571250.00	-151399.00	47629.90	2-3	17.50	92.436

82	2380.95	1	SLU	-27388.50	-25.93	8.22	-2571250.00	-151224.00	47591.90	2-3	17.50	93.881
83	2440.48	1	SLU	-24697.50	-6.18	1.96	-2571250.00	-150125.00	47352.10	2-3	17.50	>100
84	2440.48	1	SLU	-24298.10	-6.18	1.96	-2571250.00	-149962.00	47316.50	2-3	17.50	>100
85	2500.00	1	SLU	-21581.60	0.00	0.00	-2571250.00					>100
86	2500.00	1	SLU	-21210.90	0.00	0.00	-2571250.00					>100

Stato limite ultimo - Verifiche a taglio

Caso	X <cm>	CC	TCC	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1	0.00	1	SLU	7153.01	830.08	0.85	11.31	7201.02	1.00	32294.70	353944.00	32294.70	4.485
2	0.00	1	SLU	7153.01	830.08	0.85	11.31	7201.02	1.00	32294.70	353944.00	32294.70	4.485
3	59.52	1	SLU	1871.37	217.16	0.85	11.31	1883.93	1.00	32294.70	353897.00	32294.70	17.142
4	59.52	1	SLU	1871.37	217.16	0.85	11.31	1883.93	1.00	32294.70	353810.00	32294.70	17.142
5	119.05	1	SLU	-2154.09	-249.97	0.85	11.31	2168.54	1.00	32294.70	353496.00	32294.70	14.892
6	119.05	1	SLU	-2154.09	-249.97	0.85	11.31	2168.54	1.00	32294.70	353305.00	32294.70	14.892
7	178.57	1	SLU	-5093.67	-591.10	0.85	11.31	5127.85	1.00	32294.70	353027.00	32294.70	6.298
8	178.57	1	SLU	-5093.67	-591.10	0.85	11.31	5127.85	1.00	32294.70	352803.00	32294.70	6.298
9	238.09	1	SLU	-7113.94	-825.54	0.85	11.31	7161.68	1.00	32294.70	352523.00	32294.70	4.509
10	238.09	1	SLU	-7113.94	-825.54	0.85	11.31	7161.68	1.00	32294.70	352304.00	32294.70	4.509
11	297.62	1	SLU	-8372.75	-971.62	0.85	11.31	8428.94	1.00	32294.70	352021.00	32294.70	3.831
12	297.62	1	SLU	-8372.75	-971.62	0.85	11.31	8428.94	1.00	32294.70	351807.00	32294.70	3.831
13	357.14	1	SLU	-9015.72	-1046.24	0.85	11.31	9076.22	1.00	32294.70	351522.00	32294.70	3.558
14	357.14	1	SLU	-9015.72	-1046.24	0.85	11.31	9076.22	1.00	32294.70	351312.00	32294.70	3.558
15	416.67	1	SLU	-9174.06	-1064.61	0.85	11.31	9235.62	1.00	32294.70	351025.00	32294.70	3.497
16	416.67	1	SLU	-9174.06	-1064.61	0.85	11.31	9235.62	1.00	32294.70	350820.00	32294.70	3.497
17	476.19	1	SLU	-8963.51	-1040.18	0.85	11.31	9023.66	1.00	32294.70	350531.00	32294.70	3.579
18	476.19	1	SLU	-8963.51	-1040.18	0.85	11.31	9023.66	1.00	32294.70	350331.00	32294.70	3.579
19	535.71	1	SLU	-8484.06	-984.54	0.85	11.31	8540.99	1.00	32294.70	350039.00	32294.70	3.781
20	535.71	1	SLU	-8484.06	-984.54	0.85	11.31	8540.99	1.00	32294.70	349844.00	32294.70	3.781
21	595.24	1	SLU	-7820.27	-907.51	0.85	11.31	7872.75	1.00	32294.70	349550.00	32294.70	4.102
22	595.24	1	SLU	-7820.27	-907.51	0.85	11.31	7872.75	1.00	32294.70	349359.00	32294.70	4.102
23	654.76	1	SLU	-7042.14	-817.21	0.85	11.31	7089.40	1.00	32294.70	349063.00	32294.70	4.555
24	654.76	1	SLU	-7042.14	-817.21	0.85	11.31	7089.40	1.00	32294.70	348876.00	32294.70	4.555
25	714.29	1	SLU	-6206.24	-720.21	0.85	11.31	6247.89	1.00	32294.70	348578.00	32294.70	5.169
26	714.29	1	SLU	-6206.24	-720.21	0.85	11.31	6247.89	1.00	32294.70	348396.00	32294.70	5.169
27	773.81	1	SLU	-5357.02	-621.66	0.85	11.31	5392.97	1.00	32294.70	348095.00	32294.70	5.988
28	773.81	1	SLU	-5357.02	-621.66	0.85	11.31	5392.97	1.00	32294.70	347918.00	32294.70	5.988
29	833.33	1	SLU	-4528.30	-525.49	0.85	11.31	4558.69	1.00	32294.70	347614.00	32294.70	7.084
30	833.33	1	SLU	-4528.30	-525.49	0.85	11.31	4558.69	1.00	32294.70	347442.00	32294.70	7.084
31	892.86	1	SLU	-3744.65	-434.55	0.85	11.31	3769.78	1.00	32294.70	347136.00	32294.70	8.567
32	892.86	1	SLU	-3744.65	-434.55	0.85	11.31	3769.78	1.00	32294.70	346967.00	32294.70	8.567
33	952.38	1	SLU	-3022.91	-350.80	0.85	11.31	3043.19	1.00	32294.70	346659.00	32294.70	10.612
34	952.38	1	SLU	-3022.91	-350.80	0.85	11.31	3043.19	1.00	32294.70	346495.00	32294.70	10.612
35	1011.90	1	SLU	-2373.44	-275.43	0.85	11.31	2389.37	1.00	32294.70	346184.00	32294.70	13.516
36	1011.90	1	SLU	-2373.44	-275.43	0.85	11.31	2389.37	1.00	32294.70	346025.00	32294.70	13.516
37	1071.43	1	SLU	-1801.44	-209.05	0.85	11.31	1813.53	1.00	32294.70	345711.00	32294.70	17.808
38	1071.43	1	SLU	-1801.44	-209.05	0.85	11.31	1813.53	1.00	32294.70	345556.00	32294.70	17.808
39	1130.95	1	SLU	-1308.01	-151.79	0.85	11.31	1316.79	1.00	32294.70	345240.00	32294.70	24.525
40	1130.95	1	SLU	-1308.01	-151.79	0.85	11.31	1316.79	1.00	32294.70	345089.00	32294.70	24.525
41	1190.48	1	SLU	-891.18	-103.42	0.85	11.31	897.16	1.00	32294.70	344770.00	32294.70	35.997
42	1190.48	1	SLU	-891.18	-103.42	0.85	11.31	897.16	1.00	32294.70	344624.00	32294.70	35.997
43	1250.00	1	SLU	-546.71	-63.44	0.85	11.31	550.37	1.00	32294.70	344303.00	32294.70	58.678
44	1250.00	1	SLU	-546.71	-63.44	0.85	11.31	550.37	1.00	32294.70	344161.00	32294.70	58.678
45	1309.52	1	SLU	-268.82	-31.20	0.85	11.31	270.63	1.00	32294.70	343836.00	32294.70	>100
46	1309.52	1	SLU	-268.82	-31.20	0.85	11.31	270.63	1.00	32294.70	343699.00	32294.70	>100
47	1369.05	1	SLU	-50.83	-5.90	0.85	11.31	51.17	1.00	32294.70	343372.00	32294.70	>100
48	1369.05	1	SLU	-50.83	-5.90	0.85	11.31	51.17	1.00	32294.70	343239.00	32294.70	>100
49	1428.57	1	SLU	114.43	13.28	0.85	11.31	115.20	1.00	32294.70	342909.00	32294.70	>100
50	1428.57	1	SLU	114.43	13.28	0.85	11.31	115.20	1.00	32294.70	342780.00	32294.70	>100
51	1488.10	1	SLU	234.22	27.18	0.85	11.31	235.80	1.00	32294.70	342447.00	32294.70	>100
52	1488.10	1	SLU	234.22	27.18	0.85	11.31	235.80	1.00	32294.70	342322.00	32294.70	>100
53	1547.62	1	SLU	315.60	36.62	0.85	11.31	317.72	1.00	32294.70	341987.00	32294.70	>100
54	1547.62	1	SLU	315.60	36.62	0.85	11.31	317.72	1.00	32294.70	341866.00	32294.70	>100
55	1607.14	1	SLU	365.21	42.38	0.85	11.31	367.66	1.00	32294.70	341527.00	32294.70	87.839
56	1607.14	1	SLU	365.21	42.38	0.85	11.31	367.66	1.00	32294.70	341412.00	32294.70	87.839
57	1666.67	1	SLU	389.17	45.16	0.85	11.31	391.78	1.00	32294.70	341070.00	32294.70	82.431
58	1666.67	1	SLU	389.17	45.16	0.85	11.31	391.78	1.00	32294.70	340958.00	32294.70	82.431
59	1726.19	1	SLU	392.95	45.60	0.85	11.31	395.59	1.00	32294.70	340613.00	32294.70	81.637
60	1726.19	1	SLU	392.95	45.60	0.85	11.31	395.59	1.00	32294.70	340506.00	32294.70	81.637
61	1785.71	1	SLU	381.39	44.26	0.85	11.31	383.95	1.00	32294.70	340158.00	32294.70	84.112
62	1785.71	1	SLU	381.39	44.26	0.85	11.31	383.95	1.00	32294.70	340054.00	32294.70	84.112
63	1845.24	1	SLU	358.61	41.62	0.85	11.31	361.01	1.00	32294.70	339703.00	32294.70	89.455
64	1845.24	1	SLU	358.61	41.62	0.85	11.31	361.01	1.00	32294.70	339604.00	32294.70	89.455
65	1904.76	1	SLU	328.10	38.07	0.85	11.31	330.30	1.00	32294.70	339250.00	32294.70	97.774
66	1904.76	1	SLU	328.10	38.07	0.85	11.31	330.30	1.00	32294.70	339155.00	32294.70	97.774
67	1964.29	1	SLU	292.73	33.97	0.85	11.31	294.69	1.00	32294.70	338797.00	32294.70	>100
68	1964.29	1	SLU	292.73	33.97	0.85	11.31	294.69	1.00	32294.70	338707.00	32294.70	>100

69	2023.81	1	SLU	254.80	29.57	0.85	11.31	256.51	1.00	32294.70	338346.00	32294.70	>100
70	2023.81	1	SLU	254.80	29.57	0.85	11.31	256.51	1.00	32294.70	338260.00	32294.70	>100
71	2083.33	1	SLU	216.12	25.08	0.85	11.31	217.57	1.00	32294.70	337895.00	32294.70	>100
72	2083.33	1	SLU	216.12	25.08	0.85	11.31	217.57	1.00	32294.70	337813.00	32294.70	>100
73	2142.86	1	SLU	178.05	20.66	0.85	11.31	179.25	1.00	32294.70	337445.00	32294.70	>100
74	2142.86	1	SLU	178.05	20.66	0.85	11.31	179.25	1.00	32294.70	337367.00	32294.70	>100
75	2202.38	1	SLU	141.58	16.43	0.85	11.31	142.53	1.00	32294.70	336996.00	32294.70	>100
76	2202.38	1	SLU	141.58	16.43	0.85	11.31	142.53	1.00	32294.70	336922.00	32294.70	>100
77	2261.90	1	SLU	107.40	12.46	0.85	11.31	108.12	1.00	32294.70	336548.00	32294.70	>100
78	2261.90	1	SLU	107.40	12.46	0.85	11.31	108.12	1.00	32294.70	336478.00	32294.70	>100
79	2321.43	1	SLU	75.96	8.81	0.85	11.31	76.47	1.00	32294.70	336100.00	32294.70	>100
80	2321.43	1	SLU	75.96	8.81	0.85	11.31	76.47	1.00	32294.70	336034.00	32294.70	>100
81	2380.95	1	SLU	47.50	5.51	0.85	11.31	47.82	1.00	32294.70	335653.00	32294.70	>100
82	2380.95	1	SLU	47.50	5.51	0.85	11.31	47.82	1.00	32294.70	335591.00	32294.70	>100
83	2440.48	1	SLU	22.17	2.57	0.85	11.31	22.32	1.00	32294.70	335206.00	32294.70	>100
84	2440.48	1	SLU	22.17	2.57	0.85	11.31	22.32	1.00	32294.70	335149.00	32294.70	>100

Verifiche stato limite d'esercizio

Caso	X <cm>	CC	TCC	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ_c <daN/cmq>	σ_f <daN/cmq>
87	0.00	2	SLE R	-115196.00	-12626.10	39844.60	34.56	43.98	36.18	497.58
88	0.00	2	SLE R	-115196.00	-12626.10	39844.60	34.56	43.98	36.18	497.58
89	59.52	2	SLE R	-114871.00	-13216.20	41706.60	34.56	43.98	38.08	522.06
90	59.52	2	SLE R	-114742.00	-13216.20	41706.60	34.56	43.98	38.09	522.09
91	119.05	2	SLE R	-112294.00	-13184.10	41605.50	34.56	43.98	38.09	521.44
92	119.05	2	SLE R	-112165.00	-13184.10	41605.50	34.56	43.98	38.09	521.48
93	178.57	2	SLE R	-109732.00	-12687.00	40036.80	34.56	43.98	36.58	501.30
94	178.57	2	SLE R	-109603.00	-12687.00	40036.80	34.56	43.98	36.59	501.34
95	238.09	2	SLE R	-107183.00	-11859.20	37424.50	34.56	43.98	34.02	467.54
96	238.09	2	SLE R	-107055.00	-11859.20	37424.50	34.56	43.98	34.02	467.56
97	297.62	2	SLE R	-104649.00	-10813.30	34123.80	34.56	43.98	30.83	425.55
98	297.62	2	SLE R	-104521.00	-10813.30	34123.80	34.56	43.98	30.83	425.56
99	357.14	2	SLE R	-102127.00	-9641.41	30425.60	28.27	50.27	27.39	380.13
100	357.14	2	SLE R	-101999.00	-9641.41	30425.60	28.27	50.27	27.39	380.11
101	416.67	2	SLE R	-99618.40	-8417.18	26562.30	28.27	50.27	24.02	335.26
102	416.67	2	SLE R	-99491.00	-8417.18	26562.30	28.27	50.27	24.01	335.20
103	476.19	2	SLE R	-97122.50	-7197.67	22713.90	21.99	56.55	20.92	293.86
104	476.19	2	SLE R	-96995.30	-7197.67	22713.90	21.99	56.55	20.92	293.76
105	535.71	2	SLE R	-94638.90	-6025.44	19014.60	15.71	62.83	18.23	257.56
106	535.71	2	SLE R	-94511.90	-6025.44	19014.60	15.71	62.83	18.22	257.44
107	595.24	2	SLE R	-92167.30	-4930.72	15560.00	3.14	75.40	15.96	226.71
108	595.24	2	SLE R	-92040.60	-4930.72	15560.00	3.14	75.40	15.95	226.57
109	654.76	2	SLE R	-89707.40	-3933.37	12412.60	0.00	78.54	14.03	200.39
110	654.76	2	SLE R	-89580.90	-3933.37	12412.60	0.00	78.54	14.02	200.24
111	714.29	2	SLE R	-87258.90	-3044.79	9608.53	0.00	78.54	12.31	176.85
112	714.29	2	SLE R	-87132.60	-3044.79	9608.53	0.00	78.54	12.30	176.69
113	773.81	2	SLE R	-84821.50	-2269.62	7162.30	0.00	78.54	10.78	155.94
114	773.81	2	SLE R	-84695.30	-2269.62	7162.30	0.00	78.54	10.77	155.78
115	833.33	2	SLE R	-82394.80	-1607.27	5072.10	0.00	78.54	9.45	137.65
116	833.33	2	SLE R	-82268.80	-1607.27	5072.10	0.00	78.54	9.44	137.50
117	892.86	2	SLE R	-79978.60	-1053.24	3323.75	0.00	78.54	8.31	121.89
118	892.86	2	SLE R	-79852.80	-1053.24	3323.75	0.00	78.54	8.30	121.73
119	952.38	2	SLE R	-77572.60	-600.29	1894.35	0.00	78.54	7.33	108.47
120	952.38	2	SLE R	-77446.90	-600.29	1894.35	0.00	78.54	7.32	108.32
121	1011.90	2	SLE R	-75176.40	-239.35	755.33	0.00	78.54	6.52	97.20
122	1011.90	2	SLE R	-75050.80	-239.35	755.33	0.00	78.54	6.51	97.04
123	1071.43	2	SLE R	-72789.80	39.66	-125.17	0.00	78.54	5.98	89.67
124	1071.43	2	SLE R	-72664.20	39.66	-125.17	0.00	78.54	5.97	89.52
125	1130.95	2	SLE R	-70412.30	247.26	-780.27	0.00	78.54	6.15	91.61
126	1130.95	2	SLE R	-70286.90	247.26	-780.27	0.00	78.54	6.14	91.46
127	1190.48	2	SLE R	-68043.90	393.86	-1242.91	0.00	78.54	6.21	92.14
128	1190.48	2	SLE R	-67918.50	393.86	-1242.91	0.00	78.54	6.20	91.99
129	1250.00	2	SLE R	-65684.10	489.48	-1544.67	0.00	78.54	6.18	91.49
130	1250.00	2	SLE R	-65558.70	489.48	-1544.67	0.00	78.54	6.17	91.34
131	1309.52	2	SLE R	-63332.60	543.45	-1714.97	0.00	78.54	6.08	89.88
132	1309.52	2	SLE R	-63207.20	543.45	-1714.97	0.00	78.54	6.07	89.73
133	1369.05	2	SLE R	-60989.10	564.25	-1780.61	0.00	78.54	5.92	87.51
134	1369.05	2	SLE R	-60863.80	564.25	-1780.61	0.00	78.54	5.91	87.36
135	1428.57	2	SLE R	-58653.40	559.44	-1765.43	0.00	78.54	5.73	84.55
136	1428.57	2	SLE R	-58528.10	559.44	-1765.43	0.00	78.54	5.72	84.40
137	1488.10	2	SLE R	-56325.20	535.59	-1690.18	0.00	78.54	5.50	81.15
138	1488.10	2	SLE R	-56199.80	535.59	-1690.18	0.00	78.54	5.49	81.00
139	1547.62	2	SLE R	-54004.10	498.34	-1572.63	0.00	78.54	5.24	77.46
140	1547.62	2	SLE R	-53878.70	498.34	-1572.63	0.00	78.54	5.23	77.30
141	1607.14	2	SLE R	-51689.80	452.38	-1427.58	0.00	78.54	4.98	73.56
142	1607.14	2	SLE R	-51564.40	452.38	-1427.58	0.00	78.54	4.97	73.41
143	1666.67	2	SLE R	-49382.10	401.55	-1267.18	0.00	78.54	4.70	69.57

144	1666.67	2	SLE R	-49256.60	401.55	-1267.18	0.00	78.54	4.69	69.41
145	1726.19	2	SLE R	-47080.70	348.92	-1101.08	0.00	78.54	4.42	65.53
146	1726.19	2	SLE R	-46955.10	348.92	-1101.08	0.00	78.54	4.41	65.38
147	1785.71	2	SLE R	-44785.30	296.86	-936.79	0.00	78.54	4.15	61.52
148	1785.71	2	SLE R	-44659.60	296.86	-936.79	0.00	78.54	4.14	61.37
149	1845.24	2	SLE R	-42495.50	247.14	-779.90	0.00	78.54	3.88	57.57
150	1845.24	2	SLE R	-42369.70	247.14	-779.90	0.00	78.54	3.87	57.42
151	1904.76	2	SLE R	-40211.20	201.03	-634.40	0.00	78.54	3.61	53.71
152	1904.76	2	SLE R	-40085.20	201.03	-634.40	0.00	78.54	3.60	53.56
153	1964.29	2	SLE R	-37931.90	159.37	-502.93	0.00	78.54	3.36	49.96
154	1964.29	2	SLE R	-37805.80	159.37	-502.93	0.00	78.54	3.35	49.81
155	2023.81	2	SLE R	-35657.50	122.64	-387.03	0.00	78.54	3.11	46.33
156	2023.81	2	SLE R	-35531.20	122.64	-387.03	0.00	78.54	3.10	46.18
157	2083.33	2	SLE R	-33387.60	91.07	-287.40	0.00	78.54	2.87	42.83
158	2083.33	2	SLE R	-33261.20	91.07	-287.40	0.00	78.54	2.86	42.68
159	2142.86	2	SLE R	-31121.90	64.66	-204.05	0.00	78.54	2.64	39.45
160	2142.86	2	SLE R	-30995.30	64.66	-204.05	0.00	78.54	2.63	39.30
161	2202.38	2	SLE R	-28860.20	43.25	-136.49	0.00	78.54	2.42	36.20
162	2202.38	2	SLE R	-28733.40	43.25	-136.49	0.00	78.54	2.41	36.04
163	2261.90	2	SLE R	-26602.10	26.59	-83.91	0.00	78.54	2.21	33.05
164	2261.90	2	SLE R	-26475.10	26.59	-83.91	0.00	78.54	2.20	32.90
165	2321.43	2	SLE R	-24347.40	14.33	-45.22	0.00	78.54	2.00	30.02
166	2321.43	2	SLE R	-24220.20	14.33	-45.22	0.00	78.54	1.99	29.86
167	2380.95	2	SLE R	-22095.90	6.09	-19.21	0.00	78.54	1.81	27.08
168	2380.95	2	SLE R	-21968.30	6.09	-19.21	0.00	78.54	1.80	26.93
169	2440.48	2	SLE R	-19847.10	1.45	-4.58	0.00	78.54	1.62	24.23
170	2440.48	2	SLE R	-19719.30	1.45	-4.58	0.00	78.54	1.61	24.08
171	2500.00	2	SLE R	-17600.80	0.00	0.00	0.00	78.54	1.43	21.46
172	2500.00	2	SLE R	-17472.70	0.00	0.00	0.00	78.54	1.42	21.30
173	0.00	4	SLE Q	-115196.00	-12626.10	39844.60	34.56	43.98	36.18	497.58
174	0.00	4	SLE Q	-115196.00	-12626.10	39844.60	34.56	43.98	36.18	497.58
175	59.52	4	SLE Q	-114871.00	-13216.20	41706.60	34.56	43.98	38.08	522.06
176	59.52	4	SLE Q	-114742.00	-13216.20	41706.60	34.56	43.98	38.09	522.09
177	119.05	4	SLE Q	-112294.00	-13184.10	41605.50	34.56	43.98	38.09	521.44
178	119.05	4	SLE Q	-112165.00	-13184.10	41605.50	34.56	43.98	38.09	521.48
179	178.57	4	SLE Q	-109732.00	-12687.00	40036.80	34.56	43.98	36.58	501.30
180	178.57	4	SLE Q	-109603.00	-12687.00	40036.80	34.56	43.98	36.59	501.34
181	238.09	4	SLE Q	-107183.00	-11859.20	37424.50	34.56	43.98	34.02	467.54
182	238.09	4	SLE Q	-107055.00	-11859.20	37424.50	34.56	43.98	34.02	467.56
183	297.62	4	SLE Q	-104649.00	-10813.30	34123.80	34.56	43.98	30.83	425.55
184	297.62	4	SLE Q	-104521.00	-10813.30	34123.80	34.56	43.98	30.83	425.56
185	357.14	4	SLE Q	-102127.00	-9641.41	30425.60	28.27	50.27	27.39	380.13
186	357.14	4	SLE Q	-101999.00	-9641.41	30425.60	28.27	50.27	27.39	380.11
187	416.67	4	SLE Q	-99618.40	-8417.18	26562.30	28.27	50.27	24.02	335.26
188	416.67	4	SLE Q	-99491.00	-8417.18	26562.30	28.27	50.27	24.01	335.20
189	476.19	4	SLE Q	-97122.50	-7197.67	22713.90	21.99	56.55	20.92	293.86
190	476.19	4	SLE Q	-96995.30	-7197.67	22713.90	21.99	56.55	20.92	293.76
191	535.71	4	SLE Q	-94638.90	-6025.44	19014.60	15.71	62.83	18.23	257.56
192	535.71	4	SLE Q	-94511.90	-6025.44	19014.60	15.71	62.83	18.22	257.44
193	595.24	4	SLE Q	-92167.30	-4930.72	15560.00	3.14	75.40	15.96	226.71
194	595.24	4	SLE Q	-92040.60	-4930.72	15560.00	3.14	75.40	15.95	226.57
195	654.76	4	SLE Q	-89707.40	-3933.37	12412.60	0.00	78.54	14.03	200.39
196	654.76	4	SLE Q	-89580.90	-3933.37	12412.60	0.00	78.54	14.02	200.24
197	714.29	4	SLE Q	-87258.90	-3044.79	9608.53	0.00	78.54	12.31	176.85
198	714.29	4	SLE Q	-87132.60	-3044.79	9608.53	0.00	78.54	12.30	176.69
199	773.81	4	SLE Q	-84821.50	-2269.62	7162.30	0.00	78.54	10.78	155.94
200	773.81	4	SLE Q	-84695.30	-2269.62	7162.30	0.00	78.54	10.77	155.78
201	833.33	4	SLE Q	-82394.80	-1607.27	5072.10	0.00	78.54	9.45	137.65
202	833.33	4	SLE Q	-82268.80	-1607.27	5072.10	0.00	78.54	9.44	137.50
203	892.86	4	SLE Q	-79978.60	-1053.24	3323.75	0.00	78.54	8.31	121.89
204	892.86	4	SLE Q	-79852.80	-1053.24	3323.75	0.00	78.54	8.30	121.73
205	952.38	4	SLE Q	-77572.60	-600.29	1894.35	0.00	78.54	7.33	108.47
206	952.38	4	SLE Q	-77446.90	-600.29	1894.35	0.00	78.54	7.32	108.32
207	1011.90	4	SLE Q	-75176.40	-239.35	755.33	0.00	78.54	6.52	97.20
208	1011.90	4	SLE Q	-75050.80	-239.35	755.33	0.00	78.54	6.51	97.04
209	1071.43	4	SLE Q	-72789.80	39.66	-125.17	0.00	78.54	5.98	89.67
210	1071.43	4	SLE Q	-72664.20	39.66	-125.17	0.00	78.54	5.97	89.52
211	1130.95	4	SLE Q	-70412.30	247.26	-780.27	0.00	78.54	6.15	91.61
212	1130.95	4	SLE Q	-70286.90	247.26	-780.27	0.00	78.54	6.14	91.46
213	1190.48	4	SLE Q	-68043.90	393.86	-1242.91	0.00	78.54	6.21	92.14
214	1190.48	4	SLE Q	-67918.50	393.86	-1242.91	0.00	78.54	6.20	91.99
215	1250.00	4	SLE Q	-65684.10	489.48	-1544.67	0.00	78.54	6.18	91.49
216	1250.00	4	SLE Q	-65558.70	489.48	-1544.67	0.00	78.54	6.17	91.34
217	1309.52	4	SLE Q	-63332.60	543.45	-1714.97	0.00	78.54	6.08	89.88
218	1309.52	4	SLE Q	-63207.20	543.45	-1714.97	0.00	78.54	6.07	89.73
219	1369.05	4	SLE Q	-60989.10	564.25	-1780.61	0.00	78.54	5.92	87.51

220	1369.05	4	SLE Q	-60863.80	564.25	-1780.61	0.00	78.54	5.91	87.36
221	1428.57	4	SLE Q	-58653.40	559.44	-1765.43	0.00	78.54	5.73	84.55
222	1428.57	4	SLE Q	-58528.10	559.44	-1765.43	0.00	78.54	5.72	84.40
223	1488.10	4	SLE Q	-56325.20	535.59	-1690.18	0.00	78.54	5.50	81.15
224	1488.10	4	SLE Q	-56199.80	535.59	-1690.18	0.00	78.54	5.49	81.00
225	1547.62	4	SLE Q	-54004.10	498.34	-1572.63	0.00	78.54	5.24	77.46
226	1547.62	4	SLE Q	-53878.70	498.34	-1572.63	0.00	78.54	5.23	77.30
227	1607.14	4	SLE Q	-51689.80	452.38	-1427.58	0.00	78.54	4.98	73.56
228	1607.14	4	SLE Q	-51564.40	452.38	-1427.58	0.00	78.54	4.97	73.41
229	1666.67	4	SLE Q	-49382.10	401.55	-1267.18	0.00	78.54	4.70	69.57
230	1666.67	4	SLE Q	-49256.60	401.55	-1267.18	0.00	78.54	4.69	69.41
231	1726.19	4	SLE Q	-47080.70	348.92	-1101.08	0.00	78.54	4.42	65.53
232	1726.19	4	SLE Q	-46955.10	348.92	-1101.08	0.00	78.54	4.41	65.38
233	1785.71	4	SLE Q	-44785.30	296.86	-936.79	0.00	78.54	4.15	61.52
234	1785.71	4	SLE Q	-44659.60	296.86	-936.79	0.00	78.54	4.14	61.37
235	1845.24	4	SLE Q	-42495.50	247.14	-779.90	0.00	78.54	3.88	57.57
236	1845.24	4	SLE Q	-42369.70	247.14	-779.90	0.00	78.54	3.87	57.42
237	1904.76	4	SLE Q	-40211.20	201.03	-634.40	0.00	78.54	3.61	53.71
238	1904.76	4	SLE Q	-40085.20	201.03	-634.40	0.00	78.54	3.60	53.56
239	1964.29	4	SLE Q	-37931.90	159.37	-502.93	0.00	78.54	3.36	49.96
240	1964.29	4	SLE Q	-37805.80	159.37	-502.93	0.00	78.54	3.35	49.81
241	2023.81	4	SLE Q	-35657.50	122.64	-387.03	0.00	78.54	3.11	46.33
242	2023.81	4	SLE Q	-35531.20	122.64	-387.03	0.00	78.54	3.10	46.18
243	2083.33	4	SLE Q	-33387.60	91.07	-287.40	0.00	78.54	2.87	42.83
244	2083.33	4	SLE Q	-33261.20	91.07	-287.40	0.00	78.54	2.86	42.68
245	2142.86	4	SLE Q	-31121.90	64.66	-204.05	0.00	78.54	2.64	39.45
246	2142.86	4	SLE Q	-30995.30	64.66	-204.05	0.00	78.54	2.63	39.30
247	2202.38	4	SLE Q	-28860.20	43.25	-136.49	0.00	78.54	2.42	36.20
248	2202.38	4	SLE Q	-28733.40	43.25	-136.49	0.00	78.54	2.41	36.04
249	2261.90	4	SLE Q	-26602.10	26.59	-83.91	0.00	78.54	2.21	33.05
250	2261.90	4	SLE Q	-26475.10	26.59	-83.91	0.00	78.54	2.20	32.90
251	2321.43	4	SLE Q	-24347.40	14.33	-45.22	0.00	78.54	2.00	30.02
252	2321.43	4	SLE Q	-24220.20	14.33	-45.22	0.00	78.54	1.99	29.86
253	2380.95	4	SLE Q	-22095.90	6.09	-19.21	0.00	78.54	1.81	27.08
254	2380.95	4	SLE Q	-21968.30	6.09	-19.21	0.00	78.54	1.80	26.93
255	2440.48	4	SLE Q	-19847.10	1.45	-4.58	0.00	78.54	1.62	24.23
256	2440.48	4	SLE Q	-19719.30	1.45	-4.58	0.00	78.54	1.61	24.08
257	2500.00	4	SLE Q	-17600.80	0.00	0.00	0.00	78.54	1.43	21.46
258	2500.00	4	SLE Q	-17472.70	0.00	0.00	0.00	78.54	1.42	21.30

Stato limite d'esercizio – Verifiche a fessurazione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	c <mm>	s <mm>	K_2	Φ_{eq}	Δ_{sm} <mm>	A_s <cmq>	$A_{c\ eff}$ <cmq>	σ_s <daN/cmq>	ε_{sm}	Wk <mm>
173	0.00	4	SLE Q	-115196.00	39844.60	-12626.10	46.00	136.36	0.50	20.00	197.83	15.71	831.21	321.27	0.09	0.03
174	0.00	4	SLE Q	-115196.00	39844.60	-12626.10	46.00	136.36	0.50	20.00	197.83	15.71	831.21	321.27	0.09	0.03
175	59.52	4	SLE Q	-114871.00	41706.60	-13216.20	46.00	136.36	0.50	20.00	203.11	15.71	872.69	369.74	0.11	0.04
176	59.52	4	SLE Q	-114742.00	41706.60	-13216.20	46.00	136.36	0.50	20.00	203.23	15.71	873.61	370.53	0.11	0.04
177	119.05	4	SLE Q	-112294.00	41605.50	-13184.10	46.00	136.36	0.50	20.00	205.19	15.71	889.00	383.19	0.11	0.04
178	119.05	4	SLE Q	-112165.00	41605.50	-13184.10	46.00	136.36	0.50	20.00	205.31	15.71	889.91	384.01	0.11	0.04
179	178.57	4	SLE Q	-109732.00	40036.80	-12687.00	46.00	136.36	0.50	20.00	203.62	15.71	876.69	358.26	0.10	0.04
180	178.57	4	SLE Q	-109603.00	40036.80	-12687.00	46.00	136.36	0.50	20.00	203.75	15.71	877.64	359.06	0.10	0.04
181	238.09	4	SLE Q	-107183.00	37424.50	-11859.20	46.00	136.36	0.50	20.00	198.91	15.71	839.65	307.49	0.09	0.03
182	238.09	4	SLE Q	-107055.00	37424.50	-11859.20	46.00	136.36	0.50	20.00	199.04	15.71	840.70	308.23	0.09	0.03
183	297.62	4	SLE Q	-104649.00	34123.80	-10813.30	46.00	136.36	0.50	20.00	190.10	15.71	770.48	243.55	0.07	0.02
184	297.62	4	SLE Q	-104521.00	34123.80	-10813.30	46.00	136.36	0.50	20.00	190.28	15.71	771.88	244.19	0.07	0.02
185	357.14	4	SLE Q	-102127.00	30425.60	-9641.41	46.00	136.36	0.50	20.00	174.96	15.71	651.58	177.50	0.05	0.02
186	357.14	4	SLE Q	-101999.00	30425.60	-9641.41	46.00	136.36	0.50	20.00	175.18	15.71	653.33	178.02	0.05	0.02
187	416.67	4	SLE Q	-99618.40	26562.30	-8417.18	46.00	136.36	0.50	20.00	197.76	9.42	498.39	117.55	0.03	0.01
188	416.67	4	SLE Q	-99491.00	26562.30	-8417.18	46.00	136.36	0.50	20.00	198.13	9.42	500.13	117.95	0.03	0.01
189	476.19	4	SLE Q	-97122.50	22713.90	-7197.67	46.00	136.36	0.50	20.00	162.44	9.42	331.92	68.20	0.02	0.01
190	476.19	4	SLE Q	-96995.30	22713.90	-7197.67	46.00	136.36	0.50	20.00	162.76	9.42	333.46	68.50	0.02	0.01
191	535.71	4	SLE Q	-94638.90	19014.60	-6025.44	46.00	136.36	0.50	20.00	201.38	3.14	171.81	30.53	0.01	0.00
192	535.71	4	SLE Q	-94511.90	19014.60	-6025.44	46.00	136.36	0.50	20.00	202.18	3.14	173.07	30.75	0.01	0.00
259	0.00	3	SLE F	-115196.00	39844.60	-12626.10	46.00	136.36	0.50	20.00	197.83	15.71	831.21	321.27	0.09	0.03
260	0.00	3	SLE F	-115196.00	39844.60	-12626.10	46.00	136.36	0.50	20.00	197.83	15.71	831.21	321.27	0.09	0.03
261	59.52	3	SLE F	-114871.00	41706.60	-13216.20	46.00	136.36	0.50	20.00	203.11	15.71	872.69	369.74	0.11	0.04
262	59.52	3	SLE F	-114742.00	41706.60	-13216.20	46.00	136.36	0.50	20.00	203.23	15.71	873.61	370.53	0.11	0.04
263	119.05	3	SLE F	-112294.00	41605.50	-13184.10	46.00	136.36	0.50	20.00	205.19	15.71	889.00	383.19	0.11	0.04
264	119.05	3	SLE F	-112165.00	41605.50	-13184.10	46.00	136.36	0.50	20.00	205.31	15.71	889.91	384.01	0.11	0.04
265	178.57	3	SLE F	-109732.00	40036.80	-12687.00	46.00	136.36	0.50	20.00	203.62	15.71	876.69	358.26	0.10	0.04
266	178.57	3	SLE F	-109603.00	40036.80	-12687.00	46.00	136.36	0.50	20.00	203.75	15.71	877.64	359.06	0.10	0.04
267	238.09	3	SLE F	-107183.00	37424.50	-11859.20	46.00	136.36	0.50	20.00	198.91	15.71	839.65	307.49	0.09	0.03
268	238.09	3	SLE F	-107055.00	37424.50	-11859.20	46.00	136.36	0.50	20.00	199.04	15.71	840.70	308.23	0.09	0.03
269	297.62	3	SLE F	-104649.00	34123.80	-10813.30	46.00	136.36	0.50	20.00	190.10	15.71	770.48	243.55	0.07	0.02
270	297.62	3	SLE F	-104521.00	34123.80	-10813.30	46.00	136.36	0.50	20.00	190.28	15.71	771.88	244.19	0.07	0.02
271	357.14	3	SLE F	-102127.00	30425.60	-9641.41	46.00	136.36	0.50	20.00	174.96	15.71	651.58	177.50	0.05	0.02
272	357.14	3	SLE F	-101999.00	30425.60	-9641.41	46.00	136.36	0.50	20.00	175.18	15.71	653.33	178.02	0.05	0.02

273	416.67	3	SLE F	-99618.40	26562.30	-8417.18	46.00	136.36	0.50	20.00	197.76	9.42	498.39	117.55	0.03	0.01
274	416.67	3	SLE F	-99491.00	26562.30	-8417.18	46.00	136.36	0.50	20.00	198.13	9.42	500.13	117.95	0.03	0.01
275	476.19	3	SLE F	-97122.50	22713.90	-7197.67	46.00	136.36	0.50	20.00	162.44	9.42	331.92	68.20	0.02	0.01
276	476.19	3	SLE F	-96995.30	22713.90	-7197.67	46.00	136.36	0.50	20.00	162.76	9.42	333.46	68.50	0.02	0.01
277	535.71	3	SLE F	-94638.90	19014.60	-6025.44	46.00	136.36	0.50	20.00	201.38	3.14	171.81	30.53	0.01	0.00
278	535.71	3	SLE F	-94511.90	19014.60	-6025.44	46.00	136.36	0.50	20.00	202.18	3.14	173.07	30.75	0.01	0.00

Verifiche principali

Caso	Tipo
6	SLU N cost - min. sic.
15	SLU Taglio - min. sic. c.a.,SLU Taglio - min. sic. acciaio
90	C.Rare - Sf min (max compr.)
92	C.Rare - Sc min (max compr.),C.Rare - Sf max (max traz.)
110	C.Rare - Sc max (min. compr.)
176	C.Q.Per. - Sf min (max compr.)
178	C.Q.Per. - Sc min (max compr.),C.Q.Per. - Sf max (max traz.),C.Q.Per. - Wk Max
196	C.Q.Per. - Sc max (min. compr.)
264	C.Freq - Wk Max

Palo n. 9

Caratteristiche del palo e dei materiali utilizzati

R <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
60.00	6.00	C30/37	307.10	20.59	174.02	13.73	B450C	4300.00	3913.04

Le sollecitazioni nei pali vengono calcolate oltre che per l'effetto delle reazioni vincolari anche considerando i seguenti effetti

Azioni ed effetti comuni

Az	N <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
PP	0.00	0.00	0.00	
SVR	0.00			

Azioni ed effetti - Plinto/Palo n. 9 (-23)

Caso	CC	TCC	Az	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	RVN	89766.80	7523.81	488.84	51299.80	3340.54
	1	SLU	TAG				0.00	0.00
	1	SLU	ECC				0.00	0.00
	1	SLU	TOT	89766.80	7523.81	488.84	51299.80	3340.54
2	2	SLE R	RVN	66493.90	5573.19	362.10	37999.90	2474.47
	2	SLE R	TAG				0.00	0.00
	2	SLE R	ECC				0.00	0.00
	2	SLE R	TOT	66493.90	5573.19	362.10	37999.90	2474.47
3	3	SLE F	RVN	66493.90	5573.19	362.10	37999.90	2474.47
	3	SLE F	TAG				0.00	0.00
	3	SLE F	ECC				0.00	0.00
	3	SLE F	TOT	66493.90	5573.19	362.10	37999.90	2474.47
4	4	SLE Q	RVN	66493.90	5573.19	362.10	37999.90	2474.47
	4	SLE Q	TAG				0.00	0.00
	4	SLE Q	ECC				0.00	0.00
	4	SLE Q	TOT	66493.90	5573.19	362.10	37999.90	2474.47

Sollecitazioni nei pali

Caso	CC	TCC	Palo	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	1	-89766.80	-7523.81	-488.84	-51299.80	-3340.54
2	2	SLE R	1	-66493.90	-5573.19	-362.10	-37999.90	-2474.47
3	3	SLE F	1	-66493.90	-5573.19	-362.10	-37999.90	-2474.47
4	4	SLE Q	1	-66493.90	-5573.19	-362.10	-37999.90	-2474.47

Da 0 a -25

Stato limite ultimo - Verifiche a flessione/pressoflessione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	Rott.	α <grad>	Sic.
1	0.00	1	SLU	-89766.80	50737.30	-3303.91	-89766.80	183363.00	-11949.00	2-3	183.75	3.614
2	59.52	1	SLU	-89613.80	53646.80	-3493.37	-89613.80	183298.00	-11944.60	2-3	183.75	3.417
3	119.05	1	SLU	-87636.30	53902.40	-3510.01	-87636.30	182513.00	-11891.50	2-3	183.75	3.386
4	178.57	1	SLU	-85669.90	52159.80	-3396.53	-85669.90	181730.00	-11838.60	2-3	183.75	3.484
5	238.09	1	SLU	-83714.40	48982.10	-3189.61	-83714.40	180950.00	-11786.00	2-3	183.75	3.694
6	297.62	1	SLU	-81769.50	44843.00	-2920.08	-81769.50	180175.00	-11733.70	2-3	183.75	4.018
7	357.14	1	SLU	-79835.00	40131.80	-2613.30	-79835.00	179404.00	-11681.60	2-3	183.75	4.470
8	416.67	1	SLU	-77910.70	35161.00	-2289.61	-77910.70	178631.00	-11629.70	2-3	183.75	5.080

9	476.19	1	SLU	-75996.20	30174.00	-1964.87	-75996.20	177862.00	-11578.10	2-3	183.75	5.895
10	535.71	1	SLU	-74091.40	25353.80	-1650.99	-74091.40	177097.00	-11526.70	2-3	183.75	6.985
11	595.24	1	SLU	-72196.00	20831.60	-1356.51	-72196.00	176335.00	-11475.60	2-3	183.75	8.465
12	654.76	1	SLU	-70309.70	16695.00	-1087.14	-70309.70	175575.00	-11424.70	2-3	183.75	10.517
13	714.29	1	SLU	-68432.40	12995.90	-846.26	-68432.40	174816.00	-11374.20	2-3	183.75	13.452
14	773.81	1	SLU	-66563.80	9757.33	-635.38	-66563.80	174059.00	-11323.80	2-3	183.75	17.839
15	833.33	1	SLU	-64703.60	6980.25	-454.54	-64703.60	173306.00	-11273.70	2-3	183.75	24.828
16	892.86	1	SLU	-62851.60	4648.68	-302.71	-62851.60	172556.00	-11223.80	2-3	183.75	37.119
17	952.38	1	SLU	-61007.60	2734.70	-178.08	-2571250.00	171807.00	-11174.20	2-3	183.75	42.146
18	1011.90	1	SLU	-59171.40	1202.42	-78.30	-2571250.00	171058.00	-11124.90	2-3	183.75	43.454
19	1071.43	1	SLU	-57342.60	11.24	-0.73	-2571250.00	170312.00	-11075.80	2-3	183.75	44.840
20	1130.95	1	SLU	-55521.20	-881.50	57.40	-2571250.00	-169545.00	11103.40	2-3	3.75	46.311
21	1190.48	1	SLU	-53706.80	-1518.49	98.88	-2571250.00	-168822.00	11056.20	2-3	3.75	47.876
22	1250.00	1	SLU	-51899.20	-1940.87	126.39	-2571250.00	-168101.00	11009.20	2-3	3.75	49.543
23	1309.52	1	SLU	-50098.20	-2187.20	142.43	-2571250.00	-167380.00	10962.90	2-3	3.75	51.324
24	1369.05	1	SLU	-48303.60	-2292.67	149.29	-2571250.00	-166661.00	10916.80	2-3	3.75	53.231
25	1428.57	1	SLU	-46515.10	-2288.73	149.04	-2571250.00	-165944.00	10870.70	2-3	3.75	55.278
26	1488.10	1	SLU	-44732.50	-2202.90	143.45	-2571250.00	-165230.00	10824.80	2-3	3.75	57.481
27	1547.62	1	SLU	-42955.60	-2058.72	134.06	-2571250.00	-164517.00	10779.00	2-3	3.75	59.858
28	1607.14	1	SLU	-41184.10	-1875.99	122.16	-2571250.00	-163806.00	10733.50	2-3	3.75	62.433
29	1666.67	1	SLU	-39417.90	-1670.95	108.81	-2571250.00	-163095.00	10688.50	2-3	3.75	65.231
30	1726.19	1	SLU	-37656.60	-1456.59	94.85	-2571250.00	-162386.00	10643.50	2-3	3.75	68.281
31	1785.71	1	SLU	-35900.20	-1243.07	80.95	-2571250.00	-161678.00	10598.60	2-3	3.75	71.622
32	1845.24	1	SLU	-34148.30	-1038.00	67.59	-2571250.00	-160972.00	10553.90	2-3	3.75	75.296
33	1904.76	1	SLU	-32400.70	-846.89	55.15	-2571250.00	-160267.00	10509.20	2-3	3.75	79.358
34	1964.29	1	SLU	-30657.30	-673.45	43.85	-2571250.00	-159563.00	10464.80	2-3	3.75	83.871
35	2023.81	1	SLU	-28917.70	-519.90	33.85	-2571250.00	-158860.00	10420.70	2-3	3.75	88.916
36	2083.33	1	SLU	-27181.90	-387.34	25.22	-2571250.00	-158151.00	10344.70	2-3	3.75	94.594
37	2142.86	1	SLU	-25449.40	-275.97	17.97	-2571250.00	-157437.00	10227.80	2-3	3.75	>100
38	2202.38	1	SLU	-23720.20	-185.30	12.07	-2571250.00	-156705.00	10160.90	2-3	3.75	>100
39	2261.90	1	SLU	-21994.10	-114.36	7.45	-2571250.00	-155966.00	10114.10	2-3	3.75	>100
40	2321.43	1	SLU	-20270.70	-61.90	4.03	-2571250.00	-155225.00	10067.60	2-3	3.75	>100
41	2380.95	1	SLU	-18549.80	-26.42	1.72	-2571250.00	-154484.00	10021.20	2-3	3.75	>100
42	2440.48	1	SLU	-16831.40	-6.33	0.41	-2571250.00	-153744.00	9974.80	2-3	3.75	>100
43	2500.00	1	SLU	-15115.10	0.00	0.00	-2571250.00					>100

Stato limite ultimo - Verifiche a taglio

Caso	X <cm>	CC	TCC	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1	0.00	1	SLU	7523.81	488.84	0.85	11.31	7539.68	1.00	32294.70	344526.00	32294.70	4.283
2	59.52	1	SLU	2462.09	159.97	0.85	11.31	2467.28	1.00	32294.70	344504.00	32294.70	13.089
3	119.05	1	SLU	-1419.76	-92.24	0.85	11.31	1422.76	1.00	32294.70	344221.00	32294.70	22.699
4	178.57	1	SLU	-4278.06	-277.95	0.85	11.31	4287.08	1.00	32294.70	343939.00	32294.70	7.533
5	238.09	1	SLU	-6266.69	-407.16	0.85	11.31	6279.90	1.00	32294.70	343659.00	32294.70	5.143
6	297.62	1	SLU	-7532.19	-489.38	0.85	11.31	7548.07	1.00	32294.70	343381.00	32294.70	4.279
7	357.14	1	SLU	-8210.33	-533.44	0.85	11.31	8227.64	1.00	32294.70	343104.00	32294.70	3.925
8	416.67	1	SLU	-8423.94	-547.32	0.85	11.31	8441.70	1.00	32294.70	342828.00	32294.70	3.826
9	476.19	1	SLU	-8281.73	-538.08	0.85	11.31	8299.19	1.00	32294.70	342554.00	32294.70	3.891
10	535.71	1	SLU	-7877.96	-511.85	0.85	11.31	7894.57	1.00	32294.70	342281.00	32294.70	4.091
11	595.24	1	SLU	-7292.64	-473.82	0.85	11.31	7308.02	1.00	32294.70	342009.00	32294.70	4.419
12	654.76	1	SLU	-6592.26	-428.31	0.85	11.31	6606.16	1.00	32294.70	341739.00	32294.70	4.889
13	714.29	1	SLU	-5830.78	-378.84	0.85	11.31	5843.07	1.00	32294.70	341470.00	32294.70	5.527
14	773.81	1	SLU	-5050.81	-328.16	0.85	11.31	5061.46	1.00	32294.70	341203.00	32294.70	6.381
15	833.33	1	SLU	-4284.97	-278.40	0.85	11.31	4294.00	1.00	32294.70	340936.00	32294.70	7.521
16	892.86	1	SLU	-3557.19	-231.12	0.85	11.31	3564.69	1.00	32294.70	340671.00	32294.70	9.060
17	952.38	1	SLU	-2884.03	-187.38	0.85	11.31	2890.11	1.00	32294.70	340407.00	32294.70	11.174
18	1011.90	1	SLU	-2275.97	-147.87	0.85	11.31	2280.76	1.00	32294.70	340144.00	32294.70	14.160
19	1071.43	1	SLU	-1738.49	-112.95	0.85	11.31	1742.15	1.00	32294.70	339882.00	32294.70	18.537
20	1130.95	1	SLU	-1273.19	-82.72	0.85	11.31	1275.87	1.00	32294.70	339621.00	32294.70	25.312
21	1190.48	1	SLU	-878.68	-57.09	0.85	11.31	880.53	1.00	32294.70	339361.00	32294.70	36.676
22	1250.00	1	SLU	-551.37	-35.82	0.85	11.31	552.53	1.00	32294.70	339102.00	32294.70	58.449
23	1309.52	1	SLU	-286.17	-18.59	0.85	11.31	286.77	1.00	32294.70	338844.00	32294.70	>100
24	1369.05	1	SLU	-77.04	-5.01	0.85	11.31	77.20	1.00	32294.70	338587.00	32294.70	>100
25	1428.57	1	SLU	82.55	5.36	0.85	11.31	82.73	1.00	32294.70	338331.00	32294.70	>100
26	1488.10	1	SLU	199.27	12.95	0.85	11.31	199.69	1.00	32294.70	338076.00	32294.70	>100
27	1547.62	1	SLU	279.63	18.17	0.85	11.31	280.22	1.00	32294.70	337821.00	32294.70	>100
28	1607.14	1	SLU	329.81	21.43	0.85	11.31	330.51	1.00	32294.70	337567.00	32294.70	97.712
29	1666.67	1	SLU	355.52	23.10	0.85	11.31	356.27	1.00	32294.70	337314.00	32294.70	90.645
30	1726.19	1	SLU	361.89	23.51	0.85	11.31	362.65	1.00	32294.70	337062.00	32294.70	89.051
31	1785.71	1	SLU	353.44	22.96	0.85	11.31	354.18	1.00	32294.70	336810.00	32294.70	91.181
32	1845.24	1	SLU	334.06	21.70	0.85	11.31	334.76	1.00	32294.70	336559.00	32294.70	96.470
33	1904.76	1	SLU	307.05	19.95	0.85	11.31	307.70	1.00	32294.70	336309.00	32294.70	>100
34	1964.29	1	SLU	275.13	17.88	0.85	11.31	275.71	1.00	32294.70	336059.00	32294.70	>100
35	2023.81	1	SLU	240.49	15.63	0.85	11.31	241.00	1.00	32294.70	335810.00	32294.70	>100
36	2083.33	1	SLU	204.85	13.31	0.85	11.31	205.28	1.00	32294.70	335562.00	32294.70	>100
37	2142.86	1	SLU	169.51	11.01	0.85	11.31	169.87	1.00	32294.70	335313.00	32294.70	>100
38	2202.38	1	SLU	135.43	8.80	0.85	11.31	135.72	1.00	32294.70	335066.00	32294.70	>100

39	2261.90	1	SLU	103.26	6.71	0.85	11.31	103.48	1.00	32294.70	334819.00	32294.70	>100
40	2321.43	1	SLU	73.45	4.77	0.85	11.31	73.60	1.00	32294.70	334572.00	32294.70	>100
41	2380.95	1	SLU	46.22	3.00	0.85	11.31	46.32	1.00	32294.70	334325.00	32294.70	>100
42	2440.48	1	SLU	21.73	1.41	0.85	11.31	21.77	1.00	32294.70	334079.00	32294.70	>100

Verifiche stato limite d'esercizio

Caso	X <cm>	CC	TCC	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ_c <daN/cmq>	σ_f <daN/cmq>
44	0.00	2	SLE R	-66493.90	-2447.34	37583.20	40.84	37.70	34.77	580.61
45	59.52	2	SLE R	-66616.40	-2587.68	39738.40	40.84	37.70	37.05	651.84
46	119.05	2	SLE R	-65186.90	-2600.01	39927.70	40.84	37.70	37.36	673.40
47	178.57	2	SLE R	-63765.70	-2515.95	38636.90	40.84	37.70	36.10	644.35
48	238.09	2	SLE R	-62352.60	-2362.67	36283.00	40.84	37.70	33.71	579.29
49	297.62	2	SLE R	-60947.30	-2163.02	33217.00	40.84	37.70	30.57	491.52
50	357.14	2	SLE R	-59549.90	-1935.78	29727.30	40.84	37.70	26.98	392.78
51	416.67	2	SLE R	-58160.00	-1696.01	26045.20	40.84	37.70	23.23	315.33
52	476.19	2	SLE R	-56777.40	-1455.46	22351.10	34.56	43.98	19.55	267.73
53	535.71	2	SLE R	-55402.10	-1222.95	18780.60	34.56	43.98	16.18	223.63
54	595.24	2	SLE R	-54033.80	-1004.82	15430.80	28.27	50.27	13.29	185.44
55	654.76	2	SLE R	-52672.40	-805.29	12366.70	21.99	56.55	10.97	154.45
56	714.29	2	SLE R	-51317.60	-626.86	9626.56	9.42	69.11	9.18	130.36
57	773.81	2	SLE R	-49969.40	-470.65	7227.65	0.00	78.54	7.80	111.52
58	833.33	2	SLE R	-48627.50	-336.70	5170.55	0.00	78.54	6.63	95.49
59	892.86	2	SLE R	-47291.80	-224.23	3443.47	0.00	78.54	5.63	81.77
60	952.38	2	SLE R	-45962.10	-131.91	2025.71	0.00	78.54	4.78	70.22
61	1011.90	2	SLE R	-44638.20	-58.00	890.68	0.00	78.54	4.09	60.66
62	1071.43	2	SLE R	-43320.00	-0.54	8.33	0.00	78.54	3.53	52.88
63	1130.95	2	SLE R	-42007.30	42.52	-652.97	0.00	78.54	3.75	55.82
64	1190.48	2	SLE R	-40700.00	73.25	-1124.81	0.00	78.54	3.89	57.56
65	1250.00	2	SLE R	-39397.80	93.62	-1437.68	0.00	78.54	3.95	58.18
66	1309.52	2	SLE R	-38100.60	105.50	-1620.14	0.00	78.54	3.94	57.88
67	1369.05	2	SLE R	-36808.20	110.59	-1698.27	0.00	78.54	3.87	56.86
68	1428.57	2	SLE R	-35520.50	110.40	-1695.36	0.00	78.54	3.76	55.27
69	1488.10	2	SLE R	-34237.30	106.26	-1631.77	0.00	78.54	3.63	53.25
70	1547.62	2	SLE R	-32958.50	99.30	-1524.98	0.00	78.54	3.47	50.94
71	1607.14	2	SLE R	-31683.80	90.49	-1389.63	0.00	78.54	3.29	48.43
72	1666.67	2	SLE R	-30413.20	80.60	-1237.74	0.00	78.54	3.11	45.81
73	1726.19	2	SLE R	-29146.50	70.26	-1078.96	0.00	78.54	2.93	43.15
74	1785.71	2	SLE R	-27883.40	59.96	-920.79	0.00	78.54	2.74	40.49
75	1845.24	2	SLE R	-26623.90	50.07	-768.89	0.00	78.54	2.56	37.88
76	1904.76	2	SLE R	-25367.70	40.85	-627.33	0.00	78.54	2.39	35.35
77	1964.29	2	SLE R	-24114.80	32.48	-498.85	0.00	78.54	2.22	32.92
78	2023.81	2	SLE R	-22864.90	25.08	-385.11	0.00	78.54	2.06	30.59
79	2083.33	2	SLE R	-21618.00	18.68	-286.92	0.00	78.54	1.91	28.38
80	2142.86	2	SLE R	-20373.80	13.31	-204.42	0.00	78.54	1.76	26.28
81	2202.38	2	SLE R	-19132.10	8.94	-137.26	0.00	78.54	1.63	24.30
82	2261.90	2	SLE R	-17892.90	5.52	-84.71	0.00	78.54	1.50	22.41
83	2321.43	2	SLE R	-16656.00	2.99	-45.85	0.00	78.54	1.38	20.63
84	2380.95	2	SLE R	-15421.20	1.27	-19.57	0.00	78.54	1.26	18.94
85	2440.48	2	SLE R	-14188.30	0.31	-4.69	0.00	78.54	1.16	17.33
86	2500.00	2	SLE R	-12957.30	0.00	0.00	0.00	78.54	1.05	15.80
87	0.00	4	SLE Q	-66493.90	-2447.34	37583.20	40.84	37.70	34.77	580.61
88	59.52	4	SLE Q	-66616.40	-2587.68	39738.40	40.84	37.70	37.05	651.84
89	119.05	4	SLE Q	-65186.90	-2600.01	39927.70	40.84	37.70	37.36	673.40
90	178.57	4	SLE Q	-63765.70	-2515.95	38636.90	40.84	37.70	36.10	644.35
91	238.09	4	SLE Q	-62352.60	-2362.67	36283.00	40.84	37.70	33.71	579.29
92	297.62	4	SLE Q	-60947.30	-2163.02	33217.00	40.84	37.70	30.57	491.52
93	357.14	4	SLE Q	-59549.90	-1935.78	29727.30	40.84	37.70	26.98	392.78
94	416.67	4	SLE Q	-58160.00	-1696.01	26045.20	40.84	37.70	23.23	315.33
95	476.19	4	SLE Q	-56777.40	-1455.46	22351.10	34.56	43.98	19.55	267.73
96	535.71	4	SLE Q	-55402.10	-1222.95	18780.60	34.56	43.98	16.18	223.63
97	595.24	4	SLE Q	-54033.80	-1004.82	15430.80	28.27	50.27	13.29	185.44
98	654.76	4	SLE Q	-52672.40	-805.29	12366.70	21.99	56.55	10.97	154.45
99	714.29	4	SLE Q	-51317.60	-626.86	9626.56	9.42	69.11	9.18	130.36
100	773.81	4	SLE Q	-49969.40	-470.65	7227.65	0.00	78.54	7.80	111.52
101	833.33	4	SLE Q	-48627.50	-336.70	5170.55	0.00	78.54	6.63	95.49
102	892.86	4	SLE Q	-47291.80	-224.23	3443.47	0.00	78.54	5.63	81.77
103	952.38	4	SLE Q	-45962.10	-131.91	2025.71	0.00	78.54	4.78	70.22
104	1011.90	4	SLE Q	-44638.20	-58.00	890.68	0.00	78.54	4.09	60.66
105	1071.43	4	SLE Q	-43320.00	-0.54	8.33	0.00	78.54	3.53	52.88
106	1130.95	4	SLE Q	-42007.30	42.52	-652.97	0.00	78.54	3.75	55.82
107	1190.48	4	SLE Q	-40700.00	73.25	-1124.81	0.00	78.54	3.89	57.56
108	1250.00	4	SLE Q	-39397.80	93.62	-1437.68	0.00	78.54	3.95	58.18
109	1309.52	4	SLE Q	-38100.60	105.50	-1620.14	0.00	78.54	3.94	57.88
110	1369.05	4	SLE Q	-36808.20	110.59	-1698.27	0.00	78.54	3.87	56.86
111	1428.57	4	SLE Q	-35520.50	110.40	-1695.36	0.00	78.54	3.76	55.27
112	1488.10	4	SLE Q	-34237.30	106.26	-1631.77	0.00	78.54	3.63	53.25

113	1547.62	4	SLE Q	-32958.50	99.30	-1524.98	0.00	78.54	3.47	50.94
114	1607.14	4	SLE Q	-31683.80	90.49	-1389.63	0.00	78.54	3.29	48.43
115	1666.67	4	SLE Q	-30413.20	80.60	-1237.74	0.00	78.54	3.11	45.81
116	1726.19	4	SLE Q	-29146.50	70.26	-1078.96	0.00	78.54	2.93	43.15
117	1785.71	4	SLE Q	-27883.40	59.96	-920.79	0.00	78.54	2.74	40.49
118	1845.24	4	SLE Q	-26623.90	50.07	-768.89	0.00	78.54	2.56	37.88
119	1904.76	4	SLE Q	-25367.70	40.85	-627.33	0.00	78.54	2.39	35.35
120	1964.29	4	SLE Q	-24114.80	32.48	-498.85	0.00	78.54	2.22	32.92
121	2023.81	4	SLE Q	-22864.90	25.08	-385.11	0.00	78.54	2.06	30.59
122	2083.33	4	SLE Q	-21618.00	18.68	-286.92	0.00	78.54	1.91	28.38
123	2142.86	4	SLE Q	-20373.80	13.31	-204.42	0.00	78.54	1.76	26.28
124	2202.38	4	SLE Q	-19132.10	8.94	-137.26	0.00	78.54	1.63	24.30
125	2261.90	4	SLE Q	-17892.90	5.52	-84.71	0.00	78.54	1.50	22.41
126	2321.43	4	SLE Q	-16656.00	2.99	-45.85	0.00	78.54	1.38	20.63
127	2380.95	4	SLE Q	-15421.20	1.27	-19.57	0.00	78.54	1.26	18.94
128	2440.48	4	SLE Q	-14188.30	0.31	-4.69	0.00	78.54	1.16	17.33
129	2500.00	4	SLE Q	-12957.30	0.00	0.00	0.00	78.54	1.05	15.80

Stato limite d'esercizio – Verifiche a fessurazione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	c <mm>	s <mm>	K_2	Φ_{eq}	Δ_{sm} <mm>	A_s <cmq>	$A_{c\ eff}$ <cmq>	σ_s <daN/cmq>	ε_{sm}	Wk <mm>
87	0.00	4	SLE Q	-66493.90	37583.20	-2447.34	46.00	136.36	0.50	20.00	192.83	21.99	1108.68	580.61	0.17	0.06
88	59.52	4	SLE Q	-66616.40	39738.40	-2587.68	46.00	136.36	0.50	20.00	194.67	21.99	1128.93	651.84	0.19	0.06
89	119.05	4	SLE Q	-65186.90	39927.70	-2600.01	46.00	136.36	0.50	20.00	195.51	21.99	1138.16	673.40	0.20	0.07
90	178.57	4	SLE Q	-63765.70	38636.90	-2515.95	46.00	136.36	0.50	20.00	195.17	21.99	1134.44	644.35	0.19	0.06
91	238.09	4	SLE Q	-62352.60	36283.00	-2362.67	46.00	136.36	0.50	20.00	193.85	21.99	1119.86	579.29	0.17	0.06
92	297.62	4	SLE Q	-60947.30	33217.00	-2163.02	46.00	136.36	0.50	20.00	191.48	21.99	1093.84	491.52	0.14	0.05
93	357.14	4	SLE Q	-59549.90	29727.30	-1935.78	46.00	136.36	0.50	20.00	187.84	21.99	1053.86	392.78	0.11	0.04
94	416.67	4	SLE Q	-58160.00	26045.20	-1696.01	46.00	136.36	0.50	20.00	218.57	15.71	994.07	293.35	0.09	0.03
95	476.19	4	SLE Q	-56777.40	22351.10	-1455.46	46.00	136.36	0.50	20.00	207.26	15.71	905.25	202.14	0.06	0.02
96	535.71	4	SLE Q	-55402.10	18780.60	-1222.95	46.00	136.36	0.50	20.00	189.66	15.71	767.03	126.18	0.04	0.01
97	595.24	4	SLE Q	-54033.80	15430.80	-1004.82	46.00	136.36	0.50	20.00	205.61	9.42	535.38	69.27	0.02	0.01
98	654.76	4	SLE Q	-52672.40	12366.70	-805.29	46.00	136.36	0.50	20.00	153.41	9.42	289.38	30.67	0.01	0.00
130	0.00	3	SLE F	-66493.90	37583.20	-2447.34	46.00	136.36	0.50	20.00	192.83	21.99	1108.68	580.61	0.17	0.06
131	59.52	3	SLE F	-66616.40	39738.40	-2587.68	46.00	136.36	0.50	20.00	194.67	21.99	1128.93	651.84	0.19	0.06
132	119.05	3	SLE F	-65186.90	39927.70	-2600.01	46.00	136.36	0.50	20.00	195.51	21.99	1138.16	673.40	0.20	0.07
133	178.57	3	SLE F	-63765.70	38636.90	-2515.95	46.00	136.36	0.50	20.00	195.17	21.99	1134.44	644.35	0.19	0.06
134	238.09	3	SLE F	-62352.60	36283.00	-2362.67	46.00	136.36	0.50	20.00	193.85	21.99	1119.86	579.29	0.17	0.06
135	297.62	3	SLE F	-60947.30	33217.00	-2163.02	46.00	136.36	0.50	20.00	191.48	21.99	1093.84	491.52	0.14	0.05
136	357.14	3	SLE F	-59549.90	29727.30	-1935.78	46.00	136.36	0.50	20.00	187.84	21.99	1053.86	392.78	0.11	0.04
137	416.67	3	SLE F	-58160.00	26045.20	-1696.01	46.00	136.36	0.50	20.00	218.57	15.71	994.07	293.35	0.09	0.03
138	476.19	3	SLE F	-56777.40	22351.10	-1455.46	46.00	136.36	0.50	20.00	207.26	15.71	905.25	202.14	0.06	0.02
139	535.71	3	SLE F	-55402.10	18780.60	-1222.95	46.00	136.36	0.50	20.00	189.66	15.71	767.03	126.18	0.04	0.01
140	595.24	3	SLE F	-54033.80	15430.80	-1004.82	46.00	136.36	0.50	20.00	205.61	9.42	535.38	69.27	0.02	0.01
141	654.76	3	SLE F	-52672.40	12366.70	-805.29	46.00	136.36	0.50	20.00	153.41	9.42	289.38	30.67	0.01	0.00

Verifiche principali

Caso	Tipo
3	SLU N cost – min. sic.
8	SLU Taglio – min. sic. c.a.,SLU Taglio – min. sic. acciaio
46	C.Rare – Sc min (max compr.),C.Rare – Sf max (max traz.),C.Rare – Sf min (max compr.)
57	C.Rare – Sc max (min. compr.)
89	C.Q.Per. – Sc min (max compr.),C.Q.Per. – Sf max (max traz.),C.Q.Per. – Sf min (max compr.),C.Q.Per. – Wk Max
100	C.Q.Per. – Sc max (min. compr.)
132	C.Freq – Wk Max

Palo n. 10

Caratteristiche del palo e dei materiali utilizzati

R <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
60.00	6.00	C30/37	307.10	20.59	174.02	13.73	B450C	4300.00	3913.04

Le sollecitazioni nei pali vengono calcolate oltre che per l'effetto delle reazioni vincolari anche considerando i seguenti effetti

Azioni ed effetti comuni

Az	N <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
PP	0.00	0.00	0.00	
SVR	0.00			

Azioni ed effetti – Plinto/Palo n. 10 (-17)

Caso	CC	TCC	Az	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	RVN	65554.50	7662.05	8.59	47332.00	180.34
	1	SLU	TAG				0.00	0.00
	1	SLU	ECC				0.00	0.00

	1	SLU	TOT	65554.50	7662.05	8.59	47332.00	180.34
2	2	SLE R	RVN	48558.90	5675.59	6.36	35060.70	133.59
	2	SLE R	TAG				0.00	0.00
	2	SLE R	ECC				0.00	0.00
	2	SLE R	TOT	48558.90	5675.59	6.36	35060.70	133.59
3	3	SLE F	RVN	48558.90	5675.59	6.36	35060.70	133.59
	3	SLE F	TAG				0.00	0.00
	3	SLE F	ECC				0.00	0.00
	3	SLE F	TOT	48558.90	5675.59	6.36	35060.70	133.59
4	4	SLE Q	RVN	48558.90	5675.59	6.36	35060.70	133.59
	4	SLE Q	TAG				0.00	0.00
	4	SLE Q	ECC				0.00	0.00
	4	SLE Q	TOT	48558.90	5675.59	6.36	35060.70	133.59

Sollecitazioni nei pali

Caso	CC	TCC	Palo	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	1	-65554.50	-7662.05	-8.59	-47332.00	-180.34
2	2	SLE R	1	-48558.90	-5675.59	-6.36	-35060.70	-133.59
3	3	SLE F	1	-48558.90	-5675.59	-6.36	-35060.70	-133.59
4	4	SLE Q	1	-48558.90	-5675.59	-6.36	-35060.70	-133.59

Da 0 a -25

Stato limite ultimo - Verifiche a flessione/pressoflessione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	Rott.	α <grad>	Sic.
1	0.00	1	SLU	-65554.50	46792.60	-178.28	-65554.50	174086.00	-857.25	2-3	180.00	3.720
2	59.52	1	SLU	-65688.20	49847.40	-189.92	-65688.20	174139.00	-854.82	2-3	180.00	3.493
3	119.05	1	SLU	-64280.80	50348.10	-191.83	-64280.80	173582.00	-880.37	2-3	180.00	3.448
4	178.57	1	SLU	-62881.60	48916.70	-186.38	-62881.60	173018.00	-877.34	2-3	180.00	3.537
5	238.09	1	SLU	-61490.30	46088.60	-175.60	-61490.30	172448.00	-848.64	2-3	180.00	3.742
6	297.62	1	SLU	-60106.90	42315.40	-161.22	-60106.90	171881.00	-820.26	2-3	180.00	4.062
7	357.14	1	SLU	-58731.10	37969.10	-144.67	-58731.10	171318.00	-792.22	2-3	180.00	4.512
8	416.67	1	SLU	-57362.80	33349.40	-127.06	-57362.80	170757.00	-764.49	2-3	180.00	5.120
9	476.19	1	SLU	-56001.70	28690.50	-109.31	-56001.70	170199.00	-737.06	2-3	180.00	5.932
10	535.71	1	SLU	-54647.70	24169.40	-92.09	-54647.70	169644.00	-709.93	2-3	180.00	7.019
11	595.24	1	SLU	-53300.70	19913.90	-75.87	-53300.70	169089.00	-681.23	2-3	180.00	8.491
12	654.76	1	SLU	-51960.50	16010.10	-61.00	-51960.50	168536.00	-652.43	2-3	180.00	10.527
13	714.29	1	SLU	-50626.80	12509.90	-47.66	-50626.80	167986.00	-623.93	2-3	180.00	13.428
14	773.81	1	SLU	-49299.60	9438.00	-35.96	-49299.60	167438.00	-595.73	2-3	180.00	17.741
15	833.33	1	SLU	-47978.60	6797.20	-25.90	-47978.60	166893.00	-567.83	2-3	180.00	24.553
16	892.86	1	SLU	-46663.80	4574.33	-17.43	-46663.80	166350.00	-540.21	2-3	180.00	36.366
17	952.38	1	SLU	-45354.80	2744.46	-10.46	-2571250.00	165809.00	-512.87	2-3	180.00	56.692
18	1011.90	1	SLU	-44051.60	1274.86	-4.86	-2571250.00	165269.00	-483.76	2-3	180.00	58.369
19	1071.43	1	SLU	-42754.00	128.03	-0.49	-2571250.00	164730.00	-454.65	2-3	180.00	60.141
20	1130.95	1	SLU	-41461.90	-735.68	2.80	-2571250.00	-164193.00	-425.84	2-3	0.00	62.015
21	1190.48	1	SLU	-40175.00	-1356.15	5.17	-2571250.00	-163658.00	-397.31	2-3	0.00	64.001
22	1250.00	1	SLU	-38893.20	-1772.00	6.75	-2571250.00	-163126.00	-369.04	2-3	0.00	66.111
23	1309.52	1	SLU	-37616.30	-2019.48	7.69	-2571250.00	-162595.00	-341.03	2-3	0.00	68.355
24	1369.05	1	SLU	-36344.20	-2131.85	8.12	-2571250.00	-162066.00	-313.28	2-3	0.00	70.747
25	1428.57	1	SLU	-35076.70	-2138.84	8.15	-2571250.00	-161537.00	-284.14	2-3	0.00	73.303
26	1488.10	1	SLU	-33813.70	-2066.55	7.87	-2571250.00	-161009.00	-254.52	2-3	0.00	76.042
27	1547.62	1	SLU	-32555.00	-1937.40	7.38	-2571250.00	-160483.00	-225.17	2-3	0.00	78.982
28	1607.14	1	SLU	-31300.40	-1770.23	6.74	-2571250.00	-159958.00	-196.08	2-3	0.00	82.147
29	1666.67	1	SLU	-30049.80	-1580.58	6.02	-2571250.00	-159435.00	-167.24	2-3	0.00	85.566
30	1726.19	1	SLU	-28803.00	-1380.92	5.26	-2571250.00	-158913.00	-138.64	2-3	0.00	89.270
31	1785.71	1	SLU	-27559.80	-1181.02	4.50	-2571250.00	-158393.00	-110.27	2-3	0.00	93.297
32	1845.24	1	SLU	-26320.20	-988.26	3.77	-2571250.00	-157874.00	-81.46	2-3	0.00	97.691
33	1904.76	1	SLU	-25083.80	-807.99	3.08	-2571250.00	-157354.00	-51.11	2-3	0.00	>100
34	1964.29	1	SLU	-23850.70	-643.86	2.45	-2571250.00	-156835.00	-21.02	2-3	0.00	>100
35	2023.81	1	SLU	-22620.60	-498.14	1.90	-2571250.00	-156318.00	8.85	2-3	0.00	>100
36	2083.33	1	SLU	-21393.40	-371.97	1.42	-2571250.00	-155801.00	38.48	2-3	0.00	>100
37	2142.86	1	SLU	-20168.90	-265.64	1.01	-2571250.00	-155286.00	67.89	2-3	0.00	>100
38	2202.38	1	SLU	-18946.90	-178.81	0.68	-2571250.00	-154771.00	97.09	2-3	0.00	>100
39	2261.90	1	SLU	-17727.40	-110.66	0.42	-2571250.00	-154258.00	126.05	2-3	0.00	>100
40	2321.43	1	SLU	-16510.10	-60.06	0.23	-2571250.00	-153744.00	156.53	2-3	0.00	>100
41	2380.95	1	SLU	-15294.90	-25.71	0.10	-2571250.00	-153230.00	187.62	2-3	0.00	>100
42	2440.48	1	SLU	-14081.70	-6.18	0.02	-2571250.00	-152716.00	218.50	2-3	0.00	>100
43	2500.00	1	SLU	-12870.20	0.00	0.00	-2571250.00					>100

Stato limite ultimo - Verifiche a taglio

Caso	X <cm>	CC	TCC	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1	0.00	1	SLU	7662.05	8.59	0.85	11.31	7662.05	1.00	32294.70	341058.00	32294.70	4.215

2	59.52	1	SLU	2800.31	3.14	0.85	11.31	2800.32	1.00	32294.70	341077.00	32294.70	11.533
3	119.05	1	SLU	-943.79	-1.06	0.85	11.31	943.79	1.00	32294.70	340876.00	32294.70	34.218
4	178.57	1	SLU	-3715.93	-4.17	0.85	11.31	3715.93	1.00	32294.70	340675.00	32294.70	8.691
5	238.09	1	SLU	-5660.16	-6.35	0.85	11.31	5660.17	1.00	32294.70	340476.00	32294.70	5.706
6	297.62	1	SLU	-6914.16	-7.75	0.85	11.31	6914.16	1.00	32294.70	340278.00	32294.70	4.671
7	357.14	1	SLU	-7605.85	-8.53	0.85	11.31	7605.85	1.00	32294.70	340081.00	32294.70	4.246
8	416.67	1	SLU	-7851.31	-8.80	0.85	11.31	7851.31	1.00	32294.70	339885.00	32294.70	4.113
9	476.19	1	SLU	-7753.52	-8.69	0.85	11.31	7753.53	1.00	32294.70	339690.00	32294.70	4.165
10	535.71	1	SLU	-7402.00	-8.30	0.85	11.31	7402.00	1.00	32294.70	339496.00	32294.70	4.363
11	595.24	1	SLU	-6872.92	-7.70	0.85	11.31	6872.92	1.00	32294.70	339303.00	32294.70	4.699
12	654.76	1	SLU	-6229.75	-6.98	0.85	11.31	6229.75	1.00	32294.70	339111.00	32294.70	5.184
13	714.29	1	SLU	-5524.15	-6.19	0.85	11.31	5524.15	1.00	32294.70	338920.00	32294.70	5.846
14	773.81	1	SLU	-4797.07	-5.38	0.85	11.31	4797.07	1.00	32294.70	338730.00	32294.70	6.732
15	833.33	1	SLU	-4079.98	-4.57	0.85	11.31	4079.98	1.00	32294.70	338541.00	32294.70	7.915
16	892.86	1	SLU	-3396.08	-3.81	0.85	11.31	3396.09	1.00	32294.70	338352.00	32294.70	9.509
17	952.38	1	SLU	-2761.61	-3.10	0.85	11.31	2761.61	1.00	32294.70	338165.00	32294.70	11.694
18	1011.90	1	SLU	-2186.92	-2.45	0.85	11.31	2186.92	1.00	32294.70	337978.00	32294.70	14.767
19	1071.43	1	SLU	-1677.65	-1.88	0.85	11.31	1677.65	1.00	32294.70	337792.00	32294.70	19.250
20	1130.95	1	SLU	-1235.67	-1.39	0.85	11.31	1235.68	1.00	32294.70	337607.00	32294.70	26.135
21	1190.48	1	SLU	-859.98	-0.96	0.85	11.31	859.98	1.00	32294.70	337423.00	32294.70	37.553
22	1250.00	1	SLU	-547.44	-0.61	0.85	11.31	547.44	1.00	32294.70	337239.00	32294.70	58.992
23	1309.52	1	SLU	-293.44	-0.33	0.85	11.31	293.44	1.00	32294.70	337056.00	32294.70	>100
24	1369.05	1	SLU	-92.44	-0.10	0.85	11.31	92.44	1.00	32294.70	336874.00	32294.70	>100
25	1428.57	1	SLU	61.63	0.07	0.85	11.31	61.63	1.00	32294.70	336692.00	32294.70	>100
26	1488.10	1	SLU	174.98	0.20	0.85	11.31	174.98	1.00	32294.70	336512.00	32294.70	>100
27	1547.62	1	SLU	253.71	0.28	0.85	11.31	253.71	1.00	32294.70	336331.00	32294.70	>100
28	1607.14	1	SLU	303.63	0.34	0.85	11.31	303.63	1.00	32294.70	336152.00	32294.70	>100
29	1666.67	1	SLU	330.12	0.37	0.85	11.31	330.12	1.00	32294.70	335972.00	32294.70	97.827
30	1726.19	1	SLU	338.02	0.38	0.85	11.31	338.02	1.00	32294.70	335794.00	32294.70	95.541
31	1785.71	1	SLU	331.61	0.37	0.85	11.31	331.61	1.00	32294.70	335616.00	32294.70	97.388
32	1845.24	1	SLU	314.60	0.35	0.85	11.31	314.60	1.00	32294.70	335438.00	32294.70	>100
33	1904.76	1	SLU	290.11	0.33	0.85	11.31	290.11	1.00	32294.70	335261.00	32294.70	>100
34	1964.29	1	SLU	260.74	0.29	0.85	11.31	260.74	1.00	32294.70	335084.00	32294.70	>100
35	2023.81	1	SLU	228.58	0.26	0.85	11.31	228.58	1.00	32294.70	334908.00	32294.70	>100
36	2083.33	1	SLU	195.28	0.22	0.85	11.31	195.28	1.00	32294.70	334732.00	32294.70	>100
37	2142.86	1	SLU	162.08	0.18	0.85	11.31	162.08	1.00	32294.70	334557.00	32294.70	>100
38	2202.38	1	SLU	129.91	0.15	0.85	11.31	129.91	1.00	32294.70	334382.00	32294.70	>100
39	2261.90	1	SLU	99.40	0.11	0.85	11.31	99.40	1.00	32294.70	334207.00	32294.70	>100
40	2321.43	1	SLU	70.97	0.08	0.85	11.31	70.97	1.00	32294.70	334033.00	32294.70	>100
41	2380.95	1	SLU	44.85	0.05	0.85	11.31	44.85	1.00	32294.70	333859.00	32294.70	>100
42	2440.48	1	SLU	21.18	0.02	0.85	11.31	21.18	1.00	32294.70	333685.00	32294.70	>100

Verifiche stato limite d'esercizio

Caso	X <cm>	CC	TCC	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ_c <daN/cmq>	σ_f <daN/cmq>
44	0.00	2	SLE R	-48558.90	-132.06	34661.20	43.98	34.56	33.06	670.22
45	59.52	2	SLE R	-48893.70	-140.68	36924.00	43.98	34.56	35.43	747.01
46	119.05	2	SLE R	-47886.50	-142.10	37294.90	43.98	34.56	35.89	772.26
47	178.57	2	SLE R	-46885.40	-138.06	36234.60	43.98	34.56	34.85	746.02
48	238.09	2	SLE R	-45890.30	-130.07	34139.70	43.98	34.56	32.71	682.65
49	297.62	2	SLE R	-44900.90	-119.43	31344.70	43.98	34.56	29.82	594.76
50	357.14	2	SLE R	-43917.30	-107.16	28125.30	43.98	34.56	26.48	493.17
51	416.67	2	SLE R	-42939.30	-94.12	24703.30	40.84	37.70	22.91	387.07
52	476.19	2	SLE R	-41966.70	-80.97	21252.20	40.84	37.70	19.33	284.41
53	535.71	2	SLE R	-40999.40	-68.21	17903.30	37.70	40.84	15.89	216.87
54	595.24	2	SLE R	-40037.30	-56.20	14751.00	34.56	43.98	12.79	176.42
55	654.76	2	SLE R	-39080.40	-45.19	11859.30	28.27	50.27	10.18	141.99
56	714.29	2	SLE R	-38128.30	-35.31	9266.63	21.99	56.55	8.15	114.89
57	773.81	2	SLE R	-37181.10	-26.64	6991.11	9.42	69.11	6.66	94.73
58	833.33	2	SLE R	-36238.70	-19.18	5034.96	0.00	78.54	5.55	79.55
59	892.86	2	SLE R	-35300.80	-12.91	3388.39	0.00	78.54	4.62	66.84
60	952.38	2	SLE R	-34367.40	-7.75	2032.94	0.00	78.54	3.85	56.18
61	1011.90	2	SLE R	-33438.40	-3.60	944.34	0.00	78.54	3.21	47.40
62	1071.43	2	SLE R	-32513.70	-0.36	94.84	0.00	78.54	2.69	40.31
63	1130.95	2	SLE R	-31593.00	2.08	-544.95	0.00	78.54	2.85	42.35
64	1190.48	2	SLE R	-30676.40	3.83	-1004.56	0.00	78.54	3.01	44.46
65	1250.00	2	SLE R	-29763.70	5.00	-1312.59	0.00	78.54	3.10	45.51
66	1309.52	2	SLE R	-28854.70	5.70	-1495.91	0.00	78.54	3.12	45.69
67	1369.05	2	SLE R	-27949.40	6.02	-1579.15	0.00	78.54	3.09	45.17
68	1428.57	2	SLE R	-27047.70	6.04	-1584.33	0.00	78.54	3.02	44.11
69	1488.10	2	SLE R	-26149.40	5.83	-1530.78	0.00	78.54	2.92	42.64
70	1547.62	2	SLE R	-25254.40	5.47	-1435.11	0.00	78.54	2.80	40.88
71	1607.14	2	SLE R	-24362.60	5.00	-1311.29	0.00	78.54	2.66	38.92
72	1666.67	2	SLE R	-23473.90	4.46	-1170.80	0.00	78.54	2.51	36.85
73	1726.19	2	SLE R	-22588.20	3.90	-1022.91	0.00	78.54	2.37	34.73
74	1785.71	2	SLE R	-21705.30	3.33	-874.83	0.00	78.54	2.22	32.61
75	1845.24	2	SLE R	-20825.30	2.79	-732.04	0.00	78.54	2.07	30.54

76	1904.76	2	SLE R	-19947.80	2.28	-598.51	0.00	78.54	1.93	28.53
77	1964.29	2	SLE R	-19072.90	1.82	-476.93	0.00	78.54	1.80	26.61
78	2023.81	2	SLE R	-18200.40	1.41	-368.99	0.00	78.54	1.67	24.78
79	2083.33	2	SLE R	-17330.20	1.05	-275.53	0.00	78.54	1.55	23.07
80	2142.86	2	SLE R	-16462.20	0.75	-196.77	0.00	78.54	1.44	21.45
81	2202.38	2	SLE R	-15596.40	0.50	-132.45	0.00	78.54	1.34	19.95
82	2261.90	2	SLE R	-14732.50	0.31	-81.97	0.00	78.54	1.24	18.54
83	2321.43	2	SLE R	-13870.40	0.17	-44.49	0.00	78.54	1.15	17.22
84	2380.95	2	SLE R	-13010.10	0.07	-19.05	0.00	78.54	1.07	16.00
85	2440.48	2	SLE R	-12151.50	0.02	-4.58	0.00	78.54	0.99	14.85
86	2500.00	2	SLE R	-11294.40	0.00	0.00	0.00	78.54	0.92	13.77
87	0.00	4	SLE Q	-48558.90	-132.06	34661.20	43.98	34.56	33.06	670.22
88	59.52	4	SLE Q	-48893.70	-140.68	36924.00	43.98	34.56	35.43	747.01
89	119.05	4	SLE Q	-47886.50	-142.10	37294.90	43.98	34.56	35.89	772.26
90	178.57	4	SLE Q	-46885.40	-138.06	36234.60	43.98	34.56	34.85	746.02
91	238.09	4	SLE Q	-45890.30	-130.07	34139.70	43.98	34.56	32.71	682.65
92	297.62	4	SLE Q	-44900.90	-119.43	31344.70	43.98	34.56	29.82	594.76
93	357.14	4	SLE Q	-43917.30	-107.16	28125.30	43.98	34.56	26.48	493.17
94	416.67	4	SLE Q	-42939.30	-94.12	24703.30	40.84	37.70	22.91	387.07
95	476.19	4	SLE Q	-41966.70	-80.97	21252.20	40.84	37.70	19.33	284.41
96	535.71	4	SLE Q	-40999.40	-68.21	17903.30	37.70	40.84	15.89	216.87
97	595.24	4	SLE Q	-40037.30	-56.20	14751.00	34.56	43.98	12.79	176.42
98	654.76	4	SLE Q	-39080.40	-45.19	11859.30	28.27	50.27	10.18	141.99
99	714.29	4	SLE Q	-38128.30	-35.31	9266.63	21.99	56.55	8.15	114.89
100	773.81	4	SLE Q	-37181.10	-26.64	6991.11	9.42	69.11	6.66	94.73
101	833.33	4	SLE Q	-36238.70	-19.18	5034.96	0.00	78.54	5.55	79.55
102	892.86	4	SLE Q	-35300.80	-12.91	3388.39	0.00	78.54	4.62	66.84
103	952.38	4	SLE Q	-34367.40	-7.75	2032.94	0.00	78.54	3.85	56.18
104	1011.90	4	SLE Q	-33438.40	-3.60	944.34	0.00	78.54	3.21	47.40
105	1071.43	4	SLE Q	-32513.70	-0.36	94.84	0.00	78.54	2.69	40.31
106	1130.95	4	SLE Q	-31593.00	2.08	-544.95	0.00	78.54	2.85	42.35
107	1190.48	4	SLE Q	-30676.40	3.83	-1004.56	0.00	78.54	3.01	44.46
108	1250.00	4	SLE Q	-29763.70	5.00	-1312.59	0.00	78.54	3.10	45.51
109	1309.52	4	SLE Q	-28854.70	5.70	-1495.91	0.00	78.54	3.12	45.69
110	1369.05	4	SLE Q	-27949.40	6.02	-1579.15	0.00	78.54	3.09	45.17
111	1428.57	4	SLE Q	-27047.70	6.04	-1584.33	0.00	78.54	3.02	44.11
112	1488.10	4	SLE Q	-26149.40	5.83	-1530.78	0.00	78.54	2.92	42.64
113	1547.62	4	SLE Q	-25254.40	5.47	-1435.11	0.00	78.54	2.80	40.88
114	1607.14	4	SLE Q	-24362.60	5.00	-1311.29	0.00	78.54	2.66	38.92
115	1666.67	4	SLE Q	-23473.90	4.46	-1170.80	0.00	78.54	2.51	36.85
116	1726.19	4	SLE Q	-22588.20	3.90	-1022.91	0.00	78.54	2.37	34.73
117	1785.71	4	SLE Q	-21705.30	3.33	-874.83	0.00	78.54	2.22	32.61
118	1845.24	4	SLE Q	-20825.30	2.79	-732.04	0.00	78.54	2.07	30.54
119	1904.76	4	SLE Q	-19947.80	2.28	-598.51	0.00	78.54	1.93	28.53
120	1964.29	4	SLE Q	-19072.90	1.82	-476.93	0.00	78.54	1.80	26.61
121	2023.81	4	SLE Q	-18200.40	1.41	-368.99	0.00	78.54	1.67	24.78
122	2083.33	4	SLE Q	-17330.20	1.05	-275.53	0.00	78.54	1.55	23.07
123	2142.86	4	SLE Q	-16462.20	0.75	-196.77	0.00	78.54	1.44	21.45
124	2202.38	4	SLE Q	-15596.40	0.50	-132.45	0.00	78.54	1.34	19.95
125	2261.90	4	SLE Q	-14732.50	0.31	-81.97	0.00	78.54	1.24	18.54
126	2321.43	4	SLE Q	-13870.40	0.17	-44.49	0.00	78.54	1.15	17.22
127	2380.95	4	SLE Q	-13010.10	0.07	-19.05	0.00	78.54	1.07	16.00
128	2440.48	4	SLE Q	-12151.50	0.02	-4.58	0.00	78.54	0.99	14.85
129	2500.00	4	SLE Q	-11294.40	0.00	0.00	0.00	78.54	0.92	13.77

Stato limite d'esercizio – Verifiche a fessurazione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	c <mm>	s <mm>	K_2	Φ_{eq}	Δ_{sm} <mm>	A_s <cmq>	$A_{c\ eff}$ <cmq>	σ_s <daN/cmq>	ε_{sm}	Wk <mm>
87	0.00	4	SLE Q	-48558.90	34661.20	-132.06	46.00	136.36	0.50	20.00	199.16	21.99	1178.26	670.22	0.20	0.07
88	59.52	4	SLE Q	-48893.70	36924.00	-140.68	46.00	136.36	0.50	20.00	200.45	21.99	1192.50	747.01	0.22	0.07
89	119.05	4	SLE Q	-47886.50	37294.90	-142.10	46.00	136.36	0.50	20.00	201.12	21.99	1199.80	772.26	0.22	0.08
90	178.57	4	SLE Q	-46885.40	36234.60	-138.06	46.00	136.36	0.50	20.00	200.95	21.99	1198.00	746.02	0.22	0.07
91	238.09	4	SLE Q	-45890.30	34139.70	-130.07	46.00	136.36	0.50	20.00	200.12	21.99	1188.83	682.65	0.20	0.07
92	297.62	4	SLE Q	-44900.90	31344.70	-119.43	46.00	136.36	0.50	20.00	198.62	21.99	1172.29	594.76	0.17	0.06
93	357.14	4	SLE Q	-43917.30	28125.30	-107.16	46.00	136.36	0.50	20.00	196.33	21.99	1147.21	493.17	0.14	0.05
94	416.67	4	SLE Q	-42939.30	24703.30	-94.12	46.00	136.36	0.50	20.00	209.84	18.85	1110.59	387.07	0.11	0.04
95	476.19	4	SLE Q	-41966.70	21252.20	-80.97	46.00	136.36	0.50	20.00	204.02	18.85	1055.80	284.41	0.08	0.03
96	535.71	4	SLE Q	-40999.40	17903.30	-68.21	46.00	136.36	0.50	20.00	195.19	18.85	972.50	192.25	0.06	0.02
97	595.24	4	SLE Q	-40037.30	14751.00	-56.20	46.00	136.36	0.50	20.00	199.56	15.71	844.75	116.64	0.03	0.01
98	654.76	4	SLE Q	-39080.40	11859.30	-45.19	46.00	136.36	0.50	20.00	189.18	12.57	610.62	61.33	0.02	0.01
99	714.29	4	SLE Q	-38128.30	9266.63	-35.31	46.00	136.36	0.50	20.00	160.10	9.42	320.92	25.58	0.01	0.00
130	0.00	3	SLE F	-48558.90	34661.20	-132.06	46.00	136.36	0.50	20.00	199.16	21.99	1178.26	670.22	0.20	0.07
131	59.52	3	SLE F	-48893.70	36924.00	-140.68	46.00	136.36	0.50	20.00	200.45	21.99	1192.50	747.01	0.22	0.07
132	119.05	3	SLE F	-47886.50	37294.90	-142.10	46.00	136.36	0.50	20.00	201.12	21.99	1199.80	772.26	0.22	0.08
133	178.57	3	SLE F	-46885.40	36234.60	-138.06	46.00	136.36	0.50	20.00	200.95	21.99	1198.00	746.02	0.22	0.07
134	238.09	3	SLE F	-45890.30	34139.70	-130.07	46.00	136.36	0.50	20.00	200.12	21.99	1188.83	682.65	0.20	0.07
135	297.62	3	SLE F	-44900.90	31344.70	-119.43	46.00	136.36	0.50	20.00	198.62	21.99	1172.29	594.76	0.17	0.06

136	357.14	3	SLE F	-43917.30	28125.30	-107.16	46.00	136.36	0.50	20.00	196.33	21.99	1147.21	493.17	0.14	0.05
137	416.67	3	SLE F	-42939.30	24703.30	-94.12	46.00	136.36	0.50	20.00	209.84	18.85	1110.59	387.07	0.11	0.04
138	476.19	3	SLE F	-41966.70	21252.20	-80.97	46.00	136.36	0.50	20.00	204.02	18.85	1055.80	284.41	0.08	0.03
139	535.71	3	SLE F	-40999.40	17903.30	-68.21	46.00	136.36	0.50	20.00	195.19	18.85	972.50	192.25	0.06	0.02
140	595.24	3	SLE F	-40037.30	14751.00	-56.20	46.00	136.36	0.50	20.00	199.56	15.71	844.75	116.64	0.03	0.01
141	654.76	3	SLE F	-39080.40	11859.30	-45.19	46.00	136.36	0.50	20.00	189.18	12.57	610.62	61.33	0.02	0.01
142	714.29	3	SLE F	-38128.30	9266.63	-35.31	46.00	136.36	0.50	20.00	160.10	9.42	320.92	25.58	0.01	0.00

Verifiche principali

Caso	Tipo
3	SLU N cost - min. sic.
8	SLU Taglio - min. sic. c.a.,SLU Taglio - min. sic. acciaio
46	C.Rare - Sc min (max compr.),C.Rare - Sf max (max traz.),C.Rare - Sf min (max compr.)
58	C.Rare - Sc max (min. compr.)
89	C.Q.Per. - Sc min (max compr.),C.Q.Per. - Sf max (max traz.),C.Q.Per. - Sf min (max compr.),C.Q.Per. - Wk Max
101	C.Q.Per. - Sc max (min. compr.)
132	C.Freq - Wk Max

Palo n. 11

Caratteristiche del palo e dei materiali utilizzati

R <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
60.00	6.00	C30/37	307.10	20.59	174.02	13.73	B450C	4300.00	3913.04

Le sollecitazioni nei pali vengono calcolate oltre che per l'effetto delle reazioni vincolari anche considerando i seguenti effetti

Azioni ed effetti comuni

Az	N <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
PP	0.00	0.00	0.00	
SVR	0.00			

Azioni ed effetti - Plinto/Palo n. 11 (-22)

Caso	CC	TCC	Az	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	RVN	90377.90	7535.85	-470.59	51220.00	-3200.39
	1	SLU	TAG				0.00	0.00
	1	SLU	ECC				0.00	0.00
	1	SLU	TOT	90377.90	7535.85	-470.59	51220.00	-3200.39
2	2	SLE R	RVN	66946.60	5582.11	-348.58	37940.70	-2370.66
	2	SLE R	TAG				0.00	0.00
	2	SLE R	ECC				0.00	0.00
	2	SLE R	TOT	66946.60	5582.11	-348.58	37940.70	-2370.66
3	3	SLE F	RVN	66946.60	5582.11	-348.58	37940.70	-2370.66
	3	SLE F	TAG				0.00	0.00
	3	SLE F	ECC				0.00	0.00
	3	SLE F	TOT	66946.60	5582.11	-348.58	37940.70	-2370.66
4	4	SLE Q	RVN	66946.60	5582.11	-348.58	37940.70	-2370.66
	4	SLE Q	TAG				0.00	0.00
	4	SLE Q	ECC				0.00	0.00
	4	SLE Q	TOT	66946.60	5582.11	-348.58	37940.70	-2370.66

Sollecitazioni nei pali

Caso	CC	TCC	Palo	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	1	-90377.90	-7535.85	470.59	-51220.00	3200.39
2	2	SLE R	1	-66946.60	-5582.11	348.58	-37940.70	2370.66
3	3	SLE F	1	-66946.60	-5582.11	348.58	-37940.70	2370.66
4	4	SLE Q	1	-66946.60	-5582.11	348.58	-37940.70	2370.66

Da 0 a -25

Stato limite ultimo - Verifiche a flessione/pressoflessione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	Rott.	α <grad>	Sic.
1	0.00	1	SLU	-90377.90	50657.70	3165.25	-90377.90	183300.00	12012.40	2-3	176.25	3.619
2	59.52	1	SLU	-90217.70	53574.90	3347.53	-90217.70	183237.00	12008.30	2-3	176.25	3.421
3	119.05	1	SLU	-88225.80	53838.90	3364.02	-88225.80	182458.00	11956.30	2-3	176.25	3.390
4	178.57	1	SLU	-86245.10	52104.80	3255.67	-86245.10	181684.00	11904.60	2-3	176.25	3.488
5	238.09	1	SLU	-84275.30	48935.50	3057.64	-84275.30	180913.00	11853.10	2-3	176.25	3.698
6	297.62	1	SLU	-82316.30	44804.30	2799.51	-82316.30	180147.00	11801.90	2-3	176.25	4.022
7	357.14	1	SLU	-80367.70	40100.50	2505.60	-80367.70	179381.00	11751.00	2-3	176.25	4.474
8	416.67	1	SLU	-78429.30	35136.30	2195.43	-78429.30	178619.00	11700.40	2-3	176.25	5.085
9	476.19	1	SLU	-76500.90	30155.20	1884.19	-76500.90	177860.00	11650.00	2-3	176.25	5.899

10	535.71	1	SLU	-74582.10	25340.00	1583.32	-74582.10	177104.00	11599.90	2-3	176.25	6.990
11	595.24	1	SLU	-72672.90	20822.10	1301.03	-72672.90	176352.00	11549.90	2-3	176.25	8.471
12	654.76	1	SLU	-70772.80	16689.10	1042.79	-70772.80	175601.00	11500.30	2-3	176.25	10.524
13	714.29	1	SLU	-68881.80	12992.80	811.83	-68881.80	174853.00	11451.00	2-3	176.25	13.460
14	773.81	1	SLU	-66999.50	9756.54	609.62	-66999.50	174107.00	11402.00	2-3	176.25	17.849
15	833.33	1	SLU	-65125.70	6981.18	436.21	-65125.70	173365.00	11353.10	2-3	176.25	24.838
16	892.86	1	SLU	-63260.20	4650.87	290.60	-63260.20	172625.00	11304.40	2-3	176.25	37.124
17	952.38	1	SLU	-61402.70	2737.76	171.06	-2571250.00	171888.00	11255.90	2-3	176.25	41.875
18	1011.90	1	SLU	-59553.00	1206.02	75.36	-2571250.00	171152.00	11208.00	2-3	176.25	43.176
19	1071.43	1	SLU	-57710.80	15.11	0.94	-2571250.00	170418.00	11160.20	2-3	176.25	44.554
20	1130.95	1	SLU	-55876.00	-877.57	-54.83	-2571250.00	-169714.00	-11036.40	2-3	356.25	46.017
21	1190.48	1	SLU	-54048.30	-1514.64	-94.64	-2571250.00	-168968.00	-10987.40	2-3	356.25	47.573
22	1250.00	1	SLU	-52227.50	-1937.23	-121.04	-2571250.00	-168223.00	-10938.60	2-3	356.25	49.232
23	1309.52	1	SLU	-50413.20	-2183.84	-136.45	-2571250.00	-167478.00	-10890.30	2-3	356.25	51.003
24	1369.05	1	SLU	-48605.40	-2289.65	-143.06	-2571250.00	-166736.00	-10842.20	2-3	356.25	52.900
25	1428.57	1	SLU	-46803.80	-2286.07	-142.84	-2571250.00	-165996.00	-10794.20	2-3	356.25	54.937
26	1488.10	1	SLU	-45008.10	-2200.59	-137.50	-2571250.00	-165258.00	-10746.30	2-3	356.25	57.129
27	1547.62	1	SLU	-43218.10	-2056.77	-128.51	-2571250.00	-164520.00	-10698.70	2-3	356.25	59.495
28	1607.14	1	SLU	-41433.60	-1874.38	-117.12	-2571250.00	-163782.00	-10651.60	2-3	356.25	62.057
29	1666.67	1	SLU	-39654.30	-1669.63	-104.32	-2571250.00	-163047.00	-10604.50	2-3	356.25	64.842
30	1726.19	1	SLU	-37880.10	-1455.55	-90.95	-2571250.00	-162313.00	-10557.50	2-3	356.25	67.879
31	1785.71	1	SLU	-36110.70	-1242.26	-77.62	-2571250.00	-161580.00	-10510.70	2-3	356.25	71.205
32	1845.24	1	SLU	-34345.90	-1037.40	-64.82	-2571250.00	-160848.00	-10464.10	2-3	356.25	74.863
33	1904.76	1	SLU	-32585.40	-846.46	-52.89	-2571250.00	-160116.00	-10417.80	2-3	356.25	78.908
34	1964.29	1	SLU	-30829.10	-673.14	-42.06	-2571250.00	-159385.00	-10371.70	2-3	356.25	83.403
35	2023.81	1	SLU	-29076.70	-519.70	-32.47	-2571250.00	-158655.00	-10325.60	2-3	356.25	88.430
36	2083.33	1	SLU	-27328.00	-387.22	-24.19	-2571250.00	-157927.00	-10279.60	2-3	356.25	94.088
37	2142.86	1	SLU	-25582.70	-275.90	-17.24	-2571250.00	-157199.00	-10233.70	2-3	356.25	>100
38	2202.38	1	SLU	-23840.70	-185.27	-11.58	-2571250.00	-156470.00	-10188.20	2-3	356.25	>100
39	2261.90	1	SLU	-22101.70	-114.36	-7.15	-2571250.00	-155742.00	-10142.80	2-3	356.25	>100
40	2321.43	1	SLU	-20365.60	-61.90	-3.87	-2571250.00	-155015.00	-10097.40	2-3	356.25	>100
41	2380.95	1	SLU	-18632.00	-26.42	-1.65	-2571250.00	-154290.00	-10052.10	2-3	356.25	>100
42	2440.48	1	SLU	-16900.80	-6.33	-0.40	-2571250.00	-153562.00	-10006.70	2-3	356.25	>100
43	2500.00	1	SLU	-15171.70	0.00	0.00	-2571250.00					>100

Stato limite ultimo - Verifiche a taglio

Caso	X <cm>	CC	TCC	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1	0.00	1	SLU	7535.85	-470.59	0.85	11.31	7550.53	1.00	32294.70	344614.00	32294.70	4.277
2	59.52	1	SLU	2475.71	-154.60	0.85	11.31	2480.53	1.00	32294.70	344591.00	32294.70	13.019
3	119.05	1	SLU	-1405.44	87.77	0.85	11.31	1408.18	1.00	32294.70	344306.00	32294.70	22.934
4	178.57	1	SLU	-4263.73	266.26	0.85	11.31	4272.04	1.00	32294.70	344022.00	32294.70	7.560
5	238.09	1	SLU	-6252.87	390.47	0.85	11.31	6265.05	1.00	32294.70	343740.00	32294.70	5.155
6	297.62	1	SLU	-7519.25	469.55	0.85	11.31	7533.89	1.00	32294.70	343459.00	32294.70	4.287
7	357.14	1	SLU	-8198.51	511.97	0.85	11.31	8214.48	1.00	32294.70	343180.00	32294.70	3.931
8	416.67	1	SLU	-8413.38	525.39	0.85	11.31	8429.77	1.00	32294.70	342902.00	32294.70	3.831
9	476.19	1	SLU	-8272.50	516.59	0.85	11.31	8288.61	1.00	32294.70	342626.00	32294.70	3.896
10	535.71	1	SLU	-7870.05	491.46	0.85	11.31	7885.38	1.00	32294.70	342351.00	32294.70	4.096
11	595.24	1	SLU	-7286.01	454.99	0.85	11.31	7300.21	1.00	32294.70	342078.00	32294.70	4.424
12	654.76	1	SLU	-6586.83	411.33	0.85	11.31	6599.66	1.00	32294.70	341806.00	32294.70	4.893
13	714.29	1	SLU	-5826.43	363.84	0.85	11.31	5837.78	1.00	32294.70	341535.00	32294.70	5.532
14	773.81	1	SLU	-5047.44	315.20	0.85	11.31	5057.27	1.00	32294.70	341265.00	32294.70	6.386
15	833.33	1	SLU	-4282.45	267.43	0.85	11.31	4290.79	1.00	32294.70	340997.00	32294.70	7.527
16	892.86	1	SLU	-3555.39	222.02	0.85	11.31	3562.32	1.00	32294.70	340729.00	32294.70	9.066
17	952.38	1	SLU	-2882.85	180.02	0.85	11.31	2888.47	1.00	32294.70	340463.00	32294.70	11.181
18	1011.90	1	SLU	-2275.28	142.08	0.85	11.31	2279.72	1.00	32294.70	340198.00	32294.70	14.166
19	1071.43	1	SLU	-1738.20	108.55	0.85	11.31	1741.59	1.00	32294.70	339935.00	32294.70	18.543
20	1130.95	1	SLU	-1273.21	79.51	0.85	11.31	1275.69	1.00	32294.70	339672.00	32294.70	25.315
21	1190.48	1	SLU	-878.93	54.89	0.85	11.31	880.64	1.00	32294.70	339410.00	32294.70	36.672
22	1250.00	1	SLU	-551.78	34.46	0.85	11.31	552.86	1.00	32294.70	339149.00	32294.70	58.414
23	1309.52	1	SLU	-286.69	17.90	0.85	11.31	287.25	1.00	32294.70	338889.00	32294.70	>100
24	1369.05	1	SLU	-77.62	4.85	0.85	11.31	77.77	1.00	32294.70	338630.00	32294.70	>100
25	1428.57	1	SLU	81.95	-5.12	0.85	11.31	82.10	1.00	32294.70	338372.00	32294.70	>100
26	1488.10	1	SLU	198.66	-12.41	0.85	11.31	199.05	1.00	32294.70	338115.00	32294.70	>100
27	1547.62	1	SLU	279.05	-17.43	0.85	11.31	279.59	1.00	32294.70	337859.00	32294.70	>100
28	1607.14	1	SLU	329.28	-20.56	0.85	11.31	329.92	1.00	32294.70	337603.00	32294.70	97.887
29	1666.67	1	SLU	355.04	-22.17	0.85	11.31	355.73	1.00	32294.70	337348.00	32294.70	90.784
30	1726.19	1	SLU	361.46	-22.57	0.85	11.31	362.17	1.00	32294.70	337094.00	32294.70	89.171
31	1785.71	1	SLU	353.07	-22.05	0.85	11.31	353.75	1.00	32294.70	336841.00	32294.70	91.291
32	1845.24	1	SLU	333.75	-20.84	0.85	11.31	334.40	1.00	32294.70	336588.00	32294.70	96.576
33	1904.76	1	SLU	306.80	-19.16	0.85	11.31	307.39	1.00	32294.70	336336.00	32294.70	>100
34	1964.29	1	SLU	274.93	-17.17	0.85	11.31	275.47	1.00	32294.70	336084.00	32294.70	>100
35	2023.81	1	SLU	240.34	-15.01	0.85	11.31	240.81	1.00	32294.70	335833.00	32294.70	>100
36	2083.33	1	SLU	204.74	-12.79	0.85	11.31	205.14	1.00	32294.70	335583.00	32294.70	>100
37	2142.86	1	SLU	169.44	-10.58	0.85	11.31	169.77	1.00	32294.70	335333.00	32294.70	>100
38	2202.38	1	SLU	135.38	-8.45	0.85	11.31	135.65	1.00	32294.70	335083.00	32294.70	>100
39	2261.90	1	SLU	103.24	-6.45	0.85	11.31	103.44	1.00	32294.70	334834.00	32294.70	>100

40	2321.43	1	SLU	73.44	-4.59	0.85	11.31	73.58	1.00	32294.70	334585.00	32294.70	>100
41	2380.95	1	SLU	46.23	-2.89	0.85	11.31	46.31	1.00	32294.70	334337.00	32294.70	>100
42	2440.48	1	SLU	21.73	-1.36	0.85	11.31	21.77	1.00	32294.70	334089.00	32294.70	>100

Verifiche stato limite d'esercizio

Caso	X <cm>	CC	TCC	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ_C <daN/cmq>	σ_f <daN/cmq>
44	0.00	2	SLE R	-66946.60	2344.63	37524.20	43.98	34.56	34.67	569.82
45	59.52	2	SLE R	-67063.70	2479.65	39685.10	43.98	34.56	36.96	640.67
46	119.05	2	SLE R	-65623.60	2491.87	39880.60	43.98	34.56	37.28	662.36
47	178.57	2	SLE R	-64191.70	2411.61	38596.10	43.98	34.56	36.03	633.85
48	238.09	2	SLE R	-62768.10	2264.92	36248.50	43.98	34.56	33.64	569.63
49	297.62	2	SLE R	-61352.30	2073.71	33188.40	43.98	34.56	30.50	482.93
50	357.14	2	SLE R	-59944.40	1856.00	29704.10	37.70	40.84	26.93	385.40
51	416.67	2	SLE R	-58544.10	1626.24	26026.90	37.70	40.84	23.18	317.15
52	476.19	2	SLE R	-57151.20	1395.70	22337.20	37.70	40.84	19.52	269.17
53	535.71	2	SLE R	-55765.60	1172.83	18770.40	31.42	47.12	16.16	224.79
54	595.24	2	SLE R	-54387.10	963.73	15423.80	25.13	53.41	13.29	186.45
55	654.76	2	SLE R	-53015.40	772.43	12362.30	18.85	59.69	10.98	155.38
56	714.29	2	SLE R	-51650.50	601.36	9624.30	12.57	65.97	9.21	131.22
57	773.81	2	SLE R	-50292.20	451.57	7227.07	0.00	78.54	7.83	112.29
58	833.33	2	SLE R	-48940.20	323.12	5171.24	0.00	78.54	6.65	96.14
59	892.86	2	SLE R	-47594.50	215.26	3445.09	0.00	78.54	5.65	82.33
60	952.38	2	SLE R	-46254.80	126.71	2027.97	0.00	78.54	4.81	70.70
61	1011.90	2	SLE R	-44920.90	55.82	893.35	0.00	78.54	4.11	61.07
62	1071.43	2	SLE R	-43592.80	0.70	11.19	0.00	78.54	3.55	53.23
63	1130.95	2	SLE R	-42270.20	-40.62	-650.05	0.00	78.54	3.77	56.09
64	1190.48	2	SLE R	-40953.00	-70.10	-1121.96	0.00	78.54	3.91	57.78
65	1250.00	2	SLE R	-39640.90	-89.66	-1434.99	0.00	78.54	3.96	58.37
66	1309.52	2	SLE R	-38333.90	-101.08	-1617.66	0.00	78.54	3.95	58.06
67	1369.05	2	SLE R	-37031.80	-105.97	-1696.03	0.00	78.54	3.89	57.02
68	1428.57	2	SLE R	-35734.40	-105.81	-1693.38	0.00	78.54	3.78	55.42
69	1488.10	2	SLE R	-34441.50	-101.85	-1630.07	0.00	78.54	3.64	53.40
70	1547.62	2	SLE R	-33152.90	-95.20	-1523.54	0.00	78.54	3.48	51.08
71	1607.14	2	SLE R	-31868.60	-86.75	-1388.43	0.00	78.54	3.31	48.57
72	1666.67	2	SLE R	-30588.40	-77.28	-1236.76	0.00	78.54	3.13	45.95
73	1726.19	2	SLE R	-29312.00	-67.37	-1078.18	0.00	78.54	2.94	43.28
74	1785.71	2	SLE R	-28039.30	-57.50	-920.19	0.00	78.54	2.76	40.63
75	1845.24	2	SLE R	-26770.20	-48.01	-768.44	0.00	78.54	2.57	38.02
76	1904.76	2	SLE R	-25504.50	-39.18	-627.00	0.00	78.54	2.40	35.48
77	1964.29	2	SLE R	-24242.10	-31.16	-498.62	0.00	78.54	2.23	33.05
78	2023.81	2	SLE R	-22982.70	-24.05	-384.96	0.00	78.54	2.07	30.72
79	2083.33	2	SLE R	-21726.20	-17.92	-286.83	0.00	78.54	1.91	28.50
80	2142.86	2	SLE R	-20472.50	-12.77	-204.37	0.00	78.54	1.77	26.39
81	2202.38	2	SLE R	-19221.40	-8.57	-137.23	0.00	78.54	1.63	24.40
82	2261.90	2	SLE R	-17972.70	-5.29	-84.71	0.00	78.54	1.50	22.51
83	2321.43	2	SLE R	-16726.30	-2.86	-45.85	0.00	78.54	1.38	20.71
84	2380.95	2	SLE R	-15482.10	-1.22	-19.57	0.00	78.54	1.27	19.01
85	2440.48	2	SLE R	-14239.80	-0.29	-4.69	0.00	78.54	1.16	17.39
86	2500.00	2	SLE R	-12999.30	0.00	0.00	0.00	78.54	1.06	15.85
87	0.00	4	SLE Q	-66946.60	2344.63	37524.20	43.98	34.56	34.67	569.82
88	59.52	4	SLE Q	-67063.70	2479.65	39685.10	43.98	34.56	36.96	640.67
89	119.05	4	SLE Q	-65623.60	2491.87	39880.60	43.98	34.56	37.28	662.36
90	178.57	4	SLE Q	-64191.70	2411.61	38596.10	43.98	34.56	36.03	633.85
91	238.09	4	SLE Q	-62768.10	2264.92	36248.50	43.98	34.56	33.64	569.63
92	297.62	4	SLE Q	-61352.30	2073.71	33188.40	43.98	34.56	30.50	482.93
93	357.14	4	SLE Q	-59944.40	1856.00	29704.10	37.70	40.84	26.93	385.40
94	416.67	4	SLE Q	-58544.10	1626.24	26026.90	37.70	40.84	23.18	317.15
95	476.19	4	SLE Q	-57151.20	1395.70	22337.20	37.70	40.84	19.52	269.17
96	535.71	4	SLE Q	-55765.60	1172.83	18770.40	31.42	47.12	16.16	224.79
97	595.24	4	SLE Q	-54387.10	963.73	15423.80	25.13	53.41	13.29	186.45
98	654.76	4	SLE Q	-53015.40	772.43	12362.30	18.85	59.69	10.98	155.38
99	714.29	4	SLE Q	-51650.50	601.36	9624.30	12.57	65.97	9.21	131.22
100	773.81	4	SLE Q	-50292.20	451.57	7227.07	0.00	78.54	7.83	112.29
101	833.33	4	SLE Q	-48940.20	323.12	5171.24	0.00	78.54	6.65	96.14
102	892.86	4	SLE Q	-47594.50	215.26	3445.09	0.00	78.54	5.65	82.33
103	952.38	4	SLE Q	-46254.80	126.71	2027.97	0.00	78.54	4.81	70.70
104	1011.90	4	SLE Q	-44920.90	55.82	893.35	0.00	78.54	4.11	61.07
105	1071.43	4	SLE Q	-43592.80	0.70	11.19	0.00	78.54	3.55	53.23
106	1130.95	4	SLE Q	-42270.20	-40.62	-650.05	0.00	78.54	3.77	56.09
107	1190.48	4	SLE Q	-40953.00	-70.10	-1121.96	0.00	78.54	3.91	57.78
108	1250.00	4	SLE Q	-39640.90	-89.66	-1434.99	0.00	78.54	3.96	58.37
109	1309.52	4	SLE Q	-38333.90	-101.08	-1617.66	0.00	78.54	3.95	58.06
110	1369.05	4	SLE Q	-37031.80	-105.97	-1696.03	0.00	78.54	3.89	57.02
111	1428.57	4	SLE Q	-35734.40	-105.81	-1693.38	0.00	78.54	3.78	55.42
112	1488.10	4	SLE Q	-34441.50	-101.85	-1630.07	0.00	78.54	3.64	53.40
113	1547.62	4	SLE Q	-33152.90	-95.20	-1523.54	0.00	78.54	3.48	51.08

114	1607.14	4	SLE Q	-31868.60	-86.75	-1388.43	0.00	78.54	3.31	48.57
115	1666.67	4	SLE Q	-30588.40	-77.28	-1236.76	0.00	78.54	3.13	45.95
116	1726.19	4	SLE Q	-29312.00	-67.37	-1078.18	0.00	78.54	2.94	43.28
117	1785.71	4	SLE Q	-28039.30	-57.50	-920.19	0.00	78.54	2.76	40.63
118	1845.24	4	SLE Q	-26770.20	-48.01	-768.44	0.00	78.54	2.57	38.02
119	1904.76	4	SLE Q	-25504.50	-39.18	-627.00	0.00	78.54	2.40	35.48
120	1964.29	4	SLE Q	-24242.10	-31.16	-498.62	0.00	78.54	2.23	33.05
121	2023.81	4	SLE Q	-22982.70	-24.05	-384.96	0.00	78.54	2.07	30.72
122	2083.33	4	SLE Q	-21726.20	-17.92	-286.83	0.00	78.54	1.91	28.50
123	2142.86	4	SLE Q	-20472.50	-12.77	-204.37	0.00	78.54	1.77	26.39
124	2202.38	4	SLE Q	-19221.40	-8.57	-137.23	0.00	78.54	1.63	24.40
125	2261.90	4	SLE Q	-17972.70	-5.29	-84.71	0.00	78.54	1.50	22.51
126	2321.43	4	SLE Q	-16726.30	-2.86	-45.85	0.00	78.54	1.38	20.71
127	2380.95	4	SLE Q	-15482.10	-1.22	-19.57	0.00	78.54	1.27	19.01
128	2440.48	4	SLE Q	-14239.80	-0.29	-4.69	0.00	78.54	1.16	17.39
129	2500.00	4	SLE Q	-12999.30	0.00	0.00	0.00	78.54	1.06	15.85

Stato limite d'esercizio – Verifiche a fessurazione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	c <mm>	s <mm>	K_2	Φ_{eq}	Δ_{sm} <mm>	A_s <cmq>	$A_{c\ eff}$ <cmq>	σ_s <daN/cmq>	ε_{sm}	Wk <mm>
87	0.00	4	SLE Q	-66946.60	37524.20	2344.63	46.00	136.36	0.50	20.00	209.24	18.85	1104.95	569.82	0.17	0.06
88	59.52	4	SLE Q	-67063.70	39685.10	2479.65	46.00	136.36	0.50	20.00	211.43	18.85	1125.64	640.67	0.19	0.07
89	119.05	4	SLE Q	-65623.60	39880.60	2491.87	46.00	136.36	0.50	20.00	212.44	18.85	1135.07	662.36	0.19	0.07
90	178.57	4	SLE Q	-64191.70	38596.10	2411.61	46.00	136.36	0.50	20.00	212.04	18.85	1131.34	633.85	0.18	0.07
91	238.09	4	SLE Q	-62768.10	36248.50	2264.92	46.00	136.36	0.50	20.00	210.47	18.85	1116.59	569.63	0.17	0.06
92	297.62	4	SLE Q	-61352.30	33188.40	2073.71	46.00	136.36	0.50	20.00	207.68	18.85	1090.26	482.93	0.14	0.05
93	357.14	4	SLE Q	-59944.40	29704.10	1856.00	46.00	136.36	0.50	20.00	203.38	18.85	1049.78	385.40	0.11	0.04
94	416.67	4	SLE Q	-58544.10	26026.90	1626.24	46.00	136.36	0.50	20.00	196.95	18.85	989.14	287.29	0.08	0.03
95	476.19	4	SLE Q	-57151.20	22337.20	1395.70	46.00	136.36	0.50	20.00	187.41	18.85	899.17	197.43	0.06	0.02
96	535.71	4	SLE Q	-55765.60	18770.40	1172.83	46.00	136.36	0.50	20.00	212.67	12.57	758.19	122.77	0.04	0.01
97	595.24	4	SLE Q	-54387.10	15423.80	963.73	46.00	136.36	0.50	20.00	175.60	12.57	525.29	66.96	0.02	0.01
98	654.76	4	SLE Q	-53015.40	12362.30	772.43	46.00	136.36	0.50	20.00	181.47	6.28	281.09	29.14	0.01	0.00
130	0.00	3	SLE F	-66946.60	37524.20	2344.63	46.00	136.36	0.50	20.00	209.24	18.85	1104.95	569.82	0.17	0.06
131	59.52	3	SLE F	-67063.70	39685.10	2479.65	46.00	136.36	0.50	20.00	211.43	18.85	1125.64	640.67	0.19	0.07
132	119.05	3	SLE F	-65623.60	39880.60	2491.87	46.00	136.36	0.50	20.00	212.44	18.85	1135.07	662.36	0.19	0.07
133	178.57	3	SLE F	-64191.70	38596.10	2411.61	46.00	136.36	0.50	20.00	212.04	18.85	1131.34	633.85	0.18	0.07
134	238.09	3	SLE F	-62768.10	36248.50	2264.92	46.00	136.36	0.50	20.00	210.47	18.85	1116.59	569.63	0.17	0.06
135	297.62	3	SLE F	-61352.30	33188.40	2073.71	46.00	136.36	0.50	20.00	207.68	18.85	1090.26	482.93	0.14	0.05
136	357.14	3	SLE F	-59944.40	29704.10	1856.00	46.00	136.36	0.50	20.00	203.38	18.85	1049.78	385.40	0.11	0.04
137	416.67	3	SLE F	-58544.10	26026.90	1626.24	46.00	136.36	0.50	20.00	196.95	18.85	989.14	287.29	0.08	0.03
138	476.19	3	SLE F	-57151.20	22337.20	1395.70	46.00	136.36	0.50	20.00	187.41	18.85	899.17	197.43	0.06	0.02
139	535.71	3	SLE F	-55765.60	18770.40	1172.83	46.00	136.36	0.50	20.00	212.67	12.57	758.19	122.77	0.04	0.01
140	595.24	3	SLE F	-54387.10	15423.80	963.73	46.00	136.36	0.50	20.00	175.60	12.57	525.29	66.96	0.02	0.01
141	654.76	3	SLE F	-53015.40	12362.30	772.43	46.00	136.36	0.50	20.00	181.47	6.28	281.09	29.14	0.01	0.00

Verifiche principali

Caso	Tipo
3	SLU N cost – min. sic.
8	SLU Taglio – min. sic. c.a.,SLU Taglio – min. sic. acciaio
46	C.Rare – Sc min (max compr.),C.Rare – Sf max (max traz.),C.Rare – Sf min (max compr.)
57	C.Rare – Sc max (min. compr.)
89	C.Q.Per. – Sc min (max compr.),C.Q.Per. – Sf max (max traz.),C.Q.Per. – Sf min (max compr.),C.Q.Per. – Wk Max
100	C.Q.Per. – Sc max (min. compr.)
132	C.Freq – Wk Max

Palo n. 12

Caratteristiche del palo e dei materiali utilizzati

R <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
60.00	6.00	C30/37	307.10	20.59	174.02	13.73	B450C	4300.00	3913.04

Le sollecitazioni nei pali vengono calcolate oltre che per l'effetto delle reazioni vincolari anche considerando i seguenti effetti

Azioni ed effetti comuni

Az	N <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
PP	0.00	0.00	0.00	
SVR	0.00			

Azioni ed effetti – Plinto/Palo n. 12 (-4)

Caso	CC	TCC	Az	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	RVN	22439.10	7919.89	167.35	40932.50	710.08
	1	SLU	TAG				0.00	0.00
	1	SLU	ECC				0.00	0.00
	1	SLU	TOT	22439.10	7919.89	167.35	40932.50	710.08

2	2	SLE R	RVN	16621.60	5866.59	123.96	30320.30	525.99
	2	SLE R	TAG				0.00	0.00
	2	SLE R	ECC				0.00	0.00
	2	SLE R	TOT	16621.60	5866.59	123.96	30320.30	525.99
3	3	SLE F	RVN	16621.60	5866.59	123.96	30320.30	525.99
	3	SLE F	TAG				0.00	0.00
	3	SLE F	ECC				0.00	0.00
	3	SLE F	TOT	16621.60	5866.59	123.96	30320.30	525.99
4	4	SLE Q	RVN	16621.60	5866.59	123.96	30320.30	525.99
	4	SLE Q	TAG				0.00	0.00
	4	SLE Q	ECC				0.00	0.00
	4	SLE Q	TOT	16621.60	5866.59	123.96	30320.30	525.99

Sollecitazioni nei pali

Caso	CC	TCC	Palo	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	1	-22439.10	-7919.89	-167.35	-40932.50	-710.08
2	2	SLE R	1	-16621.60	-5866.59	-123.96	-30320.30	-525.99
3	3	SLE F	1	-16621.60	-5866.59	-123.96	-30320.30	-525.99
4	4	SLE Q	1	-16621.60	-5866.59	-123.96	-30320.30	-525.99

Da 0 a -25

Stato limite ultimo - Verifiche a flessione/pressoflessione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	Rott.	α <grad>	Sic.
1	0.00	1	SLU	-22439.10	40429.50	-701.36	-22439.10	156173.00	-3393.46	2-3	181.25	3.863
2	59.52	1	SLU	-23083.10	43736.60	-758.73	-23083.10	156444.00	-3410.68	2-3	181.25	3.577
3	119.05	1	SLU	-22691.00	44645.70	-774.50	-22691.00	156279.00	-3400.19	2-3	181.25	3.501
4	178.57	1	SLU	-22301.70	43725.00	-758.53	-22301.70	156115.00	-3389.79	2-3	181.25	3.571
5	238.09	1	SLU	-21915.30	41466.00	-719.34	-21915.30	155953.00	-3379.47	2-3	181.25	3.761
6	297.62	1	SLU	-21531.60	38285.10	-664.16	-21531.60	155791.00	-3369.24	2-3	181.25	4.070
7	357.14	1	SLU	-21150.70	34527.40	-598.97	-21150.70	155631.00	-3359.10	2-3	181.25	4.508
8	416.67	1	SLU	-20772.50	30472.20	-528.62	-20772.50	155472.00	-3349.03	2-3	181.25	5.102
9	476.19	1	SLU	-20396.90	26339.70	-456.93	-20396.90	155313.00	-3339.05	2-3	181.25	5.897
10	535.71	1	SLU	-20023.90	22297.40	-386.81	-20023.90	155156.00	-3329.15	2-3	181.25	6.959
11	595.24	1	SLU	-19653.40	18467.90	-320.37	-19653.40	155001.00	-3319.33	2-3	181.25	8.394
12	654.76	1	SLU	-19285.50	14935.20	-259.09	-19285.50	154846.00	-3309.59	2-3	181.25	10.369
13	714.29	1	SLU	-18920.00	11751.80	-203.87	-18920.00	154692.00	-3299.93	2-3	181.25	13.164
14	773.81	1	SLU	-18556.80	8944.40	-155.16	-18556.80	154539.00	-3290.34	2-3	181.25	17.279
15	833.33	1	SLU	-18196.10	6519.55	-113.10	-18196.10	154386.00	-3280.76	2-3	181.25	23.682
16	892.86	1	SLU	-17837.60	4468.46	-77.52	-17837.60	154235.00	-3271.26	2-3	181.25	34.519
17	952.38	1	SLU	-17481.50	2771.11	-48.07	-17481.50	154085.00	-3261.34	2-3	181.25	55.608
18	1011.90	1	SLU	-17127.50	1399.83	-24.28	-17127.50	153935.00	-3251.49	2-3	181.25	>100
19	1071.43	1	SLU	-16775.70	322.19	-5.59	-2571250.00	153786.00	-3241.71	2-3	181.25	>100
20	1130.95	1	SLU	-16426.10	-496.67	8.62	-2571250.00	-153744.00	3561.52	2-3	1.25	>100
21	1190.48	1	SLU	-16078.50	-1092.12	18.95	-16078.50	-153598.00	3569.19	2-3	1.25	>100
22	1250.00	1	SLU	-15733.00	-1498.70	26.00	-15733.00	-153452.00	3577.38	2-3	1.25	>100
23	1309.52	1	SLU	-15389.40	-1749.06	30.34	-15389.40	-153307.00	3585.49	2-3	1.25	87.662
24	1369.05	1	SLU	-15047.80	-1873.28	32.50	-15047.80	-153162.00	3593.55	2-3	1.25	81.772
25	1428.57	1	SLU	-14708.20	-1898.42	32.93	-14708.20	-153018.00	3601.55	2-3	1.25	80.613
26	1488.10	1	SLU	-14370.40	-1848.33	32.06	-14370.40	-152876.00	3609.48	2-3	1.25	82.721
27	1547.62	1	SLU	-14034.40	-1743.59	30.25	-14034.40	-152734.00	3617.36	2-3	1.25	87.609
28	1607.14	1	SLU	-13700.20	-1601.60	27.78	-13700.20	-152592.00	3625.18	2-3	1.25	95.288
29	1666.67	1	SLU	-13367.70	-1436.75	24.92	-13367.70	-152452.00	3632.94	2-3	1.25	>100
30	1726.19	1	SLU	-13037.00	-1260.71	21.87	-13037.00	-152312.00	3640.64	2-3	1.25	>100
31	1785.71	1	SLU	-12707.90	-1082.63	18.78	-12707.90	-152173.00	3648.29	2-3	1.25	>100
32	1845.24	1	SLU	-12380.40	-909.53	15.78	-12380.40	-152034.00	3655.89	2-3	1.25	>100
33	1904.76	1	SLU	-12054.50	-746.55	12.95	-12054.50	-151896.00	3663.44	2-3	1.25	>100
34	1964.29	1	SLU	-11730.10	-597.26	10.36	-2571250.00	-151759.00	3670.94	2-3	1.25	>100
35	2023.81	1	SLU	-11407.20	-463.95	8.05	-2571250.00	-151622.00	3678.39	2-3	1.25	>100
36	2083.33	1	SLU	-11085.70	-347.89	6.04	-2571250.00	-151486.00	3685.79	2-3	1.25	>100
37	2142.86	1	SLU	-10765.70	-249.53	4.33	-2571250.00	-151351.00	3693.14	2-3	1.25	>100
38	2202.38	1	SLU	-10447.00	-168.74	2.93	-2571250.00	-151216.00	3700.45	2-3	1.25	>100
39	2261.90	1	SLU	-10129.70	-104.93	1.82	-2571250.00	-151082.00	3707.71	2-3	1.25	>100
40	2321.43	1	SLU	-9813.59	-57.25	0.99	-2571250.00	-150948.00	3714.93	2-3	1.25	>100
41	2380.95	1	SLU	-9498.77	-24.64	0.43	-2571250.00	-150816.00	3722.05	2-3	1.25	>100
42	2440.48	1	SLU	-9185.16	-5.96	0.10	-2571250.00	-150684.00	3729.13	2-3	1.25	>100
43	2500.00	1	SLU	-8872.72	0.00	0.00	-2571250.00					>100

Stato limite ultimo - Verifiche a taglio

Caso	X <cm>	CC	TCC	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1	0.00	1	SLU	7919.89	167.35	0.85	11.31	7921.66	1.00	32294.70	334882.00	32294.70	4.077
2	59.52	1	SLU	3371.63	71.24	0.85	11.31	3372.38	1.00	32294.70	334974.00	32294.70	9.576
3	119.05	1	SLU	-158.05	-3.34	0.85	11.31	158.09	1.00	32294.70	334918.00	32294.70	>100

4	178.57	1	SLU	-2797.69	-59.12	0.85	11.31	2798.31	1.00	32294.70	334863.00	32294.70	11.541
5	238.09	1	SLU	-4675.57	-98.80	0.85	11.31	4676.62	1.00	32294.70	334807.00	32294.70	6.906
6	297.62	1	SLU	-5915.17	-124.99	0.85	11.31	5916.49	1.00	32294.70	334752.00	32294.70	5.458
7	357.14	1	SLU	-6631.93	-140.13	0.85	11.31	6633.41	1.00	32294.70	334698.00	32294.70	4.869
8	416.67	1	SLU	-6931.12	-146.46	0.85	11.31	6932.66	1.00	32294.70	334643.00	32294.70	4.658
9	476.19	1	SLU	-6906.62	-145.94	0.85	11.31	6908.16	1.00	32294.70	334590.00	32294.70	4.675
10	535.71	1	SLU	-6640.42	-140.31	0.85	11.31	6641.90	1.00	32294.70	334536.00	32294.70	4.862
11	595.24	1	SLU	-6202.62	-131.06	0.85	11.31	6204.00	1.00	32294.70	334483.00	32294.70	5.205
12	654.76	1	SLU	-5651.91	-119.43	0.85	11.31	5653.18	1.00	32294.70	334431.00	32294.70	5.713
13	714.29	1	SLU	-5036.35	-106.42	0.85	11.31	5037.47	1.00	32294.70	334378.00	32294.70	6.411
14	773.81	1	SLU	-4394.25	-92.85	0.85	11.31	4395.24	1.00	32294.70	334326.00	32294.70	7.348
15	833.33	1	SLU	-3755.31	-79.35	0.85	11.31	3756.15	1.00	32294.70	334275.00	32294.70	8.598
16	892.86	1	SLU	-3141.64	-66.38	0.85	11.31	3142.34	1.00	32294.70	334223.00	32294.70	10.277
17	952.38	1	SLU	-2568.92	-54.28	0.85	11.31	2569.49	1.00	32294.70	334172.00	32294.70	12.569
18	1011.90	1	SLU	-2047.43	-43.26	0.85	11.31	2047.89	1.00	32294.70	334121.00	32294.70	15.770
19	1071.43	1	SLU	-1583.04	-33.45	0.85	11.31	1583.39	1.00	32294.70	334071.00	32294.70	20.396
20	1130.95	1	SLU	-1178.08	-24.89	0.85	11.31	1178.35	1.00	32294.70	334021.00	32294.70	27.407
21	1190.48	1	SLU	-832.20	-17.58	0.85	11.31	832.38	1.00	32294.70	333971.00	32294.70	38.798
22	1250.00	1	SLU	-542.98	-11.47	0.85	11.31	543.11	1.00	32294.70	333922.00	32294.70	59.463
23	1309.52	1	SLU	-306.61	-6.48	0.85	11.31	306.68	1.00	32294.70	333872.00	32294.70	>100
24	1369.05	1	SLU	-118.32	-2.50	0.85	11.31	118.35	1.00	32294.70	333824.00	32294.70	>100
25	1428.57	1	SLU	27.17	0.57	0.85	11.31	27.18	1.00	32294.70	333775.00	32294.70	>100
26	1488.10	1	SLU	135.36	2.86	0.85	11.31	135.39	1.00	32294.70	333726.00	32294.70	>100
27	1547.62	1	SLU	211.68	4.47	0.85	11.31	211.73	1.00	32294.70	333678.00	32294.70	>100
28	1607.14	1	SLU	261.36	5.52	0.85	11.31	261.42	1.00	32294.70	333631.00	32294.70	>100
29	1666.67	1	SLU	289.23	6.11	0.85	11.31	289.29	1.00	32294.70	333583.00	32294.70	>100
30	1726.19	1	SLU	299.69	6.33	0.85	11.31	299.76	1.00	32294.70	333535.00	32294.70	>100
31	1785.71	1	SLU	296.65	6.27	0.85	11.31	296.72	1.00	32294.70	333488.00	32294.70	>100
32	1845.24	1	SLU	283.50	5.99	0.85	11.31	283.56	1.00	32294.70	333441.00	32294.70	>100
33	1904.76	1	SLU	263.10	5.56	0.85	11.31	263.16	1.00	32294.70	333395.00	32294.70	>100
34	1964.29	1	SLU	237.85	5.03	0.85	11.31	237.90	1.00	32294.70	333348.00	32294.70	>100
35	2023.81	1	SLU	209.68	4.43	0.85	11.31	209.73	1.00	32294.70	333302.00	32294.70	>100
36	2083.33	1	SLU	180.13	3.81	0.85	11.31	180.18	1.00	32294.70	333256.00	32294.70	>100
37	2142.86	1	SLU	150.37	3.18	0.85	11.31	150.40	1.00	32294.70	333210.00	32294.70	>100
38	2202.38	1	SLU	121.25	2.56	0.85	11.31	121.28	1.00	32294.70	333165.00	32294.70	>100
39	2261.90	1	SLU	93.37	1.97	0.85	11.31	93.39	1.00	32294.70	333119.00	32294.70	>100
40	2321.43	1	SLU	67.13	1.42	0.85	11.31	67.14	1.00	32294.70	333074.00	32294.70	>100
41	2380.95	1	SLU	42.75	0.90	0.85	11.31	42.76	1.00	32294.70	333029.00	32294.70	>100
42	2440.48	1	SLU	20.36	0.43	0.85	11.31	20.37	1.00	32294.70	332984.00	32294.70	>100

Verifiche stato limite d'esercizio

Caso	X <cm>	CC	TCC	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ_C <daN/cmq>	σ_f <daN/cmq>
44	0.00	2	SLE R	-16621.60	-519.52	29947.70	50.27	28.27	30.06	902.82
45	59.52	2	SLE R	-17334.40	-562.02	32397.50	50.27	28.27	32.55	985.57
46	119.05	2	SLE R	-17079.30	-573.70	33070.90	50.27	28.27	33.24	1014.55
47	178.57	2	SLE R	-16826.30	-561.87	32388.90	50.27	28.27	32.56	992.26
48	238.09	2	SLE R	-16575.40	-532.84	30715.60	50.27	28.27	30.85	932.47
49	297.62	2	SLE R	-16326.70	-491.97	28359.30	50.27	28.27	28.45	846.88
50	357.14	2	SLE R	-16080.00	-443.68	25575.80	50.27	28.27	25.60	745.23
51	416.67	2	SLE R	-15835.40	-391.57	22572.00	47.12	31.42	22.52	635.45
52	476.19	2	SLE R	-15592.70	-338.47	19510.90	47.12	31.42	19.37	523.82
53	535.71	2	SLE R	-15352.10	-286.52	16516.60	47.12	31.42	16.28	415.23
54	595.24	2	SLE R	-15113.40	-237.31	13679.90	47.12	31.42	13.34	313.42
55	654.76	2	SLE R	-14876.60	-191.92	11063.10	43.98	34.56	10.60	221.33
56	714.29	2	SLE R	-14641.80	-151.01	8705.05	40.84	37.70	8.11	141.57
57	773.81	2	SLE R	-14408.70	-114.94	6625.48	37.70	40.84	5.93	80.59
58	833.33	2	SLE R	-14177.50	-83.78	4829.30	31.42	47.12	4.16	57.59
59	892.86	2	SLE R	-13948.10	-57.42	3309.97	21.99	56.55	2.93	41.27
60	952.38	2	SLE R	-13720.50	-35.61	2052.67	0.00	78.54	2.18	31.13
61	1011.90	2	SLE R	-13494.60	-17.99	1036.91	0.00	78.54	1.63	23.73
62	1071.43	2	SLE R	-13270.50	-4.14	238.66	0.00	78.54	1.20	17.85
63	1130.95	2	SLE R	-13048.00	6.38	-367.90	0.00	78.54	1.25	18.50
64	1190.48	2	SLE R	-12827.10	14.03	-808.98	0.00	78.54	1.46	21.33
65	1250.00	2	SLE R	-12607.90	19.26	-1110.15	0.00	78.54	1.60	23.18
66	1309.52	2	SLE R	-12390.30	22.48	-1295.60	0.00	78.54	1.68	24.22
67	1369.05	2	SLE R	-12174.30	24.07	-1387.61	0.00	78.54	1.71	24.60
68	1428.57	2	SLE R	-11959.80	24.39	-1406.24	0.00	78.54	1.70	24.47
69	1488.10	2	SLE R	-11746.90	23.75	-1369.14	0.00	78.54	1.66	23.95
70	1547.62	2	SLE R	-11535.40	22.41	-1291.55	0.00	78.54	1.61	23.15
71	1607.14	2	SLE R	-11325.40	20.58	-1186.37	0.00	78.54	1.53	22.15
72	1666.67	2	SLE R	-11116.80	18.46	-1064.26	0.00	78.54	1.45	21.04
73	1726.19	2	SLE R	-10909.70	16.20	-933.86	0.00	78.54	1.37	19.87
74	1785.71	2	SLE R	-10703.90	13.91	-801.95	0.00	78.54	1.29	18.69
75	1845.24	2	SLE R	-10499.50	11.69	-673.73	0.00	78.54	1.20	17.54
76	1904.76	2	SLE R	-10296.40	9.59	-553.00	0.00	78.54	1.12	16.44
77	1964.29	2	SLE R	-10094.60	7.67	-442.41	0.00	78.54	1.05	15.42

78	2023.81	2	SLE R	-9894.15	5.96	-343.67	0.00	78.54	0.98	14.48
79	2083.33	2	SLE R	-9694.91	4.47	-257.70	0.00	78.54	0.92	13.63
80	2142.86	2	SLE R	-9496.91	3.21	-184.84	0.00	78.54	0.87	12.88
81	2202.38	2	SLE R	-9300.11	2.17	-124.99	0.00	78.54	0.82	12.22
82	2261.90	2	SLE R	-9104.49	1.35	-77.73	0.00	78.54	0.78	11.65
83	2321.43	2	SLE R	-8910.03	0.74	-42.41	0.00	78.54	0.75	11.16
84	2380.95	2	SLE R	-8716.70	0.32	-18.25	0.00	78.54	0.72	10.76
85	2440.48	2	SLE R	-8524.47	0.08	-4.41	0.00	78.54	0.70	10.42
86	2500.00	2	SLE R	-8333.34	0.00	0.00	0.00	78.54	0.68	10.16
87	0.00	4	SLE Q	-16621.60	-519.52	29947.70	50.27	28.27	30.06	902.82
88	59.52	4	SLE Q	-17334.40	-562.02	32397.50	50.27	28.27	32.55	985.57
89	119.05	4	SLE Q	-17079.30	-573.70	33070.90	50.27	28.27	33.24	1014.55
90	178.57	4	SLE Q	-16826.30	-561.87	32388.90	50.27	28.27	32.56	992.26
91	238.09	4	SLE Q	-16575.40	-532.84	30715.60	50.27	28.27	30.85	932.47
92	297.62	4	SLE Q	-16326.70	-491.97	28359.30	50.27	28.27	28.45	846.88
93	357.14	4	SLE Q	-16080.00	-443.68	25575.80	50.27	28.27	25.60	745.23
94	416.67	4	SLE Q	-15835.40	-391.57	22572.00	47.12	31.42	22.52	635.45
95	476.19	4	SLE Q	-15592.70	-338.47	19510.90	47.12	31.42	19.37	523.82
96	535.71	4	SLE Q	-15352.10	-286.52	16516.60	47.12	31.42	16.28	415.23
97	595.24	4	SLE Q	-15113.40	-237.31	13679.90	47.12	31.42	13.34	313.42
98	654.76	4	SLE Q	-14876.60	-191.92	11063.10	43.98	34.56	10.60	221.33
99	714.29	4	SLE Q	-14641.80	-151.01	8705.05	40.84	37.70	8.11	141.57
100	773.81	4	SLE Q	-14408.70	-114.94	6625.48	37.70	40.84	5.93	80.59
101	833.33	4	SLE Q	-14177.50	-83.78	4829.30	31.42	47.12	4.16	57.59
102	892.86	4	SLE Q	-13948.10	-57.42	3309.97	21.99	56.55	2.93	41.27
103	952.38	4	SLE Q	-13720.50	-35.61	2052.67	0.00	78.54	2.18	31.13
104	1011.90	4	SLE Q	-13494.60	-17.99	1036.91	0.00	78.54	1.63	23.73
105	1071.43	4	SLE Q	-13270.50	-4.14	238.66	0.00	78.54	1.20	17.85
106	1130.95	4	SLE Q	-13048.00	6.38	-367.90	0.00	78.54	1.25	18.50
107	1190.48	4	SLE Q	-12827.10	14.03	-808.98	0.00	78.54	1.46	21.33
108	1250.00	4	SLE Q	-12607.90	19.26	-1110.15	0.00	78.54	1.60	23.18
109	1309.52	4	SLE Q	-12390.30	22.48	-1295.60	0.00	78.54	1.68	24.22
110	1369.05	4	SLE Q	-12174.30	24.07	-1387.61	0.00	78.54	1.71	24.60
111	1428.57	4	SLE Q	-11959.80	24.39	-1406.24	0.00	78.54	1.70	24.47
112	1488.10	4	SLE Q	-11746.90	23.75	-1369.14	0.00	78.54	1.66	23.95
113	1547.62	4	SLE Q	-11535.40	22.41	-1291.55	0.00	78.54	1.61	23.15
114	1607.14	4	SLE Q	-11325.40	20.58	-1186.37	0.00	78.54	1.53	22.15
115	1666.67	4	SLE Q	-11116.80	18.46	-1064.26	0.00	78.54	1.45	21.04
116	1726.19	4	SLE Q	-10909.70	16.20	-933.86	0.00	78.54	1.37	19.87
117	1785.71	4	SLE Q	-10703.90	13.91	-801.95	0.00	78.54	1.29	18.69
118	1845.24	4	SLE Q	-10499.50	11.69	-673.73	0.00	78.54	1.20	17.54
119	1904.76	4	SLE Q	-10296.40	9.59	-553.00	0.00	78.54	1.12	16.44
120	1964.29	4	SLE Q	-10094.60	7.67	-442.41	0.00	78.54	1.05	15.42
121	2023.81	4	SLE Q	-9894.15	5.96	-343.67	0.00	78.54	0.98	14.48
122	2083.33	4	SLE Q	-9694.91	4.47	-257.70	0.00	78.54	0.92	13.63
123	2142.86	4	SLE Q	-9496.91	3.21	-184.84	0.00	78.54	0.87	12.88
124	2202.38	4	SLE Q	-9300.11	2.17	-124.99	0.00	78.54	0.82	12.22
125	2261.90	4	SLE Q	-9104.49	1.35	-77.73	0.00	78.54	0.78	11.65
126	2321.43	4	SLE Q	-8910.03	0.74	-42.41	0.00	78.54	0.75	11.16
127	2380.95	4	SLE Q	-8716.70	0.32	-18.25	0.00	78.54	0.72	10.76
128	2440.48	4	SLE Q	-8524.47	0.08	-4.41	0.00	78.54	0.70	10.42
129	2500.00	4	SLE Q	-8333.34	0.00	0.00	0.00	78.54	0.68	10.16

Stato limite d'esercizio – Verifiche a fessurazione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	c <mm>	s <mm>	K_2	Φ_{eq}	Δ_{sm} <mm>	A_s <cmq>	$A_{c\ eff}$ <cmq>	σ_s <daN/cmq>	ε_{sm}	Wk <mm>
87	0.00	4	SLE Q	-16621.60	29947.70	-519.52	46.00	136.36	0.50	20.00	211.34	21.99	1312.18	902.82	0.26	0.09
88	59.52	4	SLE Q	-17334.40	32397.50	-562.02	46.00	136.36	0.50	20.00	211.57	21.99	1314.76	985.57	0.29	0.10
89	119.05	4	SLE Q	-17079.30	33070.90	-573.70	46.00	136.36	0.50	20.00	211.79	21.99	1317.14	1014.55	0.30	0.11
90	178.57	4	SLE Q	-16826.30	32388.90	-561.87	46.00	136.36	0.50	20.00	211.75	21.99	1316.75	992.26	0.29	0.10
91	238.09	4	SLE Q	-16575.40	30715.60	-532.84	46.00	136.36	0.50	20.00	211.52	21.99	1314.17	932.47	0.27	0.10
92	297.62	4	SLE Q	-16326.70	28359.30	-491.97	46.00	136.36	0.50	20.00	211.09	21.99	1309.48	846.88	0.25	0.09
93	357.14	4	SLE Q	-16080.00	25575.80	-443.68	46.00	136.36	0.50	20.00	210.45	21.99	1302.46	745.23	0.22	0.08
94	416.67	4	SLE Q	-15835.40	22572.00	-391.57	46.00	136.36	0.50	20.00	209.55	21.99	1292.53	635.45	0.19	0.07
95	476.19	4	SLE Q	-15592.70	19510.90	-338.47	46.00	136.36	0.50	20.00	208.29	21.99	1278.71	523.82	0.15	0.05
96	535.71	4	SLE Q	-15352.10	16516.60	-286.52	46.00	136.36	0.50	20.00	206.52	21.99	1259.26	415.23	0.12	0.04
97	595.24	4	SLE Q	-15113.40	13679.90	-237.31	46.00	136.36	0.50	20.00	203.97	21.99	1231.19	313.42	0.09	0.03
98	654.76	4	SLE Q	-14876.60	11063.10	-191.92	46.00	136.36	0.50	20.00	200.15	21.99	1189.21	221.33	0.06	0.02
99	714.29	4	SLE Q	-14641.80	8705.05	-151.01	46.00	136.36	0.50	20.00	194.12	21.99	1122.91	141.57	0.04	0.01
100	773.81	4	SLE Q	-14408.70	6625.48	-114.94	46.00	136.36	0.50	20.00	198.59	18.85	1004.64	77.27	0.02	0.01
101	833.33	4	SLE Q	-14177.50	4829.30	-83.78	46.00	136.36	0.50	20.00	189.54	15.71	766.07	32.54	0.01	0.00
102	892.86	4	SLE Q	-13948.10	3309.97	-57.42	46.00	136.36	0.50	20.00	154.43	9.42	294.21	8.43	0.00	0.00
130	0.00	3	SLE F	-16621.60	29947.70	-519.52	46.00	136.36	0.50	20.00	211.34	21.99	1312.18	902.82	0.26	0.09
131	59.52	3	SLE F	-17334.40	32397.50	-562.02	46.00	136.36	0.50	20.00	211.57	21.99	1314.76	985.57	0.29	0.10
132	119.05	3	SLE F	-17079.30	33070.90	-573.70	46.00	136.36	0.50	20.00	211.79	21.99	1317.14	1014.55	0.30	0.11
133	178.57	3	SLE F	-16826.30	32388.90	-561.87	46.00	136.36	0.50	20.00	211.75	21.99	1316.75	992.26	0.29	0.10
134	238.09	3	SLE F	-16575.40	30715.60	-532.84	46.00	136.36	0.50	20.00	211.52	21.99	1314.17	932.47	0.27	0.10

135	297.62	3	SLE F	-16326.70	28359.30	-491.97	46.00	136.36	0.50	20.00	211.09	21.99	1309.48	846.88	0.25	0.09
136	357.14	3	SLE F	-16080.00	25575.80	-443.68	46.00	136.36	0.50	20.00	210.45	21.99	1302.46	745.23	0.22	0.08
137	416.67	3	SLE F	-15835.40	22572.00	-391.57	46.00	136.36	0.50	20.00	209.55	21.99	1292.53	635.45	0.19	0.07
138	476.19	3	SLE F	-15592.70	19510.90	-338.47	46.00	136.36	0.50	20.00	208.29	21.99	1278.71	523.82	0.15	0.05
139	535.71	3	SLE F	-15352.10	16516.60	-286.52	46.00	136.36	0.50	20.00	206.52	21.99	1259.26	415.23	0.12	0.04
140	595.24	3	SLE F	-15113.40	13679.90	-237.31	46.00	136.36	0.50	20.00	203.97	21.99	1231.19	313.42	0.09	0.03
141	654.76	3	SLE F	-14876.60	11063.10	-191.92	46.00	136.36	0.50	20.00	200.15	21.99	1189.21	221.33	0.06	0.02
142	714.29	3	SLE F	-14641.80	8705.05	-151.01	46.00	136.36	0.50	20.00	194.12	21.99	1122.91	141.57	0.04	0.01
143	773.81	3	SLE F	-14408.70	6625.48	-114.94	46.00	136.36	0.50	20.00	198.59	18.85	1004.64	77.27	0.02	0.01
144	833.33	3	SLE F	-14177.50	4829.30	-83.78	46.00	136.36	0.50	20.00	189.54	15.71	766.07	32.54	0.01	0.00
145	892.86	3	SLE F	-13948.10	3309.97	-57.42	46.00	136.36	0.50	20.00	154.43	9.42	294.21	8.43	0.00	0.00

Verifiche principali

Caso	Tipo
1	SLU Taglio - min. sic. c.a.,SLU Taglio - min. sic. acciaio
3	SLU N cost - min. sic.
46	C.Rare - Sc min (max compr.),C.Rare - Sf max (max traz.),C.Rare - Sf min (max compr.)
60	C.Rare - Sc max (min. compr.)
89	C.Q.Per. - Sc min (max compr.),C.Q.Per. - Sf max (max traz.),C.Q.Per. - Sf min (max compr.),C.Q.Per. - Wk Max
103	C.Q.Per. - Sc max (min. compr.)
132	C.Freq - Wk Max

Palo n. 13

Caratteristiche del palo e dei materiali utilizzati

R <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
60.00	6.00	C30/37	307.10	20.59	174.02	13.73	B450C	4300.00	3913.04

Le sollecitazioni nei pali vengono calcolate oltre che per l'effetto delle reazioni vincolari anche considerando i seguenti effetti

Azioni ed effetti comuni

Az	N <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
PP	0.00	0.00	0.00	
SVR	0.00			

Azioni ed effetti - Plinto/Palo n. 13 (-3)

Caso	CC	TCC	Az	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	RVN	22677.90	7902.10	-170.24	40951.70	-324.37
	1	SLU	TAG				0.00	0.00
	1	SLU	ECC				0.00	0.00
	1	SLU	TOT	22677.90	7902.10	-170.24	40951.70	-324.37
2	2	SLE R	RVN	16798.40	5853.41	-126.10	30334.60	-240.28
	2	SLE R	TAG				0.00	0.00
	2	SLE R	ECC				0.00	0.00
	2	SLE R	TOT	16798.40	5853.41	-126.10	30334.60	-240.28
3	3	SLE F	RVN	16798.40	5853.41	-126.10	30334.60	-240.28
	3	SLE F	TAG				0.00	0.00
	3	SLE F	ECC				0.00	0.00
	3	SLE F	TOT	16798.40	5853.41	-126.10	30334.60	-240.28
4	4	SLE Q	RVN	16798.40	5853.41	-126.10	30334.60	-240.28
	4	SLE Q	TAG				0.00	0.00
	4	SLE Q	ECC				0.00	0.00
	4	SLE Q	TOT	16798.40	5853.41	-126.10	30334.60	-240.28

Sollecitazioni nei pali

Caso	CC	TCC	Palo	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	1	-22677.90	-7902.10	170.24	-40951.70	324.37
2	2	SLE R	1	-16798.40	-5853.41	126.10	-30334.60	240.28
3	3	SLE F	1	-16798.40	-5853.41	126.10	-30334.60	240.28
4	4	SLE Q	1	-16798.40	-5853.41	126.10	-30334.60	240.28

Da 0 a -25

Stato limite ultimo - Verifiche a flessione/pressoflessione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	Rott.	α <grad>	Sic.
1	0.00	1	SLU	-22677.90	40449.00	320.39	-22677.90	156342.00	7.46	2-3	180.00	3.865
2	59.52	1	SLU	-23319.00	43747.20	346.52	-23319.00	156611.00	-8.09	2-3	180.00	3.580
3	119.05	1	SLU	-22921.30	44649.20	353.66	-22921.30	156444.00	1.57	2-3	180.00	3.504
4	178.57	1	SLU	-22526.40	43723.00	346.32	-22526.40	156278.00	11.13	2-3	180.00	3.574
5	238.09	1	SLU	-22134.40	41460.00	328.40	-22134.40	156113.00	20.61	2-3	180.00	3.765

6	297.62	1	SLU	-21745.30	38276.30	303.18	-21745.30	155949.00	30.00	2-3	180.00	4.074
7	357.14	1	SLU	-21358.80	34516.80	273.40	-21358.80	155787.00	39.32	2-3	180.00	4.513
8	416.67	1	SLU	-20975.10	30460.70	241.28	-20975.10	155625.00	48.55	2-3	180.00	5.109
9	476.19	1	SLU	-20594.10	26327.90	208.54	-20594.10	155465.00	57.70	2-3	180.00	5.905
10	535.71	1	SLU	-20215.60	22285.80	176.52	-20215.60	155305.00	66.77	2-3	180.00	6.969
11	595.24	1	SLU	-19839.80	18456.80	146.19	-19839.80	155147.00	75.77	2-3	180.00	8.406
12	654.76	1	SLU	-19466.40	14925.00	118.22	-19466.40	154990.00	84.70	2-3	180.00	10.384
13	714.29	1	SLU	-19095.50	11742.60	93.01	-19095.50	154834.00	93.55	2-3	180.00	13.185
14	773.81	1	SLU	-18727.10	8936.21	70.78	-18727.10	154679.00	102.32	2-3	180.00	17.309
15	833.33	1	SLU	-18361.00	6512.46	51.58	-18361.00	154525.00	111.02	2-3	180.00	23.727
16	892.86	1	SLU	-17997.30	4462.44	35.35	-17997.30	154372.00	119.66	2-3	180.00	34.593
17	952.38	1	SLU	-17635.80	2766.11	21.91	-17635.80	154219.00	128.26	2-3	180.00	55.751
18	1011.90	1	SLU	-17276.60	1395.78	11.06	-17276.60	154068.00	136.84	2-3	180.00	>100
19	1071.43	1	SLU	-16919.60	318.99	2.53	-2571250.00	153917.00	146.02	2-3	180.00	>100
20	1130.95	1	SLU	-16564.70	-499.11	-3.95	-2571250.00	-153741.00	-1543.95	2-3	359.38	>100
21	1190.48	1	SLU	-16211.90	-1093.91	-8.66	-16211.90	-153591.00	-1534.54	2-3	359.38	>100
22	1250.00	1	SLU	-15861.20	-1499.93	-11.88	-15861.20	-153443.00	-1525.20	2-3	359.38	>100
23	1309.52	1	SLU	-15512.50	-1749.84	-13.86	-15512.50	-153296.00	-1515.92	2-3	359.38	87.607
24	1369.05	1	SLU	-15165.80	-1873.69	-14.84	-15165.80	-153149.00	-1506.71	2-3	359.38	81.738
25	1428.57	1	SLU	-14821.00	-1898.54	-15.04	-14821.00	-153003.00	-1497.57	2-3	359.38	80.591
26	1488.10	1	SLU	-14478.00	-1848.23	-14.64	-14478.00	-152858.00	-1488.48	2-3	359.38	82.706
27	1547.62	1	SLU	-14137.00	-1743.33	-13.81	-14137.00	-152713.00	-1479.45	2-3	359.38	87.600
28	1607.14	1	SLU	-13797.70	-1601.23	-12.68	-13797.70	-152570.00	-1470.48	2-3	359.38	95.284
29	1666.67	1	SLU	-13460.10	-1436.32	-11.38	-13460.10	-152427.00	-1461.57	2-3	359.38	>100
30	1726.19	1	SLU	-13124.30	-1260.25	-9.98	-13124.30	-152285.00	-1452.71	2-3	359.38	>100
31	1785.71	1	SLU	-12790.10	-1082.17	-8.57	-12790.10	-152143.00	-1443.91	2-3	359.38	>100
32	1845.24	1	SLU	-12457.60	-909.09	-7.20	-12457.60	-152003.00	-1435.16	2-3	359.38	>100
33	1904.76	1	SLU	-12126.60	-746.14	-5.91	-12126.60	-151862.00	-1426.46	2-3	359.38	>100
34	1964.29	1	SLU	-11797.20	-596.90	-4.73	-2571250.00	-151723.00	-1417.81	2-3	359.38	>100
35	2023.81	1	SLU	-11469.30	-463.64	-3.67	-2571250.00	-151584.00	-1409.22	2-3	359.38	>100
36	2083.33	1	SLU	-11142.80	-347.64	-2.75	-2571250.00	-151446.00	-1400.67	2-3	359.38	>100
37	2142.86	1	SLU	-10817.80	-249.34	-1.97	-2571250.00	-151309.00	-1392.22	2-3	359.38	>100
38	2202.38	1	SLU	-10494.10	-168.59	-1.34	-2571250.00	-151173.00	-1383.81	2-3	359.38	>100
39	2261.90	1	SLU	-10171.70	-104.83	-0.83	-2571250.00	-151037.00	-1375.45	2-3	359.38	>100
40	2321.43	1	SLU	-9850.67	-57.19	-0.45	-2571250.00	-150901.00	-1367.11	2-3	359.38	>100
41	2380.95	1	SLU	-9530.87	-24.62	-0.19	-2571250.00	-150763.00	-1358.60	2-3	359.38	>100
42	2440.48	1	SLU	-9212.27	-5.95	-0.05	-2571250.00	-150628.00	-1350.31	2-3	359.38	>100
43	2500.00	1	SLU	-8894.85	0.00	0.00	-2571250.00					>100

Stato limite ultimo - Verifiche a taglio

Caso	X <cm>	CC	TCC	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1	0.00	1	SLU	7902.10	-170.24	0.85	11.31	7903.93	1.00	32294.70	334916.00	32294.70	4.086
2	59.52	1	SLU	3357.73	-72.34	0.85	11.31	3358.51	1.00	32294.70	335008.00	32294.70	9.616
3	119.05	1	SLU	-168.53	3.63	0.85	11.31	168.56	1.00	32294.70	334951.00	32294.70	>100
4	178.57	1	SLU	-2805.23	60.43	0.85	11.31	2805.88	1.00	32294.70	334895.00	32294.70	11.510
5	238.09	1	SLU	-4680.63	100.83	0.85	11.31	4681.72	1.00	32294.70	334839.00	32294.70	6.898
6	297.62	1	SLU	-5918.20	127.50	0.85	11.31	5919.57	1.00	32294.70	334783.00	32294.70	5.456
7	357.14	1	SLU	-6633.32	142.90	0.85	11.31	6634.86	1.00	32294.70	334728.00	32294.70	4.867
8	416.67	1	SLU	-6931.24	149.32	0.85	11.31	6932.84	1.00	32294.70	334673.00	32294.70	4.658
9	476.19	1	SLU	-6905.78	148.77	0.85	11.31	6907.39	1.00	32294.70	334618.00	32294.70	4.675
10	535.71	1	SLU	-6638.89	143.02	0.85	11.31	6640.43	1.00	32294.70	334564.00	32294.70	4.863
11	595.24	1	SLU	-6200.63	133.58	0.85	11.31	6202.07	1.00	32294.70	334510.00	32294.70	5.207
12	654.76	1	SLU	-5649.65	121.71	0.85	11.31	5650.96	1.00	32294.70	334456.00	32294.70	5.715
13	714.29	1	SLU	-5033.96	108.45	0.85	11.31	5035.13	1.00	32294.70	334403.00	32294.70	6.414
14	773.81	1	SLU	-4391.86	94.61	0.85	11.31	4392.88	1.00	32294.70	334351.00	32294.70	7.352
15	833.33	1	SLU	-3752.99	80.85	0.85	11.31	3753.86	1.00	32294.70	334298.00	32294.70	8.603
16	892.86	1	SLU	-3139.47	67.63	0.85	11.31	3140.19	1.00	32294.70	334246.00	32294.70	10.284
17	952.38	1	SLU	-2566.93	55.30	0.85	11.31	2567.53	1.00	32294.70	334194.00	32294.70	12.578
18	1011.90	1	SLU	-2045.65	44.07	0.85	11.31	2046.13	1.00	32294.70	334143.00	32294.70	15.783
19	1071.43	1	SLU	-1581.48	34.07	0.85	11.31	1581.85	1.00	32294.70	334092.00	32294.70	20.416
20	1130.95	1	SLU	-1176.75	25.35	0.85	11.31	1177.02	1.00	32294.70	334041.00	32294.70	27.438
21	1190.48	1	SLU	-831.08	17.90	0.85	11.31	831.27	1.00	32294.70	333990.00	32294.70	38.850
22	1250.00	1	SLU	-542.07	11.68	0.85	11.31	542.19	1.00	32294.70	333940.00	32294.70	59.563
23	1309.52	1	SLU	-305.88	6.59	0.85	11.31	305.95	1.00	32294.70	333890.00	32294.70	>100
24	1369.05	1	SLU	-117.75	2.54	0.85	11.31	117.78	1.00	32294.70	333840.00	32294.70	>100
25	1428.57	1	SLU	27.59	-0.59	0.85	11.31	27.60	1.00	32294.70	333791.00	32294.70	>100
26	1488.10	1	SLU	135.66	-2.92	0.85	11.31	135.69	1.00	32294.70	333742.00	32294.70	>100
27	1547.62	1	SLU	211.88	-4.56	0.85	11.31	211.93	1.00	32294.70	333693.00	32294.70	>100
28	1607.14	1	SLU	261.47	-5.63	0.85	11.31	261.53	1.00	32294.70	333644.00	32294.70	>100
29	1666.67	1	SLU	289.27	-6.23	0.85	11.31	289.33	1.00	32294.70	333596.00	32294.70	>100
30	1726.19	1	SLU	299.68	-6.46	0.85	11.31	299.75	1.00	32294.70	333548.00	32294.70	>100
31	1785.71	1	SLU	296.60	-6.39	0.85	11.31	296.67	1.00	32294.70	333500.00	32294.70	>100
32	1845.24	1	SLU	283.41	-6.11	0.85	11.31	283.48	1.00	32294.70	333453.00	32294.70	>100
33	1904.76	1	SLU	262.99	-5.67	0.85	11.31	263.06	1.00	32294.70	333405.00	32294.70	>100
34	1964.29	1	SLU	237.73	-5.12	0.85	11.31	237.79	1.00	32294.70	333358.00	32294.70	>100
35	2023.81	1	SLU	209.57	-4.51	0.85	11.31	209.61	1.00	32294.70	333311.00	32294.70	>100

36	2083.33	1	SLU	180.02	-3.88	0.85	11.31	180.06	1.00	32294.70	333264.00	32294.70	>100
37	2142.86	1	SLU	150.26	-3.24	0.85	11.31	150.29	1.00	32294.70	333218.00	32294.70	>100
38	2202.38	1	SLU	121.15	-2.61	0.85	11.31	121.18	1.00	32294.70	333171.00	32294.70	>100
39	2261.90	1	SLU	93.28	-2.01	0.85	11.31	93.30	1.00	32294.70	333125.00	32294.70	>100
40	2321.43	1	SLU	67.06	-1.44	0.85	11.31	67.07	1.00	32294.70	333079.00	32294.70	>100
41	2380.95	1	SLU	42.70	-0.92	0.85	11.31	42.71	1.00	32294.70	333033.00	32294.70	>100
42	2440.48	1	SLU	20.34	-0.44	0.85	11.31	20.34	1.00	32294.70	332988.00	32294.70	>100

Verifiche stato limite d'esercizio

Caso	X <cm>	CC	TCC	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ_C <daN/cmq>	σ_f <daN/cmq>
44	0.00	2	SLE R	-16798.40	237.33	29962.20	50.27	28.27	30.07	899.85
45	59.52	2	SLE R	-17509.20	256.68	32405.30	50.27	28.27	32.55	982.29
46	119.05	2	SLE R	-17249.90	261.97	33073.50	50.27	28.27	33.24	1011.09
47	178.57	2	SLE R	-16992.70	256.54	32387.40	50.27	28.27	32.55	988.73
48	238.09	2	SLE R	-16737.80	243.26	30711.10	50.27	28.27	30.84	928.95
49	297.62	2	SLE R	-16484.90	224.58	28352.80	50.27	28.27	28.44	843.45
50	357.14	2	SLE R	-16234.20	202.52	25568.00	50.27	28.27	25.59	741.94
51	416.67	2	SLE R	-15985.50	178.72	22563.50	50.27	28.27	22.51	632.33
52	476.19	2	SLE R	-15738.80	154.47	19502.10	47.12	31.42	19.36	520.90
53	535.71	2	SLE R	-15494.10	130.76	16508.00	47.12	31.42	16.27	412.54
54	595.24	2	SLE R	-15251.40	108.29	13671.70	47.12	31.42	13.32	310.98
55	654.76	2	SLE R	-15010.70	87.57	11055.50	43.98	34.56	10.58	219.18
56	714.29	2	SLE R	-14771.80	68.90	8698.19	43.98	34.56	8.10	139.77
57	773.81	2	SLE R	-14534.80	52.43	6619.41	37.70	40.84	5.92	80.56
58	833.33	2	SLE R	-14299.70	38.21	4824.04	31.42	47.12	4.15	57.59
59	892.86	2	SLE R	-14066.40	26.18	3305.51	21.99	56.55	2.93	41.36
60	952.38	2	SLE R	-13834.90	16.23	2048.97	0.00	78.54	2.19	31.27
61	1011.90	2	SLE R	-13605.10	8.19	1033.91	0.00	78.54	1.64	23.86
62	1071.43	2	SLE R	-13377.00	1.87	236.29	0.00	78.54	1.21	17.97
63	1130.95	2	SLE R	-13150.70	-2.93	-369.71	0.00	78.54	1.26	18.63
64	1190.48	2	SLE R	-12926.00	-6.42	-810.30	0.00	78.54	1.47	21.45
65	1250.00	2	SLE R	-12703.00	-8.80	-1111.06	0.00	78.54	1.61	23.29
66	1309.52	2	SLE R	-12481.50	-10.27	-1296.18	0.00	78.54	1.69	24.32
67	1369.05	2	SLE R	-12261.70	-10.99	-1387.92	0.00	78.54	1.72	24.70
68	1428.57	2	SLE R	-12043.40	-11.14	-1406.33	0.00	78.54	1.71	24.56
69	1488.10	2	SLE R	-11826.60	-10.84	-1369.06	0.00	78.54	1.67	24.03
70	1547.62	2	SLE R	-11611.40	-10.23	-1291.36	0.00	78.54	1.61	23.22
71	1607.14	2	SLE R	-11397.60	-9.39	-1186.10	0.00	78.54	1.54	22.23
72	1666.67	2	SLE R	-11185.30	-8.43	-1063.94	0.00	78.54	1.46	21.11
73	1726.19	2	SLE R	-10974.30	-7.39	-933.51	0.00	78.54	1.38	19.94
74	1785.71	2	SLE R	-10764.80	-6.35	-801.61	0.00	78.54	1.29	18.75
75	1845.24	2	SLE R	-10556.70	-5.33	-673.40	0.00	78.54	1.21	17.60
76	1904.76	2	SLE R	-10349.90	-4.38	-552.70	0.00	78.54	1.13	16.50
77	1964.29	2	SLE R	-10144.40	-3.50	-442.15	0.00	78.54	1.05	15.47
78	2023.81	2	SLE R	-9940.14	-2.72	-343.44	0.00	78.54	0.99	14.53
79	2083.33	2	SLE R	-9737.19	-2.04	-257.51	0.00	78.54	0.92	13.68
80	2142.86	2	SLE R	-9535.48	-1.46	-184.69	0.00	78.54	0.87	12.92
81	2202.38	2	SLE R	-9334.97	-0.99	-124.88	0.00	78.54	0.82	12.26
82	2261.90	2	SLE R	-9135.66	-0.62	-77.66	0.00	78.54	0.78	11.68
83	2321.43	2	SLE R	-8937.50	-0.34	-42.37	0.00	78.54	0.75	11.19
84	2380.95	2	SLE R	-8740.48	-0.14	-18.24	0.00	78.54	0.72	10.78
85	2440.48	2	SLE R	-8544.56	-0.03	-4.41	0.00	78.54	0.70	10.45
86	2500.00	2	SLE R	-8349.73	0.00	0.00	0.00	78.54	0.68	10.18
87	0.00	4	SLE Q	-16798.40	237.33	29962.20	50.27	28.27	30.07	899.85
88	59.52	4	SLE Q	-17509.20	256.68	32405.30	50.27	28.27	32.55	982.29
89	119.05	4	SLE Q	-17249.90	261.97	33073.50	50.27	28.27	33.24	1011.09
90	178.57	4	SLE Q	-16992.70	256.54	32387.40	50.27	28.27	32.55	988.73
91	238.09	4	SLE Q	-16737.80	243.26	30711.10	50.27	28.27	30.84	928.95
92	297.62	4	SLE Q	-16484.90	224.58	28352.80	50.27	28.27	28.44	843.45
93	357.14	4	SLE Q	-16234.20	202.52	25568.00	50.27	28.27	25.59	741.94
94	416.67	4	SLE Q	-15985.50	178.72	22563.50	50.27	28.27	22.51	632.33
95	476.19	4	SLE Q	-15738.80	154.47	19502.10	47.12	31.42	19.36	520.90
96	535.71	4	SLE Q	-15494.10	130.76	16508.00	47.12	31.42	16.27	412.54
97	595.24	4	SLE Q	-15251.40	108.29	13671.70	47.12	31.42	13.32	310.98
98	654.76	4	SLE Q	-15010.70	87.57	11055.50	43.98	34.56	10.58	219.18
99	714.29	4	SLE Q	-14771.80	68.90	8698.19	43.98	34.56	8.10	139.77
100	773.81	4	SLE Q	-14534.80	52.43	6619.41	37.70	40.84	5.92	80.56
101	833.33	4	SLE Q	-14299.70	38.21	4824.04	31.42	47.12	4.15	57.59
102	892.86	4	SLE Q	-14066.40	26.18	3305.51	21.99	56.55	2.93	41.36
103	952.38	4	SLE Q	-13834.90	16.23	2048.97	0.00	78.54	2.19	31.27
104	1011.90	4	SLE Q	-13605.10	8.19	1033.91	0.00	78.54	1.64	23.86
105	1071.43	4	SLE Q	-13377.00	1.87	236.29	0.00	78.54	1.21	17.97
106	1130.95	4	SLE Q	-13150.70	-2.93	-369.71	0.00	78.54	1.26	18.63
107	1190.48	4	SLE Q	-12926.00	-6.42	-810.30	0.00	78.54	1.47	21.45
108	1250.00	4	SLE Q	-12703.00	-8.80	-1111.06	0.00	78.54	1.61	23.29
109	1309.52	4	SLE Q	-12481.50	-10.27	-1296.18	0.00	78.54	1.69	24.32

110	1369.05	4	SLE Q	-12261.70	-10.99	-1387.92	0.00	78.54	1.72	24.70
111	1428.57	4	SLE Q	-12043.40	-11.14	-1406.33	0.00	78.54	1.71	24.56
112	1488.10	4	SLE Q	-11826.60	-10.84	-1369.06	0.00	78.54	1.67	24.03
113	1547.62	4	SLE Q	-11611.40	-10.23	-1291.36	0.00	78.54	1.61	23.22
114	1607.14	4	SLE Q	-11397.60	-9.39	-1186.10	0.00	78.54	1.54	22.23
115	1666.67	4	SLE Q	-11185.30	-8.43	-1063.94	0.00	78.54	1.46	21.11
116	1726.19	4	SLE Q	-10974.30	-7.39	-933.51	0.00	78.54	1.38	19.94
117	1785.71	4	SLE Q	-10764.80	-6.35	-801.61	0.00	78.54	1.29	18.75
118	1845.24	4	SLE Q	-10556.70	-5.33	-673.40	0.00	78.54	1.21	17.60
119	1904.76	4	SLE Q	-10349.90	-4.38	-552.70	0.00	78.54	1.13	16.50
120	1964.29	4	SLE Q	-10144.40	-3.50	-442.15	0.00	78.54	1.05	15.47
121	2023.81	4	SLE Q	-9940.14	-2.72	-343.44	0.00	78.54	0.99	14.53
122	2083.33	4	SLE Q	-9737.19	-2.04	-257.51	0.00	78.54	0.92	13.68
123	2142.86	4	SLE Q	-9535.48	-1.46	-184.69	0.00	78.54	0.87	12.92
124	2202.38	4	SLE Q	-9334.97	-0.99	-124.88	0.00	78.54	0.82	12.26
125	2261.90	4	SLE Q	-9135.66	-0.62	-77.66	0.00	78.54	0.78	11.68
126	2321.43	4	SLE Q	-8937.50	-0.34	-42.37	0.00	78.54	0.75	11.19
127	2380.95	4	SLE Q	-8740.48	-0.14	-18.24	0.00	78.54	0.72	10.78
128	2440.48	4	SLE Q	-8544.56	-0.03	-4.41	0.00	78.54	0.70	10.45
129	2500.00	4	SLE Q	-8349.73	0.00	0.00	0.00	78.54	0.68	10.18

Stato limite d'esercizio – Verifiche a fessurazione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	c <mm>	s <mm>	K_2	Φ_{eq}	Δ_{sm} <mm>	A_s <cmq>	$A_{c\ eff}$ <cmq>	σ_s <daN/cmq>	ε_{sm}	Wk <mm>
87	0.00	4	SLE Q	-16798.40	29962.20	237.33	46.00	136.36	0.50	20.00	211.26	21.99	1311.34	899.85	0.26	0.09
88	59.52	4	SLE Q	-17509.20	32405.30	256.68	46.00	136.36	0.50	20.00	211.50	21.99	1313.97	982.29	0.29	0.10
89	119.05	4	SLE Q	-17249.90	33073.50	261.97	46.00	136.36	0.50	20.00	211.72	21.99	1316.38	1011.09	0.29	0.11
90	178.57	4	SLE Q	-16992.70	32387.40	256.54	46.00	136.36	0.50	20.00	211.68	21.99	1315.99	988.73	0.29	0.10
91	238.09	4	SLE Q	-16737.80	30711.10	243.26	46.00	136.36	0.50	20.00	211.44	21.99	1313.37	928.95	0.27	0.10
92	297.62	4	SLE Q	-16484.90	28352.80	224.58	46.00	136.36	0.50	20.00	211.01	21.99	1308.63	843.45	0.25	0.09
93	357.14	4	SLE Q	-16234.20	25568.00	202.52	46.00	136.36	0.50	20.00	210.37	21.99	1301.51	741.94	0.22	0.08
94	416.67	4	SLE Q	-15985.50	22563.50	178.72	46.00	136.36	0.50	20.00	209.45	21.99	1291.46	632.33	0.18	0.07
95	476.19	4	SLE Q	-15738.80	19502.10	154.47	46.00	136.36	0.50	20.00	208.18	21.99	1277.45	520.90	0.15	0.05
96	535.71	4	SLE Q	-15494.10	16508.00	130.76	46.00	136.36	0.50	20.00	206.38	21.99	1257.73	412.54	0.12	0.04
97	595.24	4	SLE Q	-15251.40	13671.70	108.29	46.00	136.36	0.50	20.00	203.79	21.99	1229.21	310.98	0.09	0.03
98	654.76	4	SLE Q	-15010.70	11055.50	87.57	46.00	136.36	0.50	20.00	199.90	21.99	1186.40	219.18	0.06	0.02
99	714.29	4	SLE Q	-14771.80	8698.19	68.90	46.00	136.36	0.50	20.00	210.75	18.85	1119.22	139.77	0.04	0.01
100	773.81	4	SLE Q	-14534.80	6619.41	52.43	46.00	136.36	0.50	20.00	197.96	18.85	998.63	75.93	0.02	0.01
101	833.33	4	SLE Q	-14299.70	4824.04	38.21	46.00	136.36	0.50	20.00	188.03	15.71	754.18	31.75	0.01	0.00
102	892.86	4	SLE Q	-14066.40	3305.51	26.18	46.00	136.36	0.50	20.00	182.04	6.28	282.86	8.08	0.00	0.00
130	0.00	3	SLE F	-16798.40	29962.20	237.33	46.00	136.36	0.50	20.00	211.26	21.99	1311.34	899.85	0.26	0.09
131	59.52	3	SLE F	-17509.20	32405.30	256.68	46.00	136.36	0.50	20.00	211.50	21.99	1313.97	982.29	0.29	0.10
132	119.05	3	SLE F	-17249.90	33073.50	261.97	46.00	136.36	0.50	20.00	211.72	21.99	1316.38	1011.09	0.29	0.11
133	178.57	3	SLE F	-16992.70	32387.40	256.54	46.00	136.36	0.50	20.00	211.68	21.99	1315.99	988.73	0.29	0.10
134	238.09	3	SLE F	-16737.80	30711.10	243.26	46.00	136.36	0.50	20.00	211.44	21.99	1313.37	928.95	0.27	0.10
135	297.62	3	SLE F	-16484.90	28352.80	224.58	46.00	136.36	0.50	20.00	211.01	21.99	1308.63	843.45	0.25	0.09
136	357.14	3	SLE F	-16234.20	25568.00	202.52	46.00	136.36	0.50	20.00	210.37	21.99	1301.51	741.94	0.22	0.08
137	416.67	3	SLE F	-15985.50	22563.50	178.72	46.00	136.36	0.50	20.00	209.45	21.99	1291.46	632.33	0.18	0.07
138	476.19	3	SLE F	-15738.80	19502.10	154.47	46.00	136.36	0.50	20.00	208.18	21.99	1277.45	520.90	0.15	0.05
139	535.71	3	SLE F	-15494.10	16508.00	130.76	46.00	136.36	0.50	20.00	206.38	21.99	1257.73	412.54	0.12	0.04
140	595.24	3	SLE F	-15251.40	13671.70	108.29	46.00	136.36	0.50	20.00	203.79	21.99	1229.21	310.98	0.09	0.03
141	654.76	3	SLE F	-15010.70	11055.50	87.57	46.00	136.36	0.50	20.00	199.90	21.99	1186.40	219.18	0.06	0.02
142	714.29	3	SLE F	-14771.80	8698.19	68.90	46.00	136.36	0.50	20.00	210.75	18.85	1119.22	139.77	0.04	0.01
143	773.81	3	SLE F	-14534.80	6619.41	52.43	46.00	136.36	0.50	20.00	197.96	18.85	998.63	75.93	0.02	0.01
144	833.33	3	SLE F	-14299.70	4824.04	38.21	46.00	136.36	0.50	20.00	188.03	15.71	754.18	31.75	0.01	0.00
145	892.86	3	SLE F	-14066.40	3305.51	26.18	46.00	136.36	0.50	20.00	182.04	6.28	282.86	8.08	0.00	0.00

Verifiche principali

Caso	Tipo
1	SLU Taglio – min. sic. c.a.,SLU Taglio – min. sic. acciaio
3	SLU N cost – min. sic.
46	C.Rare – Sc min (max compr.),C.Rare – Sf max (max traz.),C.Rare – Sf min (max compr.)
60	C.Rare – Sc max (min. compr.)
89	C.Q.Per. – Sc min (max compr.),C.Q.Per. – Sf max (max traz.),C.Q.Per. – Sf min (max compr.),C.Q.Per. – Wk Max
103	C.Q.Per. – Sc max (min. compr.)
132	C.Freq – Wk Max

Palo n. 14

Caratteristiche del palo e dei materiali utilizzati

R <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
60.00	6.00	C30/37	307.10	20.59	174.02	13.73	B450C	4300.00	3913.04

Le sollecitazioni nei pali vengono calcolate oltre che per l'effetto delle reazioni vincolari anche considerando i seguenti effetti

Azioni ed effetti comuni

Az	N <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
PP	0.00	0.00	0.00	
SVR	0.00			

Azioni ed effetti - Plinto/Palo n. 14 (-7)

Caso	CC	TCC	Az	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	RVN	35630.70	7835.53	-481.05	43333.40	-2461.69
	1	SLU	TAG				0.00	0.00
	1	SLU	ECC				0.00	0.00
	1	SLU	TOT	35630.70	7835.53	-481.05	43333.40	-2461.69
2	2	SLE R	RVN	26393.10	5804.10	-356.33	32098.80	-1823.47
	2	SLE R	TAG				0.00	0.00
	2	SLE R	ECC				0.00	0.00
	2	SLE R	TOT	26393.10	5804.10	-356.33	32098.80	-1823.47
3	3	SLE F	RVN	26393.10	5804.10	-356.33	32098.80	-1823.47
	3	SLE F	TAG				0.00	0.00
	3	SLE F	ECC				0.00	0.00
	3	SLE F	TOT	26393.10	5804.10	-356.33	32098.80	-1823.47
4	4	SLE Q	RVN	26393.10	5804.10	-356.33	32098.80	-1823.47
	4	SLE Q	TAG				0.00	0.00
	4	SLE Q	ECC				0.00	0.00
	4	SLE Q	TOT	26393.10	5804.10	-356.33	32098.80	-1823.47

Sollecitazioni nei pali

Caso	CC	TCC	Palo	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	1	-35630.70	-7835.53	481.05	-43333.40	2461.69
2	2	SLE R	1	-26393.10	-5804.10	356.33	-32098.80	1823.47
3	3	SLE F	1	-26393.10	-5804.10	356.33	-32098.80	1823.47
4	4	SLE Q	1	-26393.10	-5804.10	356.33	-32098.80	1823.47

Da 0 a -25

Stato limite ultimo - Verifiche a flessione/pressoflessione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	Rott.	α <grad>	Sic.
1	0.00	1	SLU	-35630.70	42816.30	2432.32	-35630.70	161569.00	10591.70	2-3	176.25	3.776
2	59.52	1	SLU	-36118.50	46036.10	2615.22	-36118.50	161766.00	10604.20	2-3	176.25	3.516
3	119.05	1	SLU	-35415.70	46797.20	2658.46	-35415.70	161483.00	10586.20	2-3	176.25	3.453
4	178.57	1	SLU	-34717.50	45688.30	2595.47	-34717.50	161201.00	10568.40	2-3	176.25	3.530
5	238.09	1	SLU	-34023.60	43217.90	2455.13	-34023.60	160922.00	10550.70	2-3	176.25	3.725
6	297.62	1	SLU	-33334.10	39815.60	2261.85	-33334.10	160767.00	8519.92	2-3	176.88	4.037
7	357.14	1	SLU	-32648.80	35837.10	2035.84	-32648.80	160490.00	8502.98	2-3	176.88	4.477
8	416.67	1	SLU	-31967.60	31569.50	1793.41	-31967.60	160215.00	8486.13	2-3	176.88	5.074
9	476.19	1	SLU	-31290.50	27238.40	1547.36	-31290.50	159941.00	8469.38	2-3	176.88	5.871
10	535.71	1	SLU	-30617.40	23015.00	1307.44	-30617.40	159663.00	8472.27	2-3	176.88	6.936
11	595.24	1	SLU	-29948.10	19024.00	1080.72	-29948.10	159384.00	8483.56	2-3	176.88	8.376
12	654.76	1	SLU	-29282.70	15350.40	872.03	-29282.70	159106.00	8494.72	2-3	176.88	10.363
13	714.29	1	SLU	-28621.00	12046.40	684.34	-28621.00	158829.00	8505.73	2-3	176.88	13.182
14	773.81	1	SLU	-27962.90	9138.14	519.12	-27962.90	158554.00	8516.61	2-3	176.88	17.348
15	833.33	1	SLU	-27308.30	6630.73	376.68	-27308.30	158204.00	10353.30	2-3	176.25	23.872
16	892.86	1	SLU	-26657.30	4513.78	256.42	-26657.30	157935.00	10309.30	2-3	176.25	35.008
17	952.38	1	SLU	-26009.60	2765.46	157.10	-26009.60	157668.00	10265.60	2-3	176.25	57.042
18	1011.90	1	SLU	-25365.20	1356.20	77.04	-2571250.00	157402.00	10222.10	2-3	176.25	>100
19	1071.43	1	SLU	-24724.00	251.66	14.30	-2571250.00	157134.00	10188.20	2-3	176.25	>100
20	1130.95	1	SLU	-24086.00	-584.81	-33.22	-2571250.00	-156572.00	-10194.60	2-3	356.25	>100
21	1190.48	1	SLU	-23451.00	-1190.30	-67.62	-2571250.00	-156307.00	-10178.00	2-3	356.25	>100
22	1250.00	1	SLU	-22819.00	-1600.86	-90.94	-22819.00	-156042.00	-10161.50	2-3	356.25	97.523
23	1309.52	1	SLU	-22189.90	-1850.54	-105.13	-22189.90	-155779.00	-10145.10	2-3	356.25	84.222
24	1369.05	1	SLU	-21563.70	-1970.61	-111.95	-21563.70	-155516.00	-10128.70	2-3	356.25	78.958
25	1428.57	1	SLU	-20940.10	-1989.15	-113.00	-20940.10	-155255.00	-10112.40	2-3	356.25	78.091
26	1488.10	1	SLU	-20319.20	-1930.87	-109.69	-20319.20	-154996.00	-10096.20	2-3	356.25	80.313
27	1547.62	1	SLU	-19700.90	-1817.05	-103.22	-19700.90	-154737.00	-10080.00	2-3	356.25	85.201
28	1607.14	1	SLU	-19085.10	-1665.64	-94.62	-19085.10	-154479.00	-10064.00	2-3	356.25	92.792
29	1666.67	1	SLU	-18471.80	-1491.48	-84.73	-18471.80	-154223.00	-10047.90	2-3	356.25	>100
30	1726.19	1	SLU	-17860.70	-1306.54	-74.22	-17860.70	-153967.00	-10032.00	2-3	356.25	>100
31	1785.71	1	SLU	-17252.00	-1120.21	-63.64	-17252.00	-153709.00	-10015.90	2-3	356.25	>100
32	1845.24	1	SLU	-16645.40	-939.67	-53.38	-2571250.00	-153454.00	-10000.10	2-3	356.25	>100
33	1904.76	1	SLU	-16040.90	-770.12	-43.75	-2571250.00	-153200.00	-9984.36	2-3	356.25	>100
34	1964.29	1	SLU	-15438.50	-615.18	-34.95	-2571250.00	-152946.00	-9969.28	2-3	356.25	>100
35	2023.81	1	SLU	-14838.00	-477.14	-27.11	-2571250.00	-152691.00	-9957.25	2-3	356.25	>100
36	2083.33	1	SLU	-14239.40	-357.21	-20.29	-2571250.00	-152438.00	-9945.24	2-3	356.25	>100

37	2142.86	1	SLU	-13642.70	-255.79	-14.53	-2571250.00	-152184.00	-9933.26	2-3	356.25	>100
38	2202.38	1	SLU	-13047.60	-172.67	-9.81	-2571250.00	-151932.00	-9921.30	2-3	356.25	>100
39	2261.90	1	SLU	-12454.30	-107.18	-6.09	-2571250.00	-151680.00	-9909.37	2-3	356.25	>100
40	2321.43	1	SLU	-11862.40	-58.36	-3.32	-2571250.00	-151433.00	-9897.63	2-3	356.25	>100
41	2380.95	1	SLU	-11272.20	-25.07	-1.42	-2571250.00	-151178.00	-9884.29	2-3	356.25	>100
42	2440.48	1	SLU	-10683.30	-6.05	-0.34	-2571250.00	-150927.00	-9868.80	2-3	356.25	>100
43	2500.00	1	SLU	-10095.80	0.00	0.00	-2571250.00					>100

Stato limite ultimo – Verifiche a taglio

Caso	X <cm>	CC	TCC	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1	0.00	1	SLU	7835.53	-481.05	0.85	11.31	7850.28	1.00	32294.70	336772.00	32294.70	4.114
2	59.52	1	SLU	3166.96	-194.43	0.85	11.31	3172.93	1.00	32294.70	336842.00	32294.70	10.178
3	119.05	1	SLU	-445.53	27.35	0.85	11.31	446.37	1.00	32294.70	336741.00	32294.70	72.350
4	178.57	1	SLU	-3136.92	192.59	0.85	11.31	3142.82	1.00	32294.70	336641.00	32294.70	10.276
5	238.09	1	SLU	-5041.41	309.51	0.85	11.31	5050.90	1.00	32294.70	336542.00	32294.70	6.394
6	297.62	1	SLU	-6287.82	386.03	0.85	11.31	6299.66	1.00	32294.70	336443.00	32294.70	5.126
7	357.14	1	SLU	-6996.31	429.53	0.85	11.31	7009.48	1.00	32294.70	336345.00	32294.70	4.607
8	416.67	1	SLU	-7276.23	446.71	0.85	11.31	7289.93	1.00	32294.70	336247.00	32294.70	4.430
9	476.19	1	SLU	-7224.91	443.56	0.85	11.31	7238.51	1.00	32294.70	336150.00	32294.70	4.462
10	535.71	1	SLU	-6927.18	425.28	0.85	11.31	6940.22	1.00	32294.70	336054.00	32294.70	4.653
11	595.24	1	SLU	-6455.46	396.32	0.85	11.31	6467.61	1.00	32294.70	335958.00	32294.70	4.993
12	654.76	1	SLU	-5870.26	360.39	0.85	11.31	5881.31	1.00	32294.70	335862.00	32294.70	5.491
13	714.29	1	SLU	-5221.00	320.53	0.85	11.31	5230.83	1.00	32294.70	335768.00	32294.70	6.174
14	773.81	1	SLU	-4547.03	279.16	0.85	11.31	4555.59	1.00	32294.70	335673.00	32294.70	7.089
15	833.33	1	SLU	-3878.71	238.13	0.85	11.31	3886.01	1.00	32294.70	335580.00	32294.70	8.310
16	892.86	1	SLU	-3238.60	198.83	0.85	11.31	3244.70	1.00	32294.70	335486.00	32294.70	9.953
17	952.38	1	SLU	-2642.58	162.24	0.85	11.31	2647.56	1.00	32294.70	335394.00	32294.70	12.198
18	1011.90	1	SLU	-2100.99	128.99	0.85	11.31	2104.95	1.00	32294.70	335301.00	32294.70	15.342
19	1071.43	1	SLU	-1619.61	99.43	0.85	11.31	1622.66	1.00	32294.70	335210.00	32294.70	19.902
20	1130.95	1	SLU	-1200.61	73.71	0.85	11.31	1202.88	1.00	32294.70	335118.00	32294.70	26.848
21	1190.48	1	SLU	-843.40	51.78	0.85	11.31	844.99	1.00	32294.70	335027.00	32294.70	38.219
22	1250.00	1	SLU	-545.29	33.48	0.85	11.31	546.32	1.00	32294.70	334937.00	32294.70	59.113
23	1309.52	1	SLU	-302.18	18.55	0.85	11.31	302.75	1.00	32294.70	334847.00	32294.70	>100
24	1369.05	1	SLU	-109.01	6.69	0.85	11.31	109.21	1.00	32294.70	334757.00	32294.70	>100
25	1428.57	1	SLU	39.80	-2.44	0.85	11.31	39.88	1.00	32294.70	334668.00	32294.70	>100
26	1488.10	1	SLU	150.01	-9.21	0.85	11.31	150.30	1.00	32294.70	334579.00	32294.70	>100
27	1547.62	1	SLU	227.31	-13.96	0.85	11.31	227.74	1.00	32294.70	334490.00	32294.70	>100
28	1607.14	1	SLU	277.14	-17.01	0.85	11.31	277.66	1.00	32294.70	334402.00	32294.70	>100
29	1666.67	1	SLU	304.54	-18.70	0.85	11.31	305.12	1.00	32294.70	334314.00	32294.70	>100
30	1726.19	1	SLU	314.08	-19.28	0.85	11.31	314.67	1.00	32294.70	334226.00	32294.70	>100
31	1785.71	1	SLU	309.81	-19.02	0.85	11.31	310.39	1.00	32294.70	334139.00	32294.70	>100
32	1845.24	1	SLU	295.22	-18.12	0.85	11.31	295.78	1.00	32294.70	334052.00	32294.70	>100
33	1904.76	1	SLU	273.30	-16.78	0.85	11.31	273.82	1.00	32294.70	333966.00	32294.70	>100
34	1964.29	1	SLU	246.52	-15.13	0.85	11.31	246.98	1.00	32294.70	333879.00	32294.70	>100
35	2023.81	1	SLU	216.86	-13.31	0.85	11.31	217.26	1.00	32294.70	333793.00	32294.70	>100
36	2083.33	1	SLU	185.90	-11.41	0.85	11.31	186.25	1.00	32294.70	333708.00	32294.70	>100
37	2142.86	1	SLU	154.84	-9.51	0.85	11.31	155.13	1.00	32294.70	333622.00	32294.70	>100
38	2202.38	1	SLU	124.57	-7.65	0.85	11.31	124.80	1.00	32294.70	333537.00	32294.70	>100
39	2261.90	1	SLU	95.69	-5.87	0.85	11.31	95.87	1.00	32294.70	333452.00	32294.70	>100
40	2321.43	1	SLU	68.61	-4.21	0.85	11.31	68.74	1.00	32294.70	333367.00	32294.70	>100
41	2380.95	1	SLU	43.57	-2.68	0.85	11.31	43.66	1.00	32294.70	333283.00	32294.70	>100
42	2440.48	1	SLU	20.69	-1.27	0.85	11.31	20.73	1.00	32294.70	333198.00	32294.70	>100

Verifiche stato limite d'esercizio

Caso	X <cm>	CC	TCC	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ_C <daN/cmq>	σ_f <daN/cmq>
44	0.00	2	SLE R	-26393.10	1801.72	31715.80	50.27	28.27	31.42	835.59
45	59.52	2	SLE R	-26990.30	1937.20	34100.80	50.27	28.27	33.85	916.72
46	119.05	2	SLE R	-26505.00	1969.23	34664.60	50.27	28.27	34.46	944.24
47	178.57	2	SLE R	-26023.10	1922.57	33843.20	50.27	28.27	33.64	919.92
48	238.09	2	SLE R	-25544.60	1818.61	32013.30	50.27	28.27	31.77	857.87
49	297.62	2	SLE R	-25069.20	1675.45	29493.10	50.27	28.27	29.19	770.13
50	357.14	2	SLE R	-24597.10	1508.03	26546.00	50.27	28.27	26.16	666.73
51	416.67	2	SLE R	-24128.00	1328.45	23384.80	43.98	34.56	22.90	555.89
52	476.19	2	SLE R	-23662.10	1146.19	20176.60	43.98	34.56	19.57	444.22
53	535.71	2	SLE R	-23199.10	968.47	17048.20	43.98	34.56	16.31	337.05
54	595.24	2	SLE R	-22739.10	800.53	14091.90	43.98	34.56	13.21	238.80
55	654.76	2	SLE R	-22282.00	645.95	11370.70	37.70	40.84	10.36	153.53
56	714.29	2	SLE R	-21827.70	506.92	8923.29	37.70	40.84	7.85	107.86
57	773.81	2	SLE R	-21376.20	384.53	6768.99	31.42	47.12	5.81	81.11
58	833.33	2	SLE R	-20927.30	279.02	4911.65	18.85	59.69	4.36	61.61
59	892.86	2	SLE R	-20481.20	189.94	3343.54	0.00	78.54	3.40	48.55
60	952.38	2	SLE R	-20037.60	116.37	2048.49	0.00	78.54	2.69	38.87
61	1011.90	2	SLE R	-19596.60	57.07	1004.59	0.00	78.54	2.11	30.98
62	1071.43	2	SLE R	-19158.10	10.59	186.41	0.00	78.54	1.65	24.67
63	1130.95	2	SLE R	-18722.00	-24.61	-433.20	0.00	78.54	1.75	25.86

64	1190.48	2	SLE R	-18288.30	-50.09	-881.70	0.00	78.54	1.94	28.47
65	1250.00	2	SLE R	-17856.90	-67.36	-1185.82	0.00	78.54	2.07	30.07
66	1309.52	2	SLE R	-17427.80	-77.87	-1370.77	0.00	78.54	2.13	30.84
67	1369.05	2	SLE R	-17000.90	-82.92	-1459.71	0.00	78.54	2.14	30.95
68	1428.57	2	SLE R	-16576.10	-83.70	-1473.45	0.00	78.54	2.11	30.52
69	1488.10	2	SLE R	-16153.40	-81.25	-1430.28	0.00	78.54	2.05	29.71
70	1547.62	2	SLE R	-15732.80	-76.46	-1345.96	0.00	78.54	1.98	28.60
71	1607.14	2	SLE R	-15314.20	-70.09	-1233.81	0.00	78.54	1.88	27.31
72	1666.67	2	SLE R	-14897.60	-62.76	-1104.80	0.00	78.54	1.78	25.90
73	1726.19	2	SLE R	-14482.80	-54.98	-967.80	0.00	78.54	1.68	24.43
74	1785.71	2	SLE R	-14069.90	-47.14	-829.79	0.00	78.54	1.57	22.96
75	1845.24	2	SLE R	-13658.70	-39.54	-696.05	0.00	78.54	1.47	21.53
76	1904.76	2	SLE R	-13249.30	-32.41	-570.46	0.00	78.54	1.37	20.15
77	1964.29	2	SLE R	-12841.60	-25.89	-455.69	0.00	78.54	1.28	18.85
78	2023.81	2	SLE R	-12435.50	-20.08	-353.44	0.00	78.54	1.19	17.64
79	2083.33	2	SLE R	-12031.00	-15.03	-264.60	0.00	78.54	1.11	16.52
80	2142.86	2	SLE R	-11628.00	-10.76	-189.48	0.00	78.54	1.04	15.50
81	2202.38	2	SLE R	-11226.50	-7.27	-127.90	0.00	78.54	0.98	14.58
82	2261.90	2	SLE R	-10826.40	-4.51	-79.39	0.00	78.54	0.92	13.76
83	2321.43	2	SLE R	-10427.70	-2.46	-43.23	0.00	78.54	0.87	13.02
84	2380.95	2	SLE R	-10030.30	-1.05	-18.57	0.00	78.54	0.82	12.36
85	2440.48	2	SLE R	-9634.20	-0.25	-4.48	0.00	78.54	0.79	11.78
86	2500.00	2	SLE R	-9239.31	0.00	0.00	0.00	78.54	0.75	11.27
87	0.00	4	SLE Q	-26393.10	1801.72	31715.80	50.27	28.27	31.42	835.59
88	59.52	4	SLE Q	-26990.30	1937.20	34100.80	50.27	28.27	33.85	916.72
89	119.05	4	SLE Q	-26505.00	1969.23	34664.60	50.27	28.27	34.46	944.24
90	178.57	4	SLE Q	-26023.10	1922.57	33843.20	50.27	28.27	33.64	919.92
91	238.09	4	SLE Q	-25544.60	1818.61	32013.30	50.27	28.27	31.77	857.87
92	297.62	4	SLE Q	-25069.20	1675.45	29493.10	50.27	28.27	29.19	770.13
93	357.14	4	SLE Q	-24597.10	1508.03	26546.00	50.27	28.27	26.16	666.73
94	416.67	4	SLE Q	-24128.00	1328.45	23384.80	43.98	34.56	22.90	555.89
95	476.19	4	SLE Q	-23662.10	1146.19	20176.60	43.98	34.56	19.57	444.22
96	535.71	4	SLE Q	-23199.10	968.47	17048.20	43.98	34.56	16.31	337.05
97	595.24	4	SLE Q	-22739.10	800.53	14091.90	43.98	34.56	13.21	238.80
98	654.76	4	SLE Q	-22282.00	645.95	11370.70	37.70	40.84	10.36	153.53
99	714.29	4	SLE Q	-21827.70	506.92	8923.29	37.70	40.84	7.85	107.86
100	773.81	4	SLE Q	-21376.20	384.53	6768.99	31.42	47.12	5.81	81.11
101	833.33	4	SLE Q	-20927.30	279.02	4911.65	18.85	59.69	4.36	61.61
102	892.86	4	SLE Q	-20481.20	189.94	3343.54	0.00	78.54	3.40	48.55
103	952.38	4	SLE Q	-20037.60	116.37	2048.49	0.00	78.54	2.69	38.87
104	1011.90	4	SLE Q	-19596.60	57.07	1004.59	0.00	78.54	2.11	30.98
105	1071.43	4	SLE Q	-19158.10	10.59	186.41	0.00	78.54	1.65	24.67
106	1130.95	4	SLE Q	-18722.00	-24.61	-433.20	0.00	78.54	1.75	25.86
107	1190.48	4	SLE Q	-18288.30	-50.09	-881.70	0.00	78.54	1.94	28.47
108	1250.00	4	SLE Q	-17856.90	-67.36	-1185.82	0.00	78.54	2.07	30.07
109	1309.52	4	SLE Q	-17427.80	-77.87	-1370.77	0.00	78.54	2.13	30.84
110	1369.05	4	SLE Q	-17000.90	-82.92	-1459.71	0.00	78.54	2.14	30.95
111	1428.57	4	SLE Q	-16576.10	-83.70	-1473.45	0.00	78.54	2.11	30.52
112	1488.10	4	SLE Q	-16153.40	-81.25	-1430.28	0.00	78.54	2.05	29.71
113	1547.62	4	SLE Q	-15732.80	-76.46	-1345.96	0.00	78.54	1.98	28.60
114	1607.14	4	SLE Q	-15314.20	-70.09	-1233.81	0.00	78.54	1.88	27.31
115	1666.67	4	SLE Q	-14897.60	-62.76	-1104.80	0.00	78.54	1.78	25.90
116	1726.19	4	SLE Q	-14482.80	-54.98	-967.80	0.00	78.54	1.68	24.43
117	1785.71	4	SLE Q	-14069.90	-47.14	-829.79	0.00	78.54	1.57	22.96
118	1845.24	4	SLE Q	-13658.70	-39.54	-696.05	0.00	78.54	1.47	21.53
119	1904.76	4	SLE Q	-13249.30	-32.41	-570.46	0.00	78.54	1.37	20.15
120	1964.29	4	SLE Q	-12841.60	-25.89	-455.69	0.00	78.54	1.28	18.85
121	2023.81	4	SLE Q	-12435.50	-20.08	-353.44	0.00	78.54	1.19	17.64
122	2083.33	4	SLE Q	-12031.00	-15.03	-264.60	0.00	78.54	1.11	16.52
123	2142.86	4	SLE Q	-11628.00	-10.76	-189.48	0.00	78.54	1.04	15.50
124	2202.38	4	SLE Q	-11226.50	-7.27	-127.90	0.00	78.54	0.98	14.58
125	2261.90	4	SLE Q	-10826.40	-4.51	-79.39	0.00	78.54	0.92	13.76
126	2321.43	4	SLE Q	-10427.70	-2.46	-43.23	0.00	78.54	0.87	13.02
127	2380.95	4	SLE Q	-10030.30	-1.05	-18.57	0.00	78.54	0.82	12.36
128	2440.48	4	SLE Q	-9634.20	-0.25	-4.48	0.00	78.54	0.79	11.78
129	2500.00	4	SLE Q	-9239.31	0.00	0.00	0.00	78.54	0.75	11.27

Stato limite d'esercizio – Verifiche a fessurazione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	c <mm>	s <mm>	K_2	Φ_{eq}	Δ_{sm} <mm>	A_s <cmq>	$A_{c\ eff}$ <cmq>	σ_s <daN/cmq>	ε_{sm}	Wk <mm>
87	0.00	4	SLE Q	-26393.10	31715.80	1801.72	46.00	136.36	0.50	20.00	193.51	25.13	1275.65	835.59	0.24	0.08
88	59.52	4	SLE Q	-26990.30	34100.80	1937.20	46.00	136.36	0.50	20.00	193.98	25.13	1281.47	916.72	0.27	0.09
89	119.05	4	SLE Q	-26505.00	34664.60	1969.23	46.00	136.36	0.50	20.00	194.28	25.13	1285.27	944.24	0.28	0.09
90	178.57	4	SLE Q	-26023.10	33843.20	1922.57	46.00	136.36	0.50	20.00	194.23	25.13	1284.66	919.92	0.27	0.09
91	238.09	4	SLE Q	-25544.60	32013.30	1818.61	46.00	136.36	0.50	20.00	193.90	25.13	1280.55	857.87	0.25	0.08
92	297.62	4	SLE Q	-25069.20	29493.10	1675.45	46.00	136.36	0.50	20.00	193.31	25.13	1273.06	770.13	0.22	0.07
93	357.14	4	SLE Q	-24597.10	26546.00	1508.03	46.00	136.36	0.50	20.00	192.41	25.13	1261.74	666.73	0.19	0.06

94	416.67	4	SLE Q	-24128.00	23384.80	1328.45	46.00	136.36	0.50	20.00	205.28	21.99	1245.58	555.89	0.16	0.06
95	476.19	4	SLE Q	-23662.10	20176.60	1146.19	46.00	136.36	0.50	20.00	221.74	18.85	1222.75	444.22	0.13	0.05
96	535.71	4	SLE Q	-23199.10	17048.20	968.47	46.00	136.36	0.50	20.00	218.27	18.85	1190.05	337.05	0.10	0.04
97	595.24	4	SLE Q	-22739.10	14091.90	800.53	46.00	136.36	0.50	20.00	213.06	18.85	1140.91	238.80	0.07	0.03
98	654.76	4	SLE Q	-22282.00	11370.70	645.95	46.00	136.36	0.50	20.00	204.82	18.85	1063.31	153.53	0.04	0.02
99	714.29	4	SLE Q	-21827.70	8923.29	506.92	46.00	136.36	0.50	20.00	190.88	18.85	931.97	85.54	0.02	0.01
100	773.81	4	SLE Q	-21376.20	6768.99	384.53	46.00	136.36	0.50	20.00	199.57	12.57	675.90	38.59	0.01	0.00
101	833.33	4	SLE Q	-20927.30	4911.65	279.02	46.00	136.36	0.50	20.00	183.40	6.28	287.13	11.87	0.00	0.00
130	0.00	3	SLE F	-26393.10	31715.80	1801.72	46.00	136.36	0.50	20.00	193.51	25.13	1275.65	835.59	0.24	0.08
131	59.52	3	SLE F	-26990.30	34100.80	1937.20	46.00	136.36	0.50	20.00	193.98	25.13	1281.47	916.72	0.27	0.09
132	119.05	3	SLE F	-26505.00	34664.60	1969.23	46.00	136.36	0.50	20.00	194.28	25.13	1285.27	944.24	0.28	0.09
133	178.57	3	SLE F	-26023.10	33843.20	1922.57	46.00	136.36	0.50	20.00	194.23	25.13	1284.66	919.92	0.27	0.09
134	238.09	3	SLE F	-25544.60	32013.30	1818.61	46.00	136.36	0.50	20.00	193.90	25.13	1280.55	857.87	0.25	0.08
135	297.62	3	SLE F	-25069.20	29493.10	1675.45	46.00	136.36	0.50	20.00	193.31	25.13	1273.06	770.13	0.22	0.07
136	357.14	3	SLE F	-24597.10	26546.00	1508.03	46.00	136.36	0.50	20.00	192.41	25.13	1261.74	666.73	0.19	0.06
137	416.67	3	SLE F	-24128.00	23384.80	1328.45	46.00	136.36	0.50	20.00	205.28	21.99	1245.58	555.89	0.16	0.06
138	476.19	3	SLE F	-23662.10	20176.60	1146.19	46.00	136.36	0.50	20.00	221.74	18.85	1222.75	444.22	0.13	0.05
139	535.71	3	SLE F	-23199.10	17048.20	968.47	46.00	136.36	0.50	20.00	218.27	18.85	1190.05	337.05	0.10	0.04
140	595.24	3	SLE F	-22739.10	14091.90	800.53	46.00	136.36	0.50	20.00	213.06	18.85	1140.91	238.80	0.07	0.03
141	654.76	3	SLE F	-22282.00	11370.70	645.95	46.00	136.36	0.50	20.00	204.82	18.85	1063.31	153.53	0.04	0.02
142	714.29	3	SLE F	-21827.70	8923.29	506.92	46.00	136.36	0.50	20.00	190.88	18.85	931.97	85.54	0.02	0.01
143	773.81	3	SLE F	-21376.20	6768.99	384.53	46.00	136.36	0.50	20.00	199.57	12.57	675.90	38.59	0.01	0.00
144	833.33	3	SLE F	-20927.30	4911.65	279.02	46.00	136.36	0.50	20.00	183.40	6.28	287.13	11.87	0.00	0.00

Verifiche principali

Caso	Tipo
1	SLU Taglio - min. sic. c.a.,SLU Taglio - min. sic. acciaio
3	SLU N cost - min. sic.
46	C.Rare - Sc min (max compr.),C.Rare - Sf max (max traz.),C.Rare - Sf min (max compr.)
60	C.Rare - Sc max (min. compr.)
89	C.Q.Per. - Sc min (max compr.),C.Q.Per. - Sf max (max traz.),C.Q.Per. - Sf min (max compr.),C.Q.Per. - Wk Max
103	C.Q.Per. - Sc max (min. compr.)
132	C.Freq - Wk Max

Palo n. 15

Caratteristiche del palo e dei materiali utilizzati

R <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
60.00	6.00	C30/37	307.10	20.59	174.02	13.73	B450C	4300.00	3913.04

Le sollecitazioni nei pali vengono calcolate oltre che per l'effetto delle reazioni vincolari anche considerando i seguenti effetti

Azioni ed effetti comuni

Az	N <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
PP	0.00	0.00	0.00	
SVR	0.00			

Azioni ed effetti - Plinto/Palo n. 15 (-15)

Caso	CC	TCC	Az	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	RVN	59959.30	7649.17	-765.00	46578.90	-7908.46
	1	SLU	TAG				0.00	0.00
	1	SLU	ECC				0.00	0.00
	1	SLU	TOT	59959.30	7649.17	-765.00	46578.90	-7908.46
2	2	SLE R	RVN	44414.30	5666.06	-566.67	34502.90	-5858.12
	2	SLE R	TAG				0.00	0.00
	2	SLE R	ECC				0.00	0.00
	2	SLE R	TOT	44414.30	5666.06	-566.67	34502.90	-5858.12
3	3	SLE F	RVN	44414.30	5666.06	-566.67	34502.90	-5858.12
	3	SLE F	TAG				0.00	0.00
	3	SLE F	ECC				0.00	0.00
	3	SLE F	TOT	44414.30	5666.06	-566.67	34502.90	-5858.12
4	4	SLE Q	RVN	44414.30	5666.06	-566.67	34502.90	-5858.12
	4	SLE Q	TAG				0.00	0.00
	4	SLE Q	ECC				0.00	0.00
	4	SLE Q	TOT	44414.30	5666.06	-566.67	34502.90	-5858.12

Sollecitazioni nei pali

Caso	CC	TCC	Palo	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	1	-59959.30	-7649.17	765.00	-46578.90	7908.46
2	2	SLE R	1	-44414.30	-5666.06	566.67	-34502.90	5858.12
3	3	SLE F	1	-44414.30	-5666.06	566.67	-34502.90	5858.12
4	4	SLE Q	1	-44414.30	-5666.06	566.67	-34502.90	5858.12

Da 0 a -25

Stato limite ultimo - Verifiche a flessione/pressoflessione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	Rott.	α <grad>	Sic.
1	0.00	1	SLU	-59959.30	46047.00	7818.15	-59959.30	169140.00	30021.80	2-3	170.00	3.678
2	59.52	1	SLU	-60159.10	49073.10	8331.94	-60159.10	169221.00	30036.50	2-3	170.00	3.453
3	119.05	1	SLU	-58883.50	49580.10	8418.02	-58883.50	168709.00	29942.40	2-3	170.00	3.407
4	178.57	1	SLU	-57615.30	48181.00	8180.47	-57615.30	168200.00	29848.90	2-3	170.00	3.496
5	238.09	1	SLU	-56354.50	45403.50	7708.90	-56354.50	167694.00	29755.90	2-3	170.00	3.698
6	297.62	1	SLU	-55100.80	41692.80	7078.86	-55100.80	167191.00	29663.20	2-3	170.00	4.015
7	357.14	1	SLU	-53854.10	37415.70	6352.67	-53854.10	166688.00	29570.40	2-3	170.00	4.461
8	416.67	1	SLU	-52614.30	32867.70	5580.48	-52614.30	166187.00	29478.00	2-3	170.00	5.063
9	476.19	1	SLU	-51381.10	28279.80	4801.52	-51381.10	165689.00	29386.20	2-3	170.00	5.866
10	535.71	1	SLU	-50154.40	23826.70	4045.44	-50154.40	165194.00	29294.90	2-3	170.00	6.942
11	595.24	1	SLU	-48934.20	19634.40	3333.65	-48934.20	164701.00	29204.00	2-3	170.00	8.399
12	654.76	1	SLU	-47720.10	15788.00	2680.58	-47720.10	164210.00	29113.60	2-3	170.00	10.414
13	714.29	1	SLU	-46512.10	12338.90	2094.97	-46512.10	163722.00	29023.70	2-3	170.00	13.286
14	773.81	1	SLU	-45310.00	9311.27	1580.93	-45310.00	163234.00	28933.40	2-3	170.00	17.553
15	833.33	1	SLU	-44113.60	6708.27	1138.97	-44113.60	162748.00	28843.50	2-3	170.00	24.291
16	892.86	1	SLU	-42922.90	4516.90	766.91	-42922.90	162265.00	28754.00	2-3	170.00	35.969
17	952.38	1	SLU	-41737.60	2712.71	460.58	-41737.60	161783.00	28664.90	2-3	170.00	59.713
18	1011.90	1	SLU	-40557.60	1263.48	214.52	-2571250.00	161303.00	28576.20	2-3	170.00	63.398
19	1071.43	1	SLU	-39382.70	132.33	22.47	-2571250.00	160825.00	28487.90	2-3	170.00	65.289
20	1130.95	1	SLU	-38212.90	-719.80	-122.21	-2571250.00	-160648.00	-28054.40	2-3	350.00	67.287
21	1190.48	1	SLU	-37047.90	-1332.16	-226.18	-2571250.00	-160166.00	-28012.50	2-3	350.00	69.403
22	1250.00	1	SLU	-35887.60	-1742.79	-295.90	-2571250.00	-159687.00	-27970.60	2-3	350.00	71.647
23	1309.52	1	SLU	-34731.80	-1987.43	-337.44	-2571250.00	-159209.00	-27928.60	2-3	350.00	74.031
24	1369.05	1	SLU	-33580.50	-2098.82	-356.35	-33580.50	-158732.00	-27888.10	2-3	350.00	75.704
25	1428.57	1	SLU	-32433.40	-2106.27	-357.62	-32433.40	-158255.00	-27849.10	2-3	350.00	75.213
26	1488.10	1	SLU	-31290.50	-2035.51	-345.60	-31290.50	-157780.00	-27809.90	2-3	350.00	77.598
27	1547.62	1	SLU	-30151.50	-1908.62	-324.06	-30151.50	-157307.00	-27770.70	2-3	350.00	82.513
28	1607.14	1	SLU	-29016.30	-1744.19	-296.14	-2571250.00	-156834.00	-27731.40	2-3	350.00	88.614
29	1666.67	1	SLU	-27884.90	-1557.53	-264.45	-2571250.00	-156364.00	-27691.90	2-3	350.00	92.209
30	1726.19	1	SLU	-26756.90	-1360.94	-231.07	-2571250.00	-155895.00	-27652.40	2-3	350.00	96.097
31	1785.71	1	SLU	-25632.40	-1164.07	-197.64	-2571250.00	-155427.00	-27612.90	2-3	350.00	>100
32	1845.24	1	SLU	-24511.10	-974.18	-165.40	-2571250.00	-154960.00	-27573.50	2-3	350.00	>100
33	1904.76	1	SLU	-23393.00	-796.56	-135.25	-2571250.00	-154492.00	-27536.80	2-3	350.00	>100
34	1964.29	1	SLU	-22277.80	-634.83	-107.78	-2571250.00	-154021.00	-27452.80	2-3	350.00	>100
35	2023.81	1	SLU	-21165.40	-491.21	-83.40	-2571250.00	-153550.00	-27365.90	2-3	350.00	>100
36	2083.33	1	SLU	-20055.70	-366.84	-62.28	-2571250.00	-153080.00	-27279.30	2-3	350.00	>100
37	2142.86	1	SLU	-18948.60	-262.01	-44.49	-2571250.00	-152611.00	-27192.90	2-3	350.00	>100
38	2202.38	1	SLU	-17843.90	-176.39	-29.95	-2571250.00	-152144.00	-27106.70	2-3	350.00	>100
39	2261.90	1	SLU	-16741.40	-109.17	-18.54	-2571250.00	-151677.00	-27020.70	2-3	350.00	>100
40	2321.43	1	SLU	-15641.10	-59.27	-10.06	-2571250.00	-151210.00	-26934.60	2-3	350.00	>100
41	2380.95	1	SLU	-14542.70	-25.38	-4.31	-2571250.00	-150742.00	-26847.90	2-3	350.00	>100
42	2440.48	1	SLU	-13446.20	-6.10	-1.04	-2571250.00	-150275.00	-26761.30	2-3	350.00	>100
43	2500.00	1	SLU	-12351.40	0.00	0.00	-2571250.00					>100

Stato limite ultimo - Verifiche a taglio

Caso	X <cm>	CC	TCC	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1	0.00	1	SLU	7649.18	-765.00	0.85	11.31	7687.33	1.00	32294.70	340257.00	32294.70	4.201
2	59.52	1	SLU	2810.04	-281.04	0.85	11.31	2824.06	1.00	32294.70	340285.00	32294.70	11.436
3	119.05	1	SLU	-917.48	91.76	0.85	11.31	922.05	1.00	32294.70	340103.00	32294.70	35.025
4	178.57	1	SLU	-3678.13	367.85	0.85	11.31	3696.48	1.00	32294.70	339921.00	32294.70	8.737
5	238.09	1	SLU	-5615.11	561.57	0.85	11.31	5643.13	1.00	32294.70	339740.00	32294.70	5.723
6	297.62	1	SLU	-6865.29	686.61	0.85	11.31	6899.54	1.00	32294.70	339561.00	32294.70	4.681
7	357.14	1	SLU	-7555.88	755.67	0.85	11.31	7593.57	1.00	32294.70	339382.00	32294.70	4.253
8	416.67	1	SLU	-7802.29	780.32	0.85	11.31	7841.22	1.00	32294.70	339205.00	32294.70	4.119
9	476.19	1	SLU	-7706.99	770.78	0.85	11.31	7745.44	1.00	32294.70	339028.00	32294.70	4.170
10	535.71	1	SLU	-7358.99	735.98	0.85	11.31	7395.71	1.00	32294.70	338852.00	32294.70	4.367
11	595.24	1	SLU	-6834.10	683.49	0.85	11.31	6868.20	1.00	32294.70	338677.00	32294.70	4.702
12	654.76	1	SLU	-6195.47	619.62	0.85	11.31	6226.38	1.00	32294.70	338503.00	32294.70	5.187
13	714.29	1	SLU	-5494.49	549.51	0.85	11.31	5521.90	1.00	32294.70	338330.00	32294.70	5.848
14	773.81	1	SLU	-4771.95	477.25	0.85	11.31	4795.75	1.00	32294.70	338158.00	32294.70	6.734
15	833.33	1	SLU	-4059.15	405.96	0.85	11.31	4079.40	1.00	32294.70	337987.00	32294.70	7.917
16	892.86	1	SLU	-3379.23	337.96	0.85	11.31	3396.08	1.00	32294.70	337816.00	32294.70	9.509
17	952.38	1	SLU	-2748.33	274.86	0.85	11.31	2762.04	1.00	32294.70	337647.00	32294.70	11.692
18	1011.90	1	SLU	-2176.80	217.70	0.85	11.31	2187.66	1.00	32294.70	337478.00	32294.70	14.762
19	1071.43	1	SLU	-1670.26	167.04	0.85	11.31	1678.59	1.00	32294.70	337309.00	32294.70	19.239
20	1130.95	1	SLU	-1230.60	123.07	0.85	11.31	1236.74	1.00	32294.70	337142.00	32294.70	26.113
21	1190.48	1	SLU	-856.82	85.69	0.85	11.31	861.10	1.00	32294.70	336975.00	32294.70	37.504
22	1250.00	1	SLU	-545.83	54.59	0.85	11.31	548.55	1.00	32294.70	336809.00	32294.70	58.873
23	1309.52	1	SLU	-293.05	29.31	0.85	11.31	294.51	1.00	32294.70	336643.00	32294.70	>100
24	1369.05	1	SLU	-92.97	9.30	0.85	11.31	93.44	1.00	32294.70	336478.00	32294.70	>100

25	1428.57	1	SLU	60.42	-6.04	0.85	11.31	60.73	1.00	32294.70	336314.00	32294.70	>100
26	1488.10	1	SLU	173.31	-17.33	0.85	11.31	174.17	1.00	32294.70	336150.00	32294.70	>100
27	1547.62	1	SLU	251.76	-25.18	0.85	11.31	253.01	1.00	32294.70	335987.00	32294.70	>100
28	1607.14	1	SLU	301.54	-30.16	0.85	11.31	303.04	1.00	32294.70	335824.00	32294.70	>100
29	1666.67	1	SLU	327.99	-32.80	0.85	11.31	329.63	1.00	32294.70	335662.00	32294.70	97.973
30	1726.19	1	SLU	335.95	-33.60	0.85	11.31	337.62	1.00	32294.70	335501.00	32294.70	95.653
31	1785.71	1	SLU	329.66	-32.97	0.85	11.31	331.30	1.00	32294.70	335340.00	32294.70	97.478
32	1845.24	1	SLU	312.81	-31.28	0.85	11.31	314.37	1.00	32294.70	335179.00	32294.70	>100
33	1904.76	1	SLU	288.51	-28.85	0.85	11.31	289.95	1.00	32294.70	335019.00	32294.70	>100
34	1964.29	1	SLU	259.34	-25.94	0.85	11.31	260.64	1.00	32294.70	334859.00	32294.70	>100
35	2023.81	1	SLU	227.39	-22.74	0.85	11.31	228.53	1.00	32294.70	334700.00	32294.70	>100
36	2083.33	1	SLU	194.29	-19.43	0.85	11.31	195.26	1.00	32294.70	334541.00	32294.70	>100
37	2142.86	1	SLU	161.29	-16.13	0.85	11.31	162.10	1.00	32294.70	334382.00	32294.70	>100
38	2202.38	1	SLU	129.30	-12.93	0.85	11.31	129.94	1.00	32294.70	334224.00	32294.70	>100
39	2261.90	1	SLU	98.95	-9.90	0.85	11.31	99.44	1.00	32294.70	334066.00	32294.70	>100
40	2321.43	1	SLU	70.66	-7.07	0.85	11.31	71.01	1.00	32294.70	333909.00	32294.70	>100
41	2380.95	1	SLU	44.67	-4.47	0.85	11.31	44.89	1.00	32294.70	333751.00	32294.70	>100
42	2440.48	1	SLU	21.10	-2.11	0.85	11.31	21.21	1.00	32294.70	333594.00	32294.70	>100

Verifiche stato limite d'esercizio

Caso	X <cm>	CC	TCC	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ_C <daN/cmq>	σ_f <daN/cmq>
44	0.00	2	SLE R	-44414.30	5791.22	34108.90	47.12	31.42	32.85	717.35
45	59.52	2	SLE R	-44798.10	6171.81	36350.40	47.12	31.42	35.17	795.02
46	119.05	2	SLE R	-43888.50	6235.57	36726.00	47.12	31.42	35.62	820.00
47	178.57	2	SLE R	-42984.50	6059.61	35689.60	47.12	31.42	34.60	792.76
48	238.09	2	SLE R	-42085.90	5710.29	33632.20	47.12	31.42	32.50	727.84
49	297.62	2	SLE R	-41192.70	5243.60	30883.50	47.12	31.42	29.67	637.89
50	357.14	2	SLE R	-40304.70	4705.68	27715.30	43.98	34.56	26.39	533.66
51	416.67	2	SLE R	-39421.90	4133.69	24346.40	40.84	37.70	22.89	424.20
52	476.19	2	SLE R	-38544.00	3556.68	20948.00	40.84	37.70	19.36	317.22
53	535.71	2	SLE R	-37671.00	2996.63	17649.40	40.84	37.70	15.94	219.46
54	595.24	2	SLE R	-36802.80	2469.37	14544.00	34.56	43.98	12.81	176.85
55	654.76	2	SLE R	-35939.30	1985.62	11694.80	31.42	47.12	10.11	141.19
56	714.29	2	SLE R	-35080.40	1551.83	9139.90	25.13	53.41	7.98	112.66
57	773.81	2	SLE R	-34225.90	1171.06	6897.24	15.71	62.83	6.42	91.44
58	833.33	2	SLE R	-33375.70	843.68	4969.09	0.00	78.54	5.29	75.98
59	892.86	2	SLE R	-32529.80	568.08	3345.85	0.00	78.54	4.38	63.42
60	952.38	2	SLE R	-31688.00	341.17	2009.42	0.00	78.54	3.62	52.90
61	1011.90	2	SLE R	-30850.20	158.91	935.91	0.00	78.54	2.99	44.26
62	1071.43	2	SLE R	-30016.40	16.64	98.02	0.00	78.54	2.49	37.29
63	1130.95	2	SLE R	-29186.30	-90.53	-533.18	0.00	78.54	2.65	39.39
64	1190.48	2	SLE R	-28360.00	-167.54	-986.78	0.00	78.54	2.82	41.62
65	1250.00	2	SLE R	-27537.30	-219.19	-1290.96	0.00	78.54	2.91	42.79
66	1309.52	2	SLE R	-26718.00	-249.95	-1472.17	0.00	78.54	2.94	43.09
67	1369.05	2	SLE R	-25902.20	-263.96	-1554.68	0.00	78.54	2.91	42.68
68	1428.57	2	SLE R	-25089.60	-264.90	-1560.20	0.00	78.54	2.85	41.73
69	1488.10	2	SLE R	-24280.30	-256.00	-1507.78	0.00	78.54	2.76	40.37
70	1547.62	2	SLE R	-23474.00	-240.04	-1413.79	0.00	78.54	2.64	38.71
71	1607.14	2	SLE R	-22670.70	-219.36	-1291.99	0.00	78.54	2.51	36.86
72	1666.67	2	SLE R	-21870.30	-195.89	-1153.72	0.00	78.54	2.38	34.90
73	1726.19	2	SLE R	-21072.60	-171.16	-1008.11	0.00	78.54	2.24	32.89
74	1785.71	2	SLE R	-20277.60	-146.40	-862.27	0.00	78.54	2.10	30.88
75	1845.24	2	SLE R	-19485.20	-122.52	-721.61	0.00	78.54	1.96	28.91
76	1904.76	2	SLE R	-18695.30	-100.18	-590.05	0.00	78.54	1.83	27.01
77	1964.29	2	SLE R	-17907.70	-79.84	-470.24	0.00	78.54	1.70	25.19
78	2023.81	2	SLE R	-17122.50	-61.78	-363.86	0.00	78.54	1.58	23.47
79	2083.33	2	SLE R	-16339.40	-46.14	-271.73	0.00	78.54	1.47	21.86
80	2142.86	2	SLE R	-15558.30	-32.95	-194.08	0.00	78.54	1.37	20.35
81	2202.38	2	SLE R	-14779.30	-22.18	-130.66	0.00	78.54	1.27	18.95
82	2261.90	2	SLE R	-14002.10	-13.73	-80.87	0.00	78.54	1.18	17.65
83	2321.43	2	SLE R	-13226.70	-7.45	-43.90	0.00	78.54	1.10	16.44
84	2380.95	2	SLE R	-12453.00	-3.19	-18.80	0.00	78.54	1.02	15.32
85	2440.48	2	SLE R	-11680.80	-0.77	-4.52	0.00	78.54	0.95	14.27
86	2500.00	2	SLE R	-10910.20	0.00	0.00	0.00	78.54	0.89	13.30
87	0.00	4	SLE Q	-44414.30	5791.22	34108.90	47.12	31.42	32.85	717.35
88	59.52	4	SLE Q	-44798.10	6171.81	36350.40	47.12	31.42	35.17	795.02
89	119.05	4	SLE Q	-43888.50	6235.57	36726.00	47.12	31.42	35.62	820.00
90	178.57	4	SLE Q	-42984.50	6059.61	35689.60	47.12	31.42	34.60	792.76
91	238.09	4	SLE Q	-42085.90	5710.29	33632.20	47.12	31.42	32.50	727.84
92	297.62	4	SLE Q	-41192.70	5243.60	30883.50	47.12	31.42	29.67	637.89
93	357.14	4	SLE Q	-40304.70	4705.68	27715.30	43.98	34.56	26.39	533.66
94	416.67	4	SLE Q	-39421.90	4133.69	24346.40	40.84	37.70	22.89	424.20
95	476.19	4	SLE Q	-38544.00	3556.68	20948.00	40.84	37.70	19.36	317.22
96	535.71	4	SLE Q	-37671.00	2996.63	17649.40	40.84	37.70	15.94	219.46
97	595.24	4	SLE Q	-36802.80	2469.37	14544.00	34.56	43.98	12.81	176.85
98	654.76	4	SLE Q	-35939.30	1985.62	11694.80	31.42	47.12	10.11	141.19

99	714.29	4	SLE Q	-35080.40	1551.83	9139.90	25.13	53.41	7.98	112.66
100	773.81	4	SLE Q	-34225.90	1171.06	6897.24	15.71	62.83	6.42	91.44
101	833.33	4	SLE Q	-33375.70	843.68	4969.09	0.00	78.54	5.29	75.98
102	892.86	4	SLE Q	-32529.80	568.08	3345.85	0.00	78.54	4.38	63.42
103	952.38	4	SLE Q	-31688.00	341.17	2009.42	0.00	78.54	3.62	52.90
104	1011.90	4	SLE Q	-30850.20	158.91	935.91	0.00	78.54	2.99	44.26
105	1071.43	4	SLE Q	-30016.40	16.64	98.02	0.00	78.54	2.49	37.29
106	1130.95	4	SLE Q	-29186.30	-90.53	-533.18	0.00	78.54	2.65	39.39
107	1190.48	4	SLE Q	-28360.00	-167.54	-986.78	0.00	78.54	2.82	41.62
108	1250.00	4	SLE Q	-27537.30	-219.19	-1290.96	0.00	78.54	2.91	42.79
109	1309.52	4	SLE Q	-26718.00	-249.95	-1472.17	0.00	78.54	2.94	43.09
110	1369.05	4	SLE Q	-25902.20	-263.96	-1554.68	0.00	78.54	2.91	42.68
111	1428.57	4	SLE Q	-25089.60	-264.90	-1560.20	0.00	78.54	2.85	41.73
112	1488.10	4	SLE Q	-24280.30	-256.00	-1507.78	0.00	78.54	2.76	40.37
113	1547.62	4	SLE Q	-23474.00	-240.04	-1413.79	0.00	78.54	2.64	38.71
114	1607.14	4	SLE Q	-22670.70	-219.36	-1291.99	0.00	78.54	2.51	36.86
115	1666.67	4	SLE Q	-21870.30	-195.89	-1153.72	0.00	78.54	2.38	34.90
116	1726.19	4	SLE Q	-21072.60	-171.16	-1008.11	0.00	78.54	2.24	32.89
117	1785.71	4	SLE Q	-20277.60	-146.40	-862.27	0.00	78.54	2.10	30.88
118	1845.24	4	SLE Q	-19485.20	-122.52	-721.61	0.00	78.54	1.96	28.91
119	1904.76	4	SLE Q	-18695.30	-100.18	-590.05	0.00	78.54	1.83	27.01
120	1964.29	4	SLE Q	-17907.70	-79.84	-470.24	0.00	78.54	1.70	25.19
121	2023.81	4	SLE Q	-17122.50	-61.78	-363.86	0.00	78.54	1.58	23.47
122	2083.33	4	SLE Q	-16339.40	-46.14	-271.73	0.00	78.54	1.47	21.86
123	2142.86	4	SLE Q	-15558.30	-32.95	-194.08	0.00	78.54	1.37	20.35
124	2202.38	4	SLE Q	-14779.30	-22.18	-130.66	0.00	78.54	1.27	18.95
125	2261.90	4	SLE Q	-14002.10	-13.73	-80.87	0.00	78.54	1.18	17.65
126	2321.43	4	SLE Q	-13226.70	-7.45	-43.90	0.00	78.54	1.10	16.44
127	2380.95	4	SLE Q	-12453.00	-3.19	-18.80	0.00	78.54	1.02	15.32
128	2440.48	4	SLE Q	-11680.80	-0.77	-4.52	0.00	78.54	0.95	14.27
129	2500.00	4	SLE Q	-10910.20	0.00	0.00	0.00	78.54	0.89	13.30

Stato limite d'esercizio – Verifiche a fessurazione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	c <mm>	s <mm>	K_2	Φ_{eq}	Δ_{sm} <mm>	A_s <cmq>	$A_{c\ eff}$ <cmq>	σ_s <daN/cmq>	ε_{sm}	Wk <mm>
87	0.00	4	SLE Q	-44414.30	34108.90	5791.22	46.00	136.36	0.50	20.00	202.83	21.99	1218.65	717.35	0.21	0.07
88	59.52	4	SLE Q	-44798.10	36350.40	6171.81	46.00	136.36	0.50	20.00	203.90	21.99	1230.39	795.02	0.23	0.08
89	119.05	4	SLE Q	-43888.50	36726.00	6235.57	46.00	136.36	0.50	20.00	204.46	21.99	1236.52	820.00	0.24	0.08
90	178.57	4	SLE Q	-42984.50	35689.60	6059.61	46.00	136.36	0.50	20.00	204.32	21.99	1234.99	792.76	0.23	0.08
91	238.09	4	SLE Q	-42085.90	33632.20	5710.29	46.00	136.36	0.50	20.00	203.61	21.99	1227.24	727.84	0.21	0.07
92	297.62	4	SLE Q	-41192.70	30883.50	5243.60	46.00	136.36	0.50	20.00	202.33	21.99	1213.17	637.89	0.19	0.06
93	357.14	4	SLE Q	-40304.70	27715.30	4705.68	46.00	136.36	0.50	20.00	200.36	21.99	1191.53	533.66	0.16	0.05
94	416.67	4	SLE Q	-39421.90	24346.40	4133.69	46.00	136.36	0.50	20.00	197.47	21.99	1159.68	424.20	0.12	0.04
95	476.19	4	SLE Q	-38544.00	20948.00	3556.68	46.00	136.36	0.50	20.00	193.22	21.99	1112.93	317.22	0.09	0.03
96	535.71	4	SLE Q	-37671.00	17649.40	2996.63	46.00	136.36	0.50	20.00	202.68	18.85	1043.13	219.46	0.06	0.02
97	595.24	4	SLE Q	-36802.80	14544.00	2469.37	46.00	136.36	0.50	20.00	211.14	15.71	935.73	137.01	0.04	0.01
98	654.76	4	SLE Q	-35939.30	11694.80	1985.62	46.00	136.36	0.50	20.00	187.91	15.71	753.28	74.68	0.02	0.01
99	714.29	4	SLE Q	-35080.40	9139.90	1551.83	46.00	136.36	0.50	20.00	188.33	9.42	453.95	33.39	0.01	0.00
130	0.00	3	SLE F	-44414.30	34108.90	5791.22	46.00	136.36	0.50	20.00	202.83	21.99	1218.65	717.35	0.21	0.07
131	59.52	3	SLE F	-44798.10	36350.40	6171.81	46.00	136.36	0.50	20.00	203.90	21.99	1230.39	795.02	0.23	0.08
132	119.05	3	SLE F	-43888.50	36726.00	6235.57	46.00	136.36	0.50	20.00	204.46	21.99	1236.52	820.00	0.24	0.08
133	178.57	3	SLE F	-42984.50	35689.60	6059.61	46.00	136.36	0.50	20.00	204.32	21.99	1234.99	792.76	0.23	0.08
134	238.09	3	SLE F	-42085.90	33632.20	5710.29	46.00	136.36	0.50	20.00	203.61	21.99	1227.24	727.84	0.21	0.07
135	297.62	3	SLE F	-41192.70	30883.50	5243.60	46.00	136.36	0.50	20.00	202.33	21.99	1213.17	637.89	0.19	0.06
136	357.14	3	SLE F	-40304.70	27715.30	4705.68	46.00	136.36	0.50	20.00	200.36	21.99	1191.53	533.66	0.16	0.05
137	416.67	3	SLE F	-39421.90	24346.40	4133.69	46.00	136.36	0.50	20.00	197.47	21.99	1159.68	424.20	0.12	0.04
138	476.19	3	SLE F	-38544.00	20948.00	3556.68	46.00	136.36	0.50	20.00	193.22	21.99	1112.93	317.22	0.09	0.03
139	535.71	3	SLE F	-37671.00	17649.40	2996.63	46.00	136.36	0.50	20.00	202.68	18.85	1043.13	219.46	0.06	0.02
140	595.24	3	SLE F	-36802.80	14544.00	2469.37	46.00	136.36	0.50	20.00	211.14	15.71	935.73	137.01	0.04	0.01
141	654.76	3	SLE F	-35939.30	11694.80	1985.62	46.00	136.36	0.50	20.00	187.91	15.71	753.28	74.68	0.02	0.01
142	714.29	3	SLE F	-35080.40	9139.90	1551.83	46.00	136.36	0.50	20.00	188.33	9.42	453.95	33.39	0.01	0.00

Verifiche principali

Caso	Tipo
3	SLU N cost – min. sic.
8	SLU Taglio – min. sic. c.a.,SLU Taglio – min. sic. acciaio
46	C.Rare – Sc min (max compr.),C.Rare – Sf max (max traz.),C.Rare – Sf min (max compr.)
58	C.Rare – Sc max (min. compr.)
89	C.Q.Per. – Sc min (max compr.),C.Q.Per. – Sf max (max traz.),C.Q.Per. – Sf min (max compr.),C.Q.Per. – Wk Max
101	C.Q.Per. – Sc max (min. compr.)
132	C.Freq – Wk Max

Palo n. 16

Caratteristiche del palo e dei materiali utilizzati

R <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>

60.00	6.00	C30/37	307.10	20.59	174.02	13.73	B450C	4300.00	3913.04

Le sollecitazioni nei pali vengono calcolate oltre che per l'effetto delle reazioni vincolari anche considerando i seguenti effetti

Azioni ed effetti comuni

Az	N <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
PP	0.00	0.00	0.00	
SVR	0.00			

Azioni ed effetti - Plinto/Palo n. 16 (-29)

Caso	CC	TCC	Az	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	RVN	93954.70	7428.22	-1002.45	48116.80	-16801.50
	1	SLU	TAG				0.00	0.00
	1	SLU	ECC				0.00	0.00
	1	SLU	TOT	93954.70	7428.22	-1002.45	48116.80	-16801.50
2	2	SLE R	RVN	69596.10	5502.38	-742.55	35642.10	-12445.50
	2	SLE R	TAG				0.00	0.00
	2	SLE R	ECC				0.00	0.00
	2	SLE R	TOT	69596.10	5502.38	-742.55	35642.10	-12445.50
3	3	SLE F	RVN	69596.10	5502.38	-742.55	35642.10	-12445.50
	3	SLE F	TAG				0.00	0.00
	3	SLE F	ECC				0.00	0.00
	3	SLE F	TOT	69596.10	5502.38	-742.55	35642.10	-12445.50
4	4	SLE Q	RVN	69596.10	5502.38	-742.55	35642.10	-12445.50
	4	SLE Q	TAG				0.00	0.00
	4	SLE Q	ECC				0.00	0.00
	4	SLE Q	TOT	69596.10	5502.38	-742.55	35642.10	-12445.50

Sollecitazioni nei pali

Caso	CC	TCC	Palo	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	1	-93954.70	-7428.22	1002.45	-48116.80	16801.50
2	2	SLE R	1	-69596.10	-5502.38	742.55	-35642.10	12445.50
3	3	SLE F	1	-69596.10	-5502.38	742.55	-35642.10	12445.50
4	4	SLE Q	1	-69596.10	-5502.38	742.55	-35642.10	12445.50

Da 0 a -25

Stato limite ultimo - Verifiche a flessione/pressoflessione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	Rott.	α <grad>	Sic.
1	0.00	1	SLU	-93954.70	47588.70	16617.10	-93954.70	175249.00	59562.70	2-3	161.25	3.672
2	59.52	1	SLU	-93752.20	50327.80	17573.50	-93752.20	175174.00	59537.90	2-3	161.25	3.471
3	119.05	1	SLU	-91676.10	50574.70	17659.70	-91676.10	174403.00	59283.40	2-3	161.25	3.439
4	178.57	1	SLU	-89611.60	48945.00	17090.70	-89611.60	173636.00	59030.00	2-3	161.25	3.538
5	238.09	1	SLU	-87558.50	45967.30	16050.90	-87558.50	172874.00	58778.40	2-3	161.25	3.750
6	297.62	1	SLU	-85516.50	42086.30	14695.70	-85516.50	172114.00	58527.10	2-3	161.25	4.078
7	357.14	1	SLU	-83485.30	37667.40	13152.80	-83485.30	171358.00	58277.30	2-3	161.25	4.537
8	416.67	1	SLU	-81464.80	33004.10	11524.40	-81464.80	170602.00	58028.20	2-3	161.25	5.155
9	476.19	1	SLU	-79454.60	28325.00	9890.55	-79454.60	169850.00	57780.20	2-3	161.25	5.980
10	535.71	1	SLU	-77454.50	23801.90	8311.16	-77454.50	169101.00	57533.30	2-3	161.25	7.085
11	595.24	1	SLU	-75464.20	19558.00	6829.27	-75464.20	168356.00	57287.50	2-3	161.25	8.584
12	654.76	1	SLU	-73483.50	15675.70	5473.64	-73483.50	167613.00	57042.70	2-3	161.25	10.663
13	714.29	1	SLU	-71512.20	12203.70	4261.29	-71512.20	166871.00	56798.50	2-3	161.25	13.637
14	773.81	1	SLU	-69549.90	9163.79	3199.82	-69549.90	166132.00	56555.30	2-3	161.25	18.080
15	833.33	1	SLU	-67596.40	6556.87	2289.54	-67596.40	165396.00	56312.90	2-3	161.25	25.157
16	892.86	1	SLU	-65651.60	4368.02	1525.23	-65651.60	164663.00	56071.60	2-3	161.25	37.597
17	952.38	1	SLU	-63715.00	2571.06	897.76	-2571250.00	163933.00	55831.00	2-3	161.25	40.355
18	1011.90	1	SLU	-61786.60	1132.33	395.39	-2571250.00	163202.00	55591.10	2-3	161.25	41.615
19	1071.43	1	SLU	-59866.00	13.75	4.80	-2571250.00	162474.00	55352.00	2-3	161.25	42.950
20	1130.95	1	SLU	-57953.00	-824.70	-287.97	-2571250.00	-161374.00	-56388.50	2-3	340.63	44.368
21	1190.48	1	SLU	-56047.30	-1423.05	-496.90	-2571250.00	-160637.00	-56139.80	2-3	340.63	45.876
22	1250.00	1	SLU	-54148.80	-1819.94	-635.49	-2571250.00	-159901.00	-55891.70	2-3	340.63	47.485
23	1309.52	1	SLU	-52257.20	-2051.53	-716.36	-2571250.00	-159164.00	-55644.10	2-3	340.63	49.204
24	1369.05	1	SLU	-50372.20	-2150.87	-751.04	-2571250.00	-158429.00	-55397.20	2-3	340.63	51.045
25	1428.57	1	SLU	-48493.50	-2147.46	-749.85	-2571250.00	-157697.00	-55151.00	2-3	340.63	53.023
26	1488.10	1	SLU	-46621.10	-2067.14	-721.81	-2571250.00	-156967.00	-54905.40	2-3	340.63	55.152
27	1547.62	1	SLU	-44754.50	-1932.02	-674.63	-2571250.00	-156237.00	-54660.20	2-3	340.63	57.452
28	1607.14	1	SLU	-42893.70	-1760.67	-614.79	-2571250.00	-155507.00	-54415.60	2-3	340.63	59.945
29	1666.67	1	SLU	-41038.20	-1568.33	-547.63	-2571250.00	-154779.00	-54171.40	2-3	340.63	62.655
30	1726.19	1	SLU	-39188.00	-1367.22	-477.41	-2571250.00	-154052.00	-53927.80	2-3	340.63	65.613
31	1785.71	1	SLU	-37342.80	-1166.87	-407.45	-2571250.00	-153328.00	-53684.70	2-3	340.63	68.855
32	1845.24	1	SLU	-35502.30	-974.43	-340.25	-2571250.00	-152602.00	-53441.90	2-3	340.63	72.425

33	1904.76	1	SLU	-33666.30	-795.07	-277.63	-2571250.00	-151875.00	-53201.80	2-3	340.63	76.374
34	1964.29	1	SLU	-31834.60	-632.27	-220.78	-2571250.00	-151143.00	-52968.60	2-3	340.63	80.769
35	2023.81	1	SLU	-30006.90	-488.14	-170.45	-2571250.00	-150413.00	-52735.70	2-3	340.63	85.688
36	2083.33	1	SLU	-28183.10	-363.71	-127.00	-2571250.00	-149684.00	-52503.10	2-3	340.63	91.234
37	2142.86	1	SLU	-26362.80	-259.15	-90.49	-2571250.00	-148954.00	-52271.20	2-3	340.63	97.533
38	2202.38	1	SLU	-24545.90	-174.01	-60.76	-2571250.00	-148223.00	-52039.70	2-3	340.63	>100
39	2261.90	1	SLU	-22732.00	-107.41	-37.51	-2571250.00	-147494.00	-51808.30	2-3	340.63	>100
40	2321.43	1	SLU	-20921.10	-58.14	-20.30	-2571250.00	-146766.00	-51577.10	2-3	340.63	>100
41	2380.95	1	SLU	-19112.80	-24.81	-8.66	-2571250.00	-146039.00	-51346.10	2-3	340.63	>100
42	2440.48	1	SLU	-17307.00	-5.95	-2.08	-2571250.00	-145870.00	-49520.20	2-3	341.25	>100
43	2500.00	1	SLU	-15503.30	0.00	0.00	-2571250.00					>100

Stato limite ultimo – Verifiche a taglio

Caso	X <cm>	CC	TCC	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1	0.00	1	SLU	7428.22	-1002.45	0.85	11.31	7495.55	1.00	32294.70	345126.00	32294.70	4.309
2	59.52	1	SLU	2439.18	-329.17	0.85	11.31	2461.29	1.00	32294.70	345097.00	32294.70	13.121
3	119.05	1	SLU	-1387.36	187.23	0.85	11.31	1399.94	1.00	32294.70	344800.00	32294.70	23.069
4	178.57	1	SLU	-4205.38	567.52	0.85	11.31	4243.50	1.00	32294.70	344504.00	32294.70	7.610
5	238.09	1	SLU	-6166.43	832.17	0.85	11.31	6222.32	1.00	32294.70	344210.00	32294.70	5.190
6	297.62	1	SLU	-7414.85	1000.65	0.85	11.31	7482.07	1.00	32294.70	343917.00	32294.70	4.316
7	357.14	1	SLU	-8084.41	1091.00	0.85	11.31	8157.69	1.00	32294.70	343626.00	32294.70	3.959
8	416.67	1	SLU	-8296.10	1119.57	0.85	11.31	8371.30	1.00	32294.70	343337.00	32294.70	3.858
9	476.19	1	SLU	-8157.04	1100.81	0.85	11.31	8230.99	1.00	32294.70	343049.00	32294.70	3.924
10	535.71	1	SLU	-7760.11	1047.24	0.85	11.31	7830.45	1.00	32294.70	342763.00	32294.70	4.124
11	595.24	1	SLU	-7184.14	969.51	0.85	11.31	7249.27	1.00	32294.70	342478.00	32294.70	4.455
12	654.76	1	SLU	-6494.67	876.47	0.85	11.31	6553.54	1.00	32294.70	342194.00	32294.70	4.928
13	714.29	1	SLU	-5744.86	775.28	0.85	11.31	5796.93	1.00	32294.70	341911.00	32294.70	5.571
14	773.81	1	SLU	-4976.72	671.62	0.85	11.31	5021.83	1.00	32294.70	341630.00	32294.70	6.431
15	833.33	1	SLU	-4222.41	569.82	0.85	11.31	4260.68	1.00	32294.70	341351.00	32294.70	7.580
16	892.86	1	SLU	-3505.51	473.07	0.85	11.31	3537.29	1.00	32294.70	341072.00	32294.70	9.130
17	952.38	1	SLU	-2842.37	383.58	0.85	11.31	2868.14	1.00	32294.70	340795.00	32294.70	11.260
18	1011.90	1	SLU	-2243.31	302.74	0.85	11.31	2263.64	1.00	32294.70	340518.00	32294.70	14.267
19	1071.43	1	SLU	-1713.75	231.27	0.85	11.31	1729.28	1.00	32294.70	340243.00	32294.70	18.675
20	1130.95	1	SLU	-1255.27	169.40	0.85	11.31	1266.65	1.00	32294.70	339969.00	32294.70	25.496
21	1190.48	1	SLU	-866.52	116.94	0.85	11.31	874.37	1.00	32294.70	339696.00	32294.70	36.935
22	1250.00	1	SLU	-543.96	73.41	0.85	11.31	548.89	1.00	32294.70	339424.00	32294.70	58.837
23	1309.52	1	SLU	-282.59	38.14	0.85	11.31	285.15	1.00	32294.70	339153.00	32294.70	>100
24	1369.05	1	SLU	-76.46	10.32	0.85	11.31	77.15	1.00	32294.70	338883.00	32294.70	>100
25	1428.57	1	SLU	80.86	-10.91	0.85	11.31	81.60	1.00	32294.70	338614.00	32294.70	>100
26	1488.10	1	SLU	195.94	-26.44	0.85	11.31	197.71	1.00	32294.70	338346.00	32294.70	>100
27	1547.62	1	SLU	275.19	-37.14	0.85	11.31	277.68	1.00	32294.70	338079.00	32294.70	>100
28	1607.14	1	SLU	324.70	-43.82	0.85	11.31	327.65	1.00	32294.70	337812.00	32294.70	98.566
29	1666.67	1	SLU	350.10	-47.25	0.85	11.31	353.27	1.00	32294.70	337546.00	32294.70	91.417
30	1726.19	1	SLU	356.42	-48.10	0.85	11.31	359.65	1.00	32294.70	337281.00	32294.70	89.794
31	1785.71	1	SLU	348.14	-46.98	0.85	11.31	351.29	1.00	32294.70	337017.00	32294.70	91.931
32	1845.24	1	SLU	329.08	-44.41	0.85	11.31	332.07	1.00	32294.70	336753.00	32294.70	97.254
33	1904.76	1	SLU	302.50	-40.82	0.85	11.31	305.25	1.00	32294.70	336490.00	32294.70	>100
34	1964.29	1	SLU	271.08	-36.58	0.85	11.31	273.54	1.00	32294.70	336228.00	32294.70	>100
35	2023.81	1	SLU	236.97	-31.98	0.85	11.31	239.12	1.00	32294.70	335966.00	32294.70	>100
36	2083.33	1	SLU	201.87	-27.24	0.85	11.31	203.70	1.00	32294.70	335705.00	32294.70	>100
37	2142.86	1	SLU	167.06	-22.54	0.85	11.31	168.57	1.00	32294.70	335444.00	32294.70	>100
38	2202.38	1	SLU	133.48	-18.01	0.85	11.31	134.69	1.00	32294.70	335184.00	32294.70	>100
39	2261.90	1	SLU	101.79	-13.74	0.85	11.31	102.71	1.00	32294.70	334924.00	32294.70	>100
40	2321.43	1	SLU	72.40	-9.77	0.85	11.31	73.06	1.00	32294.70	334665.00	32294.70	>100
41	2380.95	1	SLU	45.57	-6.15	0.85	11.31	45.99	1.00	32294.70	334406.00	32294.70	>100
42	2440.48	1	SLU	21.42	-2.89	0.85	11.31	21.62	1.00	32294.70	334147.00	32294.70	>100

Verifiche stato limite d'esercizio

Caso	X <cm>	CC	TCC	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ_C <daN/cmq>	σ_f <daN/cmq>
44	0.00	2	SLE R	-69596.10	12308.90	35250.90	40.84	37.70	34.26	536.66
45	59.52	2	SLE R	-69681.90	13017.40	37279.80	43.98	34.56	36.54	606.11
46	119.05	2	SLE R	-68179.30	13081.30	37462.70	43.98	34.56	36.86	627.82
47	178.57	2	SLE R	-66685.40	12659.80	36255.50	43.98	34.56	35.62	600.41
48	238.09	2	SLE R	-65200.00	11889.60	34049.90	43.98	34.56	33.25	538.10
49	297.62	2	SLE R	-63722.80	10885.70	31175.00	40.84	37.70	30.13	454.02
50	357.14	2	SLE R	-62253.80	9742.78	27901.80	37.70	40.84	26.59	361.61
51	416.67	2	SLE R	-60792.60	8536.61	24447.50	37.70	40.84	22.90	313.54
52	476.19	2	SLE R	-59339.20	7326.33	20981.50	34.56	43.98	19.30	266.46
53	535.71	2	SLE R	-57893.30	6156.41	17631.00	31.42	47.12	16.03	223.27
54	595.24	2	SLE R	-56454.70	5058.72	14487.40	25.13	53.41	13.26	186.24
55	654.76	2	SLE R	-55023.40	4054.55	11611.60	18.85	59.69	11.04	156.30
56	714.29	2	SLE R	-53599.00	3156.51	9039.75	6.28	72.26	9.32	132.91
57	773.81	2	SLE R	-52181.40	2370.24	6787.99	0.00	78.54	7.96	114.22
58	833.33	2	SLE R	-50770.40	1695.95	4856.94	0.00	78.54	6.79	98.11
59	892.86	2	SLE R	-49365.90	1129.80	3235.57	0.00	78.54	5.79	84.31

60	952.38	2	SLE R	-47967.60	665.01	1904.49	0.00	78.54	4.94	72.68
61	1011.90	2	SLE R	-46575.40	292.88	838.76	0.00	78.54	4.25	63.04
62	1071.43	2	SLE R	-45189.20	3.56	10.19	0.00	78.54	3.68	55.17
63	1130.95	2	SLE R	-43808.70	-213.31	-610.88	0.00	78.54	3.90	57.94
64	1190.48	2	SLE R	-42433.70	-368.08	-1054.11	0.00	78.54	4.03	59.55
65	1250.00	2	SLE R	-41064.10	-470.73	-1348.10	0.00	78.54	4.08	60.06
66	1309.52	2	SLE R	-39699.80	-530.63	-1519.65	0.00	78.54	4.06	59.67
67	1369.05	2	SLE R	-38340.50	-556.33	-1593.23	0.00	78.54	3.99	58.56
68	1428.57	2	SLE R	-36986.00	-555.45	-1590.71	0.00	78.54	3.88	56.89
69	1488.10	2	SLE R	-35636.30	-534.67	-1531.22	0.00	78.54	3.74	54.80
70	1547.62	2	SLE R	-34291.10	-499.72	-1431.13	0.00	78.54	3.57	52.42
71	1607.14	2	SLE R	-32950.20	-455.40	-1304.20	0.00	78.54	3.39	49.85
72	1666.67	2	SLE R	-31613.50	-405.65	-1161.73	0.00	78.54	3.21	47.16
73	1726.19	2	SLE R	-30280.80	-353.64	-1012.76	0.00	78.54	3.02	44.43
74	1785.71	2	SLE R	-28952.00	-301.81	-864.35	0.00	78.54	2.83	41.71
75	1845.24	2	SLE R	-27626.80	-252.04	-721.80	0.00	78.54	2.64	39.04
76	1904.76	2	SLE R	-26305.20	-205.65	-588.94	0.00	78.54	2.46	36.44
77	1964.29	2	SLE R	-24986.90	-163.54	-468.35	0.00	78.54	2.29	33.94
78	2023.81	2	SLE R	-23671.70	-126.26	-361.59	0.00	78.54	2.12	31.54
79	2083.33	2	SLE R	-22359.60	-94.07	-269.41	0.00	78.54	1.97	29.26
80	2142.86	2	SLE R	-21050.30	-67.03	-191.96	0.00	78.54	1.82	27.09
81	2202.38	2	SLE R	-19743.70	-45.01	-128.90	0.00	78.54	1.68	25.03
82	2261.90	2	SLE R	-18439.60	-27.78	-79.56	0.00	78.54	1.54	23.07
83	2321.43	2	SLE R	-17137.80	-15.04	-43.06	0.00	78.54	1.42	21.21
84	2380.95	2	SLE R	-15838.20	-6.42	-18.38	0.00	78.54	1.30	19.45
85	2440.48	2	SLE R	-14540.60	-1.54	-4.40	0.00	78.54	1.18	17.76
86	2500.00	2	SLE R	-13244.90	0.00	0.00	0.00	78.54	1.08	16.15
87	0.00	4	SLE Q	-69596.10	12308.90	35250.90	40.84	37.70	34.26	536.66
88	59.52	4	SLE Q	-69681.90	13017.40	37279.80	43.98	34.56	36.54	606.11
89	119.05	4	SLE Q	-68179.30	13081.30	37462.70	43.98	34.56	36.86	627.82
90	178.57	4	SLE Q	-66685.40	12659.80	36255.50	43.98	34.56	35.62	600.41
91	238.09	4	SLE Q	-65200.00	11889.60	34049.90	43.98	34.56	33.25	538.10
92	297.62	4	SLE Q	-63722.80	10885.70	31175.00	40.84	37.70	30.13	454.02
93	357.14	4	SLE Q	-62253.80	9742.78	27901.80	37.70	40.84	26.59	361.61
94	416.67	4	SLE Q	-60792.60	8536.61	24447.50	37.70	40.84	22.90	313.54
95	476.19	4	SLE Q	-59339.20	7326.33	20981.50	34.56	43.98	19.30	266.46
96	535.71	4	SLE Q	-57893.30	6156.41	17631.00	31.42	47.12	16.03	223.27
97	595.24	4	SLE Q	-56454.70	5058.72	14487.40	25.13	53.41	13.26	186.24
98	654.76	4	SLE Q	-55023.40	4054.55	11611.60	18.85	59.69	11.04	156.30
99	714.29	4	SLE Q	-53599.00	3156.51	9039.75	6.28	72.26	9.32	132.91
100	773.81	4	SLE Q	-52181.40	2370.24	6787.99	0.00	78.54	7.96	114.22
101	833.33	4	SLE Q	-50770.40	1695.95	4856.94	0.00	78.54	6.79	98.11
102	892.86	4	SLE Q	-49365.90	1129.80	3235.57	0.00	78.54	5.79	84.31
103	952.38	4	SLE Q	-47967.60	665.01	1904.49	0.00	78.54	4.94	72.68
104	1011.90	4	SLE Q	-46575.40	292.88	838.76	0.00	78.54	4.25	63.04
105	1071.43	4	SLE Q	-45189.20	3.56	10.19	0.00	78.54	3.68	55.17
106	1130.95	4	SLE Q	-43808.70	-213.31	-610.88	0.00	78.54	3.90	57.94
107	1190.48	4	SLE Q	-42433.70	-368.08	-1054.11	0.00	78.54	4.03	59.55
108	1250.00	4	SLE Q	-41064.10	-470.73	-1348.10	0.00	78.54	4.08	60.06
109	1309.52	4	SLE Q	-39699.80	-530.63	-1519.65	0.00	78.54	4.06	59.67
110	1369.05	4	SLE Q	-38340.50	-556.33	-1593.23	0.00	78.54	3.99	58.56
111	1428.57	4	SLE Q	-36986.00	-555.45	-1590.71	0.00	78.54	3.88	56.89
112	1488.10	4	SLE Q	-35636.30	-534.67	-1531.22	0.00	78.54	3.74	54.80
113	1547.62	4	SLE Q	-34291.10	-499.72	-1431.13	0.00	78.54	3.57	52.42
114	1607.14	4	SLE Q	-32950.20	-455.40	-1304.20	0.00	78.54	3.39	49.85
115	1666.67	4	SLE Q	-31613.50	-405.65	-1161.73	0.00	78.54	3.21	47.16
116	1726.19	4	SLE Q	-30280.80	-353.64	-1012.76	0.00	78.54	3.02	44.43
117	1785.71	4	SLE Q	-28952.00	-301.81	-864.35	0.00	78.54	2.83	41.71
118	1845.24	4	SLE Q	-27626.80	-252.04	-721.80	0.00	78.54	2.64	39.04
119	1904.76	4	SLE Q	-26305.20	-205.65	-588.94	0.00	78.54	2.46	36.44
120	1964.29	4	SLE Q	-24986.90	-163.54	-468.35	0.00	78.54	2.29	33.94
121	2023.81	4	SLE Q	-23671.70	-126.26	-361.59	0.00	78.54	2.12	31.54
122	2083.33	4	SLE Q	-22359.60	-94.07	-269.41	0.00	78.54	1.97	29.26
123	2142.86	4	SLE Q	-21050.30	-67.03	-191.96	0.00	78.54	1.82	27.09
124	2202.38	4	SLE Q	-19743.70	-45.01	-128.90	0.00	78.54	1.68	25.03
125	2261.90	4	SLE Q	-18439.60	-27.78	-79.56	0.00	78.54	1.54	23.07
126	2321.43	4	SLE Q	-17137.80	-15.04	-43.06	0.00	78.54	1.42	21.21
127	2380.95	4	SLE Q	-15838.20	-6.42	-18.38	0.00	78.54	1.30	19.45
128	2440.48	4	SLE Q	-14540.60	-1.54	-4.40	0.00	78.54	1.18	17.76
129	2500.00	4	SLE Q	-13244.90	0.00	0.00	0.00	78.54	1.08	16.15

Stato limite d'esercizio - Verifiche a fessurazione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	c <mm>	s <mm>	K_2	Φ_{eq}	Δ_{sm} <mm>	A_s <cmq>	$A_{c\ eff}$ <cmq>	σ_s <daN/cmq>	ε_{sm}	Wk <mm>
87	0.00	4	SLE Q	-69596.10	35250.90	12308.90	46.00	136.36	0.50	20.00	206.88	18.85	1082.72	536.66	0.16	0.05
88	59.52	4	SLE Q	-69681.90	37279.80	13017.40	46.00	136.36	0.50	20.00	209.26	18.85	1105.19	606.11	0.18	0.06
89	119.05	4	SLE Q	-68179.30	37462.70	13081.30	46.00	136.36	0.50	20.00	210.34	18.85	1115.30	627.82	0.18	0.07

90	178.57	4	SLE Q	-66685.40	36255.50	12659.80	46.00	136.36	0.50	20.00	209.92	18.85	1111.35	600.41	0.17	0.06
91	238.09	4	SLE Q	-65200.00	34049.90	11889.60	46.00	136.36	0.50	20.00	208.24	18.85	1095.57	538.10	0.16	0.06
92	297.62	4	SLE Q	-63722.80	31175.00	10885.70	46.00	136.36	0.50	20.00	205.23	18.85	1067.16	454.02	0.13	0.05
93	357.14	4	SLE Q	-62253.80	27901.80	9742.78	46.00	136.36	0.50	20.00	200.53	18.85	1022.83	359.84	0.10	0.04
94	416.67	4	SLE Q	-60792.60	24447.50	8536.61	46.00	136.36	0.50	20.00	193.50	18.85	956.60	265.81	0.08	0.03
95	476.19	4	SLE Q	-59339.20	20981.50	7326.33	46.00	136.36	0.50	20.00	201.40	15.71	859.22	180.64	0.05	0.02
96	535.71	4	SLE Q	-57893.30	17631.00	6156.41	46.00	136.36	0.50	20.00	202.81	12.57	696.21	110.81	0.03	0.01
97	595.24	4	SLE Q	-56454.70	14487.40	5058.72	46.00	136.36	0.50	20.00	165.35	12.57	460.87	59.23	0.02	0.00
98	654.76	4	SLE Q	-55023.40	11611.60	4054.55	46.00	136.36	0.50	20.00	165.17	6.28	229.86	24.39	0.01	0.00
130	0.00	3	SLE F	-69596.10	35250.90	12308.90	46.00	136.36	0.50	20.00	206.88	18.85	1082.72	536.66	0.16	0.05
131	59.52	3	SLE F	-69681.90	37279.80	13017.40	46.00	136.36	0.50	20.00	209.26	18.85	1105.19	606.11	0.18	0.06
132	119.05	3	SLE F	-68179.30	37462.70	13081.30	46.00	136.36	0.50	20.00	210.34	18.85	1115.30	627.82	0.18	0.07
133	178.57	3	SLE F	-66685.40	36255.50	12659.80	46.00	136.36	0.50	20.00	209.92	18.85	1111.35	600.41	0.17	0.06
134	238.09	3	SLE F	-65200.00	34049.90	11889.60	46.00	136.36	0.50	20.00	208.24	18.85	1095.57	538.10	0.16	0.06
135	297.62	3	SLE F	-63722.80	31175.00	10885.70	46.00	136.36	0.50	20.00	205.23	18.85	1067.16	454.02	0.13	0.05
136	357.14	3	SLE F	-62253.80	27901.80	9742.78	46.00	136.36	0.50	20.00	200.53	18.85	1022.83	359.84	0.10	0.04
137	416.67	3	SLE F	-60792.60	24447.50	8536.61	46.00	136.36	0.50	20.00	193.50	18.85	956.60	265.81	0.08	0.03
138	476.19	3	SLE F	-59339.20	20981.50	7326.33	46.00	136.36	0.50	20.00	201.40	15.71	859.22	180.64	0.05	0.02
139	535.71	3	SLE F	-57893.30	17631.00	6156.41	46.00	136.36	0.50	20.00	202.81	12.57	696.21	110.81	0.03	0.01
140	595.24	3	SLE F	-56454.70	14487.40	5058.72	46.00	136.36	0.50	20.00	165.35	12.57	460.87	59.23	0.02	0.00
141	654.76	3	SLE F	-55023.40	11611.60	4054.55	46.00	136.36	0.50	20.00	165.17	6.28	229.86	24.39	0.01	0.00

Verifiche principali

Caso	Tipo
3	SLU N cost – min. sic.
8	SLU Taglio – min. sic. c.a.,SLU Taglio – min. sic. acciaio
46	C.Rare – Sc min (max compr.),C.Rare – Sf max (max traz.),C.Rare – Sf min (max compr.)
57	C.Rare – Sc max (min. compr.)
89	C.Q.Per. – Sc min (max compr.),C.Q.Per. – Sf max (max traz.),C.Q.Per. – Sf min (max compr.),C.Q.Per. – Wk Max
100	C.Q.Per. – Sc max (min. compr.)
132	C.Freq – Wk Max

Palo n. 17

Caratteristiche del palo e dei materiali utilizzati

R <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
60.00	6.00	C30/37	307.10	20.59	174.02	13.73	B450C	4300.00	3913.04

Le sollecitazioni nei pali vengono calcolate oltre che per l'effetto delle reazioni vincolari anche considerando i seguenti effetti

Azioni ed effetti comuni

Az	N <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
PP	0.00	0.00	0.00	
SVR	0.00			

Azioni ed effetti – Plinto/Palo n. 17 (-44)

Caso	CC	TCC	Az	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	RVN	134605.00	7115.06	-1154.63	45598.40	-28246.40
	1	SLU	TAG				0.00	0.00
	1	SLU	ECC				0.00	0.00
	1	SLU	TOT	134605.00	7115.06	-1154.63	45598.40	-28246.40
2	2	SLE R	RVN	99707.70	5270.42	-855.28	33776.60	-20923.20
	2	SLE R	TAG				0.00	0.00
	2	SLE R	ECC				0.00	0.00
	2	SLE R	TOT	99707.70	5270.42	-855.28	33776.60	-20923.20
3	3	SLE F	RVN	99707.70	5270.42	-855.28	33776.60	-20923.20
	3	SLE F	TAG				0.00	0.00
	3	SLE F	ECC				0.00	0.00
	3	SLE F	TOT	99707.70	5270.42	-855.28	33776.60	-20923.20
4	4	SLE Q	RVN	99707.70	5270.42	-855.28	33776.60	-20923.20
	4	SLE Q	TAG				0.00	0.00
	4	SLE Q	ECC				0.00	0.00
	4	SLE Q	TOT	99707.70	5270.42	-855.28	33776.60	-20923.20

Sollecitazioni nei pali

Caso	CC	TCC	Palo	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	1	-134605.00	-7115.06	1154.63	-45598.40	28246.40
2	2	SLE R	1	-99707.70	-5270.42	855.28	-33776.60	20923.20
3	3	SLE F	1	-99707.70	-5270.42	855.28	-33776.60	20923.20
4	4	SLE Q	1	-99707.70	-5270.42	855.28	-33776.60	20923.20

Da 0 a -25

Stato limite ultimo - Verifiche a flessione/pressoflessione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	Rott.	α <grad>	Sic.
1	0.00	1	SLU	-134605.00	45114.20	27946.40	-134605.00	171466.00	104290.00	2-3	148.75	3.782
2	0.00	1	SLU	-134605.00	45114.20	27946.40	-134605.00	171466.00	104290.00	2-3	148.75	3.782
3	59.52	1	SLU	-134281.00	47412.60	29370.20	-134281.00	171363.00	104224.00	2-3	148.75	3.596
4	59.52	1	SLU	-133922.00	47412.60	29370.20	-133922.00	171249.00	104152.00	2-3	148.75	3.594
5	119.05	1	SLU	-131478.00	47433.80	29383.40	-131478.00	170476.00	103656.00	2-3	148.75	3.576
6	119.05	1	SLU	-130888.00	47433.80	29383.40	-130888.00	170289.00	103537.00	2-3	148.75	3.572
7	178.57	1	SLU	-128452.00	45747.70	28338.80	-128452.00	169516.00	103042.00	2-3	148.75	3.686
8	178.57	1	SLU	-127872.00	45747.70	28338.80	-127872.00	169331.00	102923.00	2-3	148.75	3.682
9	238.09	1	SLU	-125443.00	42842.40	26539.20	-125443.00	168557.00	102427.00	2-3	148.75	3.914
10	238.09	1	SLU	-124871.00	42842.40	26539.20	-124871.00	168375.00	102310.00	2-3	148.75	3.909
11	297.62	1	SLU	-122449.00	39127.80	24238.10	-122449.00	167602.00	101814.00	2-3	148.75	4.261
12	297.62	1	SLU	-121887.00	39127.80	24238.10	-121887.00	166333.00	103450.00	2-3	148.13	4.256
13	357.14	1	SLU	-119471.00	34939.80	21643.80	-119471.00	165563.00	102951.00	2-3	148.13	4.744
14	357.14	1	SLU	-118917.00	34939.80	21643.80	-118917.00	165386.00	102837.00	2-3	148.13	4.738
15	416.67	1	SLU	-116508.00	30547.40	18922.90	-116508.00	164609.00	102341.00	2-3	148.13	5.394
16	416.67	1	SLU	-115963.00	30547.40	18922.90	-115963.00	164432.00	102230.00	2-3	148.13	5.388
17	476.19	1	SLU	-113560.00	26159.50	16204.70	-113560.00	163650.00	101741.00	2-3	148.13	6.262
18	476.19	1	SLU	-113024.00	26159.50	16204.70	-113024.00	163475.00	101632.00	2-3	148.13	6.255
19	535.71	1	SLU	-110627.00	21932.30	13586.20	-110627.00	162695.00	101143.00	2-3	148.13	7.425
20	535.71	1	SLU	-110099.00	21932.30	13586.20	-110099.00	162522.00	101035.00	2-3	148.13	7.418
21	595.24	1	SLU	-107707.00	17977.30	11136.20	-107707.00	161739.00	100545.00	2-3	148.13	9.006
22	595.24	1	SLU	-107188.00	17977.30	11136.20	-107188.00	161569.00	100439.00	2-3	148.13	8.996
23	654.76	1	SLU	-104801.00	14368.20	8900.50	-104801.00	160786.00	99949.00	2-3	148.13	11.201
24	654.76	1	SLU	-104291.00	14368.20	8900.50	-104291.00	160619.00	99844.30	2-3	148.13	11.190
25	714.29	1	SLU	-101908.00	11147.90	6905.65	-101908.00	159838.00	99355.50	2-3	148.13	14.352
26	714.29	1	SLU	-101407.00	11147.90	6905.65	-101407.00	159673.00	99252.50	2-3	148.13	14.337
27	773.81	1	SLU	-99028.80	8334.48	5162.87	-99028.80	158890.00	98762.10	2-3	148.13	19.082
28	773.81	1	SLU	-98535.30	8334.48	5162.87	-98535.30	158727.00	98660.10	2-3	148.13	19.063
29	833.33	1	SLU	-96161.80	5927.07	3671.58	-96161.80	157944.00	98169.80	2-3	148.13	26.673
30	833.33	1	SLU	-95676.50	5927.07	3671.58	-95676.50	157784.00	98069.70	2-3	148.13	26.646
31	892.86	1	SLU	-93306.90	3910.32	2422.28	-2571250.00	157003.00	97580.90	2-3	148.13	27.557
32	892.86	1	SLU	-92829.90	3910.32	2422.28	-2571250.00	156846.00	97482.60	2-3	148.13	27.698
33	952.38	1	SLU	-90463.90	2258.75	1399.21	-2571250.00	156061.00	96991.00	2-3	148.13	28.423
34	952.38	1	SLU	-89995.00	2258.75	1399.21	-2571250.00	155906.00	96893.50	2-3	148.13	28.571
35	1011.90	1	SLU	-87632.30	940.18	582.40	-2571250.00	155121.00	96401.80	2-3	148.13	29.341
36	1011.90	1	SLU	-87171.60	940.18	582.40	-2571250.00	154968.00	96305.90	2-3	148.13	29.496
37	1071.43	1	SLU	-84811.90	-81.47	-50.47	-2571250.00	-155230.00	-94653.70	2-3	328.75	30.317
38	1071.43	1	SLU	-84359.30	-81.47	-50.47	-2571250.00	-155076.00	-94558.70	2-3	328.75	30.480
39	1130.95	1	SLU	-82002.30	-843.89	-522.76	-2571250.00	-154274.00	-94064.10	2-3	328.75	31.356
40	1130.95	1	SLU	-81557.60	-843.89	-522.76	-2571250.00	-154122.00	-93970.70	2-3	328.75	31.527
41	1190.48	1	SLU	-79203.10	-1384.62	-857.72	-2571250.00	-153321.00	-93476.50	2-3	328.75	32.464
42	1190.48	1	SLU	-78766.40	-1384.62	-857.72	-2571250.00	-153172.00	-93384.50	2-3	328.75	32.644
43	1250.00	1	SLU	-76413.90	-1739.75	-1077.70	-2571250.00	-152366.00	-92886.60	2-3	328.75	33.649
44	1250.00	1	SLU	-75985.10	-1739.75	-1077.70	-2571250.00	-152219.00	-92795.80	2-3	328.75	33.839
45	1309.52	1	SLU	-73634.40	-1942.98	-1203.60	-2571250.00	-151413.00	-92298.10	2-3	328.75	34.919
46	1309.52	1	SLU	-73213.50	-1942.98	-1203.60	-2571250.00	-151269.00	-92209.00	2-3	328.75	35.120
47	1369.05	1	SLU	-70864.30	-2025.03	-1254.42	-2571250.00	-150463.00	-91711.50	2-3	328.75	36.284
48	1369.05	1	SLU	-70451.10	-2025.03	-1254.42	-2571250.00	-150321.00	-91624.00	2-3	328.75	36.497
49	1428.57	1	SLU	-68103.20	-2013.27	-1247.14	-2571250.00	-149512.00	-91123.40	2-3	328.75	37.755
50	1428.57	1	SLU	-67697.70	-2013.27	-1247.14	-2571250.00	-149372.00	-91036.80	2-3	328.75	37.981
51	1488.10	1	SLU	-65350.70	-1931.60	-1196.55	-2571250.00	-148562.00	-90535.40	2-3	328.75	39.345
52	1488.10	1	SLU	-64952.90	-1931.60	-1196.55	-2571250.00	-148424.00	-90450.50	2-3	328.75	39.586
53	1547.62	1	SLU	-62606.50	-1800.45	-1115.31	-2571250.00	-147614.00	-89949.10	2-3	328.75	41.070
54	1547.62	1	SLU	-62216.40	-1800.45	-1115.31	-2571250.00	-147479.00	-89865.80	2-3	328.75	41.328
55	1607.14	1	SLU	-59870.30	-1636.92	-1014.00	-2571250.00	-146666.00	-89362.40	2-3	328.75	42.947
56	1607.14	1	SLU	-59487.70	-1636.92	-1014.00	-2571250.00	-146534.00	-89280.00	2-3	328.75	43.223
57	1666.67	1	SLU	-57141.60	-1455.02	-901.32	-2571250.00	-145718.00	-88774.50	2-3	328.75	44.998
58	1666.67	1	SLU	-56766.60	-1455.02	-901.32	-2571250.00	-145588.00	-88693.60	2-3	328.75	45.295
59	1726.19	1	SLU	-54420.20	-1265.95	-784.20	-2571250.00	-144772.00	-88187.90	2-3	328.75	47.248
60	1726.19	1	SLU	-54052.80	-1265.95	-784.20	-2571250.00	-144644.00	-88108.70	2-3	328.75	47.569
61	1785.71	1	SLU	-51705.80	-1078.41	-668.03	-2571250.00	-143827.00	-87602.10	2-3	328.75	49.728
62	1785.71	1	SLU	-51345.70	-1078.41	-668.03	-2571250.00	-143702.00	-87523.80	2-3	328.75	50.077
63	1845.24	1	SLU	-48997.90	-898.90	-556.83	-2571250.00	-142881.00	-87013.40	2-3	328.75	52.477
64	1845.24	1	SLU	-48645.20	-898.90	-556.83	-2571250.00	-142758.00	-86936.70	2-3	328.75	52.857
65	1904.76	1	SLU	-46296.20	-732.10	-453.50	-2571250.00	-141936.00	-86425.90	2-3	328.75	55.539
66	1904.76	1	SLU	-45950.90	-732.10	-453.50	-2571250.00	-141815.00	-86350.80	2-3	328.75	55.956
67	1964.29	1	SLU	-43600.40	-581.10	-359.97	-2571250.00	-140992.00	-85839.50	2-3	328.75	58.973
68	1964.29	1	SLU	-43262.40	-581.10	-359.97	-2571250.00	-140874.00	-85766.00	2-3	328.75	59.434
69	2023.81	1	SLU	-40910.10	-447.77	-277.38	-2571250.00	-140047.00	-85250.50	2-3	328.75	62.851
70	2023.81	1	SLU	-40579.40	-447.77	-277.38	-2571250.00	-139931.00	-85177.90	2-3	328.75	63.363
71	2083.33	1	SLU	-38225.00	-332.96	-206.25	-2571250.00	-139103.00	-84661.40	2-3	328.75	67.266

72	2083.33	1	SLU	-37901.50	-332.96	-206.25	-2571250.00	-138989.00	-84590.50	2-3	328.75	67.840
73	2142.86	1	SLU	-35544.80	-236.73	-146.65	-2571250.00	-138159.00	-84073.30	2-3	328.75	72.338
74	2142.86	1	SLU	-35228.50	-236.73	-146.65	-2571250.00	-138048.00	-84003.90	2-3	328.75	72.988
75	2202.38	1	SLU	-32869.10	-158.60	-98.25	-2571250.00	-137215.00	-83484.00	2-3	328.75	78.227
76	2202.38	1	SLU	-32559.90	-158.60	-98.25	-2571250.00	-137106.00	-83415.60	2-3	328.75	78.970
77	2261.90	1	SLU	-30197.50	-97.66	-60.50	-2571250.00	-136271.00	-82892.90	2-3	328.75	85.148
78	2261.90	1	SLU	-29895.50	-97.66	-60.50	-2571250.00	-136164.00	-82826.00	2-3	328.75	86.008
79	2321.43	1	SLU	-27529.80	-52.72	-32.66	-2571250.00	-135327.00	-82300.00	2-3	328.75	93.399
80	2321.43	1	SLU	-27234.80	-52.72	-32.66	-2571250.00	-135223.00	-82232.80	2-3	328.75	94.410
81	2380.95	1	SLU	-24865.60	-22.44	-13.90	-2571250.00	-134386.00	-81693.50	2-3	328.75	>100
82	2380.95	1	SLU	-24577.70	-22.44	-13.90	-2571250.00	-134284.00	-81627.40	2-3	328.75	>100
83	2440.48	1	SLU	-22204.60	-5.36	-3.32	-2571250.00	-133444.00	-81082.40	2-3	328.75	>100
84	2440.48	1	SLU	-21923.60	-5.36	-3.32	-2571250.00	-133344.00	-81018.00	2-3	328.75	>100
85	2500.00	1	SLU	-19546.30	0.00	0.00	-2571250.00					>100
86	2500.00	1	SLU	-19272.30	0.00	0.00	-2571250.00					>100

Stato limite ultimo – Verifiche a taglio

Caso	X <cm>	CC	TCC	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1	0.00	1	SLU	7115.06	-1154.63	0.85	11.31	7208.14	1.00	32294.70	350949.00	32294.70	4.480
2	0.00	1	SLU	7115.06	-1154.63	0.85	11.31	7208.14	1.00	32294.70	350949.00	32294.70	4.480
3	59.52	1	SLU	2063.86	-334.92	0.85	11.31	2090.86	1.00	32294.70	350902.00	32294.70	15.446
4	59.52	1	SLU	2063.86	-334.92	0.85	11.31	2090.86	1.00	32294.70	350851.00	32294.70	15.446
5	119.05	1	SLU	-1795.81	291.42	0.85	11.31	1819.31	1.00	32294.70	350501.00	32294.70	17.751
6	119.05	1	SLU	-1795.81	291.42	0.85	11.31	1819.31	1.00	32294.70	350416.00	32294.70	17.751
7	178.57	1	SLU	-4624.00	750.38	0.85	11.31	4684.49	1.00	32294.70	350067.00	32294.70	6.894
8	178.57	1	SLU	-4624.00	750.38	0.85	11.31	4684.49	1.00	32294.70	349984.00	32294.70	6.894
9	238.09	1	SLU	-6577.64	1067.42	0.85	11.31	6663.69	1.00	32294.70	349636.00	32294.70	4.846
10	238.09	1	SLU	-6577.64	1067.42	0.85	11.31	6663.69	1.00	32294.70	349555.00	32294.70	4.846
11	297.62	1	SLU	-7805.76	1266.72	0.85	11.31	7907.88	1.00	32294.70	349208.00	32294.70	4.084
12	297.62	1	SLU	-7805.76	1266.72	0.85	11.31	7907.88	1.00	32294.70	349127.00	32294.70	4.084
13	357.14	1	SLU	-8446.07	1370.63	0.85	11.31	8556.56	1.00	32294.70	348781.00	32294.70	3.774
14	357.14	1	SLU	-8446.07	1370.63	0.85	11.31	8556.56	1.00	32294.70	348702.00	32294.70	3.774
15	416.67	1	SLU	-8622.87	1399.32	0.85	11.31	8735.67	1.00	32294.70	348357.00	32294.70	3.697
16	416.67	1	SLU	-8622.87	1399.32	0.85	11.31	8735.67	1.00	32294.70	348279.00	32294.70	3.697
17	476.19	1	SLU	-8445.93	1370.60	0.85	11.31	8556.42	1.00	32294.70	347934.00	32294.70	3.774
18	476.19	1	SLU	-8445.93	1370.60	0.85	11.31	8556.42	1.00	32294.70	347858.00	32294.70	3.774
19	535.71	1	SLU	-8010.24	1299.90	0.85	11.31	8115.03	1.00	32294.70	347514.00	32294.70	3.980
20	535.71	1	SLU	-8010.24	1299.90	0.85	11.31	8115.03	1.00	32294.70	347439.00	32294.70	3.980
21	595.24	1	SLU	-7396.25	1200.26	0.85	11.31	7493.01	1.00	32294.70	347096.00	32294.70	4.310
22	595.24	1	SLU	-7396.25	1200.26	0.85	11.31	7493.01	1.00	32294.70	347022.00	32294.70	4.310
23	654.76	1	SLU	-6670.67	1082.51	0.85	11.31	6757.93	1.00	32294.70	346680.00	32294.70	4.779
24	654.76	1	SLU	-6670.67	1082.51	0.85	11.31	6757.93	1.00	32294.70	346607.00	32294.70	4.779
25	714.29	1	SLU	-5887.47	955.42	0.85	11.31	5964.49	1.00	32294.70	346265.00	32294.70	5.415
26	714.29	1	SLU	-5887.47	955.42	0.85	11.31	5964.49	1.00	32294.70	346193.00	32294.70	5.415
27	773.81	1	SLU	-5089.20	825.88	0.85	11.31	5155.78	1.00	32294.70	345853.00	32294.70	6.264
28	773.81	1	SLU	-5089.20	825.88	0.85	11.31	5155.78	1.00	32294.70	345782.00	32294.70	6.264
29	833.33	1	SLU	-4308.27	699.14	0.85	11.31	4364.63	1.00	32294.70	345442.00	32294.70	7.399
30	833.33	1	SLU	-4308.27	699.14	0.85	11.31	4364.63	1.00	32294.70	345373.00	32294.70	7.399
31	892.86	1	SLU	-3568.34	579.07	0.85	11.31	3615.02	1.00	32294.70	345033.00	32294.70	8.933
32	892.86	1	SLU	-3568.34	579.07	0.85	11.31	3615.02	1.00	32294.70	344965.00	32294.70	8.933
33	952.38	1	SLU	-2885.69	468.29	0.85	11.31	2923.44	1.00	32294.70	344626.00	32294.70	11.047
34	952.38	1	SLU	-2885.69	468.29	0.85	11.31	2923.44	1.00	32294.70	344559.00	32294.70	11.047
35	1011.90	1	SLU	-2270.44	368.45	0.85	11.31	2300.14	1.00	32294.70	344221.00	32294.70	14.040
36	1011.90	1	SLU	-2270.44	368.45	0.85	11.31	2300.14	1.00	32294.70	344155.00	32294.70	14.040
37	1071.43	1	SLU	-1727.79	280.38	0.85	11.31	1750.39	1.00	32294.70	343817.00	32294.70	18.450
38	1071.43	1	SLU	-1727.79	280.38	0.85	11.31	1750.39	1.00	32294.70	343752.00	32294.70	18.450
39	1130.95	1	SLU	-1259.00	204.31	0.85	11.31	1275.47	1.00	32294.70	343414.00	32294.70	25.320
40	1130.95	1	SLU	-1259.00	204.31	0.85	11.31	1275.47	1.00	32294.70	343350.00	32294.70	25.320
41	1190.48	1	SLU	-862.39	139.95	0.85	11.31	873.67	1.00	32294.70	343013.00	32294.70	36.965
42	1190.48	1	SLU	-862.39	139.95	0.85	11.31	873.67	1.00	32294.70	342951.00	32294.70	36.965
43	1250.00	1	SLU	-534.10	86.67	0.85	11.31	541.08	1.00	32294.70	342614.00	32294.70	59.685
44	1250.00	1	SLU	-534.10	86.67	0.85	11.31	541.08	1.00	32294.70	342552.00	32294.70	59.685
45	1309.52	1	SLU	-268.79	43.62	0.85	11.31	272.31	1.00	32294.70	342215.00	32294.70	>100
46	1309.52	1	SLU	-268.79	43.62	0.85	11.31	272.31	1.00	32294.70	342155.00	32294.70	>100
47	1369.05	1	SLU	-60.23	9.77	0.85	11.31	61.01	1.00	32294.70	341819.00	32294.70	>100
48	1369.05	1	SLU	-60.23	9.77	0.85	11.31	61.01	1.00	32294.70	341759.00	32294.70	>100
49	1428.57	1	SLU	98.32	-15.96	0.85	11.31	99.61	1.00	32294.70	341423.00	32294.70	>100
50	1428.57	1	SLU	98.32	-15.96	0.85	11.31	99.61	1.00	32294.70	341365.00	32294.70	>100
51	1488.10	1	SLU	213.67	-34.67	0.85	11.31	216.47	1.00	32294.70	341029.00	32294.70	>100
52	1488.10	1	SLU	213.67	-34.67	0.85	11.31	216.47	1.00	32294.70	340972.00	32294.70	>100
53	1547.62	1	SLU	292.47	-47.46	0.85	11.31	296.30	1.00	32294.70	340636.00	32294.70	>100
54	1547.62	1	SLU	292.47	-47.46	0.85	11.31	296.30	1.00	32294.70	340580.00	32294.70	>100
55	1607.14	1	SLU	341.00	-55.34	0.85	11.31	345.46	1.00	32294.70	340244.00	32294.70	93.484
56	1607.14	1	SLU	341.00	-55.34	0.85	11.31	345.46	1.00	32294.70	340189.00	32294.70	93.484
57	1666.67	1	SLU	365.04	-59.24	0.85	11.31	369.81	1.00	32294.70	339853.00	32294.70	87.327
58	1666.67	1	SLU	365.04	-59.24	0.85	11.31	369.81	1.00	32294.70	339799.00	32294.70	87.327

59	1726.19	1	SLU	369.78	-60.01	0.85	11.31	374.62	1.00	32294.70	339463.00	32294.70	86.207
60	1726.19	1	SLU	369.78	-60.01	0.85	11.31	374.62	1.00	32294.70	339411.00	32294.70	86.207
61	1785.71	1	SLU	359.80	-58.39	0.85	11.31	364.51	1.00	32294.70	339074.00	32294.70	88.599
62	1785.71	1	SLU	359.80	-58.39	0.85	11.31	364.51	1.00	32294.70	339023.00	32294.70	88.599
63	1845.24	1	SLU	339.02	-55.02	0.85	11.31	343.45	1.00	32294.70	338686.00	32294.70	94.029
64	1845.24	1	SLU	339.02	-55.02	0.85	11.31	343.45	1.00	32294.70	338636.00	32294.70	94.029
65	1904.76	1	SLU	310.76	-50.43	0.85	11.31	314.82	1.00	32294.70	338300.00	32294.70	>100
66	1904.76	1	SLU	310.76	-50.43	0.85	11.31	314.82	1.00	32294.70	338250.00	32294.70	>100
67	1964.29	1	SLU	277.74	-45.07	0.85	11.31	281.37	1.00	32294.70	337913.00	32294.70	>100
68	1964.29	1	SLU	277.74	-45.07	0.85	11.31	281.37	1.00	32294.70	337865.00	32294.70	>100
69	2023.81	1	SLU	242.17	-39.30	0.85	11.31	245.34	1.00	32294.70	337528.00	32294.70	>100
70	2023.81	1	SLU	242.17	-39.30	0.85	11.31	245.34	1.00	32294.70	337481.00	32294.70	>100
71	2083.33	1	SLU	205.76	-33.39	0.85	11.31	208.45	1.00	32294.70	337143.00	32294.70	>100
72	2083.33	1	SLU	205.76	-33.39	0.85	11.31	208.45	1.00	32294.70	337097.00	32294.70	>100
73	2142.86	1	SLU	169.82	-27.56	0.85	11.31	172.04	1.00	32294.70	336760.00	32294.70	>100
74	2142.86	1	SLU	169.82	-27.56	0.85	11.31	172.04	1.00	32294.70	336714.00	32294.70	>100
75	2202.38	1	SLU	135.30	-21.96	0.85	11.31	137.07	1.00	32294.70	336376.00	32294.70	>100
76	2202.38	1	SLU	135.30	-21.96	0.85	11.31	137.07	1.00	32294.70	336332.00	32294.70	>100
77	2261.90	1	SLU	102.85	-16.69	0.85	11.31	104.20	1.00	32294.70	335994.00	32294.70	>100
78	2261.90	1	SLU	102.85	-16.69	0.85	11.31	104.20	1.00	32294.70	335950.00	32294.70	>100
79	2321.43	1	SLU	72.91	-11.83	0.85	11.31	73.86	1.00	32294.70	335611.00	32294.70	>100
80	2321.43	1	SLU	72.91	-11.83	0.85	11.31	73.86	1.00	32294.70	335569.00	32294.70	>100
81	2380.95	1	SLU	45.72	-7.42	0.85	11.31	46.31	1.00	32294.70	335230.00	32294.70	>100
82	2380.95	1	SLU	45.72	-7.42	0.85	11.31	46.31	1.00	32294.70	335189.00	32294.70	>100
83	2440.48	1	SLU	21.40	-3.47	0.85	11.31	21.68	1.00	32294.70	334849.00	32294.70	>100
84	2440.48	1	SLU	21.40	-3.47	0.85	11.31	21.68	1.00	32294.70	334808.00	32294.70	>100

Verifiche stato limite d'esercizio

Caso	X <cm>	CC	TCC	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ_c <daN/cmq>	σ_f <daN/cmq>
87	0.00	2	SLE R	-99707.70	20701.10	33417.90	37.70	40.84	34.29	472.98
88	59.52	2	SLE R	-99437.10	21755.70	35120.40	37.70	40.84	36.31	499.18
89	119.05	2	SLE R	-97225.50	21765.40	35136.20	37.70	40.84	36.45	500.43
90	178.57	2	SLE R	-95026.30	20991.70	33887.20	37.70	40.84	35.08	482.06
91	238.09	2	SLE R	-92839.10	19658.60	31735.10	37.70	40.84	32.65	449.84
92	297.62	2	SLE R	-90663.70	17954.10	28983.50	34.56	43.98	29.56	408.94
93	357.14	2	SLE R	-88499.80	16032.50	25881.30	31.42	47.12	26.18	363.95
94	416.67	2	SLE R	-86347.10	14017.00	22627.70	31.42	47.12	22.80	318.86
95	476.19	2	SLE R	-84205.50	12003.50	19377.40	25.13	53.41	19.67	276.86
96	535.71	2	SLE R	-82074.50	10063.80	16246.10	18.85	59.69	16.95	239.95
97	595.24	2	SLE R	-79953.90	8249.03	13316.50	12.57	65.97	14.67	208.83
98	654.76	2	SLE R	-77843.50	6592.96	10643.10	0.00	78.54	12.79	183.04
99	714.29	2	SLE R	-75742.90	5115.29	8257.67	0.00	78.54	11.17	160.72
100	773.81	2	SLE R	-73652.00	3824.35	6173.69	0.00	78.54	9.74	140.92
101	833.33	2	SLE R	-71570.40	2719.69	4390.42	0.00	78.54	8.48	123.61
102	892.86	2	SLE R	-69497.90	1794.28	2896.53	0.00	78.54	7.41	108.72
103	952.38	2	SLE R	-67434.30	1036.45	1673.15	0.00	78.54	6.50	96.07
104	1011.90	2	SLE R	-65379.20	431.41	696.43	0.00	78.54	5.74	85.48
105	1071.43	2	SLE R	-63332.40	-37.38	-60.35	0.00	78.54	5.18	77.71
106	1130.95	2	SLE R	-61293.60	-387.23	-625.11	0.00	78.54	5.36	79.87
107	1190.48	2	SLE R	-59262.60	-635.35	-1025.65	0.00	78.54	5.44	80.69
108	1250.00	2	SLE R	-57239.20	-798.30	-1288.70	0.00	78.54	5.44	80.39
109	1309.52	2	SLE R	-55223.00	-891.55	-1439.24	0.00	78.54	5.36	79.17
110	1369.05	2	SLE R	-53213.80	-929.20	-1500.02	0.00	78.54	5.24	77.22
111	1428.57	2	SLE R	-51211.40	-923.81	-1491.31	0.00	78.54	5.07	74.71
112	1488.10	2	SLE R	-49215.40	-886.33	-1430.82	0.00	78.54	4.87	71.78
113	1547.62	2	SLE R	-47225.80	-826.15	-1333.67	0.00	78.54	4.65	68.55
114	1607.14	2	SLE R	-45242.10	-751.11	-1212.53	0.00	78.54	4.41	65.14
115	1666.67	2	SLE R	-43264.20	-667.65	-1077.79	0.00	78.54	4.17	61.62
116	1726.19	2	SLE R	-41291.70	-580.89	-937.74	0.00	78.54	3.93	58.06
117	1785.71	2	SLE R	-39324.50	-494.84	-798.82	0.00	78.54	3.68	54.52
118	1845.24	2	SLE R	-37362.30	-412.47	-665.85	0.00	78.54	3.44	51.03
119	1904.76	2	SLE R	-35404.90	-335.93	-542.29	0.00	78.54	3.21	47.63
120	1964.29	2	SLE R	-33451.90	-266.64	-430.45	0.00	78.54	2.98	44.33
121	2023.81	2	SLE R	-31503.20	-205.47	-331.68	0.00	78.54	2.76	41.14
122	2083.33	2	SLE R	-29558.50	-152.78	-246.63	0.00	78.54	2.55	38.07
123	2142.86	2	SLE R	-27617.50	-108.63	-175.36	0.00	78.54	2.35	35.12
124	2202.38	2	SLE R	-25680.00	-72.78	-117.48	0.00	78.54	2.16	32.28
125	2261.90	2	SLE R	-23745.80	-44.81	-72.34	0.00	78.54	1.97	29.55
126	2321.43	2	SLE R	-21814.70	-24.19	-39.05	0.00	78.54	1.80	26.92
127	2380.95	2	SLE R	-19886.20	-10.30	-16.62	0.00	78.54	1.63	24.38
128	2440.48	2	SLE R	-17960.30	-2.46	-3.97	0.00	78.54	1.46	21.93
129	2500.00	2	SLE R	-16036.70	0.00	0.00	0.00	78.54	1.30	19.55
130	0.00	4	SLE Q	-99707.70	20701.10	33417.90	37.70	40.84	34.29	472.98
131	59.52	4	SLE Q	-99437.10	21755.70	35120.40	37.70	40.84	36.31	499.18
132	119.05	4	SLE Q	-97225.50	21765.40	35136.20	37.70	40.84	36.45	500.43
133	178.57	4	SLE Q	-95026.30	20991.70	33887.20	37.70	40.84	35.08	482.06

134	238.09	4	SLE Q	-92839.10	19658.60	31735.10	37.70	40.84	32.65	449.84
135	297.62	4	SLE Q	-90663.70	17954.10	28983.50	34.56	43.98	29.56	408.94
136	357.14	4	SLE Q	-88499.80	16032.50	25881.30	31.42	47.12	26.18	363.95
137	416.67	4	SLE Q	-86347.10	14017.00	22627.70	31.42	47.12	22.80	318.86
138	476.19	4	SLE Q	-84205.50	12003.50	19377.40	25.13	53.41	19.67	276.86
139	535.71	4	SLE Q	-82074.50	10063.80	16246.10	18.85	59.69	16.95	239.95
140	595.24	4	SLE Q	-79953.90	8249.03	13316.50	12.57	65.97	14.67	208.83
141	654.76	4	SLE Q	-77843.50	6592.96	10643.10	0.00	78.54	12.79	183.04
142	714.29	4	SLE Q	-75742.90	5115.29	8257.67	0.00	78.54	11.17	160.72
143	773.81	4	SLE Q	-73652.00	3824.35	6173.69	0.00	78.54	9.74	140.92
144	833.33	4	SLE Q	-71570.40	2719.69	4390.42	0.00	78.54	8.48	123.61
145	892.86	4	SLE Q	-69497.90	1794.28	2896.53	0.00	78.54	7.41	108.72
146	952.38	4	SLE Q	-67434.30	1036.45	1673.15	0.00	78.54	6.50	96.07
147	1011.90	4	SLE Q	-65379.20	431.41	696.43	0.00	78.54	5.74	85.48
148	1071.43	4	SLE Q	-63332.40	-37.38	-60.35	0.00	78.54	5.18	77.71
149	1130.95	4	SLE Q	-61293.60	-387.23	-625.11	0.00	78.54	5.36	79.87
150	1190.48	4	SLE Q	-59262.60	-635.35	-1025.65	0.00	78.54	5.44	80.69
151	1250.00	4	SLE Q	-57239.20	-798.30	-1288.70	0.00	78.54	5.44	80.39
152	1309.52	4	SLE Q	-55223.00	-891.55	-1439.24	0.00	78.54	5.36	79.17
153	1369.05	4	SLE Q	-53213.80	-929.20	-1500.02	0.00	78.54	5.24	77.22
154	1428.57	4	SLE Q	-51211.40	-923.81	-1491.31	0.00	78.54	5.07	74.71
155	1488.10	4	SLE Q	-49215.40	-886.33	-1430.82	0.00	78.54	4.87	71.78
156	1547.62	4	SLE Q	-47225.80	-826.15	-1333.67	0.00	78.54	4.65	68.55
157	1607.14	4	SLE Q	-45242.10	-751.11	-1212.53	0.00	78.54	4.41	65.14
158	1666.67	4	SLE Q	-43264.20	-667.65	-1077.79	0.00	78.54	4.17	61.62
159	1726.19	4	SLE Q	-41291.70	-580.89	-937.74	0.00	78.54	3.93	58.06
160	1785.71	4	SLE Q	-39324.50	-494.84	-798.82	0.00	78.54	3.68	54.52
161	1845.24	4	SLE Q	-37362.30	-412.47	-665.85	0.00	78.54	3.44	51.03
162	1904.76	4	SLE Q	-35404.90	-335.93	-542.29	0.00	78.54	3.21	47.63
163	1964.29	4	SLE Q	-33451.90	-266.64	-430.45	0.00	78.54	2.98	44.33
164	2023.81	4	SLE Q	-31503.20	-205.47	-331.68	0.00	78.54	2.76	41.14
165	2083.33	4	SLE Q	-29558.50	-152.78	-246.63	0.00	78.54	2.55	38.07
166	2142.86	4	SLE Q	-27617.50	-108.63	-175.36	0.00	78.54	2.35	35.12
167	2202.38	4	SLE Q	-25680.00	-72.78	-117.48	0.00	78.54	2.16	32.28
168	2261.90	4	SLE Q	-23745.80	-44.81	-72.34	0.00	78.54	1.97	29.55
169	2321.43	4	SLE Q	-21814.70	-24.19	-39.05	0.00	78.54	1.80	26.92
170	2380.95	4	SLE Q	-19886.20	-10.30	-16.62	0.00	78.54	1.63	24.38
171	2440.48	4	SLE Q	-17960.30	-2.46	-3.97	0.00	78.54	1.46	21.93
172	2500.00	4	SLE Q	-16036.70	0.00	0.00	0.00	78.54	1.30	19.55

Stato limite d'esercizio – Verifiche a fessurazione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	c <mm>	s <mm>	K_2	Φ_{eq}	Δ_{sm} <mm>	A_s <cmq>	$A_{c\ eff}$ <cmq>	σ_s <daN/cmq>	ε_{sm}	Wk <mm>
130	0.00	4	SLE Q	-99707.70	33417.90	20701.10	46.00	136.36	0.50	20.00	188.14	18.85	906.10	351.64	0.10	0.03
131	59.52	4	SLE Q	-99437.10	35120.40	21755.70	46.00	136.36	0.50	20.00	192.24	18.85	944.75	405.86	0.12	0.04
132	119.05	4	SLE Q	-97225.50	35136.20	21765.40	46.00	136.36	0.50	20.00	193.92	18.85	960.55	422.29	0.12	0.04
133	178.57	4	SLE Q	-95026.30	33887.20	20991.70	46.00	136.36	0.50	20.00	192.95	18.85	951.46	398.16	0.12	0.04
134	238.09	4	SLE Q	-92839.10	31735.10	19658.60	46.00	136.36	0.50	20.00	189.73	18.85	921.05	346.14	0.10	0.03
135	297.62	4	SLE Q	-90663.70	28983.50	17954.10	46.00	136.36	0.50	20.00	184.05	18.85	867.56	278.90	0.08	0.03
136	357.14	4	SLE Q	-88499.80	25881.30	16032.50	46.00	136.36	0.50	20.00	216.49	12.57	782.20	207.78	0.06	0.02
137	416.67	4	SLE Q	-86347.10	22627.70	14017.00	46.00	136.36	0.50	20.00	193.68	12.57	638.89	141.81	0.04	0.01
138	476.19	4	SLE Q	-84205.50	19377.40	12003.50	46.00	136.36	0.50	20.00	165.73	12.57	463.27	86.74	0.03	0.01
139	535.71	4	SLE Q	-82074.50	16246.10	10063.80	46.00	136.36	0.50	20.00	180.87	6.28	279.20	44.56	0.01	0.00
173	0.00	3	SLE F	-99707.70	33417.90	20701.10	46.00	136.36	0.50	20.00	188.14	18.85	906.10	351.64	0.10	0.03
174	59.52	3	SLE F	-99437.10	35120.40	21755.70	46.00	136.36	0.50	20.00	192.24	18.85	944.75	405.86	0.12	0.04
175	119.05	3	SLE F	-97225.50	35136.20	21765.40	46.00	136.36	0.50	20.00	193.92	18.85	960.55	422.29	0.12	0.04
176	178.57	3	SLE F	-95026.30	33887.20	20991.70	46.00	136.36	0.50	20.00	192.95	18.85	951.46	398.16	0.12	0.04
177	238.09	3	SLE F	-92839.10	31735.10	19658.60	46.00	136.36	0.50	20.00	189.73	18.85	921.05	346.14	0.10	0.03
178	297.62	3	SLE F	-90663.70	28983.50	17954.10	46.00	136.36	0.50	20.00	184.05	18.85	867.56	278.90	0.08	0.03
179	357.14	3	SLE F	-88499.80	25881.30	16032.50	46.00	136.36	0.50	20.00	216.49	12.57	782.20	207.78	0.06	0.02
180	416.67	3	SLE F	-86347.10	22627.70	14017.00	46.00	136.36	0.50	20.00	193.68	12.57	638.89	141.81	0.04	0.01
181	476.19	3	SLE F	-84205.50	19377.40	12003.50	46.00	136.36	0.50	20.00	165.73	12.57	463.27	86.74	0.03	0.01
182	535.71	3	SLE F	-82074.50	16246.10	10063.80	46.00	136.36	0.50	20.00	180.87	6.28	279.20	44.56	0.01	0.00

Verifiche principali

Caso	Tipo
6	SLU N cost – min. sic.
15	SLU Taglio – min. sic. c.a.,SLU Taglio – min. sic. acciaio
89	C.Rare – Sc min (max compr.),C.Rare – Sf max (max traz.),C.Rare – Sf min (max compr.)
99	C.Rare – Sc max (min. compr.)
132	C.Q.Per. – Sc min (max compr.),C.Q.Per. – Sf max (max traz.),C.Q.Per. – Sf min (max compr.),C.Q.Per. – Wk Max
142	C.Q.Per. – Sc max (min. compr.)
175	C.Freq – Wk Max

Palo n. 18

Caratteristiche del palo e dei materiali utilizzati

R <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
60.00	6.00	C30/37	307.10	20.59	174.02	13.73	B450C	4300.00	3913.04

Le sollecitazioni nei pali vengono calcolate oltre che per l'effetto delle reazioni vincolari anche considerando i seguenti effetti

Azioni ed effetti comuni

Az	N <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
PP	0.00	0.00	0.00	
SVR	0.00			

Azioni ed effetti - Plinto/Palo n. 18 (-81)

Caso	CC	TCC	Az	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	RVN	178142.00	6792.35	-1243.36	37744.40	-39267.60
	1	SLU	TAG				0.00	0.00
	1	SLU	ECC				0.00	0.00
	1	SLU	TOT	178142.00	6792.35	-1243.36	37744.40	-39267.60
2	2	SLE R	RVN	131957.00	5031.37	-921.01	27958.80	-29087.10
	2	SLE R	TAG				0.00	0.00
	2	SLE R	ECC				0.00	0.00
	2	SLE R	TOT	131957.00	5031.37	-921.01	27958.80	-29087.10
3	3	SLE F	RVN	131957.00	5031.37	-921.01	27958.80	-29087.10
	3	SLE F	TAG				0.00	0.00
	3	SLE F	ECC				0.00	0.00
	3	SLE F	TOT	131957.00	5031.37	-921.01	27958.80	-29087.10
4	4	SLE Q	RVN	131957.00	5031.37	-921.01	27958.80	-29087.10
	4	SLE Q	TAG				0.00	0.00
	4	SLE Q	ECC				0.00	0.00
	4	SLE Q	TOT	131957.00	5031.37	-921.01	27958.80	-29087.10

Sollecitazioni nei pali

Caso	CC	TCC	Palo	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	1	-178142.00	-6792.35	1243.36	-37744.40	39267.60
2	2	SLE R	1	-131957.00	-5031.37	921.01	-27958.80	29087.10
3	3	SLE F	1	-131957.00	-5031.37	921.01	-27958.80	29087.10
4	4	SLE Q	1	-131957.00	-5031.37	921.01	-27958.80	29087.10

Da 0 a -25

Stato limite ultimo - Verifiche a flessione/pressoflessione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	Rott.	α <grad>	Sic.
1	0.00	1	SLU	-178142.00	37351.70	38859.00	-178142.00	149686.00	156668.00	2-3	133.75	4.020
2	0.00	1	SLU	-178142.00	37351.70	38859.00	-178142.00	149686.00	156668.00	2-3	133.75	4.020
3	59.52	1	SLU	-177818.00	39106.70	40684.80	-177818.00	149606.00	156583.00	2-3	133.75	3.838
4	59.52	1	SLU	-176943.00	39106.70	40684.80	-176943.00	149390.00	156356.00	2-3	133.75	3.832
5	119.05	1	SLU	-175015.00	39018.70	40593.30	-175015.00	148913.00	155853.00	2-3	133.75	3.828
6	119.05	1	SLU	-172885.00	39018.70	40593.30	-172885.00	148386.00	155298.00	2-3	133.75	3.815
7	178.57	1	SLU	-171741.00	37552.60	39068.00	-171741.00	148102.00	155000.00	2-3	133.75	3.956
8	178.57	1	SLU	-168848.00	37552.60	39068.00	-168848.00	147383.00	154242.00	2-3	133.75	3.937
9	238.09	1	SLU	-167997.00	35106.40	36523.10	-167997.00	147171.00	154018.00	2-3	133.75	4.205
10	238.09	1	SLU	-164833.00	35106.40	36523.10	-164833.00	146381.00	153186.00	2-3	133.75	4.182
11	297.62	1	SLU	-163928.00	32013.30	33305.20	-163928.00	146155.00	152948.00	2-3	133.75	4.579
12	297.62	1	SLU	-160839.00	32013.30	33305.20	-160839.00	145382.00	152135.00	2-3	133.75	4.555
13	357.14	1	SLU	-159880.00	28546.50	29698.50	-159880.00	145141.00	151881.00	2-3	133.75	5.100
14	357.14	1	SLU	-156865.00	28546.50	29698.50	-156865.00	144382.00	151081.00	2-3	133.75	5.073
15	416.67	1	SLU	-155853.00	24924.00	25929.80	-155853.00	144127.00	150812.00	2-3	133.75	5.800
16	416.67	1	SLU	-152911.00	24924.00	25929.80	-152911.00	143385.00	150032.00	2-3	133.75	5.770
17	476.19	1	SLU	-151845.00	21314.80	22174.90	-151845.00	143116.00	149748.00	2-3	133.75	6.735
18	476.19	1	SLU	-148977.00	21314.80	22174.90	-148977.00	142388.00	148981.00	2-3	133.75	6.700
19	535.71	1	SLU	-147857.00	17845.10	18565.20	-147857.00	142103.00	148682.00	2-3	133.75	7.987
20	535.71	1	SLU	-145061.00	17845.10	18565.20	-145061.00	141393.00	147933.00	2-3	133.75	7.947
21	595.24	1	SLU	-143887.00	14604.40	15193.80	-143887.00	141094.00	147619.00	2-3	133.75	9.690
22	595.24	1	SLU	-141164.00	14604.40	15193.80	-141164.00	140399.00	146887.00	2-3	133.75	9.642
23	654.76	1	SLU	-139936.00	11651.70	12121.90	-139936.00	140085.00	146556.00	2-3	133.75	12.058
24	654.76	1	SLU	-137285.00	11651.70	12121.90	-137285.00	139405.00	145841.00	2-3	133.75	11.999
25	714.29	1	SLU	-136002.00	9020.76	9384.79	-136002.00	139077.00	145494.00	2-3	133.75	15.462
26	714.29	1	SLU	-133423.00	9020.76	9384.79	-133423.00	138415.00	144798.00	2-3	133.75	15.388
27	773.81	1	SLU	-132086.00	6725.41	6996.81	-2571250.00	138070.00	144434.00	2-3	133.75	19.466
28	773.81	1	SLU	-129579.00	6725.41	6996.81	-2571250.00	137426.00	143747.00	2-3	133.75	19.843
29	833.33	1	SLU	-128186.00	4763.95	4956.19	-2571250.00	137070.00	143360.00	2-3	133.75	20.059

30	833.33	1	SLU	-125750.00	4763.95	4956.19	-2571250.00	136448.00	142683.00	2-3	133.75	20.447
31	892.86	1	SLU	-124303.00	3123.12	3249.16	-2571250.00	136078.00	142280.00	2-3	133.75	20.685
32	892.86	1	SLU	-121938.00	3123.12	3249.16	-2571250.00	135470.00	141618.00	2-3	133.75	21.087
33	952.38	1	SLU	-120435.00	1781.51	1853.40	-2571250.00	135084.00	141197.00	2-3	133.75	21.350
34	952.38	1	SLU	-118141.00	1781.51	1853.40	-2571250.00	134494.00	140554.00	2-3	133.75	21.764
35	1011.90	1	SLU	-116583.00	712.31	741.05	-2571250.00	134093.00	140118.00	2-3	133.75	22.055
36	1011.90	1	SLU	-114359.00	712.31	741.05	-2571250.00	133520.00	139494.00	2-3	133.75	22.484
37	1071.43	1	SLU	-112746.00	-114.33	-118.95	-2571250.00	-133392.00	-139052.00	2-3	313.75	22.806
38	1071.43	1	SLU	-110592.00	-114.33	-118.95	-2571250.00	-132811.00	-138495.00	2-3	313.75	23.250
39	1130.95	1	SLU	-108923.00	-729.48	-758.92	-2571250.00	-132330.00	-138078.00	2-3	313.75	23.606
40	1130.95	1	SLU	-106838.00	-729.48	-758.92	-2571250.00	-131729.00	-137556.00	2-3	313.75	24.067
41	1190.48	1	SLU	-105113.00	-1164.02	-1210.99	-2571250.00	-131232.00	-137124.00	2-3	313.75	24.462
42	1190.48	1	SLU	-103098.00	-1164.02	-1210.99	-2571250.00	-130651.00	-136618.00	2-3	313.75	24.940
43	1250.00	1	SLU	-101317.00	-1447.57	-1505.98	-2571250.00	-130138.00	-136171.00	2-3	313.75	25.378
44	1250.00	1	SLU	-99371.80	-1447.57	-1505.98	-2571250.00	-129579.00	-135670.00	2-3	313.75	25.875
45	1309.52	1	SLU	-97534.40	-1607.73	-1672.61	-2571250.00	-129079.00	-135144.00	2-3	313.75	26.363
46	1309.52	1	SLU	-95657.70	-1607.73	-1672.61	-2571250.00	-128569.00	-134606.00	2-3	313.75	26.880
47	1369.05	1	SLU	-93763.70	-1669.66	-1737.03	-2571250.00	-128053.00	-134063.00	2-3	313.75	27.423
48	1369.05	1	SLU	-91955.70	-1669.66	-1737.03	-2571250.00	-127560.00	-133545.00	2-3	313.75	27.962
49	1428.57	1	SLU	-90004.90	-1655.69	-1722.50	-2571250.00	-127025.00	-132982.00	2-3	313.75	28.568
50	1428.57	1	SLU	-88265.40	-1655.69	-1722.50	-2571250.00	-126548.00	-132480.00	2-3	313.75	29.131
51	1488.10	1	SLU	-86257.60	-1585.33	-1649.31	-2571250.00	-125997.00	-131900.00	2-3	313.75	29.809
52	1488.10	1	SLU	-84586.40	-1585.33	-1649.31	-2571250.00	-125539.00	-131417.00	2-3	313.75	30.398
53	1547.62	1	SLU	-82521.20	-1475.22	-1534.76	-2571250.00	-124971.00	-130819.00	2-3	313.75	31.159
54	1547.62	1	SLU	-80918.10	-1475.22	-1534.76	-2571250.00	-124528.00	-130353.00	2-3	313.75	31.776
55	1607.14	1	SLU	-78795.30	-1339.29	-1393.34	-2571250.00	-123941.00	-129735.00	2-3	313.75	32.632
56	1607.14	1	SLU	-77260.00	-1339.29	-1393.34	-2571250.00	-123516.00	-129288.00	2-3	313.75	33.280
57	1666.67	1	SLU	-75079.30	-1188.91	-1236.88	-2571250.00	-122913.00	-128653.00	2-3	313.75	34.247
58	1666.67	1	SLU	-73611.80	-1188.91	-1236.88	-2571250.00	-122506.00	-128224.00	2-3	313.75	34.930
59	1726.19	1	SLU	-71373.00	-1033.15	-1074.85	-2571250.00	-121883.00	-127568.00	2-3	313.75	36.026
60	1726.19	1	SLU	-69972.90	-1033.15	-1074.85	-2571250.00	-121493.00	-127157.00	2-3	313.75	36.746
61	1785.71	1	SLU	-67675.60	-879.07	-914.54	-2571250.00	-120853.00	-126482.00	2-3	313.75	37.994
62	1785.71	1	SLU	-66342.90	-879.07	-914.54	-2571250.00	-120482.00	-126091.00	2-3	313.75	38.757
63	1845.24	1	SLU	-63986.90	-731.90	-761.44	-2571250.00	-119823.00	-125397.00	2-3	313.75	40.184
64	1845.24	1	SLU	-62721.30	-731.90	-761.44	-2571250.00	-119468.00	-125023.00	2-3	313.75	40.995
65	1904.76	1	SLU	-60306.30	-595.40	-619.42	-2571250.00	-118791.00	-124309.00	2-3	313.75	42.636
66	1904.76	1	SLU	-59107.70	-595.40	-619.42	-2571250.00	-118455.00	-123954.00	2-3	313.75	43.501
67	1964.29	1	SLU	-56633.30	-472.04	-491.09	-2571250.00	-117760.00	-123222.00	2-3	313.75	45.402
68	1964.29	1	SLU	-55501.50	-472.04	-491.09	-2571250.00	-117442.00	-122887.00	2-3	313.75	46.328
69	2023.81	1	SLU	-52967.60	-363.29	-377.95	-2571250.00	-116727.00	-122132.00	2-3	313.75	48.544
70	2023.81	1	SLU	-51902.50	-363.29	-377.95	-2571250.00	-116426.00	-121815.00	2-3	313.75	49.540
71	2083.33	1	SLU	-49308.50	-269.80	-280.68	-2571250.00	-115694.00	-121042.00	2-3	313.75	52.146
72	2083.33	1	SLU	-48310.00	-269.80	-280.68	-2571250.00	-115411.00	-120744.00	2-3	313.75	53.224
73	2142.86	1	SLU	-45655.80	-191.57	-199.30	-2571250.00	-114660.00	-119950.00	2-3	313.75	56.318
74	2142.86	1	SLU	-44723.60	-191.57	-199.30	-2571250.00	-114395.00	-119671.00	2-3	313.75	57.492
75	2202.38	1	SLU	-42008.80	-128.16	-133.33	-2571250.00	-113624.00	-118856.00	2-3	313.75	61.207
76	2202.38	1	SLU	-41143.00	-128.16	-133.33	-2571250.00	-113378.00	-118596.00	2-3	313.75	62.495
77	2261.90	1	SLU	-38367.10	-78.79	-81.97	-2571250.00	-112588.00	-117763.00	2-3	313.75	67.017
78	2261.90	1	SLU	-37567.50	-78.79	-81.97	-2571250.00	-112361.00	-117522.00	2-3	313.75	68.443
79	2321.43	1	SLU	-34730.40	-42.46	-44.18	-2571250.00	-111550.00	-116665.00	2-3	313.75	74.035
80	2321.43	1	SLU	-33996.80	-42.46	-44.18	-2571250.00	-111341.00	-116444.00	2-3	313.75	75.632
81	2380.95	1	SLU	-31098.00	-18.04	-18.77	-2571250.00	-110512.00	-115568.00	2-3	313.75	82.682
82	2380.95	1	SLU	-30430.50	-18.04	-18.77	-2571250.00	-110321.00	-115366.00	2-3	313.75	84.496
83	2440.48	1	SLU	-27469.60	-4.30	-4.47	-2571250.00	-109472.00	-114469.00	2-3	313.75	93.603
84	2440.48	1	SLU	-26868.00	-4.30	-4.47	-2571250.00	-109300.00	-114286.00	2-3	313.75	95.699
85	2500.00	1	SLU	-23844.70	0.00	0.00	-2571250.00					>100
86	2500.00	1	SLU	-23308.90	0.00	0.00	-2571250.00					>100

Stato limite ultimo - Verifiche a taglio

Caso	X <cm>	CC	TCC	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1	0.00	1	SLU	6792.35	-1243.36	0.85	11.31	6905.21	1.00	32294.70	357185.00	32294.70	4.677
2	0.00	1	SLU	6792.35	-1243.36	0.85	11.31	6905.21	1.00	32294.70	357185.00	32294.70	4.677
3	59.52	1	SLU	1789.35	-327.55	0.85	11.31	1819.08	1.00	32294.70	357139.00	32294.70	17.753
4	59.52	1	SLU	1789.35	-327.55	0.85	11.31	1819.08	1.00	32294.70	357013.00	32294.70	17.753
5	119.05	1	SLU	-2024.35	370.56	0.85	11.31	2057.98	1.00	32294.70	356737.00	32294.70	15.692
6	119.05	1	SLU	-2024.35	370.56	0.85	11.31	2057.98	1.00	32294.70	356432.00	32294.70	15.692
7	178.57	1	SLU	-4809.87	880.46	0.85	11.31	4889.79	1.00	32294.70	356268.00	32294.70	6.605
8	178.57	1	SLU	-4809.87	880.46	0.85	11.31	4889.79	1.00	32294.70	355854.00	32294.70	6.605
9	238.09	1	SLU	-6724.87	1231.01	0.85	11.31	6836.61	1.00	32294.70	355732.00	32294.70	4.724
10	238.09	1	SLU	-6724.87	1231.01	0.85	11.31	6836.61	1.00	32294.70	355279.00	32294.70	4.724
11	297.62	1	SLU	-7918.75	1449.55	0.85	11.31	8050.33	1.00	32294.70	355149.00	32294.70	4.012
12	297.62	1	SLU	-7918.75	1449.55	0.85	11.31	8050.33	1.00	32294.70	354707.00	32294.70	4.012
13	357.14	1	SLU	-8529.34	1561.33	0.85	11.31	8671.06	1.00	32294.70	354569.00	32294.70	3.724
14	357.14	1	SLU	-8529.34	1561.33	0.85	11.31	8671.06	1.00	32294.70	354137.00	32294.70	3.724
15	416.67	1	SLU	-8680.87	1589.06	0.85	11.31	8825.11	1.00	32294.70	353992.00	32294.70	3.659
16	416.67	1	SLU	-8680.87	1589.06	0.85	11.31	8825.11	1.00	32294.70	353571.00	32294.70	3.659

17	476.19	1	SLU	-8482.92	1552.83	0.85	11.31	8623.88	1.00	32294.70	353418.00	32294.70	3.745
18	476.19	1	SLU	-8482.92	1552.83	0.85	11.31	8623.88	1.00	32294.70	353007.00	32294.70	3.745
19	535.71	1	SLU	-8030.15	1469.95	0.85	11.31	8163.58	1.00	32294.70	352847.00	32294.70	3.956
20	535.71	1	SLU	-8030.15	1469.95	0.85	11.31	8163.58	1.00	32294.70	352447.00	32294.70	3.956
21	595.24	1	SLU	-7402.65	1355.08	0.85	11.31	7525.65	1.00	32294.70	352278.00	32294.70	4.291
22	595.24	1	SLU	-7402.65	1355.08	0.85	11.31	7525.65	1.00	32294.70	351888.00	32294.70	4.291
23	654.76	1	SLU	-6666.71	1220.36	0.85	11.31	6777.48	1.00	32294.70	351712.00	32294.70	4.765
24	654.76	1	SLU	-6666.71	1220.36	0.85	11.31	6777.48	1.00	32294.70	351333.00	32294.70	4.765
25	714.29	1	SLU	-5875.90	1075.60	0.85	11.31	5973.53	1.00	32294.70	351149.00	32294.70	5.406
26	714.29	1	SLU	-5875.90	1075.60	0.85	11.31	5973.53	1.00	32294.70	350780.00	32294.70	5.406
27	773.81	1	SLU	-5072.33	928.51	0.85	11.31	5156.61	1.00	32294.70	350588.00	32294.70	6.263
28	773.81	1	SLU	-5072.33	928.51	0.85	11.31	5156.61	1.00	32294.70	350229.00	32294.70	6.263
29	833.33	1	SLU	-4288.03	784.94	0.85	11.31	4359.28	1.00	32294.70	350029.00	32294.70	7.408
30	833.33	1	SLU	-4288.03	784.94	0.85	11.31	4359.28	1.00	32294.70	349680.00	32294.70	7.408
31	892.86	1	SLU	-3546.31	649.16	0.85	11.31	3605.24	1.00	32294.70	349473.00	32294.70	8.958
32	892.86	1	SLU	-3546.31	649.16	0.85	11.31	3605.24	1.00	32294.70	349134.00	32294.70	8.958
33	952.38	1	SLU	-2863.10	524.10	0.85	11.31	2910.68	1.00	32294.70	348919.00	32294.70	11.095
34	952.38	1	SLU	-2863.10	524.10	0.85	11.31	2910.68	1.00	32294.70	348591.00	32294.70	11.095
35	1011.90	1	SLU	-2248.26	411.55	0.85	11.31	2285.62	1.00	32294.70	348367.00	32294.70	14.130
36	1011.90	1	SLU	-2248.26	411.55	0.85	11.31	2285.62	1.00	32294.70	348049.00	32294.70	14.130
37	1071.43	1	SLU	-1706.70	312.42	0.85	11.31	1735.06	1.00	32294.70	347818.00	32294.70	18.613
38	1071.43	1	SLU	-1706.70	312.42	0.85	11.31	1735.06	1.00	32294.70	347509.00	32294.70	18.613
39	1130.95	1	SLU	-1239.50	226.90	0.85	11.31	1260.09	1.00	32294.70	347270.00	32294.70	25.629
40	1130.95	1	SLU	-1239.50	226.90	0.85	11.31	1260.09	1.00	32294.70	346972.00	32294.70	25.629
41	1190.48	1	SLU	-844.78	154.64	0.85	11.31	858.82	1.00	32294.70	346724.00	32294.70	37.604
42	1190.48	1	SLU	-844.78	154.64	0.85	11.31	858.82	1.00	32294.70	346436.00	32294.70	37.604
43	1250.00	1	SLU	-518.55	94.92	0.85	11.31	527.16	1.00	32294.70	346181.00	32294.70	61.261
44	1250.00	1	SLU	-518.55	94.92	0.85	11.31	527.16	1.00	32294.70	345902.00	32294.70	61.261
45	1309.52	1	SLU	-255.35	46.74	0.85	11.31	259.60	1.00	32294.70	345639.00	32294.70	>100
46	1309.52	1	SLU	-255.35	46.74	0.85	11.31	259.60	1.00	32294.70	345370.00	32294.70	>100
47	1369.05	1	SLU	-48.86	8.94	0.85	11.31	49.67	1.00	32294.70	345099.00	32294.70	>100
48	1369.05	1	SLU	-48.86	8.94	0.85	11.31	49.67	1.00	32294.70	344840.00	32294.70	>100
49	1428.57	1	SLU	107.72	-19.72	0.85	11.31	109.51	1.00	32294.70	344560.00	32294.70	>100
50	1428.57	1	SLU	107.72	-19.72	0.85	11.31	109.51	1.00	32294.70	344311.00	32294.70	>100
51	1488.10	1	SLU	221.24	-40.50	0.85	11.31	224.91	1.00	32294.70	344024.00	32294.70	>100
52	1488.10	1	SLU	221.24	-40.50	0.85	11.31	224.91	1.00	32294.70	343784.00	32294.70	>100
53	1547.62	1	SLU	298.38	-54.62	0.85	11.31	303.34	1.00	32294.70	343488.00	32294.70	>100
54	1547.62	1	SLU	298.38	-54.62	0.85	11.31	303.34	1.00	32294.70	343259.00	32294.70	>100
55	1607.14	1	SLU	345.44	-63.23	0.85	11.31	351.18	1.00	32294.70	342955.00	32294.70	91.962
56	1607.14	1	SLU	345.44	-63.23	0.85	11.31	351.18	1.00	32294.70	342735.00	32294.70	91.962
57	1666.67	1	SLU	368.20	-67.40	0.85	11.31	374.32	1.00	32294.70	342422.00	32294.70	86.276
58	1666.67	1	SLU	368.20	-67.40	0.85	11.31	374.32	1.00	32294.70	342212.00	32294.70	86.276
59	1726.19	1	SLU	371.86	-68.07	0.85	11.31	378.04	1.00	32294.70	341892.00	32294.70	85.428
60	1726.19	1	SLU	371.86	-68.07	0.85	11.31	378.04	1.00	32294.70	341691.00	32294.70	85.428
61	1785.71	1	SLU	360.97	-66.08	0.85	11.31	366.96	1.00	32294.70	341362.00	32294.70	88.005
62	1785.71	1	SLU	360.97	-66.08	0.85	11.31	366.96	1.00	32294.70	341171.00	32294.70	88.005
63	1845.24	1	SLU	339.45	-62.14	0.85	11.31	345.09	1.00	32294.70	340834.00	32294.70	93.584
64	1845.24	1	SLU	339.45	-62.14	0.85	11.31	345.09	1.00	32294.70	340652.00	32294.70	93.584
65	1904.76	1	SLU	310.61	-56.86	0.85	11.31	315.77	1.00	32294.70	340306.00	32294.70	>100
66	1904.76	1	SLU	310.61	-56.86	0.85	11.31	315.77	1.00	32294.70	340135.00	32294.70	>100
67	1964.29	1	SLU	277.15	-50.73	0.85	11.31	281.75	1.00	32294.70	339780.00	32294.70	>100
68	1964.29	1	SLU	277.15	-50.73	0.85	11.31	281.75	1.00	32294.70	339618.00	32294.70	>100
69	2023.81	1	SLU	241.27	-44.16	0.85	11.31	245.28	1.00	32294.70	339255.00	32294.70	>100
70	2023.81	1	SLU	241.27	-44.16	0.85	11.31	245.28	1.00	32294.70	339103.00	32294.70	>100
71	2083.33	1	SLU	204.66	-37.46	0.85	11.31	208.06	1.00	32294.70	338731.00	32294.70	>100
72	2083.33	1	SLU	204.66	-37.46	0.85	11.31	208.06	1.00	32294.70	338588.00	32294.70	>100
73	2142.86	1	SLU	168.63	-30.87	0.85	11.31	171.43	1.00	32294.70	338208.00	32294.70	>100
74	2142.86	1	SLU	168.63	-30.87	0.85	11.31	171.43	1.00	32294.70	338074.00	32294.70	>100
75	2202.38	1	SLU	134.11	-24.55	0.85	11.31	136.33	1.00	32294.70	337685.00	32294.70	>100
76	2202.38	1	SLU	134.11	-24.55	0.85	11.31	136.33	1.00	32294.70	337561.00	32294.70	>100
77	2261.90	1	SLU	101.74	-18.62	0.85	11.31	103.44	1.00	32294.70	337164.00	32294.70	>100
78	2261.90	1	SLU	101.74	-18.62	0.85	11.31	103.44	1.00	32294.70	337049.00	32294.70	>100
79	2321.43	1	SLU	71.96	-13.17	0.85	11.31	73.16	1.00	32294.70	336643.00	32294.70	>100
80	2321.43	1	SLU	71.96	-13.17	0.85	11.31	73.16	1.00	32294.70	336538.00	32294.70	>100
81	2380.95	1	SLU	45.01	-8.24	0.85	11.31	45.76	1.00	32294.70	336123.00	32294.70	>100
82	2380.95	1	SLU	45.01	-8.24	0.85	11.31	45.76	1.00	32294.70	336027.00	32294.70	>100
83	2440.48	1	SLU	21.01	-3.85	0.85	11.31	21.36	1.00	32294.70	335603.00	32294.70	>100
84	2440.48	1	SLU	21.01	-3.85	0.85	11.31	21.36	1.00	32294.70	335517.00	32294.70	>100

Verifiche stato limite d'esercizio

Caso	X <cm>	CC	TCC	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ_C <daN/cmq>	σ_f <daN/cmq>
87	0.00	2	SLE R	-131957.00	28784.50	27668.00	31.42	47.12	34.04	478.85
88	0.00	2	SLE R	-131957.00	28784.50	27668.00	31.42	47.12	34.04	478.85
89	59.52	2	SLE R	-131633.00	30136.90	28967.90	31.42	47.12	35.63	500.08
90	59.52	2	SLE R	-131305.00	30136.90	28967.90	31.42	47.12	35.63	500.04
91	119.05	2	SLE R	-128830.00	30069.10	28902.70	31.42	47.12	35.56	498.68

92	119.05	2	SLE R	-128334.00	30069.10	28902.70	31.42	47.12	35.57	498.64
93	178.57	2	SLE R	-125868.00	28939.30	27816.80	31.42	47.12	34.21	480.14
94	178.57	2	SLE R	-125379.00	28939.30	27816.80	31.42	47.12	34.22	480.08
95	238.09	2	SLE R	-122923.00	27054.10	26004.70	31.42	47.12	31.98	449.79
96	238.09	2	SLE R	-122441.00	27054.10	26004.70	31.42	47.12	31.98	449.68
97	297.62	2	SLE R	-119993.00	24670.50	23713.60	25.13	53.41	29.25	412.66
98	297.62	2	SLE R	-119517.00	24670.50	23713.60	25.13	53.41	29.25	412.48
99	357.14	2	SLE R	-117078.00	21998.90	21145.60	25.13	53.41	26.35	373.07
100	357.14	2	SLE R	-116609.00	21998.90	21145.60	25.13	53.41	26.33	372.79
101	416.67	2	SLE R	-114178.00	19207.30	18462.20	18.85	59.69	23.52	334.31
102	416.67	2	SLE R	-113716.00	19207.30	18462.20	18.85	59.69	23.49	333.93
103	476.19	2	SLE R	-111293.00	16425.90	15788.70	12.57	65.97	20.91	298.52
104	476.19	2	SLE R	-110837.00	16425.90	15788.70	15.71	62.83	20.88	298.06
105	535.71	2	SLE R	-108422.00	13752.00	13218.60	6.28	72.26	18.61	266.70
106	535.71	2	SLE R	-107973.00	13752.00	13218.60	6.28	72.26	18.58	266.18
107	595.24	2	SLE R	-105565.00	11254.60	10818.10	0.00	78.54	16.58	238.59
108	595.24	2	SLE R	-105121.00	11254.60	10818.10	0.00	78.54	16.55	238.05
109	654.76	2	SLE R	-102721.00	8979.17	8630.88	0.00	78.54	14.74	212.91
110	654.76	2	SLE R	-102284.00	8979.17	8630.88	0.00	78.54	14.70	212.38
111	714.29	2	SLE R	-99889.70	6951.69	6682.05	0.00	78.54	13.06	189.66
112	714.29	2	SLE R	-99459.10	6951.69	6682.05	0.00	78.54	13.03	189.14
113	773.81	2	SLE R	-97071.40	5182.82	4981.79	0.00	78.54	11.58	168.96
114	773.81	2	SLE R	-96647.10	5182.82	4981.79	0.00	78.54	11.54	168.44
115	833.33	2	SLE R	-94265.50	3671.25	3528.85	0.00	78.54	10.27	150.78
116	833.33	2	SLE R	-93847.30	3671.25	3528.85	0.00	78.54	10.24	150.27
117	892.86	2	SLE R	-91471.50	2406.78	2313.43	0.00	78.54	9.15	135.02
118	892.86	2	SLE R	-91059.40	2406.78	2313.43	0.00	78.54	9.11	134.52
119	952.38	2	SLE R	-88689.10	1372.89	1319.64	0.00	78.54	8.19	121.54
120	952.38	2	SLE R	-88283.10	1372.89	1319.64	0.00	78.54	8.15	121.04
121	1011.90	2	SLE R	-85918.00	548.93	527.63	0.00	78.54	7.37	110.11
122	1011.90	2	SLE R	-85518.00	548.93	527.63	0.00	78.54	7.34	109.63
123	1071.43	2	SLE R	-83157.80	-88.11	-84.69	0.00	78.54	6.82	102.24
124	1071.43	2	SLE R	-82763.70	-88.11	-84.69	0.00	78.54	6.79	101.76
125	1130.95	2	SLE R	-80408.20	-562.16	-540.36	0.00	78.54	6.94	103.49
126	1130.95	2	SLE R	-80020.00	-562.16	-540.36	0.00	78.54	6.90	103.02
127	1190.48	2	SLE R	-77668.80	-897.03	-862.24	0.00	78.54	6.95	103.40
128	1190.48	2	SLE R	-77286.40	-897.03	-862.24	0.00	78.54	6.92	102.93
129	1250.00	2	SLE R	-74939.20	-1115.54	-1072.27	0.00	78.54	6.88	102.19
130	1250.00	2	SLE R	-74562.60	-1115.54	-1072.27	0.00	78.54	6.85	101.73
131	1309.52	2	SLE R	-72219.20	-1238.97	-1190.91	0.00	78.54	6.75	100.07
132	1309.52	2	SLE R	-71848.30	-1238.97	-1190.91	0.00	78.54	6.72	99.62
133	1369.05	2	SLE R	-69508.30	-1286.69	-1236.78	0.00	78.54	6.56	97.23
134	1369.05	2	SLE R	-69143.10	-1286.69	-1236.78	0.00	78.54	6.54	96.78
135	1428.57	2	SLE R	-66806.30	-1275.93	-1226.44	0.00	78.54	6.34	93.83
136	1428.57	2	SLE R	-66446.70	-1275.93	-1226.44	0.00	78.54	6.31	93.39
137	1488.10	2	SLE R	-64112.70	-1221.71	-1174.32	0.00	78.54	6.08	90.02
138	1488.10	2	SLE R	-63758.70	-1221.71	-1174.32	0.00	78.54	6.05	89.59
139	1547.62	2	SLE R	-61427.30	-1136.86	-1092.76	0.00	78.54	5.80	85.92
140	1547.62	2	SLE R	-61078.90	-1136.86	-1092.76	0.00	78.54	5.77	85.50
141	1607.14	2	SLE R	-58749.60	-1032.10	-992.07	0.00	78.54	5.51	81.64
142	1607.14	2	SLE R	-58406.70	-1032.10	-992.07	0.00	78.54	5.48	81.22
143	1666.67	2	SLE R	-56079.40	-916.21	-880.67	0.00	78.54	5.21	77.26
144	1666.67	2	SLE R	-55742.00	-916.21	-880.67	0.00	78.54	5.18	76.85
145	1726.19	2	SLE R	-53416.40	-796.18	-765.30	0.00	78.54	4.91	72.85
146	1726.19	2	SLE R	-53084.40	-796.18	-765.30	0.00	78.54	4.88	72.45
147	1785.71	2	SLE R	-50760.10	-677.44	-651.16	0.00	78.54	4.61	68.46
148	1785.71	2	SLE R	-50433.50	-677.44	-651.16	0.00	78.54	4.58	68.06
149	1845.24	2	SLE R	-48110.30	-564.03	-542.15	0.00	78.54	4.31	64.13
150	1845.24	2	SLE R	-47789.00	-564.03	-542.15	0.00	78.54	4.29	63.74
151	1904.76	2	SLE R	-45466.60	-458.83	-441.04	0.00	78.54	4.02	59.89
152	1904.76	2	SLE R	-45150.60	-458.83	-441.04	0.00	78.54	4.00	59.50
153	1964.29	2	SLE R	-42828.60	-363.77	-349.66	0.00	78.54	3.74	55.75
154	1964.29	2	SLE R	-42517.90	-363.77	-349.66	0.00	78.54	3.71	55.37
155	2023.81	2	SLE R	-40196.10	-279.97	-269.11	0.00	78.54	3.47	51.72
156	2023.81	2	SLE R	-39890.70	-279.97	-269.11	0.00	78.54	3.44	51.35
157	2083.33	2	SLE R	-37568.70	-207.91	-199.85	0.00	78.54	3.20	47.82
158	2083.33	2	SLE R	-37268.40	-207.91	-199.85	0.00	78.54	3.18	47.46
159	2142.86	2	SLE R	-34946.10	-147.63	-141.90	0.00	78.54	2.95	44.04
160	2142.86	2	SLE R	-34650.90	-147.63	-141.90	0.00	78.54	2.92	43.68
161	2202.38	2	SLE R	-32327.90	-98.76	-94.93	0.00	78.54	2.70	40.37
162	2202.38	2	SLE R	-32037.80	-98.76	-94.93	0.00	78.54	2.67	40.02
163	2261.90	2	SLE R	-29713.80	-60.72	-58.36	0.00	78.54	2.46	36.82
164	2261.90	2	SLE R	-29428.80	-60.72	-58.36	0.00	78.54	2.44	36.47
165	2321.43	2	SLE R	-27103.50	-32.72	-31.45	0.00	78.54	2.23	33.36
166	2321.43	2	SLE R	-26823.50	-32.72	-31.45	0.00	78.54	2.20	33.02
167	2380.95	2	SLE R	-24496.60	-13.90	-13.36	0.00	78.54	2.00	30.00

168	2380.95	2	SLE R	-24221.70	-13.90	-13.36	0.00	78.54	1.98	29.67
169	2440.48	2	SLE R	-21892.80	-3.31	-3.19	0.00	78.54	1.78	26.72
170	2440.48	2	SLE R	-21622.80	-3.31	-3.19	0.00	78.54	1.76	26.40
171	2500.00	2	SLE R	-19291.80	0.00	0.00	0.00	78.54	1.57	23.52
172	2500.00	2	SLE R	-19026.80	0.00	0.00	0.00	78.54	1.55	23.20
173	0.00	4	SLE Q	-131957.00	28784.50	27668.00	31.42	47.12	34.04	478.85
174	0.00	4	SLE Q	-131957.00	28784.50	27668.00	31.42	47.12	34.04	478.85
175	59.52	4	SLE Q	-131633.00	30136.90	28967.90	31.42	47.12	35.63	500.08
176	59.52	4	SLE Q	-131305.00	30136.90	28967.90	31.42	47.12	35.63	500.04
177	119.05	4	SLE Q	-128830.00	30069.10	28902.70	31.42	47.12	35.56	498.68
178	119.05	4	SLE Q	-128334.00	30069.10	28902.70	31.42	47.12	35.57	498.64
179	178.57	4	SLE Q	-125868.00	28939.30	27816.80	31.42	47.12	34.21	480.14
180	178.57	4	SLE Q	-125379.00	28939.30	27816.80	31.42	47.12	34.22	480.08
181	238.09	4	SLE Q	-122923.00	27054.10	26004.70	31.42	47.12	31.98	449.79
182	238.09	4	SLE Q	-122441.00	27054.10	26004.70	31.42	47.12	31.98	449.68
183	297.62	4	SLE Q	-119993.00	24670.50	23713.60	25.13	53.41	29.25	412.66
184	297.62	4	SLE Q	-119517.00	24670.50	23713.60	25.13	53.41	29.25	412.48
185	357.14	4	SLE Q	-117078.00	21998.90	21145.60	25.13	53.41	26.35	373.07
186	357.14	4	SLE Q	-116609.00	21998.90	21145.60	25.13	53.41	26.33	372.79
187	416.67	4	SLE Q	-114178.00	19207.30	18462.20	18.85	59.69	23.52	334.31
188	416.67	4	SLE Q	-113716.00	19207.30	18462.20	18.85	59.69	23.49	333.93
189	476.19	4	SLE Q	-111293.00	16425.90	15788.70	12.57	65.97	20.91	298.52
190	476.19	4	SLE Q	-110837.00	16425.90	15788.70	15.71	62.83	20.88	298.06
191	535.71	4	SLE Q	-108422.00	13752.00	13218.60	6.28	72.26	18.61	266.70
192	535.71	4	SLE Q	-107973.00	13752.00	13218.60	6.28	72.26	18.58	266.18
193	595.24	4	SLE Q	-105565.00	11254.60	10818.10	0.00	78.54	16.58	238.59
194	595.24	4	SLE Q	-105121.00	11254.60	10818.10	0.00	78.54	16.55	238.05
195	654.76	4	SLE Q	-102721.00	8979.17	8630.88	0.00	78.54	14.74	212.91
196	654.76	4	SLE Q	-102284.00	8979.17	8630.88	0.00	78.54	14.70	212.38
197	714.29	4	SLE Q	-99889.70	6951.69	6682.05	0.00	78.54	13.06	189.66
198	714.29	4	SLE Q	-99459.10	6951.69	6682.05	0.00	78.54	13.03	189.14
199	773.81	4	SLE Q	-97071.40	5182.82	4981.79	0.00	78.54	11.58	168.96
200	773.81	4	SLE Q	-96647.10	5182.82	4981.79	0.00	78.54	11.54	168.44
201	833.33	4	SLE Q	-94265.50	3671.25	3528.85	0.00	78.54	10.27	150.78
202	833.33	4	SLE Q	-93847.30	3671.25	3528.85	0.00	78.54	10.24	150.27
203	892.86	4	SLE Q	-91471.50	2406.78	2313.43	0.00	78.54	9.15	135.02
204	892.86	4	SLE Q	-91059.40	2406.78	2313.43	0.00	78.54	9.11	134.52
205	952.38	4	SLE Q	-88689.10	1372.89	1319.64	0.00	78.54	8.19	121.54
206	952.38	4	SLE Q	-88283.10	1372.89	1319.64	0.00	78.54	8.15	121.04
207	1011.90	4	SLE Q	-85918.00	548.93	527.63	0.00	78.54	7.37	110.11
208	1011.90	4	SLE Q	-85518.00	548.93	527.63	0.00	78.54	7.34	109.63
209	1071.43	4	SLE Q	-83157.80	-88.11	-84.69	0.00	78.54	6.82	102.24
210	1071.43	4	SLE Q	-82763.70	-88.11	-84.69	0.00	78.54	6.79	101.76
211	1130.95	4	SLE Q	-80408.20	-562.16	-540.36	0.00	78.54	6.94	103.49
212	1130.95	4	SLE Q	-80020.00	-562.16	-540.36	0.00	78.54	6.90	103.02
213	1190.48	4	SLE Q	-77668.80	-897.03	-862.24	0.00	78.54	6.95	103.40
214	1190.48	4	SLE Q	-77286.40	-897.03	-862.24	0.00	78.54	6.92	102.93
215	1250.00	4	SLE Q	-74939.20	-1115.54	-1072.27	0.00	78.54	6.88	102.19
216	1250.00	4	SLE Q	-74562.60	-1115.54	-1072.27	0.00	78.54	6.85	101.73
217	1309.52	4	SLE Q	-72219.20	-1238.97	-1190.91	0.00	78.54	6.75	100.07
218	1309.52	4	SLE Q	-71848.30	-1238.97	-1190.91	0.00	78.54	6.72	99.62
219	1369.05	4	SLE Q	-69508.30	-1286.69	-1236.78	0.00	78.54	6.56	97.23
220	1369.05	4	SLE Q	-69143.10	-1286.69	-1236.78	0.00	78.54	6.54	96.78
221	1428.57	4	SLE Q	-66806.30	-1275.93	-1226.44	0.00	78.54	6.34	93.83
222	1428.57	4	SLE Q	-66446.70	-1275.93	-1226.44	0.00	78.54	6.31	93.39
223	1488.10	4	SLE Q	-64112.70	-1221.71	-1174.32	0.00	78.54	6.08	90.02
224	1488.10	4	SLE Q	-63758.70	-1221.71	-1174.32	0.00	78.54	6.05	89.59
225	1547.62	4	SLE Q	-61427.30	-1136.86	-1092.76	0.00	78.54	5.80	85.92
226	1547.62	4	SLE Q	-61078.90	-1136.86	-1092.76	0.00	78.54	5.77	85.50
227	1607.14	4	SLE Q	-58749.60	-1032.10	-992.07	0.00	78.54	5.51	81.64
228	1607.14	4	SLE Q	-58406.70	-1032.10	-992.07	0.00	78.54	5.48	81.22
229	1666.67	4	SLE Q	-56079.40	-916.21	-880.67	0.00	78.54	5.21	77.26
230	1666.67	4	SLE Q	-55742.00	-916.21	-880.67	0.00	78.54	5.18	76.85
231	1726.19	4	SLE Q	-53416.40	-796.18	-765.30	0.00	78.54	4.91	72.85
232	1726.19	4	SLE Q	-53084.40	-796.18	-765.30	0.00	78.54	4.88	72.45
233	1785.71	4	SLE Q	-50760.10	-677.44	-651.16	0.00	78.54	4.61	68.46
234	1785.71	4	SLE Q	-50433.50	-677.44	-651.16	0.00	78.54	4.58	68.06
235	1845.24	4	SLE Q	-48110.30	-564.03	-542.15	0.00	78.54	4.31	64.13
236	1845.24	4	SLE Q	-47789.00	-564.03	-542.15	0.00	78.54	4.29	63.74
237	1904.76	4	SLE Q	-45466.60	-458.83	-441.04	0.00	78.54	4.02	59.89
238	1904.76	4	SLE Q	-45150.60	-458.83	-441.04	0.00	78.54	4.00	59.50
239	1964.29	4	SLE Q	-42828.60	-363.77	-349.66	0.00	78.54	3.74	55.75
240	1964.29	4	SLE Q	-42517.90	-363.77	-349.66	0.00	78.54	3.71	55.37
241	2023.81	4	SLE Q	-40196.10	-279.97	-269.11	0.00	78.54	3.47	51.72
242	2023.81	4	SLE Q	-39890.70	-279.97	-269.11	0.00	78.54	3.44	51.35
243	2083.33	4	SLE Q	-37568.70	-207.91	-199.85	0.00	78.54	3.20	47.82

244	2083.33	4	SLE Q	-37268.40	-207.91	-199.85	0.00	78.54	3.18	47.46
245	2142.86	4	SLE Q	-34946.10	-147.63	-141.90	0.00	78.54	2.95	44.04
246	2142.86	4	SLE Q	-34650.90	-147.63	-141.90	0.00	78.54	2.92	43.68
247	2202.38	4	SLE Q	-32327.90	-98.76	-94.93	0.00	78.54	2.70	40.37
248	2202.38	4	SLE Q	-32037.80	-98.76	-94.93	0.00	78.54	2.67	40.02
249	2261.90	4	SLE Q	-29713.80	-60.72	-58.36	0.00	78.54	2.46	36.82
250	2261.90	4	SLE Q	-29428.80	-60.72	-58.36	0.00	78.54	2.44	36.47
251	2321.43	4	SLE Q	-27103.50	-32.72	-31.45	0.00	78.54	2.23	33.36
252	2321.43	4	SLE Q	-26823.50	-32.72	-31.45	0.00	78.54	2.20	33.02
253	2380.95	4	SLE Q	-24496.60	-13.90	-13.36	0.00	78.54	2.00	30.00
254	2380.95	4	SLE Q	-24221.70	-13.90	-13.36	0.00	78.54	1.98	29.67
255	2440.48	4	SLE Q	-21892.80	-3.31	-3.19	0.00	78.54	1.78	26.72
256	2440.48	4	SLE Q	-21622.80	-3.31	-3.19	0.00	78.54	1.76	26.40
257	2500.00	4	SLE Q	-19291.80	0.00	0.00	0.00	78.54	1.57	23.52
258	2500.00	4	SLE Q	-19026.80	0.00	0.00	0.00	78.54	1.55	23.20

Stato limite d'esercizio – Verifiche a fessurazione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	c <mm>	s <mm>	K_2	Φ_{eq}	Δ_{sm} <mm>	A_s <cmq>	$A_{c\ eff}$ <cmq>	σ_s <daN/cmq>	ε_{sm}	Wk <mm>
173	0.00	4	SLE Q	-131957.00	27668.00	28784.50	46.00	136.36	0.50	20.00	192.56	12.57	631.82	203.38	0.06	0.02
174	0.00	4	SLE Q	-131957.00	27668.00	28784.50	46.00	136.36	0.50	20.00	192.56	12.57	631.82	203.38	0.06	0.02
175	59.52	4	SLE Q	-131633.00	28967.90	30136.90	46.00	136.36	0.50	20.00	203.27	12.57	699.10	238.90	0.07	0.02
176	59.52	4	SLE Q	-131305.00	28967.90	30136.90	46.00	136.36	0.50	20.00	203.82	12.57	702.59	240.28	0.07	0.02
177	119.05	4	SLE Q	-128830.00	28902.70	30069.10	46.00	136.36	0.50	20.00	207.56	12.57	726.08	249.13	0.07	0.03
178	119.05	4	SLE Q	-128334.00	28902.70	30069.10	46.00	136.36	0.50	20.00	208.41	12.57	731.43	251.31	0.07	0.03
179	178.57	4	SLE Q	-125868.00	27816.80	28939.30	46.00	136.36	0.50	20.00	204.21	12.57	705.02	231.66	0.07	0.02
180	178.57	4	SLE Q	-125379.00	27816.80	28939.30	46.00	136.36	0.50	20.00	205.07	12.57	710.46	233.74	0.07	0.02
181	238.09	4	SLE Q	-122923.00	26004.70	27054.10	46.00	136.36	0.50	20.00	194.52	12.57	644.17	195.35	0.06	0.02
182	238.09	4	SLE Q	-122441.00	26004.70	27054.10	46.00	136.36	0.50	20.00	195.39	12.57	649.62	197.21	0.06	0.02
183	297.62	4	SLE Q	-119993.00	23713.60	24670.50	46.00	136.36	0.50	20.00	179.69	12.57	551.00	150.06	0.04	0.01
184	297.62	4	SLE Q	-119517.00	23713.60	24670.50	46.00	136.36	0.50	20.00	180.55	12.57	556.35	151.63	0.04	0.01
185	357.14	4	SLE Q	-117078.00	21145.60	21998.90	46.00	136.36	0.50	20.00	160.91	12.57	432.97	104.02	0.03	0.01
186	357.14	4	SLE Q	-116609.00	21145.60	21998.90	46.00	136.36	0.50	20.00	161.72	12.57	438.08	105.27	0.03	0.01
187	416.67	4	SLE Q	-114178.00	18462.20	19207.30	46.00	136.36	0.50	20.00	187.06	6.28	298.63	62.64	0.02	0.01
188	416.67	4	SLE Q	-113716.00	18462.20	19207.30	46.00	136.36	0.50	20.00	188.55	6.28	303.33	63.61	0.02	0.01
259	0.00	3	SLE F	-131957.00	27668.00	28784.50	46.00	136.36	0.50	20.00	192.56	12.57	631.82	203.38	0.06	0.02
260	0.00	3	SLE F	-131957.00	27668.00	28784.50	46.00	136.36	0.50	20.00	192.56	12.57	631.82	203.38	0.06	0.02
261	59.52	3	SLE F	-131633.00	28967.90	30136.90	46.00	136.36	0.50	20.00	203.27	12.57	699.10	238.90	0.07	0.02
262	59.52	3	SLE F	-131305.00	28967.90	30136.90	46.00	136.36	0.50	20.00	203.82	12.57	702.59	240.28	0.07	0.02
263	119.05	3	SLE F	-128830.00	28902.70	30069.10	46.00	136.36	0.50	20.00	207.56	12.57	726.08	249.13	0.07	0.03
264	119.05	3	SLE F	-128334.00	28902.70	30069.10	46.00	136.36	0.50	20.00	208.41	12.57	731.43	251.31	0.07	0.03
265	178.57	3	SLE F	-125868.00	27816.80	28939.30	46.00	136.36	0.50	20.00	204.21	12.57	705.02	231.66	0.07	0.02
266	178.57	3	SLE F	-125379.00	27816.80	28939.30	46.00	136.36	0.50	20.00	205.07	12.57	710.46	233.74	0.07	0.02
267	238.09	3	SLE F	-122923.00	26004.70	27054.10	46.00	136.36	0.50	20.00	194.52	12.57	644.17	195.35	0.06	0.02
268	238.09	3	SLE F	-122441.00	26004.70	27054.10	46.00	136.36	0.50	20.00	195.39	12.57	649.62	197.21	0.06	0.02
269	297.62	3	SLE F	-119993.00	23713.60	24670.50	46.00	136.36	0.50	20.00	179.69	12.57	551.00	150.06	0.04	0.01
270	297.62	3	SLE F	-119517.00	23713.60	24670.50	46.00	136.36	0.50	20.00	180.55	12.57	556.35	151.63	0.04	0.01
271	357.14	3	SLE F	-117078.00	21145.60	21998.90	46.00	136.36	0.50	20.00	160.91	12.57	432.97	104.02	0.03	0.01
272	357.14	3	SLE F	-116609.00	21145.60	21998.90	46.00	136.36	0.50	20.00	161.72	12.57	438.08	105.27	0.03	0.01
273	416.67	3	SLE F	-114178.00	18462.20	19207.30	46.00	136.36	0.50	20.00	187.06	6.28	298.63	62.64	0.02	0.01
274	416.67	3	SLE F	-113716.00	18462.20	19207.30	46.00	136.36	0.50	20.00	188.55	6.28	303.33	63.61	0.02	0.01

Verifiche principali

Caso	Tipo
6	SLU N cost – min. sic.
15	SLU Taglio – min. sic. c.a.,SLU Taglio – min. sic. acciaio
89	C.Rare – Sf min (max compr.)
90	C.Rare – Sc min (max compr.)
92	C.Rare – Sf max (max traz.)
108	C.Rare – Sc max (min. compr.)
175	C.Q.Per. – Sf min (max compr.)
176	C.Q.Per. – Sc min (max compr.)
178	C.Q.Per. – Sf max (max traz.),C.Q.Per. – Wk Max
194	C.Q.Per. – Sc max (min. compr.)
264	C.Freq – Wk Max

Palo n. 19

Caratteristiche del palo e dei materiali utilizzati

R <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
60.00	6.00	C30/37	307.10	20.59	174.02	13.73	B450C	4300.00	3913.04

Le sollecitazioni nei pali vengono calcolate oltre che per l'effetto delle reazioni vincolari anche considerando i seguenti effetti

Azioni ed effetti comuni

Az	N <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
PP	0.00	0.00	0.00	
SVR	0.00			

Azioni ed effetti - Plinto/Palo n. 19 (-138)

Caso	CC	TCC	Az	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	RVN	223443.00	6419.81	-1204.70	23421.20	-47766.30
	1	SLU	TAG				0.00	0.00
	1	SLU	ECC				0.00	0.00
	1	SLU	TOT	223443.00	6419.81	-1204.70	23421.20	-47766.30
2	2	SLE R	RVN	165514.00	4755.42	-892.37	17349.10	-35382.50
	2	SLE R	TAG				0.00	0.00
	2	SLE R	ECC				0.00	0.00
	2	SLE R	TOT	165514.00	4755.42	-892.37	17349.10	-35382.50
3	3	SLE F	RVN	165514.00	4755.42	-892.37	17349.10	-35382.50
	3	SLE F	TAG				0.00	0.00
	3	SLE F	ECC				0.00	0.00
	3	SLE F	TOT	165514.00	4755.42	-892.37	17349.10	-35382.50
4	4	SLE Q	RVN	165514.00	4755.42	-892.37	17349.10	-35382.50
	4	SLE Q	TAG				0.00	0.00
	4	SLE Q	ECC				0.00	0.00
	4	SLE Q	TOT	165514.00	4755.42	-892.37	17349.10	-35382.50

Sollecitazioni nei pali

Caso	CC	TCC	Palo	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	1	-223443.00	-6419.81	1204.70	-23421.20	47766.30
2	2	SLE R	1	-165514.00	-4755.42	892.37	-17349.10	35382.50
3	3	SLE F	1	-165514.00	-4755.42	892.37	-17349.10	35382.50
4	4	SLE Q	1	-165514.00	-4755.42	892.37	-17349.10	35382.50

Da 0 a -25

Stato limite ultimo - Verifiche a flessione/pressoflessione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	Rott.	α <grad>	Sic.
1	0.00	1	SLU	-223443.00	23180.20	47274.80	-223443.00	102107.00	208150.00	2-3	116.25	4.403
2	0.00	1	SLU	-223443.00	23180.20	47274.80	-223443.00	102107.00	208150.00	2-3	116.25	4.403
3	59.52	1	SLU	-223119.00	24221.10	49397.50	-223119.00	102058.00	208057.00	2-3	116.25	4.212
4	59.52	1	SLU	-221708.00	24221.10	49397.50	-221708.00	101844.00	207653.00	2-3	116.25	4.204
5	119.05	1	SLU	-220316.00	24132.00	49215.90	-220316.00	101633.00	207254.00	2-3	116.25	4.211
6	119.05	1	SLU	-216583.00	24132.00	49215.90	-216583.00	101128.00	206117.00	2-3	116.25	4.189
7	178.57	1	SLU	-217042.00	23199.30	47313.80	-217042.00	101188.00	206260.00	2-3	116.25	4.360
8	178.57	1	SLU	-211485.00	23199.30	47313.80	-211485.00	100467.00	204525.00	2-3	116.25	4.324
9	238.09	1	SLU	-213297.00	21667.90	44190.40	-213297.00	100702.00	205091.00	2-3	116.25	4.642
10	238.09	1	SLU	-206414.00	21667.90	44190.40	-206414.00	99806.90	202936.00	2-3	116.25	4.595
11	297.62	1	SLU	-209082.00	19742.60	40264.00	-209082.00	100154.00	203775.00	2-3	116.25	5.063
12	297.62	1	SLU	-201370.00	19742.60	40264.00	-201370.00	99148.70	201346.00	2-3	116.25	5.005
13	357.14	1	SLU	-204397.00	17591.30	35876.60	-204397.00	99544.00	202300.00	2-3	116.25	5.643
14	357.14	1	SLU	-196351.00	17591.30	35876.60	-196351.00	98492.00	199757.00	2-3	116.25	5.574
15	416.67	1	SLU	-199240.00	15347.80	31301.10	-199240.00	98870.00	200674.00	2-3	116.25	6.417
16	416.67	1	SLU	-191356.00	15347.80	31301.10	-191356.00	97836.80	198168.00	2-3	116.25	6.340
17	476.19	1	SLU	-194064.00	13115.70	26748.80	-194064.00	98192.40	199029.00	2-3	116.25	7.450
18	476.19	1	SLU	-186387.00	13115.70	26748.80	-186387.00	97183.50	196579.00	2-3	116.25	7.361
19	535.71	1	SLU	-188912.00	10972.30	22377.30	-188912.00	97515.30	197390.00	2-3	116.25	8.834
20	535.71	1	SLU	-181440.00	10972.30	22377.30	-181440.00	96531.60	194991.00	2-3	116.25	8.730
21	595.24	1	SLU	-183785.00	8972.17	18298.20	-183785.00	96840.90	195744.00	2-3	116.25	10.716
22	595.24	1	SLU	-176517.00	8972.17	18298.20	-176517.00	95881.60	193403.00	2-3	116.25	10.592
23	654.76	1	SLU	-178681.00	7151.28	14584.60	-178681.00	96167.00	194104.00	2-3	116.25	13.336
24	654.76	1	SLU	-171616.00	7151.28	14584.60	-171616.00	95233.10	191816.00	2-3	116.25	13.184
25	714.29	1	SLU	-173599.00	5530.06	11278.20	-2571250.00	95495.70	192458.00	2-3	116.25	14.811
26	714.29	1	SLU	-166737.00	5530.06	11278.20	-2571250.00	94586.50	190229.00	2-3	116.25	15.421
27	773.81	1	SLU	-168539.00	4116.65	8395.69	-2571250.00	94825.10	190817.00	2-3	116.25	15.256
28	773.81	1	SLU	-161880.00	4116.65	8395.69	-2571250.00	93913.70	188645.00	2-3	116.25	15.884
29	833.33	1	SLU	-163501.00	2909.73	5934.24	-2571250.00	94140.00	189174.00	2-3	116.25	15.726
30	833.33	1	SLU	-157042.00	2909.73	5934.24	-2571250.00	93142.80	187075.00	2-3	116.25	16.373
31	892.86	1	SLU	-158484.00	1900.88	3876.74	-2571250.00	93396.40	187542.00	2-3	116.25	16.224
32	892.86	1	SLU	-152225.00	1900.88	3876.74	-2571250.00	92295.70	185516.00	2-3	116.25	16.891
33	952.38	1	SLU	-153487.00	1076.69	2195.85	-2571250.00	92517.50	185924.00	2-3	116.25	16.752
34	952.38	1	SLU	-147427.00	1076.69	2195.85	-2571250.00	91447.40	183956.00	2-3	116.25	17.441
35	1011.90	1	SLU	-148509.00	420.49	857.57	-2571250.00	91639.70	184309.00	2-3	116.25	17.314
36	1011.90	1	SLU	-142648.00	420.49	857.57	-2571250.00	90598.00	182396.00	2-3	116.25	18.025
37	1071.43	1	SLU	-143550.00	-86.25	-175.89	-2571250.00	-89645.90	-183183.00	2-3	296.25	17.912
38	1071.43	1	SLU	-137887.00	-86.25	-175.89	-2571250.00	-88683.10	-181380.00	2-3	296.25	18.648

39	1130.95	1	SLU	-138609.00	-462.76	-943.77	-2571250.00	-88806.70	-181611.00	2-3	296.25	18.550
40	1130.95	1	SLU	-133143.00	-462.76	-943.77	-2571250.00	-87931.80	-179806.00	2-3	296.25	19.312
41	1190.48	1	SLU	-133686.00	-728.14	-1485.00	-2571250.00	-88010.30	-179993.00	2-3	296.25	19.233
42	1190.48	1	SLU	-128416.00	-728.14	-1485.00	-2571250.00	-87248.00	-178170.00	2-3	296.25	20.023
43	1250.00	1	SLU	-128780.00	-900.69	-1836.90	-2571250.00	-87300.50	-178296.00	2-3	296.25	19.966
44	1250.00	1	SLU	-123706.00	-900.69	-1836.90	-2571250.00	-86565.90	-176529.00	2-3	296.25	20.785
45	1309.52	1	SLU	-123890.00	-997.45	-2034.23	-2571250.00	-86592.60	-176594.00	2-3	296.25	20.754
46	1309.52	1	SLU	-119011.00	-997.45	-2034.23	-2571250.00	-85884.20	-174891.00	2-3	296.25	21.605
47	1369.05	1	SLU	-119016.00	-1033.91	-2108.60	-2571250.00	-85884.20	-174891.00	2-3	296.25	21.604
48	1369.05	1	SLU	-114332.00	-1033.91	-2108.60	-2571250.00	-85204.60	-173247.00	2-3	296.25	22.489
49	1428.57	1	SLU	-114157.00	-1023.86	-2088.11	-2571250.00	-85179.20	-173186.00	2-3	296.25	22.524
50	1428.57	1	SLU	-109666.00	-1023.86	-2088.11	-2571250.00	-84525.10	-171606.00	2-3	296.25	23.446
51	1488.10	1	SLU	-109313.00	-979.31	-1997.24	-2571250.00	-84473.80	-171481.00	2-3	296.25	23.522
52	1488.10	1	SLU	-105015.00	-979.31	-1997.24	-2571250.00	-83848.10	-169959.00	2-3	296.25	24.485
53	1547.62	1	SLU	-104482.00	-910.48	-1856.87	-2571250.00	-83770.40	-169770.00	2-3	296.25	24.609
54	1547.62	1	SLU	-100377.00	-910.48	-1856.87	-2571250.00	-83170.90	-168315.00	2-3	296.25	25.616
55	1607.14	1	SLU	-99664.90	-825.94	-1684.46	-2571250.00	-83067.20	-168061.00	2-3	296.25	25.799
56	1607.14	1	SLU	-95752.30	-825.94	-1684.46	-2571250.00	-82496.80	-166664.00	2-3	296.25	26.853
57	1666.67	1	SLU	-94860.20	-732.69	-1494.27	-2571250.00	-82366.40	-166346.00	2-3	296.25	27.106
58	1666.67	1	SLU	-91139.40	-732.69	-1494.27	-2571250.00	-81821.70	-165017.00	2-3	296.25	28.212
59	1726.19	1	SLU	-90067.60	-636.28	-1297.67	-2571250.00	-81665.60	-164632.00	2-3	296.25	28.548
60	1726.19	1	SLU	-86538.00	-636.28	-1297.67	-2571250.00	-81150.50	-163362.00	2-3	296.25	29.712
61	1785.71	1	SLU	-85286.50	-541.05	-1103.43	-2571250.00	-80967.40	-162912.00	2-3	296.25	30.148
62	1785.71	1	SLU	-81947.60	-541.05	-1103.43	-2571250.00	-80478.00	-161710.00	2-3	296.25	31.377
63	1845.24	1	SLU	-80516.10	-450.19	-918.14	-2571250.00	-80269.10	-161193.00	2-3	296.25	31.935
64	1845.24	1	SLU	-77367.60	-450.19	-918.14	-2571250.00	-79707.30	-160069.00	2-3	296.25	33.234
65	1904.76	1	SLU	-75756.00	-366.00	-746.43	-2571250.00	-79406.50	-159496.00	2-3	296.25	33.941
66	1904.76	1	SLU	-72797.50	-366.00	-746.43	-2571250.00	-78854.50	-158443.00	2-3	296.25	35.321
67	1964.29	1	SLU	-71005.50	-289.99	-591.41	-2571250.00	-78517.60	-157802.00	2-3	296.25	36.212
68	1964.29	1	SLU	-68236.60	-289.99	-591.41	-2571250.00	-77996.10	-156811.00	2-3	296.25	37.681
69	2023.81	1	SLU	-66264.00	-223.03	-454.86	-2571250.00	-77624.60	-156104.00	2-3	296.25	38.803
70	2023.81	1	SLU	-63684.30	-223.03	-454.86	-2571250.00	-77138.80	-155179.00	2-3	296.25	40.375
71	2083.33	1	SLU	-61530.90	-165.52	-337.56	-2571250.00	-76730.10	-154404.00	2-3	296.25	41.788
72	2083.33	1	SLU	-59140.10	-165.52	-337.56	-2571250.00	-76275.70	-153541.00	2-3	296.25	43.477
73	2142.86	1	SLU	-56805.70	-117.44	-239.51	-2571250.00	-75832.20	-152699.00	2-3	296.25	45.264
74	2142.86	1	SLU	-54603.50	-117.44	-239.51	-2571250.00	-75413.80	-151904.00	2-3	296.25	47.090
75	2202.38	1	SLU	-52087.60	-78.50	-160.10	-2571250.00	-74932.00	-150992.00	2-3	296.25	49.364
76	2202.38	1	SLU	-50073.80	-78.50	-160.10	-2571250.00	-74546.00	-150261.00	2-3	296.25	51.349
77	2261.90	1	SLU	-47376.20	-48.22	-98.35	-2571250.00	-74028.90	-149281.00	2-3	296.25	54.273
78	2261.90	1	SLU	-45550.40	-48.22	-98.35	-2571250.00	-73679.00	-148618.00	2-3	296.25	56.448
79	2321.43	1	SLU	-42670.70	-25.97	-52.96	-2571250.00	-73122.80	-147567.00	2-3	296.25	60.258
80	2321.43	1	SLU	-41032.80	-25.97	-52.96	-2571250.00	-72806.30	-146969.00	2-3	296.25	62.663
81	2380.95	1	SLU	-37970.70	-11.02	-22.47	-2571250.00	-72199.10	-145851.00	2-3	296.25	67.717
82	2380.95	1	SLU	-36520.40	-11.02	-22.47	-2571250.00	-71909.50	-145322.00	2-3	296.25	70.406
83	2440.48	1	SLU	-33275.60	-2.62	-5.35	-2571250.00	-71256.10	-144133.00	2-3	296.25	77.271
84	2440.48	1	SLU	-32012.70	-2.62	-5.35	-2571250.00	-71001.50	-143670.00	2-3	296.25	80.320
85	2500.00	1	SLU	-28584.60	0.00	0.00	-2571250.00					89.952
86	2500.00	1	SLU	-27509.00	0.00	0.00	-2571250.00					93.469

Stato limite ultimo – Verifiche a taglio

Caso	X <cm>	CC	TCC	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1	0.00	1	SLU	6419.81	-1204.70	0.85	11.31	6531.87	1.00	32294.70	363674.00	32294.70	4.944
2	0.00	1	SLU	6419.81	-1204.70	0.85	11.31	6531.87	1.00	32294.70	363674.00	32294.70	4.944
3	59.52	1	SLU	1592.81	-298.90	0.85	11.31	1620.61	1.00	32294.70	363627.00	32294.70	19.927
4	59.52	1	SLU	1592.81	-298.90	0.85	11.31	1620.61	1.00	32294.70	363425.00	32294.70	19.927
5	119.05	1	SLU	-2081.93	390.68	0.85	11.31	2118.26	1.00	32294.70	363226.00	32294.70	15.246
6	119.05	1	SLU	-2081.93	390.68	0.85	11.31	2118.26	1.00	32294.70	362691.00	32294.70	15.246
7	178.57	1	SLU	-4761.24	893.46	0.85	11.31	4844.35	1.00	32294.70	362757.00	32294.70	6.666
8	178.57	1	SLU	-4761.24	893.46	0.85	11.31	4844.35	1.00	32294.70	361961.00	32294.70	6.666
9	238.09	1	SLU	-6598.39	1238.21	0.85	11.31	6713.57	1.00	32294.70	362221.00	32294.70	4.810
10	238.09	1	SLU	-6598.39	1238.21	0.85	11.31	6713.57	1.00	32294.70	361235.00	32294.70	4.810
11	297.62	1	SLU	-7738.46	1452.15	0.85	11.31	7873.54	1.00	32294.70	361617.00	32294.70	4.102
12	297.62	1	SLU	-7738.46	1452.15	0.85	11.31	7873.54	1.00	32294.70	360512.00	32294.70	4.102
13	357.14	1	SLU	-8315.20	1560.37	0.85	11.31	8460.33	1.00	32294.70	360946.00	32294.70	3.817
14	357.14	1	SLU	-8315.20	1560.37	0.85	11.31	8460.33	1.00	32294.70	359793.00	32294.70	3.817
15	416.67	1	SLU	-8449.04	1585.49	0.85	11.31	8596.51	1.00	32294.70	360207.00	32294.70	3.757
16	416.67	1	SLU	-8449.04	1585.49	0.85	11.31	8596.51	1.00	32294.70	359078.00	32294.70	3.757
17	476.19	1	SLU	-8246.15	1547.42	0.85	11.31	8390.08	1.00	32294.70	359466.00	32294.70	3.849
18	476.19	1	SLU	-8246.15	1547.42	0.85	11.31	8390.08	1.00	32294.70	358366.00	32294.70	3.849
19	535.71	1	SLU	-7798.18	1463.35	0.85	11.31	7934.29	1.00	32294.70	358728.00	32294.70	4.070
20	535.71	1	SLU	-7798.18	1463.35	0.85	11.31	7934.29	1.00	32294.70	357658.00	32294.70	4.070
21	595.24	1	SLU	-7182.59	1347.84	0.85	11.31	7307.96	1.00	32294.70	357993.00	32294.70	4.419
22	595.24	1	SLU	-7182.59	1347.84	0.85	11.31	7307.96	1.00	32294.70	356952.00	32294.70	4.419
23	654.76	1	SLU	-6463.48	1212.89	0.85	11.31	6576.30	1.00	32294.70	357262.00	32294.70	4.911
24	654.76	1	SLU	-6463.48	1212.89	0.85	11.31	6576.30	1.00	32294.70	356250.00	32294.70	4.911

25	714.29	1	SLU	-5692.57	1068.23	0.85	11.31	5791.93	1.00	32294.70	356534.00	32294.70	5.576
26	714.29	1	SLU	-5692.57	1068.23	0.85	11.31	5791.93	1.00	32294.70	355551.00	32294.70	5.576
27	773.81	1	SLU	-4910.51	921.47	0.85	11.31	4996.22	1.00	32294.70	355810.00	32294.70	6.464
28	773.81	1	SLU	-4910.51	921.47	0.85	11.31	4996.22	1.00	32294.70	354856.00	32294.70	6.464
29	833.33	1	SLU	-4148.13	778.41	0.85	11.31	4220.53	1.00	32294.70	355088.00	32294.70	7.652
30	833.33	1	SLU	-4148.13	778.41	0.85	11.31	4220.53	1.00	32294.70	354163.00	32294.70	7.652
31	892.86	1	SLU	-3427.86	643.25	0.85	11.31	3487.69	1.00	32294.70	354369.00	32294.70	9.260
32	892.86	1	SLU	-3427.86	643.25	0.85	11.31	3487.69	1.00	32294.70	353473.00	32294.70	9.260
33	952.38	1	SLU	-2764.98	518.86	0.85	11.31	2813.24	1.00	32294.70	353653.00	32294.70	11.479
34	952.38	1	SLU	-2764.98	518.86	0.85	11.31	2813.24	1.00	32294.70	352785.00	32294.70	11.479
35	1011.90	1	SLU	-2168.90	407.00	0.85	11.31	2206.76	1.00	32294.70	352940.00	32294.70	14.634
36	1011.90	1	SLU	-2168.90	407.00	0.85	11.31	2206.76	1.00	32294.70	352101.00	32294.70	14.634
37	1071.43	1	SLU	-1644.25	308.55	0.85	11.31	1672.95	1.00	32294.70	352230.00	32294.70	19.304
38	1071.43	1	SLU	-1644.25	308.55	0.85	11.31	1672.95	1.00	32294.70	351419.00	32294.70	19.304
39	1130.95	1	SLU	-1191.97	223.68	0.85	11.31	1212.78	1.00	32294.70	351522.00	32294.70	26.629
40	1130.95	1	SLU	-1191.97	223.68	0.85	11.31	1212.78	1.00	32294.70	350739.00	32294.70	26.629
41	1190.48	1	SLU	-810.15	152.03	0.85	11.31	824.29	1.00	32294.70	350817.00	32294.70	39.179
42	1190.48	1	SLU	-810.15	152.03	0.85	11.31	824.29	1.00	32294.70	350062.00	32294.70	39.179
43	1250.00	1	SLU	-494.83	92.86	0.85	11.31	503.46	1.00	32294.70	350114.00	32294.70	64.145
44	1250.00	1	SLU	-494.83	92.86	0.85	11.31	503.46	1.00	32294.70	349388.00	32294.70	64.145
45	1309.52	1	SLU	-240.67	45.16	0.85	11.31	244.87	1.00	32294.70	349414.00	32294.70	>100
46	1309.52	1	SLU	-240.67	45.16	0.85	11.31	244.87	1.00	32294.70	348715.00	32294.70	>100
47	1369.05	1	SLU	-41.48	7.78	0.85	11.31	42.21	1.00	32294.70	348716.00	32294.70	>100
48	1369.05	1	SLU	-41.48	7.78	0.85	11.31	42.21	1.00	32294.70	348045.00	32294.70	>100
49	1428.57	1	SLU	109.34	-20.52	0.85	11.31	111.25	1.00	32294.70	348020.00	32294.70	>100
50	1428.57	1	SLU	109.34	-20.52	0.85	11.31	111.25	1.00	32294.70	347377.00	32294.70	>100
51	1488.10	1	SLU	218.49	-41.00	0.85	11.31	222.30	1.00	32294.70	347326.00	32294.70	>100
52	1488.10	1	SLU	218.49	-41.00	0.85	11.31	222.30	1.00	32294.70	346710.00	32294.70	>100
53	1547.62	1	SLU	292.44	-54.88	0.85	11.31	297.55	1.00	32294.70	346634.00	32294.70	>100
54	1547.62	1	SLU	292.44	-54.88	0.85	11.31	297.55	1.00	32294.70	346046.00	32294.70	>100
55	1607.14	1	SLU	337.32	-63.30	0.85	11.31	343.21	1.00	32294.70	345944.00	32294.70	94.097
56	1607.14	1	SLU	337.32	-63.30	0.85	11.31	343.21	1.00	32294.70	345384.00	32294.70	94.097
57	1666.67	1	SLU	358.73	-67.32	0.85	11.31	364.99	1.00	32294.70	345256.00	32294.70	88.481
58	1666.67	1	SLU	358.73	-67.32	0.85	11.31	364.99	1.00	32294.70	344723.00	32294.70	88.481
59	1726.19	1	SLU	361.71	-67.88	0.85	11.31	368.02	1.00	32294.70	344569.00	32294.70	87.751
60	1726.19	1	SLU	361.71	-67.88	0.85	11.31	368.02	1.00	32294.70	344064.00	32294.70	87.751
61	1785.71	1	SLU	350.68	-65.81	0.85	11.31	356.80	1.00	32294.70	343884.00	32294.70	90.512
62	1785.71	1	SLU	350.68	-65.81	0.85	11.31	356.80	1.00	32294.70	343406.00	32294.70	90.512
63	1845.24	1	SLU	329.43	-61.82	0.85	11.31	335.18	1.00	32294.70	343201.00	32294.70	96.351
64	1845.24	1	SLU	329.43	-61.82	0.85	11.31	335.18	1.00	32294.70	342750.00	32294.70	96.351
65	1904.76	1	SLU	301.15	-56.51	0.85	11.31	306.41	1.00	32294.70	342519.00	32294.70	>100
66	1904.76	1	SLU	301.15	-56.51	0.85	11.31	306.41	1.00	32294.70	342096.00	32294.70	>100
67	1964.29	1	SLU	268.48	-50.38	0.85	11.31	273.17	1.00	32294.70	341839.00	32294.70	>100
68	1964.29	1	SLU	268.48	-50.38	0.85	11.31	273.17	1.00	32294.70	341442.00	32294.70	>100
69	2023.81	1	SLU	233.52	-43.82	0.85	11.31	237.59	1.00	32294.70	341160.00	32294.70	>100
70	2023.81	1	SLU	233.52	-43.82	0.85	11.31	237.59	1.00	32294.70	340790.00	32294.70	>100
71	2083.33	1	SLU	197.92	-37.14	0.85	11.31	201.37	1.00	32294.70	340482.00	32294.70	>100
72	2083.33	1	SLU	197.92	-37.14	0.85	11.31	201.37	1.00	32294.70	340139.00	32294.70	>100
73	2142.86	1	SLU	162.92	-30.57	0.85	11.31	165.76	1.00	32294.70	339805.00	32294.70	>100
74	2142.86	1	SLU	162.92	-30.57	0.85	11.31	165.76	1.00	32294.70	339489.00	32294.70	>100
75	2202.38	1	SLU	129.44	-24.29	0.85	11.31	131.70	1.00	32294.70	339129.00	32294.70	>100
76	2202.38	1	SLU	129.44	-24.29	0.85	11.31	131.70	1.00	32294.70	338841.00	32294.70	>100
77	2261.90	1	SLU	98.10	-18.41	0.85	11.31	99.81	1.00	32294.70	338454.00	32294.70	>100
78	2261.90	1	SLU	98.10	-18.41	0.85	11.31	99.81	1.00	32294.70	338193.00	32294.70	>100
79	2321.43	1	SLU	69.30	-13.00	0.85	11.31	70.51	1.00	32294.70	337780.00	32294.70	>100
80	2321.43	1	SLU	69.30	-13.00	0.85	11.31	70.51	1.00	32294.70	337546.00	32294.70	>100
81	2380.95	1	SLU	43.29	-8.12	0.85	11.31	44.04	1.00	32294.70	337107.00	32294.70	>100
82	2380.95	1	SLU	43.29	-8.12	0.85	11.31	44.04	1.00	32294.70	336899.00	32294.70	>100
83	2440.48	1	SLU	20.17	-3.79	0.85	11.31	20.53	1.00	32294.70	336434.00	32294.70	>100
84	2440.48	1	SLU	20.17	-3.79	0.85	11.31	20.53	1.00	32294.70	336254.00	32294.70	>100

Verifiche stato limite d'esercizio

Caso	X <cm>	CC	TCC	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ_c <daN/cmq>	σ_f <daN/cmq>
87	0.00	2	SLE R	-165514.00	35018.40	17170.50	21.99	56.55	34.33	487.77
88	0.00	2	SLE R	-165514.00	35018.40	17170.50	21.99	56.55	34.33	487.77
89	59.52	2	SLE R	-165189.00	36590.80	17941.50	21.99	56.55	35.52	503.77
90	59.52	2	SLE R	-164464.00	36590.80	17941.50	21.99	56.55	35.48	503.26
91	119.05	2	SLE R	-162386.00	36456.20	17875.60	21.99	56.55	35.29	500.37
92	119.05	2	SLE R	-160703.00	36456.20	17875.60	25.13	53.41	35.23	499.23
93	178.57	2	SLE R	-159112.00	35047.20	17184.70	21.99	56.55	34.06	483.17
94	178.57	2	SLE R	-156962.00	35047.20	17184.70	21.99	56.55	33.96	481.63
95	238.09	2	SLE R	-155368.00	32733.70	16050.30	18.85	59.69	32.12	456.48
96	238.09	2	SLE R	-153241.00	32733.70	16050.30	21.99	56.55	32.02	454.78
97	297.62	2	SLE R	-151618.00	29825.20	14624.20	18.85	59.69	29.82	424.65
98	297.62	2	SLE R	-149540.00	29825.20	14624.20	18.85	59.69	29.70	422.75
99	357.14	2	SLE R	-147888.00	26575.20	13030.60	12.57	65.97	27.38	391.00

100	357.14	2	SLE R	-145858.00	26575.20	13030.60	15.71	62.83	27.25	388.90
101	416.67	2	SLE R	-144176.00	23186.00	11368.80	6.28	72.26	24.99	357.85
102	416.67	2	SLE R	-142194.00	23186.00	11368.80	6.28	72.26	24.84	355.57
103	476.19	2	SLE R	-140483.00	19813.90	9715.35	0.00	78.54	22.73	326.45
104	476.19	2	SLE R	-138548.00	19813.90	9715.35	0.00	78.54	22.57	324.10
105	535.71	2	SLE R	-136808.00	16575.80	8127.60	0.00	78.54	20.58	296.61
106	535.71	2	SLE R	-134920.00	16575.80	8127.60	0.00	78.54	20.43	294.31
107	595.24	2	SLE R	-133150.00	13554.30	6646.05	0.00	78.54	18.56	268.49
108	595.24	2	SLE R	-131309.00	13554.30	6646.05	0.00	78.54	18.41	266.25
109	654.76	2	SLE R	-129509.00	10803.40	5297.24	0.00	78.54	16.69	242.51
110	654.76	2	SLE R	-127714.00	10803.40	5297.24	0.00	78.54	16.55	240.32
111	714.29	2	SLE R	-125884.00	8354.26	4096.34	0.00	78.54	15.00	218.91
112	714.29	2	SLE R	-124136.00	8354.26	4096.34	0.00	78.54	14.86	216.78
113	773.81	2	SLE R	-122275.00	6219.03	3049.37	0.00	78.54	13.49	197.79
114	773.81	2	SLE R	-120574.00	6219.03	3049.37	0.00	78.54	13.35	195.71
115	833.33	2	SLE R	-118682.00	4395.73	2155.36	0.00	78.54	12.16	179.13
116	833.33	2	SLE R	-117027.00	4395.73	2155.36	0.00	78.54	12.02	177.11
117	892.86	2	SLE R	-115104.00	2871.66	1408.06	0.00	78.54	10.99	162.83
118	892.86	2	SLE R	-113494.00	2871.66	1408.06	0.00	78.54	10.86	160.87
119	952.38	2	SLE R	-111541.00	1626.56	797.55	0.00	78.54	9.99	148.73
120	952.38	2	SLE R	-109977.00	1626.56	797.55	0.00	78.54	9.87	146.83
121	1011.90	2	SLE R	-107991.00	635.23	311.47	0.00	78.54	9.14	136.64
122	1011.90	2	SLE R	-106473.00	635.23	311.47	0.00	78.54	9.02	134.79
123	1071.43	2	SLE R	-104456.00	-130.29	-63.89	0.00	78.54	8.56	128.38
124	1071.43	2	SLE R	-102982.00	-130.29	-63.89	0.00	78.54	8.45	126.58
125	1130.95	2	SLE R	-100933.00	-699.09	-342.78	0.00	78.54	8.60	128.53
126	1130.95	2	SLE R	-99505.00	-699.09	-342.78	0.00	78.54	8.49	126.78
127	1190.48	2	SLE R	-97423.90	-1100.00	-539.36	0.00	78.54	8.55	127.38
128	1190.48	2	SLE R	-96040.40	-1100.00	-539.36	0.00	78.54	8.43	125.69
129	1250.00	2	SLE R	-93926.80	-1360.67	-667.17	0.00	78.54	8.41	125.15
130	1250.00	2	SLE R	-92587.90	-1360.67	-667.17	0.00	78.54	8.30	123.52
131	1309.52	2	SLE R	-90441.50	-1506.84	-738.85	0.00	78.54	8.21	122.05
132	1309.52	2	SLE R	-89147.20	-1506.84	-738.85	0.00	78.54	8.11	120.47
133	1369.05	2	SLE R	-86967.80	-1561.93	-765.86	0.00	78.54	7.96	118.24
134	1369.05	2	SLE R	-85717.80	-1561.93	-765.86	0.00	78.54	7.86	116.72
135	1428.57	2	SLE R	-83505.10	-1546.75	-758.42	0.00	78.54	7.67	113.90
136	1428.57	2	SLE R	-82299.30	-1546.75	-758.42	0.00	78.54	7.57	112.43
137	1488.10	2	SLE R	-80053.00	-1479.44	-725.41	0.00	78.54	7.35	109.17
138	1488.10	2	SLE R	-78891.30	-1479.44	-725.41	0.00	78.54	7.26	107.75
139	1547.62	2	SLE R	-76611.10	-1375.46	-674.43	0.00	78.54	7.01	104.16
140	1547.62	2	SLE R	-75493.20	-1375.46	-674.43	0.00	78.54	6.92	102.80
141	1607.14	2	SLE R	-73178.90	-1247.75	-611.81	0.00	78.54	6.66	98.97
142	1607.14	2	SLE R	-72104.80	-1247.75	-611.81	0.00	78.54	6.57	97.67
143	1666.67	2	SLE R	-69755.90	-1106.87	-542.73	0.00	78.54	6.30	93.70
144	1666.67	2	SLE R	-68725.50	-1106.87	-542.73	0.00	78.54	6.22	92.44
145	1726.19	2	SLE R	-66341.90	-961.24	-471.32	0.00	78.54	5.94	88.40
146	1726.19	2	SLE R	-65354.90	-961.24	-471.32	0.00	78.54	5.86	87.20
147	1785.71	2	SLE R	-62936.20	-817.36	-400.77	0.00	78.54	5.58	83.12
148	1785.71	2	SLE R	-61992.60	-817.36	-400.77	0.00	78.54	5.51	81.97
149	1845.24	2	SLE R	-59538.60	-680.10	-333.47	0.00	78.54	5.23	77.91
150	1845.24	2	SLE R	-58638.20	-680.10	-333.47	0.00	78.54	5.15	76.81
151	1904.76	2	SLE R	-56148.50	-552.91	-271.11	0.00	78.54	4.88	72.78
152	1904.76	2	SLE R	-55291.20	-552.91	-271.11	0.00	78.54	4.81	71.73
153	1964.29	2	SLE R	-52765.50	-438.08	-214.81	0.00	78.54	4.54	67.76
154	1964.29	2	SLE R	-51951.30	-438.08	-214.81	0.00	78.54	4.47	66.77
155	2023.81	2	SLE R	-49389.30	-336.94	-165.21	0.00	78.54	4.21	62.85
156	2023.81	2	SLE R	-48617.90	-336.94	-165.21	0.00	78.54	4.14	61.91
157	2083.33	2	SLE R	-46019.30	-250.05	-122.61	0.00	78.54	3.88	58.06
158	2083.33	2	SLE R	-45290.80	-250.05	-122.61	0.00	78.54	3.82	57.17
159	2142.86	2	SLE R	-42655.10	-177.41	-86.99	0.00	78.54	3.57	53.39
160	2142.86	2	SLE R	-41969.30	-177.41	-86.99	0.00	78.54	3.51	52.56
161	2202.38	2	SLE R	-39296.40	-118.60	-58.15	0.00	78.54	3.26	48.84
162	2202.38	2	SLE R	-38653.30	-118.60	-58.15	0.00	78.54	3.21	48.05
163	2261.90	2	SLE R	-35942.60	-72.85	-35.72	0.00	78.54	2.96	44.39
164	2261.90	2	SLE R	-35342.10	-72.85	-35.72	0.00	78.54	2.91	43.66
165	2321.43	2	SLE R	-32593.50	-39.23	-19.23	0.00	78.54	2.67	40.05
166	2321.43	2	SLE R	-32035.40	-39.23	-19.23	0.00	78.54	2.63	39.37
167	2380.95	2	SLE R	-29248.40	-16.65	-8.16	0.00	78.54	2.39	35.79
168	2380.95	2	SLE R	-28732.70	-16.65	-8.16	0.00	78.54	2.34	35.16
169	2440.48	2	SLE R	-25907.10	-3.96	-1.94	0.00	78.54	2.11	31.62
170	2440.48	2	SLE R	-25433.70	-3.96	-1.94	0.00	78.54	2.07	31.04
171	2500.00	2	SLE R	-22569.00	0.00	0.00	0.00	78.54	1.83	27.52
172	2500.00	2	SLE R	-22138.00	0.00	0.00	0.00	78.54	1.80	26.99
173	0.00	4	SLE Q	-165514.00	35018.40	17170.50	21.99	56.55	34.33	487.77
174	0.00	4	SLE Q	-165514.00	35018.40	17170.50	21.99	56.55	34.33	487.77
175	59.52	4	SLE Q	-165189.00	36590.80	17941.50	21.99	56.55	35.52	503.77

176	59.52	4	SLE Q	-164464.00	36590.80	17941.50	21.99	56.55	35.48	503.26
177	119.05	4	SLE Q	-162386.00	36456.20	17875.60	21.99	56.55	35.29	500.37
178	119.05	4	SLE Q	-160703.00	36456.20	17875.60	25.13	53.41	35.23	499.23
179	178.57	4	SLE Q	-159112.00	35047.20	17184.70	21.99	56.55	34.06	483.17
180	178.57	4	SLE Q	-156962.00	35047.20	17184.70	21.99	56.55	33.96	481.63
181	238.09	4	SLE Q	-155368.00	32733.70	16050.30	18.85	59.69	32.12	456.48
182	238.09	4	SLE Q	-153241.00	32733.70	16050.30	21.99	56.55	32.02	454.78
183	297.62	4	SLE Q	-151618.00	29825.20	14624.20	18.85	59.69	29.82	424.65
184	297.62	4	SLE Q	-149540.00	29825.20	14624.20	18.85	59.69	29.70	422.75
185	357.14	4	SLE Q	-147888.00	26575.20	13030.60	12.57	65.97	27.38	391.00
186	357.14	4	SLE Q	-145858.00	26575.20	13030.60	15.71	62.83	27.25	388.90
187	416.67	4	SLE Q	-144176.00	23186.00	11368.80	6.28	72.26	24.99	357.85
188	416.67	4	SLE Q	-142194.00	23186.00	11368.80	6.28	72.26	24.84	355.57
189	476.19	4	SLE Q	-140483.00	19813.90	9715.35	0.00	78.54	22.73	326.45
190	476.19	4	SLE Q	-138548.00	19813.90	9715.35	0.00	78.54	22.57	324.10
191	535.71	4	SLE Q	-136808.00	16575.80	8127.60	0.00	78.54	20.58	296.61
192	535.71	4	SLE Q	-134920.00	16575.80	8127.60	0.00	78.54	20.43	294.31
193	595.24	4	SLE Q	-133150.00	13554.30	6646.05	0.00	78.54	18.56	268.49
194	595.24	4	SLE Q	-131309.00	13554.30	6646.05	0.00	78.54	18.41	266.25
195	654.76	4	SLE Q	-129509.00	10803.40	5297.24	0.00	78.54	16.69	242.51
196	654.76	4	SLE Q	-127714.00	10803.40	5297.24	0.00	78.54	16.55	240.32
197	714.29	4	SLE Q	-125884.00	8354.26	4096.34	0.00	78.54	15.00	218.91
198	714.29	4	SLE Q	-124136.00	8354.26	4096.34	0.00	78.54	14.86	216.78
199	773.81	4	SLE Q	-122275.00	6219.03	3049.37	0.00	78.54	13.49	197.79
200	773.81	4	SLE Q	-120574.00	6219.03	3049.37	0.00	78.54	13.35	195.71
201	833.33	4	SLE Q	-118682.00	4395.73	2155.36	0.00	78.54	12.16	179.13
202	833.33	4	SLE Q	-117027.00	4395.73	2155.36	0.00	78.54	12.02	177.11
203	892.86	4	SLE Q	-115104.00	2871.66	1408.06	0.00	78.54	10.99	162.83
204	892.86	4	SLE Q	-113494.00	2871.66	1408.06	0.00	78.54	10.86	160.87
205	952.38	4	SLE Q	-111541.00	1626.56	797.55	0.00	78.54	9.99	148.73
206	952.38	4	SLE Q	-109977.00	1626.56	797.55	0.00	78.54	9.87	146.83
207	1011.90	4	SLE Q	-107991.00	635.23	311.47	0.00	78.54	9.14	136.64
208	1011.90	4	SLE Q	-106473.00	635.23	311.47	0.00	78.54	9.02	134.79
209	1071.43	4	SLE Q	-104456.00	-130.29	-63.89	0.00	78.54	8.56	128.38
210	1071.43	4	SLE Q	-102982.00	-130.29	-63.89	0.00	78.54	8.45	126.58
211	1130.95	4	SLE Q	-100933.00	-699.09	-342.78	0.00	78.54	8.60	128.53
212	1130.95	4	SLE Q	-99505.00	-699.09	-342.78	0.00	78.54	8.49	126.78
213	1190.48	4	SLE Q	-97423.90	-1100.00	-539.36	0.00	78.54	8.55	127.38
214	1190.48	4	SLE Q	-96040.40	-1100.00	-539.36	0.00	78.54	8.43	125.69
215	1250.00	4	SLE Q	-93926.80	-1360.67	-667.17	0.00	78.54	8.41	125.15
216	1250.00	4	SLE Q	-92587.90	-1360.67	-667.17	0.00	78.54	8.30	123.52
217	1309.52	4	SLE Q	-90441.50	-1506.84	-738.85	0.00	78.54	8.21	122.05
218	1309.52	4	SLE Q	-89147.20	-1506.84	-738.85	0.00	78.54	8.11	120.47
219	1369.05	4	SLE Q	-86967.80	-1561.93	-765.86	0.00	78.54	7.96	118.24
220	1369.05	4	SLE Q	-85717.80	-1561.93	-765.86	0.00	78.54	7.86	116.72
221	1428.57	4	SLE Q	-83505.10	-1546.75	-758.42	0.00	78.54	7.67	113.90
222	1428.57	4	SLE Q	-82299.30	-1546.75	-758.42	0.00	78.54	7.57	112.43
223	1488.10	4	SLE Q	-80053.00	-1479.44	-725.41	0.00	78.54	7.35	109.17
224	1488.10	4	SLE Q	-78891.30	-1479.44	-725.41	0.00	78.54	7.26	107.75
225	1547.62	4	SLE Q	-76611.10	-1375.46	-674.43	0.00	78.54	7.01	104.16
226	1547.62	4	SLE Q	-75493.20	-1375.46	-674.43	0.00	78.54	6.92	102.80
227	1607.14	4	SLE Q	-73178.90	-1247.75	-611.81	0.00	78.54	6.66	98.97
228	1607.14	4	SLE Q	-72104.80	-1247.75	-611.81	0.00	78.54	6.57	97.67
229	1666.67	4	SLE Q	-69755.90	-1106.87	-542.73	0.00	78.54	6.30	93.70
230	1666.67	4	SLE Q	-68725.50	-1106.87	-542.73	0.00	78.54	6.22	92.44
231	1726.19	4	SLE Q	-66341.90	-961.24	-471.32	0.00	78.54	5.94	88.40
232	1726.19	4	SLE Q	-65354.90	-961.24	-471.32	0.00	78.54	5.86	87.20
233	1785.71	4	SLE Q	-62936.20	-817.36	-400.77	0.00	78.54	5.58	83.12
234	1785.71	4	SLE Q	-61992.60	-817.36	-400.77	0.00	78.54	5.51	81.97
235	1845.24	4	SLE Q	-59538.60	-680.10	-333.47	0.00	78.54	5.23	77.91
236	1845.24	4	SLE Q	-58638.20	-680.10	-333.47	0.00	78.54	5.15	76.81
237	1904.76	4	SLE Q	-56148.50	-552.91	-271.11	0.00	78.54	4.88	72.78
238	1904.76	4	SLE Q	-55291.20	-552.91	-271.11	0.00	78.54	4.81	71.73
239	1964.29	4	SLE Q	-52765.50	-438.08	-214.81	0.00	78.54	4.54	67.76
240	1964.29	4	SLE Q	-51951.30	-438.08	-214.81	0.00	78.54	4.47	66.77
241	2023.81	4	SLE Q	-49389.30	-336.94	-165.21	0.00	78.54	4.21	62.85
242	2023.81	4	SLE Q	-48617.90	-336.94	-165.21	0.00	78.54	4.14	61.91
243	2083.33	4	SLE Q	-46019.30	-250.05	-122.61	0.00	78.54	3.88	58.06
244	2083.33	4	SLE Q	-45290.80	-250.05	-122.61	0.00	78.54	3.82	57.17
245	2142.86	4	SLE Q	-42655.10	-177.41	-86.99	0.00	78.54	3.57	53.39
246	2142.86	4	SLE Q	-41969.30	-177.41	-86.99	0.00	78.54	3.51	52.56
247	2202.38	4	SLE Q	-39296.40	-118.60	-58.15	0.00	78.54	3.26	48.84
248	2202.38	4	SLE Q	-38653.30	-118.60	-58.15	0.00	78.54	3.21	48.05
249	2261.90	4	SLE Q	-35942.60	-72.85	-35.72	0.00	78.54	2.96	44.39
250	2261.90	4	SLE Q	-35342.10	-72.85	-35.72	0.00	78.54	2.91	43.66
251	2321.43	4	SLE Q	-32593.50	-39.23	-19.23	0.00	78.54	2.67	40.05

252	2321.43	4	SLE Q	-32035.40	-39.23	-19.23	0.00	78.54	2.63	39.37
253	2380.95	4	SLE Q	-29248.40	-16.65	-8.16	0.00	78.54	2.39	35.79
254	2380.95	4	SLE Q	-28732.70	-16.65	-8.16	0.00	78.54	2.34	35.16
255	2440.48	4	SLE Q	-25907.10	-3.96	-1.94	0.00	78.54	2.11	31.62
256	2440.48	4	SLE Q	-25433.70	-3.96	-1.94	0.00	78.54	2.07	31.04
257	2500.00	4	SLE Q	-22569.00	0.00	0.00	0.00	78.54	1.83	27.52
258	2500.00	4	SLE Q	-22138.00	0.00	0.00	0.00	78.54	1.80	26.99

Stato limite d'esercizio - Verifiche a fessurazione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	c <mm>	s <mm>	K_2	Φ_{eq}	Δ_{sm} <mm>	A_s <cmq>	$A_{c\ eff}$ <cmq>	σ_s <daN/cmq>	ε_{sm}	Wk <mm>
173	0.00	4	SLE Q	-165514.00	17170.50	35018.40	46.00	136.36	0.50	20.00	191.17	6.28	311.55	96.15	0.03	0.01
174	0.00	4	SLE Q	-165514.00	17170.50	35018.40	46.00	136.36	0.50	20.00	191.17	6.28	311.55	96.15	0.03	0.01
175	59.52	4	SLE Q	-165189.00	17941.50	36590.80	46.00	136.36	0.50	20.00	169.72	9.42	366.25	117.88	0.03	0.01
176	59.52	4	SLE Q	-164464.00	17941.50	36590.80	46.00	136.36	0.50	20.00	170.86	9.42	371.61	119.60	0.03	0.01
177	119.05	4	SLE Q	-162386.00	17875.60	36456.20	46.00	136.36	0.50	20.00	173.21	9.42	382.68	122.70	0.04	0.01
178	119.05	4	SLE Q	-160703.00	17875.60	36456.20	46.00	136.36	0.50	20.00	175.94	9.42	395.56	126.84	0.04	0.01
179	178.57	4	SLE Q	-159112.00	17184.70	35047.20	46.00	136.36	0.50	20.00	168.27	9.42	359.43	110.81	0.03	0.01
180	178.57	4	SLE Q	-156962.00	17184.70	35047.20	46.00	136.36	0.50	20.00	171.79	9.42	376.00	115.90	0.03	0.01
181	238.09	4	SLE Q	-155368.00	16050.30	32733.70	46.00	136.36	0.50	20.00	189.61	6.28	306.65	88.48	0.03	0.01
182	238.09	4	SLE Q	-153241.00	16050.30	32733.70	46.00	136.36	0.50	20.00	194.74	6.28	322.77	93.06	0.03	0.01
183	297.62	4	SLE Q	-151618.00	14624.20	29825.20	46.00	136.36	0.50	20.00	165.09	6.28	229.60	60.75	0.02	0.00
184	297.62	4	SLE Q	-149540.00	14624.20	29825.20	46.00	136.36	0.50	20.00	169.88	6.28	244.65	64.64	0.02	0.01
259	0.00	3	SLE F	-165514.00	17170.50	35018.40	46.00	136.36	0.50	20.00	191.17	6.28	311.55	96.15	0.03	0.01
260	0.00	3	SLE F	-165514.00	17170.50	35018.40	46.00	136.36	0.50	20.00	191.17	6.28	311.55	96.15	0.03	0.01
261	59.52	3	SLE F	-165189.00	17941.50	36590.80	46.00	136.36	0.50	20.00	169.72	9.42	366.25	117.88	0.03	0.01
262	59.52	3	SLE F	-164464.00	17941.50	36590.80	46.00	136.36	0.50	20.00	170.86	9.42	371.61	119.60	0.03	0.01
263	119.05	3	SLE F	-162386.00	17875.60	36456.20	46.00	136.36	0.50	20.00	173.21	9.42	382.68	122.70	0.04	0.01
264	119.05	3	SLE F	-160703.00	17875.60	36456.20	46.00	136.36	0.50	20.00	175.94	9.42	395.56	126.84	0.04	0.01
265	178.57	3	SLE F	-159112.00	17184.70	35047.20	46.00	136.36	0.50	20.00	168.27	9.42	359.43	110.81	0.03	0.01
266	178.57	3	SLE F	-156962.00	17184.70	35047.20	46.00	136.36	0.50	20.00	171.79	9.42	376.00	115.90	0.03	0.01
267	238.09	3	SLE F	-155368.00	16050.30	32733.70	46.00	136.36	0.50	20.00	189.61	6.28	306.65	88.48	0.03	0.01
268	238.09	3	SLE F	-153241.00	16050.30	32733.70	46.00	136.36	0.50	20.00	194.74	6.28	322.77	93.06	0.03	0.01
269	297.62	3	SLE F	-151618.00	14624.20	29825.20	46.00	136.36	0.50	20.00	165.09	6.28	229.60	60.75	0.02	0.00
270	297.62	3	SLE F	-149540.00	14624.20	29825.20	46.00	136.36	0.50	20.00	169.88	6.28	244.65	64.64	0.02	0.01

Verifiche principali

Caso	Tipo
6	SLU N cost - min. sic.
15	SLU Taglio - min. sic. c.a.,SLU Taglio - min. sic. acciaio
89	C.Rare - Sc min (max compr.),C.Rare - Sf min (max compr.)
92	C.Rare - Sf max (max traz.)
103	C.Rare - Sc max (min. compr.)
175	C.Q.Per. - Sc min (max compr.),C.Q.Per. - Sf min (max compr.)
178	C.Q.Per. - Sf max (max traz.),C.Q.Per. - Wk Max
189	C.Q.Per. - Sc max (min. compr.)
264	C.Freq - Wk Max

Palo n. 20

Caratteristiche del palo e dei materiali utilizzati

R <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
60.00	6.00	C30/37	307.10	20.59	174.02	13.73	B450C	4300.00	3913.04

Le sollecitazioni nei pali vengono calcolate oltre che per l'effetto delle reazioni vincolari anche considerando i seguenti effetti

Azioni ed effetti comuni

Az	N <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
PP	0.00	0.00	0.00	
SVR	0.00			

Azioni ed effetti - Plinto/Palo n. 20 (-154)

Caso	CC	TCC	Az	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	RVN	264502.00	6082.49	-1083.91	5548.67	-49834.60
	1	SLU	TAG				0.00	0.00
	1	SLU	ECC				0.00	0.00
	1	SLU	TOT	264502.00	6082.49	-1083.91	5548.67	-49834.60
2	2	SLE R	RVN	195928.00	4505.55	-802.90	4110.13	-36914.50
	2	SLE R	TAG				0.00	0.00
	2	SLE R	ECC				0.00	0.00
	2	SLE R	TOT	195928.00	4505.55	-802.90	4110.13	-36914.50
3	3	SLE F	RVN	195928.00	4505.55	-802.90	4110.13	-36914.50
	3	SLE F	TAG				0.00	0.00
	3	SLE F	ECC				0.00	0.00

	3	SLE F	TOT	195928.00	4505.55	-802.90	4110.13	-36914.50
4	4	SLE Q	RVN	195928.00	4505.55	-802.90	4110.13	-36914.50
	4	SLE Q	TAG				0.00	0.00
	4	SLE Q	ECC				0.00	0.00
	4	SLE Q	TOT	195928.00	4505.55	-802.90	4110.13	-36914.50

Sollecitazioni nei pali

Caso	CC	TCC	Palo	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	1	-264502.00	-6082.49	1083.91	-5548.67	49834.60
2	2	SLE R	1	-195928.00	-4505.55	802.90	-4110.13	36914.50
3	3	SLE F	1	-195928.00	-4505.55	802.90	-4110.13	36914.50
4	4	SLE Q	1	-195928.00	-4505.55	802.90	-4110.13	36914.50

Da 0 a -25

Stato limite ultimo - Verifiche a flessione/pressoflessione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	Rott.	α <grad>	Sic.
1	0.00	1	SLU	-264502.00	5491.51	49321.10	-264502.00	26932.30	243901.00	2-3	96.25	4.945
2	0.00	1	SLU	-264502.00	5491.51	49321.10	-264502.00	26932.30	243901.00	2-3	96.25	4.945
3	59.52	1	SLU	-264178.00	5739.33	51546.90	-264178.00	26927.90	243800.00	2-3	96.25	4.729
4	59.52	1	SLU	-262629.00	5739.33	51546.90	-262629.00	26908.00	243316.00	2-3	96.25	4.720
5	119.05	1	SLU	-261375.00	5719.12	51365.40	-261375.00	26855.30	242913.00	2-3	96.25	4.729
6	119.05	1	SLU	-257200.00	5719.12	51365.40	-257200.00	26677.20	241571.00	2-3	96.25	4.703
7	178.57	1	SLU	-258101.00	5498.75	49386.20	-258101.00	26715.60	241861.00	2-3	96.25	4.897
8	178.57	1	SLU	-251772.00	5498.75	49386.20	-251772.00	26444.20	239818.00	2-3	96.25	4.855
9	238.09	1	SLU	-254356.00	5136.28	46130.70	-254356.00	26556.10	240656.00	2-3	96.25	5.216
10	238.09	1	SLU	-246343.00	5136.28	46130.70	-246343.00	26234.80	238042.00	2-3	96.25	5.160
11	297.62	1	SLU	-250141.00	4680.33	42035.70	-250141.00	26378.70	239286.00	2-3	96.25	5.692
12	297.62	1	SLU	-240914.00	4680.33	42035.70	-240914.00	26027.30	236254.00	2-3	96.25	5.620
13	357.14	1	SLU	-245456.00	4170.67	37458.30	-245456.00	26201.10	237751.00	2-3	96.25	6.346
14	357.14	1	SLU	-235486.00	4170.67	37458.30	-235486.00	25818.70	234458.00	2-3	96.25	6.258
15	416.67	1	SLU	-240299.00	3639.06	32683.60	-240299.00	26003.60	236050.00	2-3	96.25	7.221
16	416.67	1	SLU	-230058.00	3639.06	32683.60	-230058.00	25607.60	232649.00	2-3	96.25	7.117
17	476.19	1	SLU	-234672.00	3110.06	27932.50	-234672.00	25787.40	234188.00	2-3	96.25	8.383
18	476.19	1	SLU	-224630.00	3110.06	27932.50	-224630.00	25395.90	230836.00	2-3	96.25	8.263
19	535.71	1	SLU	-228575.00	2602.01	23369.60	-228575.00	25549.70	232154.00	2-3	96.25	9.933
20	535.71	1	SLU	-219203.00	2602.01	23369.60	-219203.00	25180.90	229008.00	2-3	96.25	9.798
21	595.24	1	SLU	-222328.00	2127.90	19111.40	-2571250.00	25304.80	230062.00	2-3	96.25	11.565
22	595.24	1	SLU	-213775.00	2127.90	19111.40	-213775.00	24965.40	227176.00	2-3	96.25	11.885
23	654.76	1	SLU	-216110.00	1696.22	15234.40	-2571250.00	25058.50	227966.00	2-3	96.25	11.898
24	654.76	1	SLU	-208348.00	1696.22	15234.40	-2571250.00	24746.90	225331.00	2-3	96.25	12.341
25	714.29	1	SLU	-209920.00	1311.85	11782.20	-2571250.00	24810.20	225865.00	2-3	96.25	12.249
26	714.29	1	SLU	-202921.00	1311.85	11782.20	-2571250.00	24527.40	223480.00	2-3	96.25	12.671
27	773.81	1	SLU	-203756.00	976.72	8772.29	-2571250.00	24561.50	223766.00	2-3	96.25	12.619
28	773.81	1	SLU	-197495.00	976.72	8772.29	-2571250.00	24305.50	221618.00	2-3	96.25	13.019
29	833.33	1	SLU	-197618.00	690.53	6201.90	-2571250.00	24310.50	221660.00	2-3	96.25	13.011
30	833.33	1	SLU	-192069.00	690.53	6201.90	-2571250.00	24082.10	219749.00	2-3	96.25	13.387
31	892.86	1	SLU	-191505.00	451.29	4053.17	-2571250.00	24058.70	219554.00	2-3	96.25	13.427
32	892.86	1	SLU	-186643.00	451.29	4053.17	-2571250.00	23856.90	217871.00	2-3	96.25	13.776
33	952.38	1	SLU	-185416.00	255.82	2297.58	-2571250.00	23806.10	217447.00	2-3	96.25	13.867
34	952.38	1	SLU	-181217.00	255.82	2297.58	-2571250.00	23629.80	215985.00	2-3	96.25	14.189
35	1011.90	1	SLU	-179351.00	100.17	899.67	-2571250.00	23551.20	215334.00	2-3	96.25	14.336
36	1011.90	1	SLU	-175792.00	100.17	899.67	-2571250.00	23401.50	214091.00	2-3	96.25	14.627
37	1071.43	1	SLU	-173309.00	-20.04	-179.97	-2571250.00	-23808.40	-213587.00	2-3	276.25	14.836
38	1071.43	1	SLU	-170367.00	-20.04	-179.97	-2571250.00	-23683.50	-212532.00	2-3	276.25	15.092
39	1130.95	1	SLU	-167288.00	-109.37	-982.30	-2571250.00	-23552.50	-211426.00	2-3	276.25	15.370
40	1130.95	1	SLU	-164943.00	-109.37	-982.30	-2571250.00	-23452.90	-210583.00	2-3	276.25	15.589
41	1190.48	1	SLU	-161289.00	-172.35	-1547.95	-2571250.00	-23295.90	-209263.00	2-3	276.25	15.942
42	1190.48	1	SLU	-159519.00	-172.35	-1547.95	-2571250.00	-23219.60	-208622.00	2-3	276.25	16.119
43	1250.00	1	SLU	-155310.00	-213.32	-1915.87	-2571250.00	-23038.20	-207096.00	2-3	276.25	16.555
44	1250.00	1	SLU	-154096.00	-213.32	-1915.87	-2571250.00	-22985.50	-206654.00	2-3	276.25	16.686
45	1309.52	1	SLU	-149351.00	-236.31	-2122.36	-2571250.00	-22778.10	-204921.00	2-3	276.25	17.216
46	1309.52	1	SLU	-148673.00	-236.31	-2122.36	-2571250.00	-22748.50	-204673.00	2-3	276.25	17.295
47	1369.05	1	SLU	-143412.00	-245.00	-2200.40	-2571250.00	-22517.40	-202743.00	2-3	276.25	17.929
48	1369.05	1	SLU	-143250.00	-245.00	-2200.40	-2571250.00	-22510.30	-202684.00	2-3	276.25	17.949
49	1428.57	1	SLU	-137490.00	-242.65	-2179.34	-2571250.00	-22234.60	-200555.00	2-3	276.25	18.701
50	1428.57	1	SLU	-137828.00	-242.65	-2179.34	-2571250.00	-22251.70	-200681.00	2-3	276.25	18.655
51	1488.10	1	SLU	-131585.00	-232.12	-2084.74	-2571250.00	-21933.30	-198357.00	2-3	276.25	19.541
52	1488.10	1	SLU	-132407.00	-232.12	-2084.74	-2571250.00	-21975.30	-198663.00	2-3	276.25	19.419
53	1547.62	1	SLU	-125698.00	-215.83	-1938.41	-2571250.00	-21631.40	-196157.00	2-3	276.25	20.456
54	1547.62	1	SLU	-126986.00	-215.83	-1938.41	-2571250.00	-21698.10	-196640.00	2-3	276.25	20.248
55	1607.14	1	SLU	-119826.00	-195.80	-1758.58	-2571250.00	-21326.20	-193949.00	2-3	276.25	21.458
56	1607.14	1	SLU	-121566.00	-195.80	-1758.58	-2571250.00	-21416.50	-194603.00	2-3	276.25	21.151

57	1666.67	1	SLU	-113970.00	-173.71	-1560.14	-2571250.00	-21019.60	-191738.00	2-3	276.25	22.561
58	1666.67	1	SLU	-116146.00	-173.71	-1560.14	-2571250.00	-21134.50	-192562.00	2-3	276.25	22.138
59	1726.19	1	SLU	-108128.00	-150.86	-1354.97	-2571250.00	-20712.10	-189524.00	2-3	276.25	23.780
60	1726.19	1	SLU	-110727.00	-150.86	-1354.97	-2571250.00	-20848.80	-190509.00	2-3	276.25	23.221
61	1785.71	1	SLU	-102300.00	-128.29	-1152.24	-2571250.00	-20426.50	-187289.00	2-3	276.25	25.134
62	1785.71	1	SLU	-105308.00	-128.29	-1152.24	-2571250.00	-20569.20	-188446.00	2-3	276.25	24.416
63	1845.24	1	SLU	-96484.30	-106.76	-958.81	-2571250.00	-20150.20	-185049.00	2-3	276.25	26.649
64	1845.24	1	SLU	-99890.40	-106.76	-958.81	-2571250.00	-20312.30	-186363.00	2-3	276.25	25.741
65	1904.76	1	SLU	-90681.30	-86.80	-779.55	-2571250.00	-19872.30	-182802.00	2-3	276.25	28.355
66	1904.76	1	SLU	-94473.10	-86.80	-779.55	-2571250.00	-20053.80	-184271.00	2-3	276.25	27.217
67	1964.29	1	SLU	-84889.80	-68.78	-617.70	-2571250.00	-19593.70	-180552.00	2-3	276.25	30.289
68	1964.29	1	SLU	-89056.50	-68.78	-617.70	-2571250.00	-19794.50	-182173.00	2-3	276.25	28.872
69	2023.81	1	SLU	-79109.10	-52.90	-475.11	-2571250.00	-19314.50	-178298.00	2-3	276.25	32.502
70	2023.81	1	SLU	-83640.60	-52.90	-475.11	-2571250.00	-19533.30	-180065.00	2-3	276.25	30.742
71	2083.33	1	SLU	-73338.50	-39.26	-352.62	-2571250.00	-19033.80	-176038.00	2-3	276.25	35.060
72	2083.33	1	SLU	-78225.40	-39.26	-352.62	-2571250.00	-19271.90	-177953.00	2-3	276.25	32.870
73	2142.86	1	SLU	-67577.10	-27.86	-250.21	-2571250.00	-18753.20	-173776.00	2-3	276.25	38.049
74	2142.86	1	SLU	-72810.90	-27.86	-250.21	-2571250.00	-19008.10	-175831.00	2-3	276.25	35.314
75	2202.38	1	SLU	-61824.30	-18.62	-167.27	-2571250.00	-18470.90	-171506.00	2-3	276.25	41.590
76	2202.38	1	SLU	-67397.20	-18.62	-167.27	-2571250.00	-18744.30	-173705.00	2-3	276.25	38.151
77	2261.90	1	SLU	-56079.40	-11.44	-102.76	-2571250.00	-18188.50	-169234.00	2-3	276.25	45.850
78	2261.90	1	SLU	-61984.20	-11.44	-102.76	-2571250.00	-18478.70	-171569.00	2-3	276.25	41.482
79	2321.43	1	SLU	-50341.60	-6.16	-55.34	-2571250.00	-17905.20	-166957.00	2-3	276.25	51.076
80	2321.43	1	SLU	-56572.00	-6.16	-55.34	-2571250.00	-18212.80	-169430.00	2-3	276.25	45.451
81	2380.95	1	SLU	-44610.20	-2.62	-23.49	-2571250.00	-17621.30	-164676.00	2-3	276.25	57.638
82	2380.95	1	SLU	-51160.60	-2.62	-23.49	-2571250.00	-17945.60	-167282.00	2-3	276.25	50.258
83	2440.48	1	SLU	-38884.50	-0.62	-5.59	-2571250.00	-17337.20	-162391.00	2-3	276.25	66.125
84	2440.48	1	SLU	-45750.10	-0.62	-5.59	-2571250.00	-17678.00	-165130.00	2-3	276.25	56.202
85	2500.00	1	SLU	-33163.60	0.00	0.00	-2571250.00					77.532
86	2500.00	1	SLU	-40340.40	0.00	0.00	-2571250.00					63.739

Stato limite ultimo – Verifiche a taglio

Caso	X <cm>	CC	TCC	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1	0.00	1	SLU	6082.49	-1083.91	0.85	11.31	6178.31	1.00	32294.70	369555.00	32294.70	5.227
2	0.00	1	SLU	6082.49	-1083.91	0.85	11.31	6178.31	1.00	32294.70	369555.00	32294.70	5.227
3	59.52	1	SLU	1519.54	-270.79	0.85	11.31	1543.47	1.00	32294.70	369509.00	32294.70	20.923
4	59.52	1	SLU	1519.54	-270.79	0.85	11.31	1543.47	1.00	32294.70	369287.00	32294.70	20.923
5	119.05	1	SLU	-1954.68	348.33	0.85	11.31	1985.48	1.00	32294.70	369107.00	32294.70	16.265
6	119.05	1	SLU	-1954.68	348.33	0.85	11.31	1985.48	1.00	32294.70	368509.00	32294.70	16.265
7	178.57	1	SLU	-4488.29	799.82	0.85	11.31	4558.99	1.00	32294.70	368638.00	32294.70	7.084
8	178.57	1	SLU	-4488.29	799.82	0.85	11.31	4558.99	1.00	32294.70	367732.00	32294.70	7.084
9	238.09	1	SLU	-6226.03	1109.49	0.85	11.31	6324.12	1.00	32294.70	368102.00	32294.70	5.107
10	238.09	1	SLU	-6226.03	1109.49	0.85	11.31	6324.12	1.00	32294.70	366954.00	32294.70	5.107
11	297.62	1	SLU	-7304.96	1301.76	0.85	11.31	7420.04	1.00	32294.70	367498.00	32294.70	4.352
12	297.62	1	SLU	-7304.96	1301.76	0.85	11.31	7420.04	1.00	32294.70	366177.00	32294.70	4.352
13	357.14	1	SLU	-7851.43	1399.14	0.85	11.31	7975.12	1.00	32294.70	366827.00	32294.70	4.049
14	357.14	1	SLU	-7851.43	1399.14	0.85	11.31	7975.12	1.00	32294.70	365399.00	32294.70	4.049
15	416.67	1	SLU	-7979.23	1421.92	0.85	11.31	8104.94	1.00	32294.70	366088.00	32294.70	3.985
16	416.67	1	SLU	-7979.23	1421.92	0.85	11.31	8104.94	1.00	32294.70	364621.00	32294.70	3.985
17	476.19	1	SLU	-7788.68	1387.96	0.85	11.31	7911.38	1.00	32294.70	365282.00	32294.70	4.082
18	476.19	1	SLU	-7788.68	1387.96	0.85	11.31	7911.38	1.00	32294.70	363844.00	32294.70	4.082
19	535.71	1	SLU	-7366.36	1312.70	0.85	11.31	7482.41	1.00	32294.70	364409.00	32294.70	4.316
20	535.71	1	SLU	-7366.36	1312.70	0.85	11.31	7482.41	1.00	32294.70	363067.00	32294.70	4.316
21	595.24	1	SLU	-6785.51	1209.19	0.85	11.31	6892.40	1.00	32294.70	363514.00	32294.70	4.686
22	595.24	1	SLU	-6785.51	1209.19	0.85	11.31	6892.40	1.00	32294.70	362289.00	32294.70	4.686
23	654.76	1	SLU	-6106.67	1088.22	0.85	11.31	6202.87	1.00	32294.70	362624.00	32294.70	5.206
24	654.76	1	SLU	-6106.67	1088.22	0.85	11.31	6202.87	1.00	32294.70	361512.00	32294.70	5.206
25	714.29	1	SLU	-5378.75	958.51	0.85	11.31	5463.49	1.00	32294.70	361737.00	32294.70	5.911
26	714.29	1	SLU	-5378.75	958.51	0.85	11.31	5463.49	1.00	32294.70	360734.00	32294.70	5.911
27	773.81	1	SLU	-4640.17	826.89	0.85	11.31	4713.27	1.00	32294.70	360854.00	32294.70	6.852
28	773.81	1	SLU	-4640.17	826.89	0.85	11.31	4713.27	1.00	32294.70	359957.00	32294.70	6.852
29	833.33	1	SLU	-3920.08	698.57	0.85	11.31	3981.84	1.00	32294.70	359975.00	32294.70	8.111
30	833.33	1	SLU	-3920.08	698.57	0.85	11.31	3981.84	1.00	32294.70	359180.00	32294.70	8.111
31	892.86	1	SLU	-3239.69	577.32	0.85	11.31	3290.73	1.00	32294.70	359099.00	32294.70	9.814
32	892.86	1	SLU	-3239.69	577.32	0.85	11.31	3290.73	1.00	32294.70	358403.00	32294.70	9.814
33	952.38	1	SLU	-2613.46	465.73	0.85	11.31	2654.64	1.00	32294.70	358227.00	32294.70	12.165
34	952.38	1	SLU	-2613.46	465.73	0.85	11.31	2654.64	1.00	32294.70	357626.00	32294.70	12.165
35	1011.90	1	SLU	-2050.28	365.37	0.85	11.31	2082.58	1.00	32294.70	357358.00	32294.70	15.507
36	1011.90	1	SLU	-2050.28	365.37	0.85	11.31	2082.58	1.00	32294.70	356848.00	32294.70	15.507
37	1071.43	1	SLU	-1554.56	277.03	0.85	11.31	1579.05	1.00	32294.70	356493.00	32294.70	20.452
38	1071.43	1	SLU	-1554.56	277.03	0.85	11.31	1579.05	1.00	32294.70	356071.00	32294.70	20.452
39	1130.95	1	SLU	-1127.18	200.87	0.85	11.31	1144.93	1.00	32294.70	355630.00	32294.70	28.207
40	1130.95	1	SLU	-1127.18	200.87	0.85	11.31	1144.93	1.00	32294.70	355294.00	32294.70	28.207
41	1190.48	1	SLU	-766.34	136.56	0.85	11.31	778.41	1.00	32294.70	354771.00	32294.70	41.488
42	1190.48	1	SLU	-766.34	136.56	0.85	11.31	778.41	1.00	32294.70	354518.00	32294.70	41.488
43	1250.00	1	SLU	-468.33	83.46	0.85	11.31	475.70	1.00	32294.70	353915.00	32294.70	67.888

44	1250.00	1	SLU	-468.33	83.46	0.85	11.31	475.70	1.00	32294.70	353741.00	32294.70	67.888
45	1309.52	1	SLU	-228.10	40.65	0.85	11.31	231.69	1.00	32294.70	353061.00	32294.70	>100
46	1309.52	1	SLU	-228.10	40.65	0.85	11.31	231.69	1.00	32294.70	352964.00	32294.70	>100
47	1369.05	1	SLU	-39.80	7.09	0.85	11.31	40.43	1.00	32294.70	352210.00	32294.70	>100
48	1369.05	1	SLU	-39.80	7.09	0.85	11.31	40.43	1.00	32294.70	352187.00	32294.70	>100
49	1428.57	1	SLU	102.80	-18.32	0.85	11.31	104.42	1.00	32294.70	351362.00	32294.70	>100
50	1428.57	1	SLU	102.80	-18.32	0.85	11.31	104.42	1.00	32294.70	351411.00	32294.70	>100
51	1488.10	1	SLU	206.02	-36.71	0.85	11.31	209.26	1.00	32294.70	350516.00	32294.70	>100
52	1488.10	1	SLU	206.02	-36.71	0.85	11.31	209.26	1.00	32294.70	350634.00	32294.70	>100
53	1547.62	1	SLU	275.97	-49.18	0.85	11.31	280.32	1.00	32294.70	349673.00	32294.70	>100
54	1547.62	1	SLU	275.97	-49.18	0.85	11.31	280.32	1.00	32294.70	349858.00	32294.70	>100
55	1607.14	1	SLU	318.45	-56.75	0.85	11.31	323.46	1.00	32294.70	348832.00	32294.70	99.840
56	1607.14	1	SLU	318.45	-56.75	0.85	11.31	323.46	1.00	32294.70	349081.00	32294.70	99.840
57	1666.67	1	SLU	338.75	-60.37	0.85	11.31	344.08	1.00	32294.70	347993.00	32294.70	93.858
58	1666.67	1	SLU	338.75	-60.37	0.85	11.31	344.08	1.00	32294.70	348305.00	32294.70	93.858
59	1726.19	1	SLU	341.62	-60.88	0.85	11.31	347.00	1.00	32294.70	347156.00	32294.70	93.068
60	1726.19	1	SLU	341.62	-60.88	0.85	11.31	347.00	1.00	32294.70	347529.00	32294.70	93.068
61	1785.71	1	SLU	331.25	-59.03	0.85	11.31	336.46	1.00	32294.70	346321.00	32294.70	95.983
62	1785.71	1	SLU	331.25	-59.03	0.85	11.31	336.46	1.00	32294.70	346752.00	32294.70	95.983
63	1845.24	1	SLU	311.21	-55.46	0.85	11.31	316.11	1.00	32294.70	345488.00	32294.70	>100
64	1845.24	1	SLU	311.21	-55.46	0.85	11.31	316.11	1.00	32294.70	345976.00	32294.70	>100
65	1904.76	1	SLU	284.53	-50.70	0.85	11.31	289.01	1.00	32294.70	344657.00	32294.70	>100
66	1904.76	1	SLU	284.53	-50.70	0.85	11.31	289.01	1.00	32294.70	345200.00	32294.70	>100
67	1964.29	1	SLU	253.68	-45.21	0.85	11.31	257.68	1.00	32294.70	343828.00	32294.70	>100
68	1964.29	1	SLU	253.68	-45.21	0.85	11.31	257.68	1.00	32294.70	344424.00	32294.70	>100
69	2023.81	1	SLU	220.67	-39.32	0.85	11.31	224.15	1.00	32294.70	343000.00	32294.70	>100
70	2023.81	1	SLU	220.67	-39.32	0.85	11.31	224.15	1.00	32294.70	343649.00	32294.70	>100
71	2083.33	1	SLU	187.04	-33.33	0.85	11.31	189.99	1.00	32294.70	342173.00	32294.70	>100
72	2083.33	1	SLU	187.04	-33.33	0.85	11.31	189.99	1.00	32294.70	342873.00	32294.70	>100
73	2142.86	1	SLU	153.99	-27.44	0.85	11.31	156.41	1.00	32294.70	341348.00	32294.70	>100
74	2142.86	1	SLU	153.99	-27.44	0.85	11.31	156.41	1.00	32294.70	342097.00	32294.70	>100
75	2202.38	1	SLU	122.35	-21.80	0.85	11.31	124.28	1.00	32294.70	340524.00	32294.70	>100
76	2202.38	1	SLU	122.35	-21.80	0.85	11.31	124.28	1.00	32294.70	341322.00	32294.70	>100
77	2261.90	1	SLU	92.74	-16.53	0.85	11.31	94.20	1.00	32294.70	339701.00	32294.70	>100
78	2261.90	1	SLU	92.74	-16.53	0.85	11.31	94.20	1.00	32294.70	340547.00	32294.70	>100
79	2321.43	1	SLU	65.53	-11.68	0.85	11.31	66.56	1.00	32294.70	338879.00	32294.70	>100
80	2321.43	1	SLU	65.53	-11.68	0.85	11.31	66.56	1.00	32294.70	339771.00	32294.70	>100
81	2380.95	1	SLU	40.94	-7.29	0.85	11.31	41.58	1.00	32294.70	338058.00	32294.70	>100
82	2380.95	1	SLU	40.94	-7.29	0.85	11.31	41.58	1.00	32294.70	338996.00	32294.70	>100
83	2440.48	1	SLU	19.08	-3.40	0.85	11.31	19.38	1.00	32294.70	337238.00	32294.70	>100
84	2440.48	1	SLU	19.08	-3.40	0.85	11.31	19.38	1.00	32294.70	338221.00	32294.70	>100

Verifiche stato limite d'esercizio

Caso	X <cm>	CC	TCC	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ_C <daN/cmq>	σ_f <daN/cmq>
87	0.00	2	SLE R	-195928.00	36534.20	4067.78	9.42	69.11	34.95	497.54
88	0.00	2	SLE R	-195928.00	36534.20	4067.78	9.42	69.11	34.95	497.54
89	59.52	2	SLE R	-195603.00	38182.90	4251.36	15.71	62.83	35.87	509.99
90	59.52	2	SLE R	-194518.00	38182.90	4251.36	15.71	62.83	35.80	508.83
91	119.05	2	SLE R	-192800.00	38048.40	4236.38	15.71	62.83	35.60	505.95
92	119.05	2	SLE R	-190041.00	38048.40	4236.38	15.71	62.83	35.41	503.06
93	178.57	2	SLE R	-189526.00	36582.40	4073.15	12.57	65.97	34.52	490.89
94	178.57	2	SLE R	-185588.00	36582.40	4073.15	15.71	62.83	34.24	486.68
95	238.09	2	SLE R	-185782.00	34170.90	3804.65	9.42	69.11	32.87	468.18
96	238.09	2	SLE R	-181158.00	34170.90	3804.65	9.42	69.11	32.54	463.03
97	297.62	2	SLE R	-181567.00	31137.50	3466.91	0.00	78.54	30.89	440.81
98	297.62	2	SLE R	-176751.00	31137.50	3466.91	3.14	75.40	30.52	435.16
99	357.14	2	SLE R	-177064.00	27746.90	3089.39	0.00	78.54	28.75	411.20
100	357.14	2	SLE R	-172367.00	27746.90	3089.39	0.00	78.54	28.37	405.49
101	416.67	2	SLE R	-172584.00	24210.10	2695.60	0.00	78.54	26.56	380.85
102	416.67	2	SLE R	-168005.00	24210.10	2695.60	0.00	78.54	26.19	375.26
103	476.19	2	SLE R	-168126.00	20690.80	2303.75	0.00	78.54	24.38	350.63
104	476.19	2	SLE R	-163664.00	20690.80	2303.75	0.00	78.54	24.01	345.20
105	535.71	2	SLE R	-163689.00	17310.80	1927.42	0.00	78.54	22.27	321.43
106	535.71	2	SLE R	-159344.00	17310.80	1927.42	0.00	78.54	21.91	316.13
107	595.24	2	SLE R	-159272.00	14156.60	1576.22	0.00	78.54	20.27	293.85
108	595.24	2	SLE R	-155044.00	14156.60	1576.22	0.00	78.54	19.93	288.69
109	654.76	2	SLE R	-154877.00	11284.70	1256.46	0.00	78.54	18.43	268.27
110	654.76	2	SLE R	-150764.00	11284.70	1256.46	0.00	78.54	18.10	263.25
111	714.29	2	SLE R	-150500.00	8727.54	971.74	0.00	78.54	16.75	244.93
112	714.29	2	SLE R	-146503.00	8727.54	971.74	0.00	78.54	16.43	240.06
113	773.81	2	SLE R	-146143.00	6498.00	723.50	0.00	78.54	15.24	223.93
114	773.81	2	SLE R	-142260.00	6498.00	723.50	0.00	78.54	14.93	219.19
115	833.33	2	SLE R	-141804.00	4594.00	511.50	0.00	78.54	13.90	205.23
116	833.33	2	SLE R	-138036.00	4594.00	511.50	0.00	78.54	13.60	200.64
117	892.86	2	SLE R	-137484.00	3002.35	334.29	0.00	78.54	12.73	188.76
118	892.86	2	SLE R	-133829.00	3002.35	334.29	0.00	78.54	12.43	184.30

119	952.38	2	SLE R	-133181.00	1701.91	189.49	0.00	78.54	11.71	174.36
120	952.38	2	SLE R	-129639.00	1701.91	189.49	0.00	78.54	11.42	170.04
121	1011.90	2	SLE R	-128894.00	666.42	74.20	0.00	78.54	10.82	161.84
122	1011.90	2	SLE R	-125465.00	666.42	74.20	0.00	78.54	10.54	157.66
123	1071.43	2	SLE R	-124624.00	-133.31	-14.84	0.00	78.54	10.20	152.89
124	1071.43	2	SLE R	-121308.00	-133.31	-14.84	0.00	78.54	9.93	148.85
125	1130.95	2	SLE R	-120370.00	-727.63	-81.02	0.00	78.54	10.16	151.91
126	1130.95	2	SLE R	-117166.00	-727.63	-81.02	0.00	78.54	9.90	148.01
127	1190.48	2	SLE R	-116132.00	-1146.63	-127.67	0.00	78.54	10.03	149.71
128	1190.48	2	SLE R	-113038.00	-1146.63	-127.67	0.00	78.54	9.78	145.94
129	1250.00	2	SLE R	-111908.00	-1419.16	-158.01	0.00	78.54	9.83	146.49
130	1250.00	2	SLE R	-108925.00	-1419.16	-158.01	0.00	78.54	9.59	142.86
131	1309.52	2	SLE R	-107698.00	-1572.12	-175.04	0.00	78.54	9.57	142.44
132	1309.52	2	SLE R	-104826.00	-1572.12	-175.04	0.00	78.54	9.33	138.94
133	1369.05	2	SLE R	-103502.00	-1629.93	-181.48	0.00	78.54	9.26	137.74
134	1369.05	2	SLE R	-100741.00	-1629.93	-181.48	0.00	78.54	9.03	134.37
135	1428.57	2	SLE R	-99318.60	-1614.33	-179.74	0.00	78.54	8.91	132.53
136	1428.57	2	SLE R	-96667.50	-1614.33	-179.74	0.00	78.54	8.69	129.29
137	1488.10	2	SLE R	-95148.10	-1544.25	-171.94	0.00	78.54	8.53	126.94
138	1488.10	2	SLE R	-92606.80	-1544.25	-171.94	0.00	78.54	8.33	123.85
139	1547.62	2	SLE R	-90989.80	-1435.86	-159.87	0.00	78.54	8.14	121.11
140	1547.62	2	SLE R	-88557.90	-1435.86	-159.87	0.00	78.54	7.94	118.14
141	1607.14	2	SLE R	-86843.00	-1302.65	-145.04	0.00	78.54	7.73	115.11
142	1607.14	2	SLE R	-84520.10	-1302.65	-145.04	0.00	78.54	7.54	112.28
143	1666.67	2	SLE R	-82707.30	-1155.66	-128.67	0.00	78.54	7.32	109.03
144	1666.67	2	SLE R	-80493.20	-1155.66	-128.67	0.00	78.54	7.14	106.33
145	1726.19	2	SLE R	-78582.00	-1003.68	-111.75	0.00	78.54	6.91	102.92
146	1726.19	2	SLE R	-76476.40	-1003.68	-111.75	0.00	78.54	6.74	100.35
147	1785.71	2	SLE R	-74466.70	-853.51	-95.03	0.00	78.54	6.49	96.84
148	1785.71	2	SLE R	-72469.30	-853.51	-95.03	0.00	78.54	6.33	94.40
149	1845.24	2	SLE R	-70360.90	-710.23	-79.08	0.00	78.54	6.09	90.82
150	1845.24	2	SLE R	-68471.50	-710.23	-79.08	0.00	78.54	5.93	88.51
151	1904.76	2	SLE R	-66264.00	-577.45	-64.29	0.00	78.54	5.69	84.88
152	1904.76	2	SLE R	-64482.30	-577.45	-64.29	0.00	78.54	5.54	82.71
153	1964.29	2	SLE R	-62175.50	-457.55	-50.94	0.00	78.54	5.29	79.05
154	1964.29	2	SLE R	-60501.30	-457.55	-50.94	0.00	78.54	5.15	77.01
155	2023.81	2	SLE R	-58095.00	-351.94	-39.19	0.00	78.54	4.90	73.32
156	2023.81	2	SLE R	-56528.00	-351.94	-39.19	0.00	78.54	4.78	71.41
157	2083.33	2	SLE R	-54021.80	-261.20	-29.08	0.00	78.54	4.53	67.72
158	2083.33	2	SLE R	-52561.90	-261.20	-29.08	0.00	78.54	4.41	65.94
159	2142.86	2	SLE R	-49955.40	-185.34	-20.64	0.00	78.54	4.16	62.22
160	2142.86	2	SLE R	-48602.50	-185.34	-20.64	0.00	78.54	4.05	60.57
161	2202.38	2	SLE R	-45895.40	-123.91	-13.80	0.00	78.54	3.79	56.84
162	2202.38	2	SLE R	-44649.20	-123.91	-13.80	0.00	78.54	3.69	55.32
163	2261.90	2	SLE R	-41841.20	-76.12	-8.48	0.00	78.54	3.44	51.55
164	2261.90	2	SLE R	-40701.60	-76.12	-8.48	0.00	78.54	3.35	50.16
165	2321.43	2	SLE R	-37792.30	-40.99	-4.56	0.00	78.54	3.09	46.37
166	2321.43	2	SLE R	-36759.20	-40.99	-4.56	0.00	78.54	3.01	45.11
167	2380.95	2	SLE R	-33748.30	-17.40	-1.94	0.00	78.54	2.75	41.27
168	2380.95	2	SLE R	-32821.40	-17.40	-1.94	0.00	78.54	2.68	40.14
169	2440.48	2	SLE R	-29708.50	-4.14	-0.46	0.00	78.54	2.42	36.25
170	2440.48	2	SLE R	-28887.80	-4.14	-0.46	0.00	78.54	2.35	35.25
171	2500.00	2	SLE R	-25672.50	0.00	0.00	0.00	78.54	2.09	31.30
172	2500.00	2	SLE R	-24957.90	0.00	0.00	0.00	78.54	2.03	30.43
173	0.00	4	SLE Q	-195928.00	36534.20	4067.78	9.42	69.11	34.95	497.54
174	0.00	4	SLE Q	-195928.00	36534.20	4067.78	9.42	69.11	34.95	497.54
175	59.52	4	SLE Q	-195603.00	38182.90	4251.36	15.71	62.83	35.87	509.99
176	59.52	4	SLE Q	-194518.00	38182.90	4251.36	15.71	62.83	35.80	508.83
177	119.05	4	SLE Q	-192800.00	38048.40	4236.38	15.71	62.83	35.60	505.95
178	119.05	4	SLE Q	-190041.00	38048.40	4236.38	15.71	62.83	35.41	503.06
179	178.57	4	SLE Q	-189526.00	36582.40	4073.15	12.57	65.97	34.52	490.89
180	178.57	4	SLE Q	-185588.00	36582.40	4073.15	15.71	62.83	34.24	486.68
181	238.09	4	SLE Q	-185782.00	34170.90	3804.65	9.42	69.11	32.87	468.18
182	238.09	4	SLE Q	-181158.00	34170.90	3804.65	9.42	69.11	32.54	463.03
183	297.62	4	SLE Q	-181567.00	31137.50	3466.91	0.00	78.54	30.89	440.81
184	297.62	4	SLE Q	-176751.00	31137.50	3466.91	3.14	75.40	30.52	435.16
185	357.14	4	SLE Q	-177064.00	27746.90	3089.39	0.00	78.54	28.75	411.20
186	357.14	4	SLE Q	-172367.00	27746.90	3089.39	0.00	78.54	28.37	405.49
187	416.67	4	SLE Q	-172584.00	24210.10	2695.60	0.00	78.54	26.56	380.85
188	416.67	4	SLE Q	-168005.00	24210.10	2695.60	0.00	78.54	26.19	375.26
189	476.19	4	SLE Q	-168126.00	20690.80	2303.75	0.00	78.54	24.38	350.63
190	476.19	4	SLE Q	-163664.00	20690.80	2303.75	0.00	78.54	24.01	345.20
191	535.71	4	SLE Q	-163689.00	17310.80	1927.42	0.00	78.54	22.27	321.43
192	535.71	4	SLE Q	-159344.00	17310.80	1927.42	0.00	78.54	21.91	316.13
193	595.24	4	SLE Q	-159272.00	14156.60	1576.22	0.00	78.54	20.27	293.85
194	595.24	4	SLE Q	-155044.00	14156.60	1576.22	0.00	78.54	19.93	288.69

195	654.76	4	SLE Q	-154877.00	11284.70	1256.46	0.00	78.54	18.43	268.27
196	654.76	4	SLE Q	-150764.00	11284.70	1256.46	0.00	78.54	18.10	263.25
197	714.29	4	SLE Q	-150500.00	8727.54	971.74	0.00	78.54	16.75	244.93
198	714.29	4	SLE Q	-146503.00	8727.54	971.74	0.00	78.54	16.43	240.06
199	773.81	4	SLE Q	-146143.00	6498.00	723.50	0.00	78.54	15.24	223.93
200	773.81	4	SLE Q	-142260.00	6498.00	723.50	0.00	78.54	14.93	219.19
201	833.33	4	SLE Q	-141804.00	4594.00	511.50	0.00	78.54	13.90	205.23
202	833.33	4	SLE Q	-138036.00	4594.00	511.50	0.00	78.54	13.60	200.64
203	892.86	4	SLE Q	-137484.00	3002.35	334.29	0.00	78.54	12.73	188.76
204	892.86	4	SLE Q	-133829.00	3002.35	334.29	0.00	78.54	12.43	184.30
205	952.38	4	SLE Q	-133181.00	1701.91	189.49	0.00	78.54	11.71	174.36
206	952.38	4	SLE Q	-129639.00	1701.91	189.49	0.00	78.54	11.42	170.04
207	1011.90	4	SLE Q	-128894.00	666.42	74.20	0.00	78.54	10.82	161.84
208	1011.90	4	SLE Q	-125465.00	666.42	74.20	0.00	78.54	10.54	157.66
209	1071.43	4	SLE Q	-124624.00	-133.31	-14.84	0.00	78.54	10.20	152.89
210	1071.43	4	SLE Q	-121308.00	-133.31	-14.84	0.00	78.54	9.93	148.85
211	1130.95	4	SLE Q	-120370.00	-727.63	-81.02	0.00	78.54	10.16	151.91
212	1130.95	4	SLE Q	-117166.00	-727.63	-81.02	0.00	78.54	9.90	148.01
213	1190.48	4	SLE Q	-116132.00	-1146.63	-127.67	0.00	78.54	10.03	149.71
214	1190.48	4	SLE Q	-113038.00	-1146.63	-127.67	0.00	78.54	9.78	145.94
215	1250.00	4	SLE Q	-111908.00	-1419.16	-158.01	0.00	78.54	9.83	146.49
216	1250.00	4	SLE Q	-108925.00	-1419.16	-158.01	0.00	78.54	9.59	142.86
217	1309.52	4	SLE Q	-107698.00	-1572.12	-175.04	0.00	78.54	9.57	142.44
218	1309.52	4	SLE Q	-104826.00	-1572.12	-175.04	0.00	78.54	9.33	138.94
219	1369.05	4	SLE Q	-103502.00	-1629.93	-181.48	0.00	78.54	9.26	137.74
220	1369.05	4	SLE Q	-100741.00	-1629.93	-181.48	0.00	78.54	9.03	134.37
221	1428.57	4	SLE Q	-99318.60	-1614.33	-179.74	0.00	78.54	8.91	132.53
222	1428.57	4	SLE Q	-96667.50	-1614.33	-179.74	0.00	78.54	8.69	129.29
223	1488.10	4	SLE Q	-95148.10	-1544.25	-171.94	0.00	78.54	8.53	126.94
224	1488.10	4	SLE Q	-92606.80	-1544.25	-171.94	0.00	78.54	8.33	123.85
225	1547.62	4	SLE Q	-90989.80	-1435.86	-159.87	0.00	78.54	8.14	121.11
226	1547.62	4	SLE Q	-88557.90	-1435.86	-159.87	0.00	78.54	7.94	118.14
227	1607.14	4	SLE Q	-86843.00	-1302.65	-145.04	0.00	78.54	7.73	115.11
228	1607.14	4	SLE Q	-84520.10	-1302.65	-145.04	0.00	78.54	7.54	112.28
229	1666.67	4	SLE Q	-82707.30	-1155.66	-128.67	0.00	78.54	7.32	109.03
230	1666.67	4	SLE Q	-80493.20	-1155.66	-128.67	0.00	78.54	7.14	106.33
231	1726.19	4	SLE Q	-78582.00	-1003.68	-111.75	0.00	78.54	6.91	102.92
232	1726.19	4	SLE Q	-76476.40	-1003.68	-111.75	0.00	78.54	6.74	100.35
233	1785.71	4	SLE Q	-74466.70	-853.51	-95.03	0.00	78.54	6.49	96.84
234	1785.71	4	SLE Q	-72469.30	-853.51	-95.03	0.00	78.54	6.33	94.40
235	1845.24	4	SLE Q	-70360.90	-710.23	-79.08	0.00	78.54	6.09	90.82
236	1845.24	4	SLE Q	-68471.50	-710.23	-79.08	0.00	78.54	5.93	88.51
237	1904.76	4	SLE Q	-66264.00	-577.45	-64.29	0.00	78.54	5.69	84.88
238	1904.76	4	SLE Q	-64482.30	-577.45	-64.29	0.00	78.54	5.54	82.71
239	1964.29	4	SLE Q	-62175.50	-457.55	-50.94	0.00	78.54	5.29	79.05
240	1964.29	4	SLE Q	-60501.30	-457.55	-50.94	0.00	78.54	5.15	77.01
241	2023.81	4	SLE Q	-58095.00	-351.94	-39.19	0.00	78.54	4.90	73.32
242	2023.81	4	SLE Q	-56528.00	-351.94	-39.19	0.00	78.54	4.78	71.41
243	2083.33	4	SLE Q	-54021.80	-261.20	-29.08	0.00	78.54	4.53	67.72
244	2083.33	4	SLE Q	-52561.90	-261.20	-29.08	0.00	78.54	4.41	65.94
245	2142.86	4	SLE Q	-49955.40	-185.34	-20.64	0.00	78.54	4.16	62.22
246	2142.86	4	SLE Q	-48602.50	-185.34	-20.64	0.00	78.54	4.05	60.57
247	2202.38	4	SLE Q	-45895.40	-123.91	-13.80	0.00	78.54	3.79	56.84
248	2202.38	4	SLE Q	-44649.20	-123.91	-13.80	0.00	78.54	3.69	55.32
249	2261.90	4	SLE Q	-41841.20	-76.12	-8.48	0.00	78.54	3.44	51.55
250	2261.90	4	SLE Q	-40701.60	-76.12	-8.48	0.00	78.54	3.35	50.16
251	2321.43	4	SLE Q	-37792.30	-40.99	-4.56	0.00	78.54	3.09	46.37
252	2321.43	4	SLE Q	-36759.20	-40.99	-4.56	0.00	78.54	3.01	45.11
253	2380.95	4	SLE Q	-33748.30	-17.40	-1.94	0.00	78.54	2.75	41.27
254	2380.95	4	SLE Q	-32821.40	-17.40	-1.94	0.00	78.54	2.68	40.14
255	2440.48	4	SLE Q	-29708.50	-4.14	-0.46	0.00	78.54	2.42	36.25
256	2440.48	4	SLE Q	-28887.80	-4.14	-0.46	0.00	78.54	2.35	35.25
257	2500.00	4	SLE Q	-25672.50	0.00	0.00	0.00	78.54	2.09	31.30
258	2500.00	4	SLE Q	-24957.90	0.00	0.00	0.00	78.54	2.03	30.43

Verifiche principali

Caso	Tipo
6	SLU N cost - min. sic.
15	SLU Taglio - min. sic. c.a.,SLU Taglio - min. sic. acciaio
89	C.Rare - Sc min (max compr.),C.Rare - Sf min (max compr.)
92	C.Rare - Sf max (max traz.)
99	C.Rare - Sc max (min. compr.)
175	C.Q.Per. - Sc min (max compr.),C.Q.Per. - Sf min (max compr.)
178	C.Q.Per. - Sf max (max traz.)
185	C.Q.Per. - Sc max (min. compr.)

Palo n. 21

Caratteristiche del palo e dei materiali utilizzati

R <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
60.00	6.00	C30/37	307.10	20.59	174.02	13.73	B450C	4300.00	3913.04

Le sollecitazioni nei pali vengono calcolate oltre che per l'effetto delle reazioni vincolari anche considerando i seguenti effetti

Azioni ed effetti comuni

Az	N <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
PP	0.00	0.00	0.00	
SVR	0.00			

Azioni ed effetti - Plinto/Palo n. 21 (-166)

Caso	CC	TCC	Az	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	RVN	298514.00	5790.93	-848.69	-13156.00	-44214.90
	1	SLU	TAG				0.00	0.00
	1	SLU	ECC				0.00	0.00
	1	SLU	TOT	298514.00	5790.93	-848.69	-13156.00	-44214.90
2	2	SLE R	RVN	221121.00	4289.57	-628.66	-9745.20	-32751.80
	2	SLE R	TAG				0.00	0.00
	2	SLE R	ECC				0.00	0.00
	2	SLE R	TOT	221121.00	4289.57	-628.66	-9745.20	-32751.80
3	3	SLE F	RVN	221121.00	4289.57	-628.66	-9745.20	-32751.80
	3	SLE F	TAG				0.00	0.00
	3	SLE F	ECC				0.00	0.00
	3	SLE F	TOT	221121.00	4289.57	-628.66	-9745.20	-32751.80
4	4	SLE Q	RVN	221121.00	4289.57	-628.66	-9745.20	-32751.80
	4	SLE Q	TAG				0.00	0.00
	4	SLE Q	ECC				0.00	0.00
	4	SLE Q	TOT	221121.00	4289.57	-628.66	-9745.20	-32751.80

Sollecitazioni nei pali

Caso	CC	TCC	Palo	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	1	-298514.00	-5790.93	848.69	13156.00	44214.90
2	2	SLE R	1	-221121.00	-4289.57	628.66	9745.20	32751.80
3	3	SLE F	1	-221121.00	-4289.57	628.66	9745.20	32751.80
4	4	SLE Q	1	-221121.00	-4289.57	628.66	9745.20	32751.80

Da 0 a -25

Stato limite ultimo - Verifiche a flessione/pressoflessione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	Rott.	α <grad>	Sic.
1	0.00	1	SLU	-298514.00	-13019.10	43754.80	-298514.00	-71319.20	245149.00	2-3	73.75	5.593
2	59.52	1	SLU	-298189.00	-13631.50	45812.80	-298189.00	-71293.20	245054.00	2-3	73.75	5.339
3	119.05	1	SLU	-295386.00	-13601.20	45711.20	-295386.00	-71068.00	244231.00	2-3	73.75	5.333
4	178.57	1	SLU	-292112.00	-13090.50	43994.80	-292112.00	-70804.70	243270.00	2-3	73.75	5.520
5	238.09	1	SLU	-288368.00	-12238.10	41129.90	-288368.00	-70502.30	242164.00	2-3	73.75	5.878
6	297.62	1	SLU	-284153.00	-11160.00	37506.80	-284153.00	-70160.50	240914.00	2-3	73.75	6.412
7	357.14	1	SLU	-279467.00	-9951.67	33445.70	-279467.00	-69779.60	239522.00	2-3	73.75	7.149
8	416.67	1	SLU	-274311.00	-8688.97	29202.00	-274311.00	-69358.00	237978.00	2-3	73.75	8.136
9	476.19	1	SLU	-268684.00	-7430.86	24973.70	-268684.00	-68896.30	236288.00	2-3	73.75	9.446
10	535.71	1	SLU	-262586.00	-6221.34	20908.80	-2571250.00	-68393.30	234445.00	2-3	73.75	9.792
11	595.24	1	SLU	-256018.00	-5091.64	17112.10	-2571250.00	-67848.90	232448.00	2-3	73.75	10.043
12	654.76	1	SLU	-248979.00	-4062.31	13652.70	-2571250.00	-67262.70	230297.00	2-3	73.75	10.327
13	714.29	1	SLU	-241815.00	-3145.13	10570.20	-2571250.00	-66662.60	228091.00	2-3	73.75	10.633
14	773.81	1	SLU	-234681.00	-2344.93	7880.88	-2571250.00	-66062.30	225881.00	2-3	73.75	10.956
15	833.33	1	SLU	-227577.00	-1661.12	5582.70	-2571250.00	-65461.80	223670.00	2-3	73.75	11.298
16	892.86	1	SLU	-220502.00	-1089.07	3660.18	-2571250.00	-64861.10	221453.00	2-3	73.75	11.661
17	952.38	1	SLU	-213455.00	-621.34	2088.20	-2571250.00	-64260.40	219231.00	2-3	73.75	12.046
18	1011.90	1	SLU	-206435.00	-248.56	835.38	-2571250.00	-63659.70	217008.00	2-3	73.75	12.456
19	1071.43	1	SLU	-199441.00	39.65	-133.25	-2571250.00	62517.70	-214657.00	2-3	253.75	12.892
20	1130.95	1	SLU	-192473.00	254.13	-854.09	-2571250.00	61884.50	-212325.00	2-3	253.75	13.359
21	1190.48	1	SLU	-185528.00	405.65	-1363.31	-2571250.00	61251.10	-209987.00	2-3	253.75	13.859
22	1250.00	1	SLU	-178608.00	504.52	-1695.61	-2571250.00	60617.50	-207646.00	2-3	253.75	14.396
23	1309.52	1	SLU	-171710.00	560.39	-1883.36	-2571250.00	59983.60	-205297.00	2-3	253.75	14.974
24	1369.05	1	SLU	-164834.00	582.00	-1955.98	-2571250.00	59349.70	-202941.00	2-3	253.75	15.599
25	1428.57	1	SLU	-157979.00	577.15	-1939.68	-2571250.00	58716.00	-200582.00	2-3	253.75	16.276
26	1488.10	1	SLU	-151144.00	552.63	-1857.30	-2571250.00	58082.30	-198217.00	2-3	253.75	17.012
27	1547.62	1	SLU	-144328.00	514.26	-1728.34	-2571250.00	57449.20	-195845.00	2-3	253.75	17.815

28	1607.14	1	SLU	-137531.00	466.88	-1569.11	-2571250.00	56816.30	-193469.00	2-3	253.75	18.696
29	1666.67	1	SLU	-130751.00	414.47	-1392.95	-2571250.00	56184.00	-191087.00	2-3	253.75	19.665
30	1726.19	1	SLU	-123987.00	360.18	-1210.48	-2571250.00	55552.40	-188699.00	2-3	253.75	20.738
31	1785.71	1	SLU	-117240.00	306.46	-1029.96	-2571250.00	54763.40	-186304.00	2-3	253.75	21.932
32	1845.24	1	SLU	-110507.00	255.16	-857.55	-2571250.00	53879.20	-183902.00	2-3	253.75	23.268
33	1904.76	1	SLU	-103788.00	207.57	-697.62	-2571250.00	52984.90	-181491.00	2-3	253.75	24.774
34	1964.29	1	SLU	-97082.30	164.57	-553.10	-2571250.00	52085.80	-179076.00	2-3	253.75	26.485
35	2023.81	1	SLU	-90389.00	126.66	-425.68	-2571250.00	51181.90	-176655.00	2-3	253.75	28.447
36	2083.33	1	SLU	-83707.20	94.06	-316.13	-2571250.00	50266.30	-174227.00	2-3	253.75	30.717
37	2142.86	1	SLU	-77036.00	66.79	-224.47	-2571250.00	49491.80	-171695.00	2-3	253.75	33.377
38	2202.38	1	SLU	-70374.60	44.68	-150.17	-2571250.00	48788.70	-169104.00	2-3	253.75	36.537
39	2261.90	1	SLU	-63722.10	27.47	-92.33	-2571250.00	48082.80	-166503.00	2-3	253.75	40.351
40	2321.43	1	SLU	-57077.70	14.81	-49.76	-2571250.00	47373.80	-163887.00	2-3	253.75	45.048
41	2380.95	1	SLU	-50440.60	6.29	-21.14	-2571250.00	46662.40	-161260.00	2-3	253.75	50.976
42	2440.48	1	SLU	-43809.90	1.50	-5.04	-2571250.00	45948.60	-158624.00	2-3	253.75	58.691
43	2500.00	1	SLU	-37184.70	0.00	0.00	-2571250.00					69.148

Stato limite ultimo – Verifiche a taglio

Caso	X <cm>	CC	TCC	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1	0.00	1	SLU	5790.93	-848.69	0.85	11.31	5852.79	1.00	32294.70	374427.00	32294.70	5.518
2	59.52	1	SLU	1527.57	-223.87	0.85	11.31	1543.89	1.00	32294.70	374380.00	32294.70	20.918
3	119.05	1	SLU	-1722.41	252.43	0.85	11.31	1740.81	1.00	32294.70	373979.00	32294.70	18.552
4	178.57	1	SLU	-4096.29	600.33	0.85	11.31	4140.04	1.00	32294.70	373510.00	32294.70	7.801
5	238.09	1	SLU	-5728.39	839.53	0.85	11.31	5789.59	1.00	32294.70	372974.00	32294.70	5.578
6	297.62	1	SLU	-6746.01	988.66	0.85	11.31	6818.08	1.00	32294.70	372370.00	32294.70	4.737
7	357.14	1	SLU	-7266.59	1064.96	0.85	11.31	7344.21	1.00	32294.70	371699.00	32294.70	4.397
8	416.67	1	SLU	-7395.97	1083.92	0.85	11.31	7474.98	1.00	32294.70	370960.00	32294.70	4.320
9	476.19	1	SLU	-7227.53	1059.23	0.85	11.31	7304.74	1.00	32294.70	370154.00	32294.70	4.421
10	535.71	1	SLU	-6841.93	1002.72	0.85	11.31	6915.02	1.00	32294.70	369281.00	32294.70	4.670
11	595.24	1	SLU	-6307.41	924.38	0.85	11.31	6374.79	1.00	32294.70	368340.00	32294.70	5.066
12	654.76	1	SLU	-5680.46	832.50	0.85	11.31	5741.14	1.00	32294.70	367332.00	32294.70	5.625
13	714.29	1	SLU	-5006.72	733.76	0.85	11.31	5060.20	1.00	32294.70	366306.00	32294.70	6.382
14	773.81	1	SLU	-4322.09	633.42	0.85	11.31	4368.26	1.00	32294.70	365284.00	32294.70	7.393
15	833.33	1	SLU	-3653.86	535.49	0.85	11.31	3692.90	1.00	32294.70	364266.00	32294.70	8.745
16	892.86	1	SLU	-3021.89	442.87	0.85	11.31	3054.18	1.00	32294.70	363253.00	32294.70	10.574
17	952.38	1	SLU	-2439.77	357.56	0.85	11.31	2465.83	1.00	32294.70	362243.00	32294.70	13.097
18	1011.90	1	SLU	-1915.88	280.78	0.85	11.31	1936.35	1.00	32294.70	361238.00	32294.70	16.678
19	1071.43	1	SLU	-1454.43	213.16	0.85	11.31	1469.97	1.00	32294.70	360236.00	32294.70	21.970
20	1130.95	1	SLU	-1056.33	154.81	0.85	11.31	1067.62	1.00	32294.70	359238.00	32294.70	30.249
21	1190.48	1	SLU	-719.99	105.52	0.85	11.31	727.68	1.00	32294.70	358243.00	32294.70	44.380
22	1250.00	1	SLU	-442.00	64.78	0.85	11.31	446.72	1.00	32294.70	357252.00	32294.70	72.293
23	1309.52	1	SLU	-217.72	31.91	0.85	11.31	220.05	1.00	32294.70	356264.00	32294.70	>100
24	1369.05	1	SLU	-41.75	6.12	0.85	11.31	42.20	1.00	32294.70	355279.00	32294.70	>100
25	1428.57	1	SLU	91.68	-13.44	0.85	11.31	92.66	1.00	32294.70	354297.00	32294.70	>100
26	1488.10	1	SLU	188.43	-27.61	0.85	11.31	190.44	1.00	32294.70	353318.00	32294.70	>100
27	1547.62	1	SLU	254.17	-37.25	0.85	11.31	256.89	1.00	32294.70	352342.00	32294.70	>100
28	1607.14	1	SLU	294.28	-43.13	0.85	11.31	297.43	1.00	32294.70	351368.00	32294.70	>100
29	1666.67	1	SLU	313.69	-45.97	0.85	11.31	317.04	1.00	32294.70	350397.00	32294.70	>100
30	1726.19	1	SLU	316.82	-46.43	0.85	11.31	320.20	1.00	32294.70	349428.00	32294.70	>100
31	1785.71	1	SLU	307.55	-45.07	0.85	11.31	310.84	1.00	32294.70	348461.00	32294.70	>100
32	1845.24	1	SLU	289.23	-42.39	0.85	11.31	292.31	1.00	32294.70	347497.00	32294.70	>100
33	1904.76	1	SLU	264.65	-38.79	0.85	11.31	267.48	1.00	32294.70	346535.00	32294.70	>100
34	1964.29	1	SLU	236.15	-34.61	0.85	11.31	238.68	1.00	32294.70	345574.00	32294.70	>100
35	2023.81	1	SLU	205.58	-30.13	0.85	11.31	207.78	1.00	32294.70	344615.00	32294.70	>100
36	2083.33	1	SLU	174.40	-25.56	0.85	11.31	176.26	1.00	32294.70	343658.00	32294.70	>100
37	2142.86	1	SLU	143.69	-21.06	0.85	11.31	145.23	1.00	32294.70	342703.00	32294.70	>100
38	2202.38	1	SLU	114.28	-16.75	0.85	11.31	115.50	1.00	32294.70	341749.00	32294.70	>100
39	2261.90	1	SLU	86.70	-12.71	0.85	11.31	87.63	1.00	32294.70	340796.00	32294.70	>100
40	2321.43	1	SLU	61.33	-8.99	0.85	11.31	61.98	1.00	32294.70	339844.00	32294.70	>100
41	2380.95	1	SLU	38.36	-5.62	0.85	11.31	38.77	1.00	32294.70	338893.00	32294.70	>100
42	2440.48	1	SLU	17.91	-2.62	0.85	11.31	18.10	1.00	32294.70	337943.00	32294.70	>100

Verifiche stato limite d'esercizio

Caso	X <cm>	CC	TCC	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ_C <daN/cmq>	σ_f <daN/cmq>
44	0.00	2	SLE R	-221121.00	32411.00	-9643.79	0.00	78.54	35.47	507.47
45	0.00	2	SLE R	-221121.00	32411.00	-9643.79	0.00	78.54	35.47	507.47
46	59.52	2	SLE R	-220797.00	33935.40	-10097.40	0.00	78.54	36.27	518.26
47	59.52	2	SLE R	-219414.00	33935.40	-10097.40	0.00	78.54	36.16	516.58
48	119.05	2	SLE R	-217994.00	33860.20	-10075.00	0.00	78.54	36.00	514.30
49	119.05	2	SLE R	-214343.00	33860.20	-10075.00	0.00	78.54	35.71	509.88
50	178.57	2	SLE R	-214720.00	32588.80	-9696.69	0.00	78.54	35.05	500.97
51	178.57	2	SLE R	-209300.00	32588.80	-9696.69	0.00	78.54	34.61	494.37
52	238.09	2	SLE R	-210975.00	30466.60	-9065.23	0.00	78.54	33.60	480.83
53	238.09	2	SLE R	-204283.00	30466.60	-9065.23	0.00	78.54	33.05	472.67
54	297.62	2	SLE R	-206760.00	27782.80	-8266.70	0.00	78.54	31.80	455.99

55	297.62	2	SLE R	-199292.00	27782.80	-8266.70	0.00	78.54	31.20	446.89
56	357.14	2	SLE R	-202075.00	24774.60	-7371.61	0.00	78.54	29.80	428.20
57	357.14	2	SLE R	-194327.00	24774.60	-7371.61	0.00	78.54	29.17	418.75
58	416.67	2	SLE R	-196935.00	21631.10	-6436.27	0.00	78.54	27.69	398.86
59	416.67	2	SLE R	-189386.00	21631.10	-6436.27	0.00	78.54	27.07	389.66
60	476.19	2	SLE R	-191821.00	18499.10	-5504.34	0.00	78.54	25.58	369.64
61	476.19	2	SLE R	-184469.00	18499.10	-5504.34	0.00	78.54	24.98	360.68
62	535.71	2	SLE R	-186732.00	15488.00	-4608.40	0.00	78.54	23.54	341.34
63	535.71	2	SLE R	-179576.00	15488.00	-4608.40	0.00	78.54	22.96	332.61
64	595.24	2	SLE R	-181665.00	12675.60	-3771.59	0.00	78.54	21.61	314.52
65	595.24	2	SLE R	-174705.00	12675.60	-3771.59	0.00	78.54	21.04	306.04
66	654.76	2	SLE R	-176622.00	10113.10	-3009.12	0.00	78.54	19.82	289.57
67	654.76	2	SLE R	-169857.00	10113.10	-3009.12	0.00	78.54	19.27	281.32
68	714.29	2	SLE R	-171602.00	7829.78	-2329.73	0.00	78.54	18.18	266.69
69	714.29	2	SLE R	-165030.00	7829.78	-2329.73	0.00	78.54	17.64	258.68
70	773.81	2	SLE R	-166603.00	5837.69	-1736.99	0.00	78.54	16.69	245.97
71	773.81	2	SLE R	-160224.00	5837.69	-1736.99	0.00	78.54	16.18	238.19
72	833.33	2	SLE R	-161625.00	4135.34	-1230.46	0.00	78.54	15.37	227.41
73	833.33	2	SLE R	-155438.00	4135.34	-1230.46	0.00	78.54	14.87	219.87
74	892.86	2	SLE R	-156668.00	2711.24	-806.72	0.00	78.54	14.20	210.91
75	892.86	2	SLE R	-150673.00	2711.24	-806.72	0.00	78.54	13.71	203.60
76	952.38	2	SLE R	-151731.00	1546.81	-460.25	0.00	78.54	13.17	196.35
77	952.38	2	SLE R	-145926.00	1546.81	-460.25	0.00	78.54	12.70	189.27
78	1011.90	2	SLE R	-146813.00	618.80	-184.12	0.00	78.54	12.27	183.54
79	1011.90	2	SLE R	-141198.00	618.80	-184.12	0.00	78.54	11.81	176.70
80	1071.43	2	SLE R	-141914.00	-98.70	29.37	0.00	78.54	11.59	173.75
81	1071.43	2	SLE R	-136488.00	-98.70	29.37	0.00	78.54	11.15	167.13
82	1130.95	2	SLE R	-137032.00	-632.66	188.25	0.00	78.54	11.48	171.70
83	1130.95	2	SLE R	-131795.00	-632.66	188.25	0.00	78.54	11.05	165.32
84	1190.48	2	SLE R	-132168.00	-1009.86	300.48	0.00	78.54	11.29	168.53
85	1190.48	2	SLE R	-127119.00	-1009.86	300.48	0.00	78.54	10.88	162.38
86	1250.00	2	SLE R	-127321.00	-1256.01	373.72	0.00	78.54	11.03	164.43
87	1250.00	2	SLE R	-122459.00	-1256.01	373.72	0.00	78.54	10.63	158.50
88	1309.52	2	SLE R	-122490.00	-1395.08	415.10	0.00	78.54	10.71	159.55
89	1309.52	2	SLE R	-117814.00	-1395.08	415.10	0.00	78.54	10.33	153.85
90	1369.05	2	SLE R	-117675.00	-1448.87	431.11	0.00	78.54	10.35	154.07
91	1369.05	2	SLE R	-113185.00	-1448.87	431.11	0.00	78.54	9.98	148.60
92	1428.57	2	SLE R	-112874.00	-1436.80	427.52	0.00	78.54	9.95	148.13
93	1428.57	2	SLE R	-108570.00	-1436.80	427.52	0.00	78.54	9.60	142.88
94	1488.10	2	SLE R	-108088.00	-1375.78	409.36	0.00	78.54	9.53	141.85
95	1488.10	2	SLE R	-103968.00	-1375.78	409.36	0.00	78.54	9.19	136.83
96	1547.62	2	SLE R	-103316.00	-1280.25	380.94	0.00	78.54	9.09	135.33
97	1547.62	2	SLE R	-99380.00	-1280.25	380.94	0.00	78.54	8.77	130.53
98	1607.14	2	SLE R	-98556.30	-1162.30	345.84	0.00	78.54	8.64	128.67
99	1607.14	2	SLE R	-94804.50	-1162.30	345.84	0.00	78.54	8.33	124.09
100	1666.67	2	SLE R	-93809.50	-1031.81	307.01	0.00	78.54	8.18	121.92
101	1666.67	2	SLE R	-90241.00	-1031.81	307.01	0.00	78.54	7.89	117.58
102	1726.19	2	SLE R	-89074.60	-896.65	266.80	0.00	78.54	7.72	115.16
103	1726.19	2	SLE R	-85688.90	-896.65	266.80	0.00	78.54	7.45	111.04
104	1785.71	2	SLE R	-84351.00	-762.94	227.01	0.00	78.54	7.27	108.43
105	1785.71	2	SLE R	-81147.80	-762.94	227.01	0.00	78.54	7.01	104.52
106	1845.24	2	SLE R	-79638.10	-635.22	189.01	0.00	78.54	6.82	101.75
107	1845.24	2	SLE R	-76616.90	-635.22	189.01	0.00	78.54	6.57	98.06
108	1904.76	2	SLE R	-74935.30	-516.76	153.76	0.00	78.54	6.37	95.14
109	1904.76	2	SLE R	-72095.80	-516.76	153.76	0.00	78.54	6.14	91.68
110	1964.29	2	SLE R	-70242.00	-409.70	121.91	0.00	78.54	5.93	88.64
111	1964.29	2	SLE R	-67583.80	-409.70	121.91	0.00	78.54	5.71	85.40
112	2023.81	2	SLE R	-65557.70	-315.32	93.82	0.00	78.54	5.50	82.24
113	2023.81	2	SLE R	-63080.40	-315.32	93.82	0.00	78.54	5.30	79.22
114	2083.33	2	SLE R	-60881.70	-234.17	69.68	0.00	78.54	5.08	75.94
115	2083.33	2	SLE R	-58585.00	-234.17	69.68	0.00	78.54	4.89	73.14
116	2142.86	2	SLE R	-56213.40	-166.27	49.47	0.00	78.54	4.66	69.75
117	2142.86	2	SLE R	-54097.10	-166.27	49.47	0.00	78.54	4.49	67.17
118	2202.38	2	SLE R	-51552.20	-111.24	33.10	0.00	78.54	4.25	63.67
119	2202.38	2	SLE R	-49616.00	-111.24	33.10	0.00	78.54	4.09	61.31
120	2261.90	2	SLE R	-46897.60	-68.39	20.35	0.00	78.54	3.85	57.68
121	2261.90	2	SLE R	-45141.20	-68.39	20.35	0.00	78.54	3.71	55.54
122	2321.43	2	SLE R	-42248.90	-36.86	10.97	0.00	78.54	3.45	51.78
123	2321.43	2	SLE R	-40672.10	-36.86	10.97	0.00	78.54	3.33	49.86
124	2380.95	2	SLE R	-37605.70	-15.66	4.66	0.00	78.54	3.07	45.97
125	2380.95	2	SLE R	-36208.30	-15.66	4.66	0.00	78.54	2.95	44.26
126	2440.48	2	SLE R	-32967.10	-3.73	1.11	0.00	78.54	2.68	40.22
127	2440.48	2	SLE R	-31749.00	-3.73	1.11	0.00	78.54	2.58	38.74
128	2500.00	2	SLE R	-28332.80	0.00	0.00	0.00	78.54	2.30	34.54
129	2500.00	2	SLE R	-27293.70	0.00	0.00	0.00	78.54	2.22	33.28
130	0.00	4	SLE Q	-221121.00	32411.00	-9643.79	0.00	78.54	35.47	507.47

131	0.00	4	SLE Q	-221121.00	32411.00	-9643.79	0.00	78.54	35.47	507.47
132	59.52	4	SLE Q	-220797.00	33935.40	-10097.40	0.00	78.54	36.27	518.26
133	59.52	4	SLE Q	-219414.00	33935.40	-10097.40	0.00	78.54	36.16	516.58
134	119.05	4	SLE Q	-217994.00	33860.20	-10075.00	0.00	78.54	36.00	514.30
135	119.05	4	SLE Q	-214343.00	33860.20	-10075.00	0.00	78.54	35.71	509.88
136	178.57	4	SLE Q	-214720.00	32588.80	-9696.69	0.00	78.54	35.05	500.97
137	178.57	4	SLE Q	-209300.00	32588.80	-9696.69	0.00	78.54	34.61	494.37
138	238.09	4	SLE Q	-210975.00	30466.60	-9065.23	0.00	78.54	33.60	480.83
139	238.09	4	SLE Q	-204283.00	30466.60	-9065.23	0.00	78.54	33.05	472.67
140	297.62	4	SLE Q	-206760.00	27782.80	-8266.70	0.00	78.54	31.80	455.99
141	297.62	4	SLE Q	-199292.00	27782.80	-8266.70	0.00	78.54	31.20	446.89
142	357.14	4	SLE Q	-202075.00	24774.60	-7371.61	0.00	78.54	29.80	428.20
143	357.14	4	SLE Q	-194327.00	24774.60	-7371.61	0.00	78.54	29.17	418.75
144	416.67	4	SLE Q	-196935.00	21631.10	-6436.27	0.00	78.54	27.69	398.86
145	416.67	4	SLE Q	-189386.00	21631.10	-6436.27	0.00	78.54	27.07	389.66
146	476.19	4	SLE Q	-191821.00	18499.10	-5504.34	0.00	78.54	25.58	369.64
147	476.19	4	SLE Q	-184469.00	18499.10	-5504.34	0.00	78.54	24.98	360.68
148	535.71	4	SLE Q	-186732.00	15488.00	-4608.40	0.00	78.54	23.54	341.34
149	535.71	4	SLE Q	-179576.00	15488.00	-4608.40	0.00	78.54	22.96	332.61
150	595.24	4	SLE Q	-181665.00	12675.60	-3771.59	0.00	78.54	21.61	314.52
151	595.24	4	SLE Q	-174705.00	12675.60	-3771.59	0.00	78.54	21.04	306.04
152	654.76	4	SLE Q	-176622.00	10113.10	-3009.12	0.00	78.54	19.82	289.57
153	654.76	4	SLE Q	-169857.00	10113.10	-3009.12	0.00	78.54	19.27	281.32
154	714.29	4	SLE Q	-171602.00	7829.78	-2329.73	0.00	78.54	18.18	266.69
155	714.29	4	SLE Q	-165030.00	7829.78	-2329.73	0.00	78.54	17.64	258.68
156	773.81	4	SLE Q	-166603.00	5837.69	-1736.99	0.00	78.54	16.69	245.97
157	773.81	4	SLE Q	-160224.00	5837.69	-1736.99	0.00	78.54	16.18	238.19
158	833.33	4	SLE Q	-161625.00	4135.34	-1230.46	0.00	78.54	15.37	227.41
159	833.33	4	SLE Q	-155438.00	4135.34	-1230.46	0.00	78.54	14.87	219.87
160	892.86	4	SLE Q	-156668.00	2711.24	-806.72	0.00	78.54	14.20	210.91
161	892.86	4	SLE Q	-150673.00	2711.24	-806.72	0.00	78.54	13.71	203.60
162	952.38	4	SLE Q	-151731.00	1546.81	-460.25	0.00	78.54	13.17	196.35
163	952.38	4	SLE Q	-145926.00	1546.81	-460.25	0.00	78.54	12.70	189.27
164	1011.90	4	SLE Q	-146813.00	618.80	-184.12	0.00	78.54	12.27	183.54
165	1011.90	4	SLE Q	-141198.00	618.80	-184.12	0.00	78.54	11.81	176.70
166	1071.43	4	SLE Q	-141914.00	-98.70	29.37	0.00	78.54	11.59	173.75
167	1071.43	4	SLE Q	-136488.00	-98.70	29.37	0.00	78.54	11.15	167.13
168	1130.95	4	SLE Q	-137032.00	-632.66	188.25	0.00	78.54	11.48	171.70
169	1130.95	4	SLE Q	-131795.00	-632.66	188.25	0.00	78.54	11.05	165.32
170	1190.48	4	SLE Q	-132168.00	-1009.86	300.48	0.00	78.54	11.29	168.53
171	1190.48	4	SLE Q	-127119.00	-1009.86	300.48	0.00	78.54	10.88	162.38
172	1250.00	4	SLE Q	-127321.00	-1256.01	373.72	0.00	78.54	11.03	164.43
173	1250.00	4	SLE Q	-122459.00	-1256.01	373.72	0.00	78.54	10.63	158.50
174	1309.52	4	SLE Q	-122490.00	-1395.08	415.10	0.00	78.54	10.71	159.55
175	1309.52	4	SLE Q	-117814.00	-1395.08	415.10	0.00	78.54	10.33	153.85
176	1369.05	4	SLE Q	-117675.00	-1448.87	431.11	0.00	78.54	10.35	154.07
177	1369.05	4	SLE Q	-113185.00	-1448.87	431.11	0.00	78.54	9.98	148.60
178	1428.57	4	SLE Q	-112874.00	-1436.80	427.52	0.00	78.54	9.95	148.13
179	1428.57	4	SLE Q	-108570.00	-1436.80	427.52	0.00	78.54	9.60	142.88
180	1488.10	4	SLE Q	-108088.00	-1375.78	409.36	0.00	78.54	9.53	141.85
181	1488.10	4	SLE Q	-103968.00	-1375.78	409.36	0.00	78.54	9.19	136.83
182	1547.62	4	SLE Q	-103316.00	-1280.25	380.94	0.00	78.54	9.09	135.33
183	1547.62	4	SLE Q	-99380.00	-1280.25	380.94	0.00	78.54	8.77	130.53
184	1607.14	4	SLE Q	-98556.30	-1162.30	345.84	0.00	78.54	8.64	128.67
185	1607.14	4	SLE Q	-94804.50	-1162.30	345.84	0.00	78.54	8.33	124.09
186	1666.67	4	SLE Q	-93809.50	-1031.81	307.01	0.00	78.54	8.18	121.92
187	1666.67	4	SLE Q	-90241.00	-1031.81	307.01	0.00	78.54	7.89	117.58
188	1726.19	4	SLE Q	-89074.60	-896.65	266.80	0.00	78.54	7.72	115.16
189	1726.19	4	SLE Q	-85688.90	-896.65	266.80	0.00	78.54	7.45	111.04
190	1785.71	4	SLE Q	-84351.00	-762.94	227.01	0.00	78.54	7.27	108.43
191	1785.71	4	SLE Q	-81147.80	-762.94	227.01	0.00	78.54	7.01	104.52
192	1845.24	4	SLE Q	-79638.10	-635.22	189.01	0.00	78.54	6.82	101.75
193	1845.24	4	SLE Q	-76616.90	-635.22	189.01	0.00	78.54	6.57	98.06
194	1904.76	4	SLE Q	-74935.30	-516.76	153.76	0.00	78.54	6.37	95.14
195	1904.76	4	SLE Q	-72095.80	-516.76	153.76	0.00	78.54	6.14	91.68
196	1964.29	4	SLE Q	-70242.00	-409.70	121.91	0.00	78.54	5.93	88.64
197	1964.29	4	SLE Q	-67583.80	-409.70	121.91	0.00	78.54	5.71	85.40
198	2023.81	4	SLE Q	-65557.70	-315.32	93.82	0.00	78.54	5.50	82.24
199	2023.81	4	SLE Q	-63080.40	-315.32	93.82	0.00	78.54	5.30	79.22
200	2083.33	4	SLE Q	-60881.70	-234.17	69.68	0.00	78.54	5.08	75.94
201	2083.33	4	SLE Q	-58585.00	-234.17	69.68	0.00	78.54	4.89	73.14
202	2142.86	4	SLE Q	-56213.40	-166.27	49.47	0.00	78.54	4.66	69.75
203	2142.86	4	SLE Q	-54097.10	-166.27	49.47	0.00	78.54	4.49	67.17
204	2202.38	4	SLE Q	-51552.20	-111.24	33.10	0.00	78.54	4.25	63.67
205	2202.38	4	SLE Q	-49616.00	-111.24	33.10	0.00	78.54	4.09	61.31
206	2261.90	4	SLE Q	-46897.60	-68.39	20.35	0.00	78.54	3.85	57.68

207	2261.90	4	SLE Q	-45141.20	-68.39	20.35	0.00	78.54	3.71	55.54
208	2321.43	4	SLE Q	-42248.90	-36.86	10.97	0.00	78.54	3.45	51.78
209	2321.43	4	SLE Q	-40672.10	-36.86	10.97	0.00	78.54	3.33	49.86
210	2380.95	4	SLE Q	-37605.70	-15.66	4.66	0.00	78.54	3.07	45.97
211	2380.95	4	SLE Q	-36208.30	-15.66	4.66	0.00	78.54	2.95	44.26
212	2440.48	4	SLE Q	-32967.10	-3.73	1.11	0.00	78.54	2.68	40.22
213	2440.48	4	SLE Q	-31749.00	-3.73	1.11	0.00	78.54	2.58	38.74
214	2500.00	4	SLE Q	-28332.80	0.00	0.00	0.00	78.54	2.30	34.54
215	2500.00	4	SLE Q	-27293.70	0.00	0.00	0.00	78.54	2.22	33.28

Verifiche principali

Caso	Tipo
3	SLU N cost - min. sic.
8	SLU Taglio - min. sic. c.a.,SLU Taglio - min. sic. acciaio
46	C.Rare - Sc min (max compr.),C.Rare - Sf min (max compr.)
49	C.Rare - Sf max (max traz.)
53	C.Rare - Sc max (min. compr.)
132	C.Q.Per. - Sc min (max compr.),C.Q.Per. - Sf min (max compr.)
135	C.Q.Per. - Sf max (max traz.)
139	C.Q.Per. - Sc max (min. compr.)

Palo n. 22

Caratteristiche del palo e dei materiali utilizzati

R <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
60.00	6.00	C30/37	307.10	20.59	174.02	13.73	B450C	4300.00	3913.04

Le sollecitazioni nei pali vengono calcolate oltre che per l'effetto delle reazioni vincolari anche considerando i seguenti effetti

Azioni ed effetti comuni

Az	N <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
PP	0.00	0.00	0.00	
SVR	0.00			

Azioni ed effetti - Plinto/Palo n. 22 (-174)

Caso	CC	TCC	Az	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	RVN	323322.00	5582.55	-549.65	-28534.80	-30468.20
	1	SLU	TAG				0.00	0.00
	1	SLU	ECC				0.00	0.00
	1	SLU	TOT	323322.00	5582.55	-549.65	-28534.80	-30468.20
2	2	SLE R	RVN	239498.00	4135.22	-407.15	-21136.90	-22569.00
	2	SLE R	TAG				0.00	0.00
	2	SLE R	ECC				0.00	0.00
	2	SLE R	TOT	239498.00	4135.22	-407.15	-21136.90	-22569.00
3	3	SLE F	RVN	239498.00	4135.22	-407.15	-21136.90	-22569.00
	3	SLE F	TAG				0.00	0.00
	3	SLE F	ECC				0.00	0.00
	3	SLE F	TOT	239498.00	4135.22	-407.15	-21136.90	-22569.00
4	4	SLE Q	RVN	239498.00	4135.22	-407.15	-21136.90	-22569.00
	4	SLE Q	TAG				0.00	0.00
	4	SLE Q	ECC				0.00	0.00
	4	SLE Q	TOT	239498.00	4135.22	-407.15	-21136.90	-22569.00

Sollecitazioni nei pali

Caso	CC	TCC	Palo	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	1	-323322.00	-5582.55	549.65	28534.80	30468.20
2	2	SLE R	1	-239498.00	-4135.22	407.15	21136.90	22569.00
3	3	SLE F	1	-239498.00	-4135.22	407.15	21136.90	22569.00
4	4	SLE Q	1	-239498.00	-4135.22	407.15	21136.90	22569.00

Da 0 a -25

Stato limite ultimo - Verifiche a flessione/pressoflessione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	Rott.	α <grad>	Sic.
1	0.00	1	SLU	-323322.00	-28231.80	30144.70	-323322.00	-179641.00	191846.00	2-3	46.88	6.364
2	59.52	1	SLU	-322998.00	-29670.10	31680.40	-322998.00	-179575.00	191776.00	2-3	46.88	6.053
3	119.05	1	SLU	-320195.00	-29683.30	31694.50	-320195.00	-179007.00	191169.00	2-3	46.88	6.031
4	178.57	1	SLU	-316921.00	-28628.10	30567.80	-316921.00	-178342.00	190459.00	2-3	46.88	6.230
5	238.09	1	SLU	-313177.00	-26810.00	28626.50	-313177.00	-177581.00	189646.00	2-3	46.88	6.624
6	297.62	1	SLU	-308961.00	-24485.50	26144.50	-308961.00	-176717.00	188723.00	2-3	46.88	7.218

7	357.14	1	SLU	-304276.00	-21864.70	23346.10	-304276.00	-175756.00	187695.00	2-3	46.88	8.039
8	416.67	1	SLU	-299119.00	-19116.00	20411.20	-2571250.00	-174690.00	186555.00	2-3	46.88	8.596
9	476.19	1	SLU	-293492.00	-16370.10	17479.20	-2571250.00	-173525.00	185308.00	2-3	46.88	8.761
10	535.71	1	SLU	-287395.00	-13724.80	14654.70	-2571250.00	-172250.00	183944.00	2-3	46.88	8.947
11	595.24	1	SLU	-280827.00	-11249.80	12012.00	-2571250.00	-170872.00	182468.00	2-3	46.88	9.156
12	654.76	1	SLU	-273788.00	-8991.30	9600.50	-2571250.00	-169386.00	180876.00	2-3	46.88	9.391
13	714.29	1	SLU	-266279.00	-6976.09	7448.75	-2571250.00	-167787.00	179163.00	2-3	46.88	9.656
14	773.81	1	SLU	-258401.00	-5215.53	5568.91	-2571250.00	-166099.00	177355.00	2-3	46.88	9.951
15	833.33	1	SLU	-250556.00	-3709.02	3960.32	-2571250.00	-164407.00	175543.00	2-3	46.88	10.262
16	892.86	1	SLU	-242743.00	-2446.98	2612.77	-2571250.00	-162710.00	173727.00	2-3	46.88	10.592
17	952.38	1	SLU	-234961.00	-1413.46	1509.23	-2571250.00	-161006.00	171904.00	2-3	46.88	10.943
18	1011.90	1	SLU	-227208.00	-588.33	628.19	-2571250.00	-159299.00	170078.00	2-3	46.88	11.317
19	1071.43	1	SLU	-219485.00	51.00	-54.46	-2571250.00	157601.00	-168234.00	2-3	226.88	11.715
20	1130.95	1	SLU	-211789.00	528.11	-563.89	-2571250.00	155810.00	-166322.00	2-3	226.88	12.141
21	1190.48	1	SLU	-204120.00	866.48	-925.19	-2571250.00	154011.00	-164402.00	2-3	226.88	12.597
22	1250.00	1	SLU	-196478.00	1088.71	-1162.48	-2571250.00	152205.00	-162475.00	2-3	226.88	13.087
23	1309.52	1	SLU	-188860.00	1215.89	-1298.27	-2571250.00	150393.00	-160544.00	2-3	226.88	13.615
24	1369.05	1	SLU	-181266.00	1267.23	-1353.09	-2571250.00	148576.00	-158608.00	2-3	226.88	14.185
25	1428.57	1	SLU	-173695.00	1259.87	-1345.24	-2571250.00	146752.00	-156665.00	2-3	226.88	14.803
26	1488.10	1	SLU	-166146.00	1208.77	-1290.66	-2571250.00	144920.00	-154716.00	2-3	226.88	15.476
27	1547.62	1	SLU	-158618.00	1126.69	-1203.03	-2571250.00	143084.00	-152762.00	2-3	226.88	16.210
28	1607.14	1	SLU	-151110.00	1024.35	-1093.76	-2571250.00	141243.00	-150803.00	2-3	226.88	17.016
29	1666.67	1	SLU	-143622.00	910.52	-972.22	-2571250.00	139396.00	-148839.00	2-3	226.88	17.903
30	1726.19	1	SLU	-136152.00	792.21	-845.88	-2571250.00	137542.00	-146869.00	2-3	226.88	18.885
31	1785.71	1	SLU	-128699.00	674.85	-720.57	-2571250.00	135684.00	-144895.00	2-3	226.88	19.979
32	1845.24	1	SLU	-121262.00	562.51	-600.63	-2571250.00	133822.00	-142916.00	2-3	226.88	21.204
33	1904.76	1	SLU	-113841.00	458.13	-489.17	-2571250.00	131954.00	-140932.00	2-3	226.88	22.586
34	1964.29	1	SLU	-106434.00	363.64	-388.28	-2571250.00	130081.00	-138944.00	2-3	226.88	24.158
35	2023.81	1	SLU	-99040.80	280.21	-299.19	-2571250.00	128164.00	-136820.00	2-3	226.88	25.962
36	2083.33	1	SLU	-91660.10	208.36	-222.47	-2571250.00	126164.00	-134694.00	2-3	226.88	28.052
37	2142.86	1	SLU	-84291.10	148.14	-158.18	-2571250.00	124153.00	-132558.00	2-3	226.88	30.504
38	2202.38	1	SLU	-76932.70	99.25	-105.97	-2571250.00	122131.00	-130409.00	2-3	226.88	33.422
39	2261.90	1	SLU	-69584.20	61.11	-65.25	-2571250.00	120098.00	-128250.00	2-3	226.88	36.952
40	2321.43	1	SLU	-62244.40	32.99	-35.23	-2571250.00	118057.00	-126080.00	2-3	226.88	41.309
41	2380.95	1	SLU	-54912.60	14.04	-14.99	-2571250.00	116007.00	-123900.00	2-3	226.88	46.824
42	2440.48	1	SLU	-47587.70	3.35	-3.58	-2571250.00	113947.00	-121709.00	2-3	226.88	54.032
43	2500.00	1	SLU	-40268.90	0.00	0.00	-2571250.00					63.852

Stato limite ultimo - Verifiche a taglio

Caso	X <cm>	CC	TCC	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1	0.00	1	SLU	5582.55	-549.65	0.85	11.31	5609.54	1.00	32294.70	377981.00	32294.70	5.757
2	59.52	1	SLU	1619.25	-159.43	0.85	11.31	1627.08	1.00	32294.70	377934.00	32294.70	19.848
3	119.05	1	SLU	-1409.14	138.74	0.85	11.31	1415.95	1.00	32294.70	377533.00	32294.70	22.808
4	178.57	1	SLU	-3628.19	357.23	0.85	11.31	3645.74	1.00	32294.70	377064.00	32294.70	8.858
5	238.09	1	SLU	-5161.06	508.15	0.85	11.31	5186.02	1.00	32294.70	376527.00	32294.70	6.227
6	297.62	1	SLU	-6124.67	603.03	0.85	11.31	6154.29	1.00	32294.70	375924.00	32294.70	5.248
7	357.14	1	SLU	-6627.06	652.49	0.85	11.31	6659.11	1.00	32294.70	375252.00	32294.70	4.850
8	416.67	1	SLU	-6765.77	666.15	0.85	11.31	6798.48	1.00	32294.70	374514.00	32294.70	4.750
9	476.19	1	SLU	-6626.93	652.48	0.85	11.31	6658.98	1.00	32294.70	373708.00	32294.70	4.850
10	535.71	1	SLU	-6285.07	618.82	0.85	11.31	6315.46	1.00	32294.70	372834.00	32294.70	5.114
11	595.24	1	SLU	-5803.31	571.38	0.85	11.31	5831.37	1.00	32294.70	371894.00	32294.70	5.538
12	654.76	1	SLU	-5233.99	515.33	0.85	11.31	5259.30	1.00	32294.70	370885.00	32294.70	6.141
13	714.29	1	SLU	-4619.47	454.83	0.85	11.31	4641.81	1.00	32294.70	369810.00	32294.70	6.957
14	773.81	1	SLU	-3993.13	393.16	0.85	11.31	4012.44	1.00	32294.70	368681.00	32294.70	8.049
15	833.33	1	SLU	-3380.38	332.83	0.85	11.31	3396.73	1.00	32294.70	367558.00	32294.70	9.508
16	892.86	1	SLU	-2799.81	275.67	0.85	11.31	2813.35	1.00	32294.70	366438.00	32294.70	11.479
17	952.38	1	SLU	-2264.18	222.93	0.85	11.31	2275.13	1.00	32294.70	365324.00	32294.70	14.195
18	1011.90	1	SLU	-1781.44	175.40	0.85	11.31	1790.06	1.00	32294.70	364213.00	32294.70	18.041
19	1071.43	1	SLU	-1355.66	133.48	0.85	11.31	1362.22	1.00	32294.70	363107.00	32294.70	23.707
20	1130.95	1	SLU	-987.84	97.26	0.85	11.31	992.61	1.00	32294.70	362005.00	32294.70	32.535
21	1190.48	1	SLU	-676.64	66.62	0.85	11.31	679.92	1.00	32294.70	360906.00	32294.70	47.498
22	1250.00	1	SLU	-419.06	41.26	0.85	11.31	421.09	1.00	32294.70	359811.00	32294.70	76.694
23	1309.52	1	SLU	-210.90	20.76	0.85	11.31	211.92	1.00	32294.70	358720.00	32294.70	>100
24	1369.05	1	SLU	-47.25	4.65	0.85	11.31	47.48	1.00	32294.70	357632.00	32294.70	>100
25	1428.57	1	SLU	77.15	-7.60	0.85	11.31	77.52	1.00	32294.70	356548.00	32294.70	>100
26	1488.10	1	SLU	167.66	-16.51	0.85	11.31	168.47	1.00	32294.70	355467.00	32294.70	>100
27	1547.62	1	SLU	229.48	-22.59	0.85	11.31	230.59	1.00	32294.70	354388.00	32294.70	>100
28	1607.14	1	SLU	267.56	-26.34	0.85	11.31	268.85	1.00	32294.70	353313.00	32294.70	>100
29	1666.67	1	SLU	286.42	-28.20	0.85	11.31	287.81	1.00	32294.70	352240.00	32294.70	>100
30	1726.19	1	SLU	290.14	-28.57	0.85	11.31	291.55	1.00	32294.70	351170.00	32294.70	>100
31	1785.71	1	SLU	282.31	-27.80	0.85	11.31	283.67	1.00	32294.70	350103.00	32294.70	>100
32	1845.24	1	SLU	266.00	-26.19	0.85	11.31	267.29	1.00	32294.70	349038.00	32294.70	>100
33	1904.76	1	SLU	243.83	-24.01	0.85	11.31	245.01	1.00	32294.70	347975.00	32294.70	>100
34	1964.29	1	SLU	217.92	-21.46	0.85	11.31	218.98	1.00	32294.70	346914.00	32294.70	>100
35	2023.81	1	SLU	190.01	-18.71	0.85	11.31	190.93	1.00	32294.70	345855.00	32294.70	>100
36	2083.33	1	SLU	161.45	-15.90	0.85	11.31	162.23	1.00	32294.70	344797.00	32294.70	>100

37	2142.86	1	SLU	133.25	-13.12	0.85	11.31	133.89	1.00	32294.70	343742.00	32294.70	>100
38	2202.38	1	SLU	106.16	-10.45	0.85	11.31	106.67	1.00	32294.70	342688.00	32294.70	>100
39	2261.90	1	SLU	80.70	-7.95	0.85	11.31	81.09	1.00	32294.70	341635.00	32294.70	>100
40	2321.43	1	SLU	57.21	-5.63	0.85	11.31	57.48	1.00	32294.70	340584.00	32294.70	>100
41	2380.95	1	SLU	35.87	-3.53	0.85	11.31	36.04	1.00	32294.70	339534.00	32294.70	>100
42	2440.48	1	SLU	16.79	-1.65	0.85	11.31	16.87	1.00	32294.70	338485.00	32294.70	>100

Verifiche stato limite d'esercizio

Caso	X <cm>	CC	TCC	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ_c <daN/cmq>	σ_f <daN/cmq>
44	0.00	2	SLE R	-239498.00	22329.40	-20912.50	0.00	78.54	35.18	507.36
45	0.00	2	SLE R	-239498.00	22329.40	-20912.50	0.00	78.54	35.18	507.36
46	59.52	2	SLE R	-239173.00	23466.90	-21977.80	0.00	78.54	35.95	517.94
47	59.52	2	SLE R	-237625.00	23466.90	-21977.80	0.00	78.54	35.83	516.05
48	119.05	2	SLE R	-236370.00	23477.40	-21987.70	0.00	78.54	35.73	514.62
49	119.05	2	SLE R	-232196.00	23477.40	-21987.70	0.00	78.54	35.39	509.53
50	178.57	2	SLE R	-233097.00	22642.80	-21206.00	0.00	78.54	34.88	502.58
51	178.57	2	SLE R	-226767.00	22642.80	-21206.00	0.00	78.54	34.37	494.86
52	238.09	2	SLE R	-229352.00	21204.80	-19859.30	0.00	78.54	33.56	484.14
53	238.09	2	SLE R	-221339.00	21204.80	-19859.30	0.00	78.54	32.91	474.37
54	297.62	2	SLE R	-225137.00	19366.30	-18137.40	0.00	78.54	31.93	461.27
55	297.62	2	SLE R	-215917.00	19366.30	-18137.40	0.00	78.54	31.18	450.03
56	357.14	2	SLE R	-220451.00	17293.40	-16196.10	0.00	78.54	30.09	435.57
57	357.14	2	SLE R	-210523.00	17293.40	-16196.10	0.00	78.54	29.28	423.46
58	416.67	2	SLE R	-215295.00	15119.40	-14160.00	0.00	78.54	28.14	408.31
59	416.67	2	SLE R	-205156.00	15119.40	-14160.00	0.00	78.54	27.31	395.95
60	476.19	2	SLE R	-209686.00	12947.60	-12126.00	0.00	78.54	26.15	380.53
61	476.19	2	SLE R	-199815.00	12947.60	-12126.00	0.00	78.54	25.35	368.50
62	535.71	2	SLE R	-204104.00	10855.30	-10166.50	0.00	78.54	24.23	353.55
63	535.71	2	SLE R	-194499.00	10855.30	-10166.50	0.00	78.54	23.45	341.83
64	595.24	2	SLE R	-198548.00	8897.80	-8333.19	0.00	78.54	22.40	327.89
65	595.24	2	SLE R	-189208.00	8897.80	-8333.19	0.00	78.54	21.64	316.50
66	654.76	2	SLE R	-193017.00	7111.48	-6660.22	0.00	78.54	20.69	303.92
67	654.76	2	SLE R	-183941.00	7111.48	-6660.22	0.00	78.54	19.96	292.86
68	714.29	2	SLE R	-187511.00	5517.59	-5167.47	0.00	78.54	19.12	281.84
69	714.29	2	SLE R	-178697.00	5517.59	-5167.47	0.00	78.54	18.41	271.09
70	773.81	2	SLE R	-182028.00	4125.12	-3863.36	0.00	78.54	17.70	261.72
71	773.81	2	SLE R	-173476.00	4125.12	-3863.36	0.00	78.54	17.00	251.29
72	833.33	2	SLE R	-176569.00	2933.57	-2747.42	0.00	78.54	16.42	243.57
73	833.33	2	SLE R	-168277.00	2933.57	-2747.42	0.00	78.54	15.74	233.46
74	892.86	2	SLE R	-171132.00	1935.39	-1812.58	0.00	78.54	15.27	227.32
75	892.86	2	SLE R	-163100.00	1935.39	-1812.58	0.00	78.54	14.62	217.52
76	952.38	2	SLE R	-165717.00	1117.95	-1047.01	0.00	78.54	14.26	212.83
77	952.38	2	SLE R	-157943.00	1117.95	-1047.01	0.00	78.54	13.62	203.35
78	1011.90	2	SLE R	-160322.00	465.32	-435.80	0.00	78.54	13.36	199.96
79	1011.90	2	SLE R	-152806.00	465.32	-435.80	0.00	78.54	12.75	190.79
80	1071.43	2	SLE R	-154948.00	-40.34	37.78	0.00	78.54	12.62	189.31
81	1071.43	2	SLE R	-147688.00	-40.34	37.78	0.00	78.54	12.03	180.45
82	1130.95	2	SLE R	-149594.00	-417.70	391.19	0.00	78.54	12.45	186.39
83	1130.95	2	SLE R	-142590.00	-417.70	391.19	0.00	78.54	11.88	177.85
84	1190.48	2	SLE R	-144259.00	-685.33	641.84	0.00	78.54	12.21	182.44
85	1190.48	2	SLE R	-137509.00	-685.33	641.84	0.00	78.54	11.66	174.22
86	1250.00	2	SLE R	-138942.00	-861.10	806.45	0.00	78.54	11.90	177.65
87	1250.00	2	SLE R	-132446.00	-861.10	806.45	0.00	78.54	11.37	169.72
88	1309.52	2	SLE R	-133643.00	-961.68	900.66	0.00	78.54	11.54	172.15
89	1309.52	2	SLE R	-127399.00	-961.68	900.66	0.00	78.54	11.03	164.53
90	1369.05	2	SLE R	-128360.00	-1002.29	938.69	0.00	78.54	11.14	166.09
91	1369.05	2	SLE R	-122369.00	-1002.29	938.69	0.00	78.54	10.65	158.79
92	1428.57	2	SLE R	-123094.00	-996.47	933.24	0.00	78.54	10.71	159.62
93	1428.57	2	SLE R	-117355.00	-996.47	933.24	0.00	78.54	10.24	152.62
94	1488.10	2	SLE R	-117844.00	-956.05	895.38	0.00	78.54	10.25	152.83
95	1488.10	2	SLE R	-112355.00	-956.05	895.38	0.00	78.54	9.81	146.14
96	1547.62	2	SLE R	-112608.00	-891.13	834.59	0.00	78.54	9.78	145.82
97	1547.62	2	SLE R	-107369.00	-891.13	834.59	0.00	78.54	9.35	139.44
98	1607.14	2	SLE R	-107387.00	-810.19	758.78	0.00	78.54	9.30	138.69
99	1607.14	2	SLE R	-102398.00	-810.19	758.78	0.00	78.54	8.89	132.60
100	1666.67	2	SLE R	-102180.00	-720.16	674.46	0.00	78.54	8.81	131.47
101	1666.67	2	SLE R	-97438.60	-720.16	674.46	0.00	78.54	8.43	125.69
102	1726.19	2	SLE R	-96985.30	-626.58	586.82	0.00	78.54	8.32	124.25
103	1726.19	2	SLE R	-92492.20	-626.58	586.82	0.00	78.54	7.96	118.77
104	1785.71	2	SLE R	-91803.00	-533.75	499.89	0.00	78.54	7.84	117.04
105	1785.71	2	SLE R	-87557.40	-533.75	499.89	0.00	78.54	7.49	111.86
106	1845.24	2	SLE R	-86632.40	-444.91	416.68	0.00	78.54	7.35	109.88
107	1845.24	2	SLE R	-82633.80	-444.91	416.68	0.00	78.54	7.03	105.01
108	1904.76	2	SLE R	-81472.90	-362.35	339.36	0.00	78.54	6.88	102.80
109	1904.76	2	SLE R	-77720.70	-362.35	339.36	0.00	78.54	6.57	98.23
110	1964.29	2	SLE R	-76323.60	-287.62	269.37	0.00	78.54	6.41	95.81

111	1964.29	2	SLE R	-72817.40	-287.62	269.37	0.00	78.54	6.12	91.53
112	2023.81	2	SLE R	-71184.10	-221.63	207.56	0.00	78.54	5.94	88.91
113	2023.81	2	SLE R	-67923.40	-221.63	207.56	0.00	78.54	5.68	84.94
114	2083.33	2	SLE R	-66053.60	-164.80	154.34	0.00	78.54	5.48	82.11
115	2083.33	2	SLE R	-63038.00	-164.80	154.34	0.00	78.54	5.24	78.44
116	2142.86	2	SLE R	-60931.50	-117.17	109.73	0.00	78.54	5.04	75.41
117	2142.86	2	SLE R	-58160.60	-117.17	109.73	0.00	78.54	4.81	72.03
118	2202.38	2	SLE R	-55817.10	-78.50	73.52	0.00	78.54	4.59	68.81
119	2202.38	2	SLE R	-53290.60	-78.50	73.52	0.00	78.54	4.39	65.73
120	2261.90	2	SLE R	-50709.80	-48.34	45.27	0.00	78.54	4.16	62.29
121	2261.90	2	SLE R	-48427.30	-48.34	45.27	0.00	78.54	3.97	59.51
122	2321.43	2	SLE R	-45608.90	-26.09	24.44	0.00	78.54	3.73	55.86
123	2321.43	2	SLE R	-43570.20	-26.09	24.44	0.00	78.54	3.56	53.37
124	2380.95	2	SLE R	-40513.90	-11.11	10.40	0.00	78.54	3.30	49.50
125	2380.95	2	SLE R	-38718.70	-11.11	10.40	0.00	78.54	3.15	47.31
126	2440.48	2	SLE R	-35423.90	-2.65	2.48	0.00	78.54	2.88	43.22
127	2440.48	2	SLE R	-33872.00	-2.65	2.48	0.00	78.54	2.76	41.32
128	2500.00	2	SLE R	-30338.50	0.00	0.00	0.00	78.54	2.47	36.99
129	2500.00	2	SLE R	-29029.70	0.00	0.00	0.00	78.54	2.36	35.39
130	0.00	4	SLE Q	-239498.00	22329.40	-20912.50	0.00	78.54	35.18	507.36
131	0.00	4	SLE Q	-239498.00	22329.40	-20912.50	0.00	78.54	35.18	507.36
132	59.52	4	SLE Q	-239173.00	23466.90	-21977.80	0.00	78.54	35.95	517.94
133	59.52	4	SLE Q	-237625.00	23466.90	-21977.80	0.00	78.54	35.83	516.05
134	119.05	4	SLE Q	-236370.00	23477.40	-21987.70	0.00	78.54	35.73	514.62
135	119.05	4	SLE Q	-232196.00	23477.40	-21987.70	0.00	78.54	35.39	509.53
136	178.57	4	SLE Q	-233097.00	22642.80	-21206.00	0.00	78.54	34.88	502.58
137	178.57	4	SLE Q	-226767.00	22642.80	-21206.00	0.00	78.54	34.37	494.86
138	238.09	4	SLE Q	-229352.00	21204.80	-19859.30	0.00	78.54	33.56	484.14
139	238.09	4	SLE Q	-221339.00	21204.80	-19859.30	0.00	78.54	32.91	474.37
140	297.62	4	SLE Q	-225137.00	19366.30	-18137.40	0.00	78.54	31.93	461.27
141	297.62	4	SLE Q	-215917.00	19366.30	-18137.40	0.00	78.54	31.18	450.03
142	357.14	4	SLE Q	-220451.00	17293.40	-16196.10	0.00	78.54	30.09	435.57
143	357.14	4	SLE Q	-210523.00	17293.40	-16196.10	0.00	78.54	29.28	423.46
144	416.67	4	SLE Q	-215295.00	15119.40	-14160.00	0.00	78.54	28.14	408.31
145	416.67	4	SLE Q	-205156.00	15119.40	-14160.00	0.00	78.54	27.31	395.95
146	476.19	4	SLE Q	-209686.00	12947.60	-12126.00	0.00	78.54	26.15	380.53
147	476.19	4	SLE Q	-199815.00	12947.60	-12126.00	0.00	78.54	25.35	368.50
148	535.71	4	SLE Q	-204104.00	10855.30	-10166.50	0.00	78.54	24.23	353.55
149	535.71	4	SLE Q	-194499.00	10855.30	-10166.50	0.00	78.54	23.45	341.83
150	595.24	4	SLE Q	-198548.00	8897.80	-8333.19	0.00	78.54	22.40	327.89
151	595.24	4	SLE Q	-189208.00	8897.80	-8333.19	0.00	78.54	21.64	316.50
152	654.76	4	SLE Q	-193017.00	7111.48	-6660.22	0.00	78.54	20.69	303.92
153	654.76	4	SLE Q	-183941.00	7111.48	-6660.22	0.00	78.54	19.96	292.86
154	714.29	4	SLE Q	-187511.00	5517.59	-5167.47	0.00	78.54	19.12	281.84
155	714.29	4	SLE Q	-178697.00	5517.59	-5167.47	0.00	78.54	18.41	271.09
156	773.81	4	SLE Q	-182028.00	4125.12	-3863.36	0.00	78.54	17.70	261.72
157	773.81	4	SLE Q	-173476.00	4125.12	-3863.36	0.00	78.54	17.00	251.29
158	833.33	4	SLE Q	-176569.00	2933.57	-2747.42	0.00	78.54	16.42	243.57
159	833.33	4	SLE Q	-168277.00	2933.57	-2747.42	0.00	78.54	15.74	233.46
160	892.86	4	SLE Q	-171132.00	1935.39	-1812.58	0.00	78.54	15.27	227.32
161	892.86	4	SLE Q	-163100.00	1935.39	-1812.58	0.00	78.54	14.62	217.52
162	952.38	4	SLE Q	-165717.00	1117.95	-1047.01	0.00	78.54	14.26	212.83
163	952.38	4	SLE Q	-157943.00	1117.95	-1047.01	0.00	78.54	13.62	203.35
164	1011.90	4	SLE Q	-160322.00	465.32	-435.80	0.00	78.54	13.36	199.96
165	1011.90	4	SLE Q	-152806.00	465.32	-435.80	0.00	78.54	12.75	190.79
166	1071.43	4	SLE Q	-154948.00	-40.34	37.78	0.00	78.54	12.62	189.31
167	1071.43	4	SLE Q	-147688.00	-40.34	37.78	0.00	78.54	12.03	180.45
168	1130.95	4	SLE Q	-149594.00	-417.70	391.19	0.00	78.54	12.45	186.39
169	1130.95	4	SLE Q	-142590.00	-417.70	391.19	0.00	78.54	11.88	177.85
170	1190.48	4	SLE Q	-144259.00	-685.33	641.84	0.00	78.54	12.21	182.44
171	1190.48	4	SLE Q	-137509.00	-685.33	641.84	0.00	78.54	11.66	174.22
172	1250.00	4	SLE Q	-138942.00	-861.10	806.45	0.00	78.54	11.90	177.65
173	1250.00	4	SLE Q	-132446.00	-861.10	806.45	0.00	78.54	11.37	169.72
174	1309.52	4	SLE Q	-133643.00	-961.68	900.66	0.00	78.54	11.54	172.15
175	1309.52	4	SLE Q	-127399.00	-961.68	900.66	0.00	78.54	11.03	164.53
176	1369.05	4	SLE Q	-128360.00	-1002.29	938.69	0.00	78.54	11.14	166.09
177	1369.05	4	SLE Q	-122369.00	-1002.29	938.69	0.00	78.54	10.65	158.79
178	1428.57	4	SLE Q	-123094.00	-996.47	933.24	0.00	78.54	10.71	159.62
179	1428.57	4	SLE Q	-117355.00	-996.47	933.24	0.00	78.54	10.24	152.62
180	1488.10	4	SLE Q	-117844.00	-956.05	895.38	0.00	78.54	10.25	152.83
181	1488.10	4	SLE Q	-112355.00	-956.05	895.38	0.00	78.54	9.81	146.14
182	1547.62	4	SLE Q	-112608.00	-891.13	834.59	0.00	78.54	9.78	145.82
183	1547.62	4	SLE Q	-107369.00	-891.13	834.59	0.00	78.54	9.35	139.44
184	1607.14	4	SLE Q	-107387.00	-810.19	758.78	0.00	78.54	9.30	138.69
185	1607.14	4	SLE Q	-102398.00	-810.19	758.78	0.00	78.54	8.89	132.60
186	1666.67	4	SLE Q	-102180.00	-720.16	674.46	0.00	78.54	8.81	131.47

187	1666.67	4	SLE Q	-97438.60	-720.16	674.46	0.00	78.54	8.43	125.69
188	1726.19	4	SLE Q	-96985.30	-626.58	586.82	0.00	78.54	8.32	124.25
189	1726.19	4	SLE Q	-92492.20	-626.58	586.82	0.00	78.54	7.96	118.77
190	1785.71	4	SLE Q	-91803.00	-533.75	499.89	0.00	78.54	7.84	117.04
191	1785.71	4	SLE Q	-87557.40	-533.75	499.89	0.00	78.54	7.49	111.86
192	1845.24	4	SLE Q	-86632.40	-444.91	416.68	0.00	78.54	7.35	109.88
193	1845.24	4	SLE Q	-82633.80	-444.91	416.68	0.00	78.54	7.03	105.01
194	1904.76	4	SLE Q	-81472.90	-362.35	339.36	0.00	78.54	6.88	102.80
195	1904.76	4	SLE Q	-77720.70	-362.35	339.36	0.00	78.54	6.57	98.23
196	1964.29	4	SLE Q	-76323.60	-287.62	269.37	0.00	78.54	6.41	95.81
197	1964.29	4	SLE Q	-72817.40	-287.62	269.37	0.00	78.54	6.12	91.53
198	2023.81	4	SLE Q	-71184.10	-221.63	207.56	0.00	78.54	5.94	88.91
199	2023.81	4	SLE Q	-67923.40	-221.63	207.56	0.00	78.54	5.68	84.94
200	2083.33	4	SLE Q	-66053.60	-164.80	154.34	0.00	78.54	5.48	82.11
201	2083.33	4	SLE Q	-63038.00	-164.80	154.34	0.00	78.54	5.24	78.44
202	2142.86	4	SLE Q	-60931.50	-117.17	109.73	0.00	78.54	5.04	75.41
203	2142.86	4	SLE Q	-58160.60	-117.17	109.73	0.00	78.54	4.81	72.03
204	2202.38	4	SLE Q	-55817.10	-78.50	73.52	0.00	78.54	4.59	68.81
205	2202.38	4	SLE Q	-53290.60	-78.50	73.52	0.00	78.54	4.39	65.73
206	2261.90	4	SLE Q	-50709.80	-48.34	45.27	0.00	78.54	4.16	62.29
207	2261.90	4	SLE Q	-48427.30	-48.34	45.27	0.00	78.54	3.97	59.51
208	2321.43	4	SLE Q	-45608.90	-26.09	24.44	0.00	78.54	3.73	55.86
209	2321.43	4	SLE Q	-43570.20	-26.09	24.44	0.00	78.54	3.56	53.37
210	2380.95	4	SLE Q	-40513.90	-11.11	10.40	0.00	78.54	3.30	49.50
211	2380.95	4	SLE Q	-38718.70	-11.11	10.40	0.00	78.54	3.15	47.31
212	2440.48	4	SLE Q	-35423.90	-2.65	2.48	0.00	78.54	2.88	43.22
213	2440.48	4	SLE Q	-33872.00	-2.65	2.48	0.00	78.54	2.76	41.32
214	2500.00	4	SLE Q	-30338.50	0.00	0.00	0.00	78.54	2.47	36.99
215	2500.00	4	SLE Q	-29029.70	0.00	0.00	0.00	78.54	2.36	35.39

Verifiche principali

Caso	Tipo
3	SLU N cost - min. sic.
8	SLU Taglio - min. sic. c.a.,SLU Taglio - min. sic. acciaio
46	C.Rare - Sc min (max compr.),C.Rare - Sf min (max compr.)
49	C.Rare - Sc max (min. compr.)
129	C.Rare - Sf max (max traz.)
132	C.Q.Per. - Sc min (max compr.),C.Q.Per. - Sf min (max compr.)
135	C.Q.Per. - Sc max (min. compr.)
215	C.Q.Per. - Sf max (max traz.)

Palo n. 23

Caratteristiche del palo e dei materiali utilizzati

R <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
60.00	6.00	C30/37	307.10	20.59	174.02	13.73	B450C	4300.00	3913.04

Le sollecitazioni nei pali vengono calcolate oltre che per l'effetto delle reazioni vincolari anche considerando i seguenti effetti

Azioni ed effetti comuni

Az	N <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
PP	0.00	0.00	0.00	
SVR	0.00			

Azioni ed effetti - Plinto/Palo n. 23 (-178)

Caso	CC	TCC	Az	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	RVN	336192.00	5468.13	-188.53	-37610.20	-10993.10
	1	SLU	TAG				0.00	0.00
	1	SLU	ECC				0.00	0.00
	1	SLU	TOT	336192.00	5468.13	-188.53	-37610.20	-10993.10
2	2	SLE R	RVN	249031.00	4050.47	-139.65	-27859.40	-8143.06
	2	SLE R	TAG				0.00	0.00
	2	SLE R	ECC				0.00	0.00
	2	SLE R	TOT	249031.00	4050.47	-139.65	-27859.40	-8143.06
3	3	SLE F	RVN	249031.00	4050.47	-139.65	-27859.40	-8143.06
	3	SLE F	TAG				0.00	0.00
	3	SLE F	ECC				0.00	0.00
	3	SLE F	TOT	249031.00	4050.47	-139.65	-27859.40	-8143.06
4	4	SLE Q	RVN	249031.00	4050.47	-139.65	-27859.40	-8143.06
	4	SLE Q	TAG				0.00	0.00
	4	SLE Q	ECC				0.00	0.00
	4	SLE Q	TOT	249031.00	4050.47	-139.65	-27859.40	-8143.06

Sollecitazioni nei pali

Caso	CC	TCC	Palo	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	1	-336192.00	-5468.13	188.53	37610.20	10993.10
2	2	SLE R	1	-249031.00	-4050.47	139.65	27859.40	8143.06
3	3	SLE F	1	-249031.00	-4050.47	139.65	27859.40	8143.06
4	4	SLE Q	1	-249031.00	-4050.47	139.65	27859.40	8143.06

Da 0 a -25

Stato limite ultimo - Verifiche a flessione/pressoflessione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	Rott.	α <grad>	Sic.
1	0.00	1	SLU	-336192.00	-37205.20	10874.80	-336192.00	-255771.00	74911.80	2-3	16.25	6.876
2	59.52	1	SLU	-335868.00	-39202.50	11458.50	-335868.00	-255681.00	74883.80	2-3	16.25	6.523
3	119.05	1	SLU	-333065.00	-39292.60	11484.90	-333065.00	-254900.00	74642.40	2-3	16.25	6.488
4	178.57	1	SLU	-329791.00	-37950.20	11092.50	-329791.00	-253984.00	74359.30	2-3	16.25	6.693
5	238.09	1	SLU	-326046.00	-35582.40	10400.40	-326046.00	-252930.00	74032.70	2-3	16.25	7.109
6	297.62	1	SLU	-321831.00	-32531.00	9508.54	-321831.00	-251743.00	73665.10	2-3	16.25	7.739
7	357.14	1	SLU	-317146.00	-29076.90	8498.93	-2571250.00	-250412.00	73252.50	2-3	16.25	8.107
8	416.67	1	SLU	-311989.00	-25444.90	7437.31	-2571250.00	-248944.00	72797.10	2-3	16.25	8.241
9	476.19	1	SLU	-306362.00	-21809.80	6374.82	-2571250.00	-247329.00	72295.70	2-3	16.25	8.393
10	535.71	1	SLU	-300265.00	-18302.90	5349.79	-2571250.00	-245574.00	71750.40	2-3	16.25	8.563
11	595.24	1	SLU	-293696.00	-15018.00	4389.64	-2571250.00	-243665.00	71156.50	2-3	16.25	8.755
12	654.76	1	SLU	-286658.00	-12017.30	3512.55	-2571250.00	-241608.00	70516.10	2-3	16.25	8.970
13	714.29	1	SLU	-279148.00	-9337.25	2729.20	-2571250.00	-239400.00	69828.10	2-3	16.25	9.211
14	773.81	1	SLU	-271169.00	-6993.74	2044.21	-2571250.00	-237035.00	69090.10	2-3	16.25	9.482
15	833.33	1	SLU	-262925.00	-4986.55	1457.53	-2571250.00	-234572.00	68320.70	2-3	16.25	9.779
16	892.86	1	SLU	-254715.00	-3303.47	965.58	-2571250.00	-232101.00	67548.20	2-3	16.25	10.095
17	952.38	1	SLU	-246537.00	-1923.71	562.28	-2571250.00	-229623.00	66772.80	2-3	16.25	10.430
18	1011.90	1	SLU	-238390.00	-820.83	239.92	-2571250.00	-227139.00	65994.60	2-3	16.25	10.786
19	1071.43	1	SLU	-230274.00	34.95	-10.21	-2571250.00	224674.00	-65683.30	2-3	196.25	11.166
20	1130.95	1	SLU	-222187.00	674.77	-197.23	-2571250.00	222068.00	-64871.60	2-3	196.25	11.572
21	1190.48	1	SLU	-214128.00	1129.75	-330.22	-2571250.00	219453.00	-64056.40	2-3	196.25	12.008
22	1250.00	1	SLU	-206096.00	1429.83	-417.93	-2571250.00	216829.00	-63237.80	2-3	196.25	12.476
23	1309.52	1	SLU	-198090.00	1603.00	-468.54	-2571250.00	214195.00	-62415.80	2-3	196.25	12.980
24	1369.05	1	SLU	-190110.00	1674.80	-489.53	-2571250.00	211551.00	-61590.50	2-3	196.25	13.525
25	1428.57	1	SLU	-182154.00	1668.01	-487.55	-2571250.00	208895.00	-60760.40	2-3	196.25	14.116
26	1488.10	1	SLU	-174221.00	1602.55	-468.41	-2571250.00	206231.00	-59927.40	2-3	196.25	14.759
27	1547.62	1	SLU	-166310.00	1495.43	-437.10	-2571250.00	203558.00	-59091.50	2-3	196.25	15.461
28	1607.14	1	SLU	-158420.00	1360.94	-397.79	-2571250.00	200876.00	-58252.90	2-3	196.25	16.231
29	1666.67	1	SLU	-150550.00	1210.78	-353.90	-2571250.00	198185.00	-57411.10	2-3	196.25	17.079
30	1726.19	1	SLU	-142699.00	1054.31	-308.17	-2571250.00	195484.00	-56565.60	2-3	196.25	18.019
31	1785.71	1	SLU	-134867.00	898.83	-262.72	-2571250.00	192775.00	-55717.80	2-3	196.25	19.065
32	1845.24	1	SLU	-127051.00	749.80	-219.16	-2571250.00	190059.00	-54867.60	2-3	196.25	20.238
33	1904.76	1	SLU	-119252.00	611.13	-178.63	-2571250.00	187314.00	-54046.50	2-3	196.25	21.561
34	1964.29	1	SLU	-111468.00	485.47	-141.90	-2571250.00	184419.00	-53434.40	2-3	196.25	23.067
35	2023.81	1	SLU	-103698.00	374.39	-109.43	-2571250.00	181510.00	-52825.10	2-3	196.25	24.796
36	2083.33	1	SLU	-95940.90	278.63	-81.44	-2571250.00	178589.00	-52218.30	2-3	196.25	26.800
37	2142.86	1	SLU	-88196.20	198.28	-57.96	-2571250.00	175655.00	-51613.70	2-3	196.25	29.154
38	2202.38	1	SLU	-80462.80	132.97	-38.87	-2571250.00	172707.00	-50933.90	2-3	196.25	31.956
39	2261.90	1	SLU	-72739.50	81.96	-23.96	-2571250.00	169739.00	-50022.40	2-3	196.25	35.349
40	2321.43	1	SLU	-65025.50	44.30	-12.95	-2571250.00	166754.00	-49102.10	2-3	196.25	39.542
41	2380.95	1	SLU	-57319.70	18.87	-5.52	-2571250.00	163753.00	-48174.30	2-3	196.25	44.858
42	2440.48	1	SLU	-49621.20	4.51	-1.32	-2571250.00	160738.00	-47239.10	2-3	196.25	51.818
43	2500.00	1	SLU	-41929.00	0.00	0.00	-2571250.00					61.324

Stato limite ultimo - Verifiche a taglio

Caso	X <cm>	CC	TCC	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1	0.00	1	SLU	5468.13	-188.53	0.85	11.31	5471.38	1.00	32294.70	379824.00	32294.70	5.902
2	59.52	1	SLU	1677.41	-57.83	0.85	11.31	1678.40	1.00	32294.70	379778.00	32294.70	19.241
3	119.05	1	SLU	-1223.73	42.19	0.85	11.31	1224.46	1.00	32294.70	379376.00	32294.70	26.375
4	178.57	1	SLU	-3354.08	115.64	0.85	11.31	3356.07	1.00	32294.70	378907.00	32294.70	9.623
5	238.09	1	SLU	-4830.30	166.53	0.85	11.31	4833.17	1.00	32294.70	378371.00	32294.70	6.682
6	297.62	1	SLU	-5763.32	198.70	0.85	11.31	5766.74	1.00	32294.70	377767.00	32294.70	5.600
7	357.14	1	SLU	-6255.75	215.68	0.85	11.31	6259.47	1.00	32294.70	377096.00	32294.70	5.159
8	416.67	1	SLU	-6400.32	220.66	0.85	11.31	6404.13	1.00	32294.70	376357.00	32294.70	5.043
9	476.19	1	SLU	-6279.00	216.48	0.85	11.31	6282.73	1.00	32294.70	375551.00	32294.70	5.140
10	535.71	1	SLU	-5962.74	205.58	0.85	11.31	5966.28	1.00	32294.70	374678.00	32294.70	5.413
11	595.24	1	SLU	-5511.74	190.03	0.85	11.31	5515.02	1.00	32294.70	373737.00	32294.70	5.856
12	654.76	1	SLU	-4975.94	171.56	0.85	11.31	4978.90	1.00	32294.70	372729.00	32294.70	6.486
13	714.29	1	SLU	-4395.80	151.55	0.85	11.31	4398.41	1.00	32294.70	371653.00	32294.70	7.342
14	773.81	1	SLU	-3803.25	131.13	0.85	11.31	3805.51	1.00	32294.70	370510.00	32294.70	8.486
15	833.33	1	SLU	-3222.65	111.11	0.85	11.31	3224.56	1.00	32294.70	369329.00	32294.70	10.015
16	892.86	1	SLU	-2671.83	92.12	0.85	11.31	2673.42	1.00	32294.70	368153.00	32294.70	12.080

17	952.38	1	SLU	-2163.09	74.58	0.85	11.31	2164.37	1.00	32294.70	366982.00	32294.70	14.921
18	1011.90	1	SLU	-1704.13	58.75	0.85	11.31	1705.15	1.00	32294.70	365815.00	32294.70	18.940
19	1071.43	1	SLU	-1298.95	44.78	0.85	11.31	1299.72	1.00	32294.70	364652.00	32294.70	24.847
20	1130.95	1	SLU	-948.60	32.70	0.85	11.31	949.17	1.00	32294.70	363494.00	32294.70	34.024
21	1190.48	1	SLU	-651.92	22.48	0.85	11.31	652.30	1.00	32294.70	362340.00	32294.70	49.509
22	1250.00	1	SLU	-406.09	14.00	0.85	11.31	406.33	1.00	32294.70	361189.00	32294.70	79.479
23	1309.52	1	SLU	-207.21	7.14	0.85	11.31	207.33	1.00	32294.70	360042.00	32294.70	>100
24	1369.05	1	SLU	-50.64	1.75	0.85	11.31	50.67	1.00	32294.70	358899.00	32294.70	>100
25	1428.57	1	SLU	68.57	-2.36	0.85	11.31	68.62	1.00	32294.70	357760.00	32294.70	>100
26	1488.10	1	SLU	155.51	-5.36	0.85	11.31	155.60	1.00	32294.70	356623.00	32294.70	>100
27	1547.62	1	SLU	215.10	-7.42	0.85	11.31	215.22	1.00	32294.70	355490.00	32294.70	>100
28	1607.14	1	SLU	252.02	-8.69	0.85	11.31	252.17	1.00	32294.70	354360.00	32294.70	>100
29	1666.67	1	SLU	270.59	-9.33	0.85	11.31	270.75	1.00	32294.70	353233.00	32294.70	>100
30	1726.19	1	SLU	274.68	-9.47	0.85	11.31	274.84	1.00	32294.70	352108.00	32294.70	>100
31	1785.71	1	SLU	267.69	-9.23	0.85	11.31	267.85	1.00	32294.70	350986.00	32294.70	>100
32	1845.24	1	SLU	252.57	-8.71	0.85	11.31	252.72	1.00	32294.70	349867.00	32294.70	>100
33	1904.76	1	SLU	231.79	-7.99	0.85	11.31	231.93	1.00	32294.70	348750.00	32294.70	>100
34	1964.29	1	SLU	207.39	-7.15	0.85	11.31	207.52	1.00	32294.70	347635.00	32294.70	>100
35	2023.81	1	SLU	181.03	-6.24	0.85	11.31	181.13	1.00	32294.70	346522.00	32294.70	>100
36	2083.33	1	SLU	153.98	-5.31	0.85	11.31	154.07	1.00	32294.70	345411.00	32294.70	>100
37	2142.86	1	SLU	127.23	-4.39	0.85	11.31	127.30	1.00	32294.70	344301.00	32294.70	>100
38	2202.38	1	SLU	101.49	-3.50	0.85	11.31	101.55	1.00	32294.70	343194.00	32294.70	>100
39	2261.90	1	SLU	77.25	-2.66	0.85	11.31	77.30	1.00	32294.70	342087.00	32294.70	>100
40	2321.43	1	SLU	54.84	-1.89	0.85	11.31	54.87	1.00	32294.70	340982.00	32294.70	>100
41	2380.95	1	SLU	34.44	-1.19	0.85	11.31	34.46	1.00	32294.70	339879.00	32294.70	>100
42	2440.48	1	SLU	16.15	-0.56	0.85	11.31	16.16	1.00	32294.70	338776.00	32294.70	>100

Verifiche stato limite d'esercizio

Caso	X <cm>	CC	TCC	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ_c <daN/cmq>	σ_f <daN/cmq>
44	0.00	2	SLE R	-249031.00	8055.39	-27559.40	0.00	78.54	35.10	505.66
45	0.00	2	SLE R	-249031.00	8055.39	-27559.40	0.00	78.54	35.10	505.66
46	59.52	2	SLE R	-248707.00	8487.81	-29038.90	0.00	78.54	35.87	516.11
47	59.52	2	SLE R	-247158.00	8487.81	-29038.90	0.00	78.54	35.74	514.22
48	119.05	2	SLE R	-245904.00	8507.33	-29105.60	0.00	78.54	35.68	513.18
49	119.05	2	SLE R	-241729.00	8507.33	-29105.60	0.00	78.54	35.34	508.09
50	178.57	2	SLE R	-242630.00	8216.68	-28111.30	0.00	78.54	34.87	501.90
51	178.57	2	SLE R	-236301.00	8216.68	-28111.30	0.00	78.54	34.36	494.18
52	238.09	2	SLE R	-238886.00	7704.02	-26357.30	0.00	78.54	33.62	484.48
53	238.09	2	SLE R	-230872.00	7704.02	-26357.30	0.00	78.54	32.97	474.70
54	297.62	2	SLE R	-234670.00	7043.36	-24097.10	0.00	78.54	32.06	462.77
55	297.62	2	SLE R	-225444.00	7043.36	-24097.10	0.00	78.54	31.31	451.52
56	357.14	2	SLE R	-229985.00	6295.50	-21538.40	0.00	78.54	30.30	438.30
57	357.14	2	SLE R	-220015.00	6295.50	-21538.40	0.00	78.54	29.49	426.14
58	416.67	2	SLE R	-224828.00	5509.12	-18848.00	0.00	78.54	28.43	412.29
59	416.67	2	SLE R	-214587.00	5509.12	-18848.00	0.00	78.54	27.60	399.80
60	476.19	2	SLE R	-219201.00	4722.09	-16155.40	0.00	78.54	26.53	385.69
61	476.19	2	SLE R	-209159.00	4722.09	-16155.40	0.00	78.54	25.71	373.44
62	535.71	2	SLE R	-213357.00	3962.81	-13557.70	0.00	78.54	24.65	359.52
63	535.71	2	SLE R	-203732.00	3962.81	-13557.70	0.00	78.54	23.87	347.79
64	595.24	2	SLE R	-207540.00	3251.58	-11124.50	0.00	78.54	22.87	334.59
65	595.24	2	SLE R	-198304.00	3251.58	-11124.50	0.00	78.54	22.11	323.33
66	654.76	2	SLE R	-201749.00	2601.89	-8901.69	0.00	78.54	21.20	311.24
67	654.76	2	SLE R	-192877.00	2601.89	-8901.69	0.00	78.54	20.48	300.42
68	714.29	2	SLE R	-195984.00	2021.63	-6916.48	0.00	78.54	19.66	289.65
69	714.29	2	SLE R	-187450.00	2021.63	-6916.48	0.00	78.54	18.96	279.25
70	773.81	2	SLE R	-190244.00	1514.23	-5180.55	0.00	78.54	18.26	269.93
71	773.81	2	SLE R	-182024.00	1514.23	-5180.55	0.00	78.54	17.59	259.91
72	833.33	2	SLE R	-184528.00	1079.65	-3693.74	0.00	78.54	16.99	252.06
73	833.33	2	SLE R	-176598.00	1079.65	-3693.74	0.00	78.54	16.35	242.39
74	892.86	2	SLE R	-178835.00	715.24	-2447.01	0.00	78.54	15.86	235.98
75	892.86	2	SLE R	-171172.00	715.24	-2447.01	0.00	78.54	15.23	226.64
76	952.38	2	SLE R	-173166.00	416.51	-1424.97	0.00	78.54	14.84	221.58
77	952.38	2	SLE R	-165748.00	416.51	-1424.97	0.00	78.54	14.24	212.53
78	1011.90	2	SLE R	-167518.00	177.72	-608.02	0.00	78.54	13.94	208.70
79	1011.90	2	SLE R	-160345.00	177.72	-608.02	0.00	78.54	13.36	199.96
80	1071.43	2	SLE R	-161891.00	-7.57	25.89	0.00	78.54	13.17	197.57
81	1071.43	2	SLE R	-154963.00	-7.57	25.89	0.00	78.54	12.61	189.13
82	1130.95	2	SLE R	-156285.00	-146.10	499.83	0.00	78.54	12.97	194.20
83	1130.95	2	SLE R	-149600.00	-146.10	499.83	0.00	78.54	12.43	186.05
84	1190.48	2	SLE R	-150698.00	-244.60	836.85	0.00	78.54	12.70	189.85
85	1190.48	2	SLE R	-144257.00	-244.60	836.85	0.00	78.54	12.18	181.99
86	1250.00	2	SLE R	-145131.00	-309.57	1059.13	0.00	78.54	12.37	184.68
87	1250.00	2	SLE R	-138931.00	-309.57	1059.13	0.00	78.54	11.86	177.12
88	1309.52	2	SLE R	-139583.00	-347.07	1187.40	0.00	78.54	11.99	178.85
89	1309.52	2	SLE R	-133624.00	-347.07	1187.40	0.00	78.54	11.50	171.59
90	1369.05	2	SLE R	-134052.00	-362.61	1240.59	0.00	78.54	11.56	172.50

91	1369.05	2	SLE R	-128333.00	-362.61	1240.59	0.00	78.54	11.10	165.53
92	1428.57	2	SLE R	-128538.00	-361.14	1235.57	0.00	78.54	11.11	165.74
93	1428.57	2	SLE R	-123058.00	-361.14	1235.57	0.00	78.54	10.67	159.06
94	1488.10	2	SLE R	-123040.00	-346.97	1187.07	0.00	78.54	10.64	158.68
95	1488.10	2	SLE R	-117800.00	-346.97	1187.07	0.00	78.54	10.21	152.29
96	1547.62	2	SLE R	-117558.00	-323.78	1107.72	0.00	78.54	10.15	151.42
97	1547.62	2	SLE R	-112556.00	-323.78	1107.72	0.00	78.54	9.75	145.32
98	1607.14	2	SLE R	-112091.00	-294.66	1008.10	0.00	78.54	9.65	144.03
99	1607.14	2	SLE R	-107326.00	-294.66	1008.10	0.00	78.54	9.27	138.22
100	1666.67	2	SLE R	-106638.00	-262.15	896.87	0.00	78.54	9.15	136.56
101	1666.67	2	SLE R	-102110.00	-262.15	896.87	0.00	78.54	8.78	131.04
102	1726.19	2	SLE R	-101199.00	-228.27	780.97	0.00	78.54	8.65	129.09
103	1726.19	2	SLE R	-96907.10	-228.27	780.97	0.00	78.54	8.30	123.86
104	1785.71	2	SLE R	-95772.00	-194.61	665.80	0.00	78.54	8.14	121.63
105	1785.71	2	SLE R	-91716.40	-194.61	665.80	0.00	78.54	7.81	116.69
106	1845.24	2	SLE R	-90357.70	-162.34	555.41	0.00	78.54	7.64	114.22
107	1845.24	2	SLE R	-86537.30	-162.34	555.41	0.00	78.54	7.33	109.56
108	1904.76	2	SLE R	-84954.80	-132.32	452.69	0.00	78.54	7.15	106.89
109	1904.76	2	SLE R	-81369.20	-132.32	452.69	0.00	78.54	6.86	102.51
110	1964.29	2	SLE R	-79562.70	-105.11	359.61	0.00	78.54	6.66	99.63
111	1964.29	2	SLE R	-76211.50	-105.11	359.61	0.00	78.54	6.39	95.55
112	2023.81	2	SLE R	-74180.80	-81.06	277.32	0.00	78.54	6.18	92.47
113	2023.81	2	SLE R	-71063.40	-81.06	277.32	0.00	78.54	5.93	88.67
114	2083.33	2	SLE R	-68808.20	-60.33	206.39	0.00	78.54	5.70	85.40
115	2083.33	2	SLE R	-65924.40	-60.33	206.39	0.00	78.54	5.47	81.88
116	2142.86	2	SLE R	-63444.40	-42.93	146.88	0.00	78.54	5.24	78.43
117	2142.86	2	SLE R	-60793.70	-42.93	146.88	0.00	78.54	5.02	75.19
118	2202.38	2	SLE R	-58088.60	-28.79	98.50	0.00	78.54	4.77	71.54
119	2202.38	2	SLE R	-55670.70	-28.79	98.50	0.00	78.54	4.58	68.60
120	2261.90	2	SLE R	-52740.20	-17.75	60.71	0.00	78.54	4.32	64.75
121	2261.90	2	SLE R	-50554.80	-17.75	60.71	0.00	78.54	4.14	62.08
122	2321.43	2	SLE R	-47398.50	-9.59	32.81	0.00	78.54	3.87	58.03
123	2321.43	2	SLE R	-45445.40	-9.59	32.81	0.00	78.54	3.71	55.65
124	2380.95	2	SLE R	-42062.80	-4.09	13.98	0.00	78.54	3.43	51.39
125	2380.95	2	SLE R	-40341.70	-4.09	13.98	0.00	78.54	3.29	49.29
126	2440.48	2	SLE R	-36732.50	-0.98	3.34	0.00	78.54	2.99	44.81
127	2440.48	2	SLE R	-35243.10	-0.98	3.34	0.00	78.54	2.87	42.99
128	2500.00	2	SLE R	-31406.80	0.00	0.00	0.00	78.54	2.55	38.29
129	2500.00	2	SLE R	-30149.00	0.00	0.00	0.00	78.54	2.45	36.76
130	0.00	4	SLE Q	-249031.00	8055.39	-27559.40	0.00	78.54	35.10	505.66
131	0.00	4	SLE Q	-249031.00	8055.39	-27559.40	0.00	78.54	35.10	505.66
132	59.52	4	SLE Q	-248707.00	8487.81	-29038.90	0.00	78.54	35.87	516.11
133	59.52	4	SLE Q	-247158.00	8487.81	-29038.90	0.00	78.54	35.74	514.22
134	119.05	4	SLE Q	-245904.00	8507.33	-29105.60	0.00	78.54	35.68	513.18
135	119.05	4	SLE Q	-241729.00	8507.33	-29105.60	0.00	78.54	35.34	508.09
136	178.57	4	SLE Q	-242630.00	8216.68	-28111.30	0.00	78.54	34.87	501.90
137	178.57	4	SLE Q	-236301.00	8216.68	-28111.30	0.00	78.54	34.36	494.18
138	238.09	4	SLE Q	-238886.00	7704.02	-26357.30	0.00	78.54	33.62	484.48
139	238.09	4	SLE Q	-230872.00	7704.02	-26357.30	0.00	78.54	32.97	474.70
140	297.62	4	SLE Q	-234670.00	7043.36	-24097.10	0.00	78.54	32.06	462.77
141	297.62	4	SLE Q	-225444.00	7043.36	-24097.10	0.00	78.54	31.31	451.52
142	357.14	4	SLE Q	-229985.00	6295.50	-21538.40	0.00	78.54	30.30	438.30
143	357.14	4	SLE Q	-220015.00	6295.50	-21538.40	0.00	78.54	29.49	426.14
144	416.67	4	SLE Q	-224828.00	5509.12	-18848.00	0.00	78.54	28.43	412.29
145	416.67	4	SLE Q	-214587.00	5509.12	-18848.00	0.00	78.54	27.60	399.80
146	476.19	4	SLE Q	-219201.00	4722.09	-16155.40	0.00	78.54	26.53	385.69
147	476.19	4	SLE Q	-209159.00	4722.09	-16155.40	0.00	78.54	25.71	373.44
148	535.71	4	SLE Q	-213357.00	3962.81	-13557.70	0.00	78.54	24.65	359.52
149	535.71	4	SLE Q	-203732.00	3962.81	-13557.70	0.00	78.54	23.87	347.79
150	595.24	4	SLE Q	-207540.00	3251.58	-11124.50	0.00	78.54	22.87	334.59
151	595.24	4	SLE Q	-198304.00	3251.58	-11124.50	0.00	78.54	22.11	323.33
152	654.76	4	SLE Q	-201749.00	2601.89	-8901.69	0.00	78.54	21.20	311.24
153	654.76	4	SLE Q	-192877.00	2601.89	-8901.69	0.00	78.54	20.48	300.42
154	714.29	4	SLE Q	-195984.00	2021.63	-6916.48	0.00	78.54	19.66	289.65
155	714.29	4	SLE Q	-187450.00	2021.63	-6916.48	0.00	78.54	18.96	279.25
156	773.81	4	SLE Q	-190244.00	1514.23	-5180.55	0.00	78.54	18.26	269.93
157	773.81	4	SLE Q	-182024.00	1514.23	-5180.55	0.00	78.54	17.59	259.91
158	833.33	4	SLE Q	-184528.00	1079.65	-3693.74	0.00	78.54	16.99	252.06
159	833.33	4	SLE Q	-176598.00	1079.65	-3693.74	0.00	78.54	16.35	242.39
160	892.86	4	SLE Q	-178835.00	715.24	-2447.01	0.00	78.54	15.86	235.98
161	892.86	4	SLE Q	-171172.00	715.24	-2447.01	0.00	78.54	15.23	226.64
162	952.38	4	SLE Q	-173166.00	416.51	-1424.97	0.00	78.54	14.84	221.58
163	952.38	4	SLE Q	-165748.00	416.51	-1424.97	0.00	78.54	14.24	212.53
164	1011.90	4	SLE Q	-167518.00	177.72	-608.02	0.00	78.54	13.94	208.70
165	1011.90	4	SLE Q	-160345.00	177.72	-608.02	0.00	78.54	13.36	199.96
166	1071.43	4	SLE Q	-161891.00	-7.57	25.89	0.00	78.54	13.17	197.57

167	1071.43	4	SLE Q	-154963.00	-7.57	25.89	0.00	78.54	12.61	189.13
168	1130.95	4	SLE Q	-156285.00	-146.10	499.83	0.00	78.54	12.97	194.20
169	1130.95	4	SLE Q	-149600.00	-146.10	499.83	0.00	78.54	12.43	186.05
170	1190.48	4	SLE Q	-150698.00	-244.60	836.85	0.00	78.54	12.70	189.85
171	1190.48	4	SLE Q	-144257.00	-244.60	836.85	0.00	78.54	12.18	181.99
172	1250.00	4	SLE Q	-145131.00	-309.57	1059.13	0.00	78.54	12.37	184.68
173	1250.00	4	SLE Q	-138931.00	-309.57	1059.13	0.00	78.54	11.86	177.12
174	1309.52	4	SLE Q	-139583.00	-347.07	1187.40	0.00	78.54	11.99	178.85
175	1309.52	4	SLE Q	-133624.00	-347.07	1187.40	0.00	78.54	11.50	171.59
176	1369.05	4	SLE Q	-134052.00	-362.61	1240.59	0.00	78.54	11.56	172.50
177	1369.05	4	SLE Q	-128333.00	-362.61	1240.59	0.00	78.54	11.10	165.53
178	1428.57	4	SLE Q	-128538.00	-361.14	1235.57	0.00	78.54	11.11	165.74
179	1428.57	4	SLE Q	-123058.00	-361.14	1235.57	0.00	78.54	10.67	159.06
180	1488.10	4	SLE Q	-123040.00	-346.97	1187.07	0.00	78.54	10.64	158.68
181	1488.10	4	SLE Q	-117800.00	-346.97	1187.07	0.00	78.54	10.21	152.29
182	1547.62	4	SLE Q	-117558.00	-323.78	1107.72	0.00	78.54	10.15	151.42
183	1547.62	4	SLE Q	-112556.00	-323.78	1107.72	0.00	78.54	9.75	145.32
184	1607.14	4	SLE Q	-112091.00	-294.66	1008.10	0.00	78.54	9.65	144.03
185	1607.14	4	SLE Q	-107326.00	-294.66	1008.10	0.00	78.54	9.27	138.22
186	1666.67	4	SLE Q	-106638.00	-262.15	896.87	0.00	78.54	9.15	136.56
187	1666.67	4	SLE Q	-102110.00	-262.15	896.87	0.00	78.54	8.78	131.04
188	1726.19	4	SLE Q	-101199.00	-228.27	780.97	0.00	78.54	8.65	129.09
189	1726.19	4	SLE Q	-96907.10	-228.27	780.97	0.00	78.54	8.30	123.86
190	1785.71	4	SLE Q	-95772.00	-194.61	665.80	0.00	78.54	8.14	121.63
191	1785.71	4	SLE Q	-91716.40	-194.61	665.80	0.00	78.54	7.81	116.69
192	1845.24	4	SLE Q	-90357.70	-162.34	555.41	0.00	78.54	7.64	114.22
193	1845.24	4	SLE Q	-86537.30	-162.34	555.41	0.00	78.54	7.33	109.56
194	1904.76	4	SLE Q	-84954.80	-132.32	452.69	0.00	78.54	7.15	106.89
195	1904.76	4	SLE Q	-81369.20	-132.32	452.69	0.00	78.54	6.86	102.51
196	1964.29	4	SLE Q	-79562.70	-105.11	359.61	0.00	78.54	6.66	99.63
197	1964.29	4	SLE Q	-76211.50	-105.11	359.61	0.00	78.54	6.39	95.55
198	2023.81	4	SLE Q	-74180.80	-81.06	277.32	0.00	78.54	6.18	92.47
199	2023.81	4	SLE Q	-71063.40	-81.06	277.32	0.00	78.54	5.93	88.67
200	2083.33	4	SLE Q	-68808.20	-60.33	206.39	0.00	78.54	5.70	85.40
201	2083.33	4	SLE Q	-65924.40	-60.33	206.39	0.00	78.54	5.47	81.88
202	2142.86	4	SLE Q	-63444.40	-42.93	146.88	0.00	78.54	5.24	78.43
203	2142.86	4	SLE Q	-60793.70	-42.93	146.88	0.00	78.54	5.02	75.19
204	2202.38	4	SLE Q	-58088.60	-28.79	98.50	0.00	78.54	4.77	71.54
205	2202.38	4	SLE Q	-55670.70	-28.79	98.50	0.00	78.54	4.58	68.60
206	2261.90	4	SLE Q	-52740.20	-17.75	60.71	0.00	78.54	4.32	64.75
207	2261.90	4	SLE Q	-50554.80	-17.75	60.71	0.00	78.54	4.14	62.08
208	2321.43	4	SLE Q	-47398.50	-9.59	32.81	0.00	78.54	3.87	58.03
209	2321.43	4	SLE Q	-45445.40	-9.59	32.81	0.00	78.54	3.71	55.65
210	2380.95	4	SLE Q	-42062.80	-4.09	13.98	0.00	78.54	3.43	51.39
211	2380.95	4	SLE Q	-40341.70	-4.09	13.98	0.00	78.54	3.29	49.29
212	2440.48	4	SLE Q	-36732.50	-0.98	3.34	0.00	78.54	2.99	44.81
213	2440.48	4	SLE Q	-35243.10	-0.98	3.34	0.00	78.54	2.87	42.99
214	2500.00	4	SLE Q	-31406.80	0.00	0.00	0.00	78.54	2.55	38.29
215	2500.00	4	SLE Q	-30149.00	0.00	0.00	0.00	78.54	2.45	36.76

Verifiche principali

Caso	Tipo
3	SLU N cost - min. sic.
8	SLU Taglio - min. sic. c.a.,SLU Taglio - min. sic. acciaio
46	C.Rare - Sc min (max compr.),C.Rare - Sf min (max compr.)
129	C.Rare - Sc max (min. compr.),C.Rare - Sf max (max traz.)
132	C.Q.Per. - Sc min (max compr.),C.Q.Per. - Sf min (max compr.)
215	C.Q.Per. - Sc max (min. compr.),C.Q.Per. - Sf max (max traz.)

Palo n. 24

Caratteristiche del palo e dei materiali utilizzati

R <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
60.00	6.00	C30/37	307.10	20.59	174.02	13.73	B450C	4300.00	3913.04

Le sollecitazioni nei pali vengono calcolate oltre che per l'effetto delle reazioni vincolari anche considerando i seguenti effetti

Azioni ed effetti comuni

Az	N <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
PP	0.00	0.00	0.00	
SVR	0.00			

Azioni ed effetti - Plinto/Palo n. 24 (-179)

Caso	CC	TCC	Az	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>

1	1	SLU	RVN	336421.00	5469.71	179.78	-37666.30	10624.50
	1	SLU	TAG				0.00	0.00
	1	SLU	ECC				0.00	0.00
	1	SLU	TOT	336421.00	5469.71	179.78	-37666.30	10624.50
2	2	SLE R	RVN	249201.00	4051.63	133.17	-27901.00	7870.00
	2	SLE R	TAG				0.00	0.00
	2	SLE R	ECC				0.00	0.00
	2	SLE R	TOT	249201.00	4051.63	133.17	-27901.00	7870.00
3	3	SLE F	RVN	249201.00	4051.63	133.17	-27901.00	7870.00
	3	SLE F	TAG				0.00	0.00
	3	SLE F	ECC				0.00	0.00
	3	SLE F	TOT	249201.00	4051.63	133.17	-27901.00	7870.00
4	4	SLE Q	RVN	249201.00	4051.63	133.17	-27901.00	7870.00
	4	SLE Q	TAG				0.00	0.00
	4	SLE Q	ECC				0.00	0.00
	4	SLE Q	TOT	249201.00	4051.63	133.17	-27901.00	7870.00

Sollecitazioni nei pali

Caso	CC	TCC	Palo	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	1	-336421.00	-5469.71	-179.78	37666.30	-10624.50
2	2	SLE R	1	-249201.00	-4051.63	-133.17	27901.00	-7870.00
3	3	SLE F	1	-249201.00	-4051.63	-133.17	27901.00	-7870.00
4	4	SLE Q	1	-249201.00	-4051.63	-133.17	27901.00	-7870.00

Da 0 a -25

Stato limite ultimo - Verifiche a flessione/pressoflessione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	Rott.	α <grad>	Sic.
1	0.00	1	SLU	-336421.00	-37260.50	-10510.00	-336421.00	-256614.00	-71776.60	2-3	344.38	6.883
2	59.52	1	SLU	-336096.00	-39264.70	-11075.40	-336096.00	-256527.00	-71748.40	2-3	344.38	6.529
3	119.05	1	SLU	-333293.00	-39357.80	-11101.60	-333293.00	-254930.00	-74305.90	2-3	343.75	6.493
4	178.57	1	SLU	-330019.00	-38015.30	-10722.90	-330019.00	-254051.00	-74032.20	2-3	343.75	6.699
5	238.09	1	SLU	-326275.00	-35645.00	-10054.40	-326275.00	-253041.00	-73717.90	2-3	343.75	7.116
6	297.62	1	SLU	-322060.00	-32589.60	-9192.52	-322060.00	-251903.00	-73362.20	2-3	343.75	7.748
7	357.14	1	SLU	-317374.00	-29130.30	-8216.76	-2571250.00	-250625.00	-72940.00	2-3	343.75	8.102
8	416.67	1	SLU	-312218.00	-25492.50	-7190.64	-2571250.00	-249216.00	-72474.80	2-3	343.75	8.235
9	476.19	1	SLU	-306591.00	-21851.40	-6163.60	-2571250.00	-247668.00	-71962.50	2-3	343.75	8.387
10	535.71	1	SLU	-300493.00	-18338.50	-5172.73	-2571250.00	-245986.00	-71406.00	2-3	343.75	8.557
11	595.24	1	SLU	-293925.00	-15047.80	-4244.52	-2571250.00	-244161.00	-70799.60	2-3	343.75	8.748
12	654.76	1	SLU	-286886.00	-12041.70	-3396.58	-2571250.00	-242083.00	-70291.30	2-3	343.75	8.963
13	714.29	1	SLU	-279377.00	-9356.70	-2639.24	-2571250.00	-239840.00	-69761.20	2-3	343.75	9.204
14	773.81	1	SLU	-271397.00	-7008.80	-1976.97	-2571250.00	-237435.00	-69195.60	2-3	343.75	9.474
15	833.33	1	SLU	-263146.00	-4997.78	-1409.72	-2571250.00	-235599.00	-66018.20	2-3	344.38	9.771
16	892.86	1	SLU	-254929.00	-3311.43	-934.05	-2571250.00	-233081.00	-65441.10	2-3	344.38	10.086
17	952.38	1	SLU	-246744.00	-1928.94	-544.09	-2571250.00	-230555.00	-64864.00	2-3	344.38	10.421
18	1011.90	1	SLU	-238590.00	-823.81	-232.37	-2571250.00	-228011.00	-64179.50	2-3	344.38	10.777
19	1071.43	1	SLU	-230467.00	33.75	9.52	-2571250.00	224704.00	65231.30	2-3	163.75	11.157
20	1130.95	1	SLU	-222373.00	674.95	190.38	-2571250.00	222201.00	64445.50	2-3	163.75	11.563
21	1190.48	1	SLU	-214307.00	1130.96	319.01	-2571250.00	219691.00	63657.30	2-3	163.75	11.998
22	1250.00	1	SLU	-206268.00	1431.76	403.86	-2571250.00	217176.00	62866.70	2-3	163.75	12.466
23	1309.52	1	SLU	-198256.00	1605.40	452.83	-2571250.00	214548.00	62224.10	2-3	163.75	12.969
24	1369.05	1	SLU	-190268.00	1677.47	473.16	-2571250.00	211860.00	61647.10	2-3	163.75	13.514
25	1428.57	1	SLU	-182305.00	1670.79	471.28	-2571250.00	209768.00	58817.40	2-3	164.38	14.104
26	1488.10	1	SLU	-174365.00	1605.30	452.81	-2571250.00	207054.00	58257.50	2-3	164.38	14.746
27	1547.62	1	SLU	-166447.00	1498.06	422.56	-2571250.00	204326.00	57657.10	2-3	164.38	15.448
28	1607.14	1	SLU	-158551.00	1363.38	384.57	-2571250.00	201588.00	57050.30	2-3	164.38	16.217
29	1666.67	1	SLU	-150674.00	1213.00	342.15	-2571250.00	198826.00	56252.40	2-3	164.38	17.065
30	1726.19	1	SLU	-142816.00	1056.28	297.94	-2571250.00	196046.00	55366.40	2-3	164.38	18.004
31	1785.71	1	SLU	-134977.00	900.53	254.01	-2571250.00	193254.00	54475.60	2-3	164.38	19.049
32	1845.24	1	SLU	-127155.00	751.24	211.90	-2571250.00	190450.00	53579.50	2-3	164.38	20.221
33	1904.76	1	SLU	-119349.00	612.33	172.72	-2571250.00	187635.00	52678.00	2-3	164.38	21.544
34	1964.29	1	SLU	-111558.00	486.44	137.21	-2571250.00	184809.00	51770.70	2-3	164.38	23.049
35	2023.81	1	SLU	-103781.00	375.14	105.82	-2571250.00	181396.00	52809.40	2-3	163.75	24.776
36	2083.33	1	SLU	-96017.50	279.20	78.75	-2571250.00	178541.00	51882.50	2-3	163.75	26.779
37	2142.86	1	SLU	-88266.10	198.69	56.05	-2571250.00	175652.00	50981.00	2-3	163.75	29.131
38	2202.38	1	SLU	-80525.90	133.25	37.59	-2571250.00	172753.00	50074.00	2-3	163.75	31.931
39	2261.90	1	SLU	-72796.00	82.14	23.17	-2571250.00	169845.00	49161.60	2-3	163.75	35.321
40	2321.43	1	SLU	-65075.20	44.39	12.52	-2571250.00	166925.00	48241.60	2-3	163.75	39.512
41	2380.95	1	SLU	-57362.80	18.92	5.34	-2571250.00	163995.00	47315.40	2-3	163.75	44.824
42	2440.48	1	SLU	-49657.60	4.52	1.28	-2571250.00	161057.00	46384.00	2-3	163.75	51.779
43	2500.00	1	SLU	-41958.70	0.00	0.00	-2571250.00					61.280

Stato limite ultimo - Verifiche a taglio

Caso	X <cm>	CC	TCC	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1	0.00	1	SLU	5469.71	179.78	0.85	11.31	5472.66	1.00	32294.70	379857.00	32294.70	5.901
2	59.52	1	SLU	1681.29	55.26	0.85	11.31	1682.20	1.00	32294.70	379810.00	32294.70	19.198
3	119.05	1	SLU	-1218.26	-40.04	0.85	11.31	1218.92	1.00	32294.70	379409.00	32294.70	26.494
4	178.57	1	SLU	-3347.61	-110.03	0.85	11.31	3349.42	1.00	32294.70	378940.00	32294.70	9.642
5	238.09	1	SLU	-4823.32	-158.53	0.85	11.31	4825.92	1.00	32294.70	378404.00	32294.70	6.692
6	297.62	1	SLU	-5756.21	-189.20	0.85	11.31	5759.31	1.00	32294.70	377800.00	32294.70	5.607
7	357.14	1	SLU	-6248.80	-205.39	0.85	11.31	6252.17	1.00	32294.70	377129.00	32294.70	5.165
8	416.67	1	SLU	-6393.73	-210.15	0.85	11.31	6397.18	1.00	32294.70	376390.00	32294.70	5.048
9	476.19	1	SLU	-6272.91	-206.18	0.85	11.31	6276.30	1.00	32294.70	375584.00	32294.70	5.146
10	535.71	1	SLU	-5957.26	-195.81	0.85	11.31	5960.48	1.00	32294.70	374711.00	32294.70	5.418
11	595.24	1	SLU	-5506.91	-181.00	0.85	11.31	5509.88	1.00	32294.70	373770.00	32294.70	5.861
12	654.76	1	SLU	-4971.77	-163.41	0.85	11.31	4974.45	1.00	32294.70	372761.00	32294.70	6.492
13	714.29	1	SLU	-4392.27	-144.37	0.85	11.31	4394.64	1.00	32294.70	371686.00	32294.70	7.349
14	773.81	1	SLU	-3800.33	-124.91	0.85	11.31	3802.38	1.00	32294.70	370543.00	32294.70	8.493
15	833.33	1	SLU	-3220.28	-105.84	0.85	11.31	3222.02	1.00	32294.70	369361.00	32294.70	10.023
16	892.86	1	SLU	-2669.97	-87.76	0.85	11.31	2671.41	1.00	32294.70	368184.00	32294.70	12.089
17	952.38	1	SLU	-2161.68	-71.05	0.85	11.31	2162.84	1.00	32294.70	367012.00	32294.70	14.932
18	1011.90	1	SLU	-1703.11	-55.98	0.85	11.31	1704.03	1.00	32294.70	365844.00	32294.70	18.952
19	1071.43	1	SLU	-1298.25	-42.67	0.85	11.31	1298.95	1.00	32294.70	364680.00	32294.70	24.862
20	1130.95	1	SLU	-948.17	-31.16	0.85	11.31	948.68	1.00	32294.70	363521.00	32294.70	34.042
21	1190.48	1	SLU	-651.70	-21.42	0.85	11.31	652.05	1.00	32294.70	362365.00	32294.70	49.528
22	1250.00	1	SLU	-406.05	-13.35	0.85	11.31	406.26	1.00	32294.70	361214.00	32294.70	79.492
23	1309.52	1	SLU	-207.29	-6.81	0.85	11.31	207.40	1.00	32294.70	360066.00	32294.70	>100
24	1369.05	1	SLU	-50.82	-1.67	0.85	11.31	50.85	1.00	32294.70	358922.00	32294.70	>100
25	1428.57	1	SLU	68.33	2.25	0.85	11.31	68.37	1.00	32294.70	357781.00	32294.70	>100
26	1488.10	1	SLU	155.23	5.10	0.85	11.31	155.31	1.00	32294.70	356644.00	32294.70	>100
27	1547.62	1	SLU	214.80	7.06	0.85	11.31	214.91	1.00	32294.70	355510.00	32294.70	>100
28	1607.14	1	SLU	251.72	8.27	0.85	11.31	251.86	1.00	32294.70	354379.00	32294.70	>100
29	1666.67	1	SLU	270.30	8.88	0.85	11.31	270.45	1.00	32294.70	353251.00	32294.70	>100
30	1726.19	1	SLU	274.40	9.02	0.85	11.31	274.55	1.00	32294.70	352125.00	32294.70	>100
31	1785.71	1	SLU	267.44	8.79	0.85	11.31	267.59	1.00	32294.70	351002.00	32294.70	>100
32	1845.24	1	SLU	252.35	8.29	0.85	11.31	252.48	1.00	32294.70	349882.00	32294.70	>100
33	1904.76	1	SLU	231.59	7.61	0.85	11.31	231.72	1.00	32294.70	348764.00	32294.70	>100
34	1964.29	1	SLU	207.23	6.81	0.85	11.31	207.34	1.00	32294.70	347648.00	32294.70	>100
35	2023.81	1	SLU	180.89	5.95	0.85	11.31	180.99	1.00	32294.70	346534.00	32294.70	>100
36	2083.33	1	SLU	153.87	5.06	0.85	11.31	153.95	1.00	32294.70	345422.00	32294.70	>100
37	2142.86	1	SLU	127.14	4.18	0.85	11.31	127.21	1.00	32294.70	344311.00	32294.70	>100
38	2202.38	1	SLU	101.42	3.33	0.85	11.31	101.48	1.00	32294.70	343203.00	32294.70	>100
39	2261.90	1	SLU	77.21	2.54	0.85	11.31	77.25	1.00	32294.70	342095.00	32294.70	>100
40	2321.43	1	SLU	54.81	1.80	0.85	11.31	54.84	1.00	32294.70	340989.00	32294.70	>100
41	2380.95	1	SLU	34.43	1.13	0.85	11.31	34.45	1.00	32294.70	339885.00	32294.70	>100
42	2440.48	1	SLU	16.14	0.53	0.85	11.31	16.15	1.00	32294.70	338781.00	32294.70	>100

Verifiche stato limite d'esercizio

Caso	X <cm>	CC	TCC	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ_c <daN/cmq>	σ_f <daN/cmq>
44	0.00	2	SLE R	-249201.00	-7785.22	-27600.40	0.00	78.54	35.09	504.95
45	0.00	2	SLE R	-249201.00	-7785.22	-27600.40	0.00	78.54	35.09	504.95
46	59.52	2	SLE R	-248876.00	-8203.97	-29085.00	0.00	78.54	35.86	515.37
47	59.52	2	SLE R	-247328.00	-8203.97	-29085.00	0.00	78.54	35.73	513.49
48	119.05	2	SLE R	-246073.00	-8223.42	-29153.90	0.00	78.54	35.67	512.46
49	119.05	2	SLE R	-241899.00	-8223.42	-29153.90	0.00	78.54	35.33	507.37
50	178.57	2	SLE R	-242799.00	-7942.91	-28159.50	0.00	78.54	34.87	501.22
51	178.57	2	SLE R	-236470.00	-7942.91	-28159.50	0.00	78.54	34.35	493.50
52	238.09	2	SLE R	-239055.00	-7447.67	-26403.70	0.00	78.54	33.62	483.86
53	238.09	2	SLE R	-231041.00	-7447.67	-26403.70	0.00	78.54	32.97	474.09
54	297.62	2	SLE R	-234840.00	-6809.27	-24140.40	0.00	78.54	32.06	462.23
55	297.62	2	SLE R	-225613.00	-6809.27	-24140.40	0.00	78.54	31.31	450.98
56	357.14	2	SLE R	-230154.00	-6086.49	-21578.00	0.00	78.54	30.30	437.85
57	357.14	2	SLE R	-220185.00	-6086.49	-21578.00	0.00	78.54	29.49	425.69
58	416.67	2	SLE R	-224998.00	-5326.40	-18883.30	0.00	78.54	28.44	411.92
59	416.67	2	SLE R	-214757.00	-5326.40	-18883.30	0.00	78.54	27.60	399.44
60	476.19	2	SLE R	-219371.00	-4565.63	-16186.20	0.00	78.54	26.53	385.41
61	476.19	2	SLE R	-209329.00	-4565.63	-16186.20	0.00	78.54	25.71	373.17
62	535.71	2	SLE R	-213522.00	-3831.65	-13584.10	0.00	78.54	24.66	359.32
63	535.71	2	SLE R	-203901.00	-3831.65	-13584.10	0.00	78.54	23.87	347.59
64	595.24	2	SLE R	-207700.00	-3144.09	-11146.50	0.00	78.54	22.87	334.46
65	595.24	2	SLE R	-198474.00	-3144.09	-11146.50	0.00	78.54	22.12	323.21
66	654.76	2	SLE R	-201905.00	-2515.99	-8919.75	0.00	78.54	21.20	311.17
67	654.76	2	SLE R	-193047.00	-2515.99	-8919.75	0.00	78.54	20.48	300.37
68	714.29	2	SLE R	-196135.00	-1954.99	-6930.89	0.00	78.54	19.67	289.64
69	714.29	2	SLE R	-187620.00	-1954.99	-6930.89	0.00	78.54	18.97	279.26
70	773.81	2	SLE R	-190390.00	-1464.42	-5191.70	0.00	78.54	18.27	269.96
71	773.81	2	SLE R	-182193.00	-1464.42	-5191.70	0.00	78.54	17.60	259.97
72	833.33	2	SLE R	-184670.00	-1044.24	-3702.06	0.00	78.54	17.00	252.13

73	833.33	2	SLE R	-176767.00	-1044.24	-3702.06	0.00	78.54	16.36	242.50
74	892.86	2	SLE R	-178972.00	-691.89	-2452.91	0.00	78.54	15.87	236.09
75	892.86	2	SLE R	-171341.00	-691.89	-2452.91	0.00	78.54	15.25	226.78
76	952.38	2	SLE R	-173298.00	-403.03	-1428.84	0.00	78.54	14.85	221.70
77	952.38	2	SLE R	-165916.00	-403.03	-1428.84	0.00	78.54	14.25	212.70
78	1011.90	2	SLE R	-167646.00	-172.13	-610.23	0.00	78.54	13.95	208.85
79	1011.90	2	SLE R	-160508.00	-172.13	-610.23	0.00	78.54	13.37	200.14
80	1071.43	2	SLE R	-162014.00	7.05	25.00	0.00	78.54	13.18	197.72
81	1071.43	2	SLE R	-155120.00	7.05	25.00	0.00	78.54	12.62	189.31
82	1130.95	2	SLE R	-156404.00	141.02	499.96	0.00	78.54	12.98	194.35
83	1130.95	2	SLE R	-149751.00	141.02	499.96	0.00	78.54	12.44	186.24
84	1190.48	2	SLE R	-150813.00	236.30	837.75	0.00	78.54	12.71	190.00
85	1190.48	2	SLE R	-144402.00	236.30	837.75	0.00	78.54	12.19	182.18
86	1250.00	2	SLE R	-145241.00	299.15	1060.56	0.00	78.54	12.38	184.84
87	1250.00	2	SLE R	-139071.00	299.15	1060.56	0.00	78.54	11.87	177.31
88	1309.52	2	SLE R	-139688.00	335.43	1189.19	0.00	78.54	11.99	179.00
89	1309.52	2	SLE R	-133758.00	335.43	1189.19	0.00	78.54	11.51	171.77
90	1369.05	2	SLE R	-134153.00	350.49	1242.57	0.00	78.54	11.57	172.65
91	1369.05	2	SLE R	-128461.00	350.49	1242.57	0.00	78.54	11.11	165.71
92	1428.57	2	SLE R	-128634.00	349.10	1237.62	0.00	78.54	11.12	165.88
93	1428.57	2	SLE R	-123181.00	349.10	1237.62	0.00	78.54	10.68	159.23
94	1488.10	2	SLE R	-123132.00	335.41	1189.11	0.00	78.54	10.65	158.82
95	1488.10	2	SLE R	-117917.00	335.41	1189.11	0.00	78.54	10.22	152.46
96	1547.62	2	SLE R	-117646.00	313.00	1109.68	0.00	78.54	10.16	151.55
97	1547.62	2	SLE R	-112667.00	313.00	1109.68	0.00	78.54	9.75	145.48
98	1607.14	2	SLE R	-112174.00	284.87	1009.91	0.00	78.54	9.66	144.15
99	1607.14	2	SLE R	-107432.00	284.87	1009.91	0.00	78.54	9.28	138.37
100	1666.67	2	SLE R	-106717.00	253.44	898.51	0.00	78.54	9.16	136.68
101	1666.67	2	SLE R	-102211.00	253.44	898.51	0.00	78.54	8.79	131.19
102	1726.19	2	SLE R	-101273.00	220.70	782.43	0.00	78.54	8.65	129.19
103	1726.19	2	SLE R	-97002.00	220.70	782.43	0.00	78.54	8.31	123.99
104	1785.71	2	SLE R	-95842.60	188.16	667.06	0.00	78.54	8.15	121.73
105	1785.71	2	SLE R	-91805.80	188.16	667.06	0.00	78.54	7.82	116.81
106	1845.24	2	SLE R	-90423.90	156.96	556.48	0.00	78.54	7.65	114.32
107	1845.24	2	SLE R	-86621.30	156.96	556.48	0.00	78.54	7.34	109.68
108	1904.76	2	SLE R	-85016.80	127.94	453.58	0.00	78.54	7.15	106.97
109	1904.76	2	SLE R	-81447.70	127.94	453.58	0.00	78.54	6.86	102.62
110	1964.29	2	SLE R	-79620.30	101.64	360.32	0.00	78.54	6.67	99.71
111	1964.29	2	SLE R	-76284.50	101.64	360.32	0.00	78.54	6.39	95.64
112	2023.81	2	SLE R	-74234.00	78.38	277.88	0.00	78.54	6.18	92.54
113	2023.81	2	SLE R	-71131.00	78.38	277.88	0.00	78.54	5.93	88.76
114	2083.33	2	SLE R	-68857.20	58.34	206.81	0.00	78.54	5.71	85.47
115	2083.33	2	SLE R	-65986.50	58.34	206.81	0.00	78.54	5.47	81.97
116	2142.86	2	SLE R	-63489.10	41.52	147.18	0.00	78.54	5.24	78.48
117	2142.86	2	SLE R	-60850.30	41.52	147.18	0.00	78.54	5.03	75.27
118	2202.38	2	SLE R	-58129.00	27.84	98.70	0.00	78.54	4.78	71.59
119	2202.38	2	SLE R	-55721.90	27.84	98.70	0.00	78.54	4.58	68.66
120	2261.90	2	SLE R	-52776.30	17.16	60.84	0.00	78.54	4.32	64.79
121	2261.90	2	SLE R	-50600.60	17.16	60.84	0.00	78.54	4.15	62.14
122	2321.43	2	SLE R	-47430.30	9.28	32.88	0.00	78.54	3.87	58.07
123	2321.43	2	SLE R	-45485.70	9.28	32.88	0.00	78.54	3.71	55.70
124	2380.95	2	SLE R	-42090.30	3.95	14.01	0.00	78.54	3.43	51.42
125	2380.95	2	SLE R	-40376.60	3.95	14.01	0.00	78.54	3.29	49.33
126	2440.48	2	SLE R	-36755.70	0.95	3.35	0.00	78.54	2.99	44.84
127	2440.48	2	SLE R	-35272.60	0.95	3.35	0.00	78.54	2.87	43.03
128	2500.00	2	SLE R	-31425.80	0.00	0.00	0.00	78.54	2.55	38.32
129	2500.00	2	SLE R	-30173.10	0.00	0.00	0.00	78.54	2.45	36.79
130	0.00	4	SLE Q	-249201.00	-7785.22	-27600.40	0.00	78.54	35.09	504.95
131	0.00	4	SLE Q	-249201.00	-7785.22	-27600.40	0.00	78.54	35.09	504.95
132	59.52	4	SLE Q	-248876.00	-8203.97	-29085.00	0.00	78.54	35.86	515.37
133	59.52	4	SLE Q	-247328.00	-8203.97	-29085.00	0.00	78.54	35.73	513.49
134	119.05	4	SLE Q	-246073.00	-8223.42	-29153.90	0.00	78.54	35.67	512.46
135	119.05	4	SLE Q	-241899.00	-8223.42	-29153.90	0.00	78.54	35.33	507.37
136	178.57	4	SLE Q	-242799.00	-7942.91	-28159.50	0.00	78.54	34.87	501.22
137	178.57	4	SLE Q	-236470.00	-7942.91	-28159.50	0.00	78.54	34.35	493.50
138	238.09	4	SLE Q	-239055.00	-7447.67	-26403.70	0.00	78.54	33.62	483.86
139	238.09	4	SLE Q	-231041.00	-7447.67	-26403.70	0.00	78.54	32.97	474.09
140	297.62	4	SLE Q	-234840.00	-6809.27	-24140.40	0.00	78.54	32.06	462.23
141	297.62	4	SLE Q	-225613.00	-6809.27	-24140.40	0.00	78.54	31.31	450.98
142	357.14	4	SLE Q	-230154.00	-6086.49	-21578.00	0.00	78.54	30.30	437.85
143	357.14	4	SLE Q	-220185.00	-6086.49	-21578.00	0.00	78.54	29.49	425.69
144	416.67	4	SLE Q	-224998.00	-5326.40	-18883.30	0.00	78.54	28.44	411.92
145	416.67	4	SLE Q	-214757.00	-5326.40	-18883.30	0.00	78.54	27.60	399.44
146	476.19	4	SLE Q	-219371.00	-4565.63	-16186.20	0.00	78.54	26.53	385.41
147	476.19	4	SLE Q	-209329.00	-4565.63	-16186.20	0.00	78.54	25.71	373.17
148	535.71	4	SLE Q	-213522.00	-3831.65	-13584.10	0.00	78.54	24.66	359.32

149	535.71	4	SLE Q	-203901.00	-3831.65	-13584.10	0.00	78.54	23.87	347.59
150	595.24	4	SLE Q	-207700.00	-3144.09	-11146.50	0.00	78.54	22.87	334.46
151	595.24	4	SLE Q	-198474.00	-3144.09	-11146.50	0.00	78.54	22.12	323.21
152	654.76	4	SLE Q	-201905.00	-2515.99	-8919.75	0.00	78.54	21.20	311.17
153	654.76	4	SLE Q	-193047.00	-2515.99	-8919.75	0.00	78.54	20.48	300.37
154	714.29	4	SLE Q	-196135.00	-1954.99	-6930.89	0.00	78.54	19.67	289.64
155	714.29	4	SLE Q	-187620.00	-1954.99	-6930.89	0.00	78.54	18.97	279.26
156	773.81	4	SLE Q	-190390.00	-1464.42	-5191.70	0.00	78.54	18.27	269.96
157	773.81	4	SLE Q	-182193.00	-1464.42	-5191.70	0.00	78.54	17.60	259.97
158	833.33	4	SLE Q	-184670.00	-1044.24	-3702.06	0.00	78.54	17.00	252.13
159	833.33	4	SLE Q	-176767.00	-1044.24	-3702.06	0.00	78.54	16.36	242.50
160	892.86	4	SLE Q	-178972.00	-691.89	-2452.91	0.00	78.54	15.87	236.09
161	892.86	4	SLE Q	-171341.00	-691.89	-2452.91	0.00	78.54	15.25	226.78
162	952.38	4	SLE Q	-173298.00	-403.03	-1428.84	0.00	78.54	14.85	221.70
163	952.38	4	SLE Q	-165916.00	-403.03	-1428.84	0.00	78.54	14.25	212.70
164	1011.90	4	SLE Q	-167646.00	-172.13	-610.23	0.00	78.54	13.95	208.85
165	1011.90	4	SLE Q	-160508.00	-172.13	-610.23	0.00	78.54	13.37	200.14
166	1071.43	4	SLE Q	-162014.00	7.05	25.00	0.00	78.54	13.18	197.72
167	1071.43	4	SLE Q	-155120.00	7.05	25.00	0.00	78.54	12.62	189.31
168	1130.95	4	SLE Q	-156404.00	141.02	499.96	0.00	78.54	12.98	194.35
169	1130.95	4	SLE Q	-149751.00	141.02	499.96	0.00	78.54	12.44	186.24
170	1190.48	4	SLE Q	-150813.00	236.30	837.75	0.00	78.54	12.71	190.00
171	1190.48	4	SLE Q	-144402.00	236.30	837.75	0.00	78.54	12.19	182.18
172	1250.00	4	SLE Q	-145241.00	299.15	1060.56	0.00	78.54	12.38	184.84
173	1250.00	4	SLE Q	-139071.00	299.15	1060.56	0.00	78.54	11.87	177.31
174	1309.52	4	SLE Q	-139688.00	335.43	1189.19	0.00	78.54	11.99	179.00
175	1309.52	4	SLE Q	-133758.00	335.43	1189.19	0.00	78.54	11.51	171.77
176	1369.05	4	SLE Q	-134153.00	350.49	1242.57	0.00	78.54	11.57	172.65
177	1369.05	4	SLE Q	-128461.00	350.49	1242.57	0.00	78.54	11.11	165.71
178	1428.57	4	SLE Q	-128634.00	349.10	1237.62	0.00	78.54	11.12	165.88
179	1428.57	4	SLE Q	-123181.00	349.10	1237.62	0.00	78.54	10.68	159.23
180	1488.10	4	SLE Q	-123132.00	335.41	1189.11	0.00	78.54	10.65	158.82
181	1488.10	4	SLE Q	-117917.00	335.41	1189.11	0.00	78.54	10.22	152.46
182	1547.62	4	SLE Q	-117646.00	313.00	1109.68	0.00	78.54	10.16	151.55
183	1547.62	4	SLE Q	-112667.00	313.00	1109.68	0.00	78.54	9.75	145.48
184	1607.14	4	SLE Q	-112174.00	284.87	1009.91	0.00	78.54	9.66	144.15
185	1607.14	4	SLE Q	-107432.00	284.87	1009.91	0.00	78.54	9.28	138.37
186	1666.67	4	SLE Q	-106717.00	253.44	898.51	0.00	78.54	9.16	136.68
187	1666.67	4	SLE Q	-102211.00	253.44	898.51	0.00	78.54	8.79	131.19
188	1726.19	4	SLE Q	-101273.00	220.70	782.43	0.00	78.54	8.65	129.19
189	1726.19	4	SLE Q	-97002.00	220.70	782.43	0.00	78.54	8.31	123.99
190	1785.71	4	SLE Q	-95842.60	188.16	667.06	0.00	78.54	8.15	121.73
191	1785.71	4	SLE Q	-91805.80	188.16	667.06	0.00	78.54	7.82	116.81
192	1845.24	4	SLE Q	-90423.90	156.96	556.48	0.00	78.54	7.65	114.32
193	1845.24	4	SLE Q	-86621.30	156.96	556.48	0.00	78.54	7.34	109.68
194	1904.76	4	SLE Q	-85016.80	127.94	453.58	0.00	78.54	7.15	106.97
195	1904.76	4	SLE Q	-81447.70	127.94	453.58	0.00	78.54	6.86	102.62
196	1964.29	4	SLE Q	-79620.30	101.64	360.32	0.00	78.54	6.67	99.71
197	1964.29	4	SLE Q	-76284.50	101.64	360.32	0.00	78.54	6.39	95.64
198	2023.81	4	SLE Q	-74234.00	78.38	277.88	0.00	78.54	6.18	92.54
199	2023.81	4	SLE Q	-71131.00	78.38	277.88	0.00	78.54	5.93	88.76
200	2083.33	4	SLE Q	-68857.20	58.34	206.81	0.00	78.54	5.71	85.47
201	2083.33	4	SLE Q	-65986.50	58.34	206.81	0.00	78.54	5.47	81.97
202	2142.86	4	SLE Q	-63489.10	41.52	147.18	0.00	78.54	5.24	78.48
203	2142.86	4	SLE Q	-60850.30	41.52	147.18	0.00	78.54	5.03	75.27
204	2202.38	4	SLE Q	-58129.00	27.84	98.70	0.00	78.54	4.78	71.59
205	2202.38	4	SLE Q	-55721.90	27.84	98.70	0.00	78.54	4.58	68.66
206	2261.90	4	SLE Q	-52776.30	17.16	60.84	0.00	78.54	4.32	64.79
207	2261.90	4	SLE Q	-50600.60	17.16	60.84	0.00	78.54	4.15	62.14
208	2321.43	4	SLE Q	-47430.30	9.28	32.88	0.00	78.54	3.87	58.07
209	2321.43	4	SLE Q	-45485.70	9.28	32.88	0.00	78.54	3.71	55.70
210	2380.95	4	SLE Q	-42090.30	3.95	14.01	0.00	78.54	3.43	51.42
211	2380.95	4	SLE Q	-40376.60	3.95	14.01	0.00	78.54	3.29	49.33
212	2440.48	4	SLE Q	-36755.70	0.95	3.35	0.00	78.54	2.99	44.84
213	2440.48	4	SLE Q	-35272.60	0.95	3.35	0.00	78.54	2.87	43.03
214	2500.00	4	SLE Q	-31425.80	0.00	0.00	0.00	78.54	2.55	38.32
215	2500.00	4	SLE Q	-30173.10	0.00	0.00	0.00	78.54	2.45	36.79

Verifiche principali

Caso	Tipo
3	SLU N cost - min. sic.
8	SLU Taglio - min. sic. c.a.,SLU Taglio - min. sic. acciaio
46	C.Rare - Sc min (max compr.),C.Rare - Sf min (max compr.)
129	C.Rare - Sc max (min. compr.),C.Rare - Sf max (max traz.)
132	C.Q.Per. - Sc min (max compr.),C.Q.Per. - Sf min (max compr.)
215	C.Q.Per. - Sc max (min. compr.),C.Q.Per. - Sf max (max traz.)

Palo n. 25

Caratteristiche del palo e dei materiali utilizzati

R <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
60.00	6.00	C30/37	307.10	20.59	174.02	13.73	B450C	4300.00	3913.04

Le sollecitazioni nei pali vengono calcolate oltre che per l'effetto delle reazioni vincolari anche considerando i seguenti effetti

Azioni ed effetti comuni

Az	N <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
PP	0.00	0.00	0.00	
SVR	0.00			

Azioni ed effetti - Plinto/Palo n. 25 (-175)

Caso	CC	TCC	Az	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	RVN	323970.00	5578.50	549.56	-28687.40	30177.20
	1	SLU	TAG				0.00	0.00
	1	SLU	ECC				0.00	0.00
	1	SLU	TOT	323970.00	5578.50	549.56	-28687.40	30177.20
2	2	SLE R	RVN	239977.00	4132.22	407.08	-21249.90	22353.50
	2	SLE R	TAG				0.00	0.00
	2	SLE R	ECC				0.00	0.00
	2	SLE R	TOT	239977.00	4132.22	407.08	-21249.90	22353.50
3	3	SLE F	RVN	239977.00	4132.22	407.08	-21249.90	22353.50
	3	SLE F	TAG				0.00	0.00
	3	SLE F	ECC				0.00	0.00
	3	SLE F	TOT	239977.00	4132.22	407.08	-21249.90	22353.50
4	4	SLE Q	RVN	239977.00	4132.22	407.08	-21249.90	22353.50
	4	SLE Q	TAG				0.00	0.00
	4	SLE Q	ECC				0.00	0.00
	4	SLE Q	TOT	239977.00	4132.22	407.08	-21249.90	22353.50

Sollecitazioni nei pali

Caso	CC	TCC	Palo	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	1	-323970.00	-5578.50	-549.56	28687.40	-30177.20
2	2	SLE R	1	-239977.00	-4132.22	-407.08	21249.90	-22353.50
3	3	SLE F	1	-239977.00	-4132.22	-407.08	21249.90	-22353.50
4	4	SLE Q	1	-239977.00	-4132.22	-407.08	21249.90	-22353.50

Da 0 a -25

Stato limite ultimo - Verifiche a flessione/pressoflessione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	Rott.	α <grad>	Sic.
1	0.00	1	SLU	-323970.00	-28382.60	-29856.60	-323970.00	-181893.00	-190009.00	2-3	313.75	6.385
2	59.52	1	SLU	-323645.00	-29832.20	-31381.40	-323645.00	-181830.00	-189943.00	2-3	313.75	6.073
3	119.05	1	SLU	-320842.00	-29848.10	-31398.20	-320842.00	-181284.00	-189365.00	2-3	313.75	6.051
4	178.57	1	SLU	-317568.00	-28789.00	-30284.10	-317568.00	-180645.00	-188689.00	2-3	313.75	6.252
5	238.09	1	SLU	-313824.00	-26962.20	-28362.40	-313824.00	-179913.00	-187915.00	2-3	313.75	6.648
6	297.62	1	SLU	-309609.00	-24625.70	-25904.50	-309609.00	-179084.00	-187038.00	2-3	313.75	7.245
7	357.14	1	SLU	-304923.00	-21990.90	-23132.90	-304923.00	-178160.00	-186060.00	2-3	313.75	8.071
8	416.67	1	SLU	-299767.00	-19227.20	-20225.70	-2571250.00	-177139.00	-184979.00	2-3	313.75	8.578
9	476.19	1	SLU	-294140.00	-16466.00	-17321.10	-2571250.00	-176020.00	-183792.00	2-3	313.75	8.742
10	535.71	1	SLU	-288042.00	-13805.80	-14522.80	-2571250.00	-174802.00	-182501.00	2-3	313.75	8.927
11	595.24	1	SLU	-281474.00	-11316.80	-11904.50	-2571250.00	-173434.00	-181121.00	2-3	313.75	9.135
12	654.76	1	SLU	-274435.00	-9045.37	-9515.11	-2571250.00	-171835.00	-179657.00	2-3	313.75	9.369
13	714.29	1	SLU	-266926.00	-7018.52	-7383.00	-2571250.00	-170152.00	-178012.00	2-3	313.75	9.633
14	773.81	1	SLU	-259028.00	-5247.72	-5520.24	-2571250.00	-168434.00	-176128.00	2-3	313.75	9.927
15	833.33	1	SLU	-251164.00	-3732.38	-3926.21	-2571250.00	-166678.00	-174251.00	2-3	313.75	10.237
16	892.86	1	SLU	-243331.00	-2462.88	-2590.78	-2571250.00	-164900.00	-172368.00	2-3	313.75	10.567
17	952.38	1	SLU	-235530.00	-1423.21	-1497.12	-2571250.00	-163115.00	-170479.00	2-3	313.75	10.917
18	1011.90	1	SLU	-227758.00	-593.11	-623.91	-2571250.00	-161325.00	-168584.00	2-3	313.75	11.289
19	1071.43	1	SLU	-220015.00	50.11	52.72	-2571250.00	159633.00	166585.00	2-3	133.75	11.687
20	1130.95	1	SLU	-212300.00	530.16	557.70	-2571250.00	157904.00	164754.00	2-3	133.75	12.111
21	1190.48	1	SLU	-204612.00	870.67	915.89	-2571250.00	156172.00	162920.00	2-3	133.75	12.566
22	1250.00	1	SLU	-196950.00	1094.35	1151.18	-2571250.00	154437.00	161083.00	2-3	133.75	13.055
23	1309.52	1	SLU	-189313.00	1222.40	1285.89	-2571250.00	152549.00	159314.00	2-3	133.75	13.582
24	1369.05	1	SLU	-181700.00	1274.17	1340.34	-2571250.00	150566.00	157581.00	2-3	133.75	14.151
25	1428.57	1	SLU	-174110.00	1266.88	1332.67	-2571250.00	148689.00	155617.00	2-3	133.75	14.768
26	1488.10	1	SLU	-166543.00	1215.56	1278.69	-2571250.00	146808.00	153636.00	2-3	133.75	15.439
27	1547.62	1	SLU	-158996.00	1133.09	1191.93	-2571250.00	144918.00	151646.00	2-3	133.75	16.172

28	1607.14	1	SLU	-151470.00	1030.22	1083.72	-2571250.00	143021.00	149648.00	2-3	133.75	16.975
29	1666.67	1	SLU	-143962.00	915.78	963.33	-2571250.00	141113.00	147639.00	2-3	133.75	17.861
30	1726.19	1	SLU	-136473.00	796.81	838.19	-2571250.00	139197.00	145621.00	2-3	133.75	18.841
31	1785.71	1	SLU	-129002.00	678.79	714.04	-2571250.00	137278.00	143587.00	2-3	133.75	19.932
32	1845.24	1	SLU	-121547.00	565.83	595.21	-2571250.00	135370.00	141509.00	2-3	133.75	21.154
33	1904.76	1	SLU	-114107.00	460.84	484.78	-2571250.00	133454.00	139423.00	2-3	133.75	22.534
34	1964.29	1	SLU	-106681.00	365.81	384.81	-2571250.00	131508.00	137336.00	2-3	133.75	24.102
35	2023.81	1	SLU	-99269.70	281.89	296.53	-2571250.00	129535.00	135252.00	2-3	133.75	25.902
36	2083.33	1	SLU	-91870.50	209.62	220.50	-2571250.00	127553.00	133159.00	2-3	133.75	27.988
37	2142.86	1	SLU	-84483.00	149.04	156.78	-2571250.00	125567.00	131060.00	2-3	133.75	30.435
38	2202.38	1	SLU	-77106.20	99.86	105.04	-2571250.00	123573.00	128952.00	2-3	133.75	33.347
39	2261.90	1	SLU	-69739.20	61.49	64.68	-2571250.00	121573.00	126836.00	2-3	133.75	36.870
40	2321.43	1	SLU	-62381.10	33.20	34.92	-2571250.00	119568.00	124715.00	2-3	133.75	41.218
41	2380.95	1	SLU	-55030.90	14.13	14.86	-2571250.00	117557.00	122586.00	2-3	133.75	46.724
42	2440.48	1	SLU	-47687.70	3.38	3.55	-2571250.00	115540.00	120449.00	2-3	133.75	53.919
43	2500.00	1	SLU	-40350.50	0.00	0.00	-2571250.00					63.723

Stato limite ultimo – Verifiche a taglio

Caso	X <cm>	CC	TCC	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1	0.00	1	SLU	5578.50	549.56	0.85	11.31	5605.50	1.00	32294.70	378073.00	32294.70	5.761
2	59.52	1	SLU	1622.64	159.85	0.85	11.31	1630.49	1.00	32294.70	378027.00	32294.70	19.807
3	119.05	1	SLU	-1400.30	-137.95	0.85	11.31	1407.08	1.00	32294.70	377625.00	32294.70	22.952
4	178.57	1	SLU	-3615.58	-356.18	0.85	11.31	3633.08	1.00	32294.70	377156.00	32294.70	8.889
5	238.09	1	SLU	-5146.08	-506.96	0.85	11.31	5170.99	1.00	32294.70	376620.00	32294.70	6.245
6	297.62	1	SLU	-6108.44	-601.76	0.85	11.31	6138.01	1.00	32294.70	376016.00	32294.70	5.261
7	357.14	1	SLU	-6610.49	-651.22	0.85	11.31	6642.49	1.00	32294.70	375345.00	32294.70	4.862
8	416.67	1	SLU	-6749.53	-664.92	0.85	11.31	6782.20	1.00	32294.70	374606.00	32294.70	4.762
9	476.19	1	SLU	-6611.52	-651.32	0.85	11.31	6643.53	1.00	32294.70	373800.00	32294.70	4.861
10	535.71	1	SLU	-6270.84	-617.76	0.85	11.31	6301.19	1.00	32294.70	372927.00	32294.70	5.125
11	595.24	1	SLU	-5790.47	-570.44	0.85	11.31	5818.50	1.00	32294.70	371986.00	32294.70	5.550
12	654.76	1	SLU	-5222.66	-514.50	0.85	11.31	5247.94	1.00	32294.70	370978.00	32294.70	6.154
13	714.29	1	SLU	-4609.68	-454.12	0.85	11.31	4631.99	1.00	32294.70	369902.00	32294.70	6.972
14	773.81	1	SLU	-3984.83	-392.56	0.85	11.31	4004.12	1.00	32294.70	368771.00	32294.70	8.065
15	833.33	1	SLU	-3373.51	-332.34	0.85	11.31	3389.84	1.00	32294.70	367645.00	32294.70	9.527
16	892.86	1	SLU	-2794.25	-275.27	0.85	11.31	2807.78	1.00	32294.70	366523.00	32294.70	11.502
17	952.38	1	SLU	-2259.81	-222.62	0.85	11.31	2270.75	1.00	32294.70	365405.00	32294.70	14.222
18	1011.90	1	SLU	-1778.11	-175.17	0.85	11.31	1786.72	1.00	32294.70	364292.00	32294.70	18.075
19	1071.43	1	SLU	-1353.23	-133.31	0.85	11.31	1359.78	1.00	32294.70	363183.00	32294.70	23.750
20	1130.95	1	SLU	-986.17	-97.15	0.85	11.31	990.95	1.00	32294.70	362078.00	32294.70	32.590
21	1190.48	1	SLU	-675.61	-66.56	0.85	11.31	678.88	1.00	32294.70	360977.00	32294.70	47.571
22	1250.00	1	SLU	-418.54	-41.23	0.85	11.31	420.56	1.00	32294.70	359879.00	32294.70	76.789
23	1309.52	1	SLU	-210.78	-20.76	0.85	11.31	211.80	1.00	32294.70	358785.00	32294.70	>100
24	1369.05	1	SLU	-47.43	-4.67	0.85	11.31	47.66	1.00	32294.70	357695.00	32294.70	>100
25	1428.57	1	SLU	76.75	7.56	0.85	11.31	77.12	1.00	32294.70	356608.00	32294.70	>100
26	1488.10	1	SLU	167.10	16.46	0.85	11.31	167.91	1.00	32294.70	355524.00	32294.70	>100
27	1547.62	1	SLU	228.83	22.54	0.85	11.31	229.94	1.00	32294.70	354443.00	32294.70	>100
28	1607.14	1	SLU	266.86	26.29	0.85	11.31	268.15	1.00	32294.70	353365.00	32294.70	>100
29	1666.67	1	SLU	285.71	28.15	0.85	11.31	287.10	1.00	32294.70	352289.00	32294.70	>100
30	1726.19	1	SLU	289.46	28.52	0.85	11.31	290.86	1.00	32294.70	351216.00	32294.70	>100
31	1785.71	1	SLU	281.66	27.75	0.85	11.31	283.03	1.00	32294.70	350146.00	32294.70	>100
32	1845.24	1	SLU	265.41	26.15	0.85	11.31	266.70	1.00	32294.70	349078.00	32294.70	>100
33	1904.76	1	SLU	243.30	23.97	0.85	11.31	244.48	1.00	32294.70	348013.00	32294.70	>100
34	1964.29	1	SLU	217.46	21.42	0.85	11.31	218.51	1.00	32294.70	346949.00	32294.70	>100
35	2023.81	1	SLU	189.62	18.68	0.85	11.31	190.54	1.00	32294.70	345887.00	32294.70	>100
36	2083.33	1	SLU	161.12	15.87	0.85	11.31	161.90	1.00	32294.70	344828.00	32294.70	>100
37	2142.86	1	SLU	132.99	13.10	0.85	11.31	133.63	1.00	32294.70	343769.00	32294.70	>100
38	2202.38	1	SLU	105.96	10.44	0.85	11.31	106.47	1.00	32294.70	342713.00	32294.70	>100
39	2261.90	1	SLU	80.55	7.94	0.85	11.31	80.94	1.00	32294.70	341658.00	32294.70	>100
40	2321.43	1	SLU	57.10	5.63	0.85	11.31	57.38	1.00	32294.70	340604.00	32294.70	>100
41	2380.95	1	SLU	35.81	3.53	0.85	11.31	35.98	1.00	32294.70	339551.00	32294.70	>100
42	2440.48	1	SLU	16.76	1.65	0.85	11.31	16.84	1.00	32294.70	338499.00	32294.70	>100

Verifiche stato limite d'esercizio

Caso	X <cm>	CC	TCC	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ_c <daN/cmq>	σ_f <daN/cmq>
44	0.00	2	SLE R	-239977.00	-22116.00	-21024.10	0.00	78.54	35.16	505.86
45	0.00	2	SLE R	-239977.00	-22116.00	-21024.10	0.00	78.54	35.16	505.86
46	59.52	2	SLE R	-239653.00	-23245.50	-22097.90	0.00	78.54	35.94	516.36
47	59.52	2	SLE R	-238104.00	-23245.50	-22097.90	0.00	78.54	35.81	514.47
48	119.05	2	SLE R	-236850.00	-23257.90	-22109.70	0.00	78.54	35.72	513.06
49	119.05	2	SLE R	-232675.00	-23257.90	-22109.70	0.00	78.54	35.38	507.97
50	178.57	2	SLE R	-233576.00	-22432.70	-21325.20	0.00	78.54	34.87	501.11
51	178.57	2	SLE R	-227247.00	-22432.70	-21325.20	0.00	78.54	34.35	493.39
52	238.09	2	SLE R	-229832.00	-21009.20	-19972.00	0.00	78.54	33.56	482.82
53	238.09	2	SLE R	-221818.00	-21009.20	-19972.00	0.00	78.54	32.90	473.05
54	297.62	2	SLE R	-225617.00	-19188.50	-18241.20	0.00	78.54	31.92	460.12

55	297.62	2	SLE R	-216390.00	-19188.50	-18241.20	0.00	78.54	31.17	448.87
56	357.14	2	SLE R	-220931.00	-17135.50	-16289.60	0.00	78.54	30.09	434.61
57	357.14	2	SLE R	-210983.00	-17135.50	-16289.60	0.00	78.54	29.28	422.48
58	416.67	2	SLE R	-215774.00	-14982.00	-14242.40	0.00	78.54	28.15	407.56
59	416.67	2	SLE R	-205604.00	-14982.00	-14242.40	0.00	78.54	27.32	395.15
60	476.19	2	SLE R	-210153.00	-12830.50	-12197.10	0.00	78.54	26.17	379.95
61	476.19	2	SLE R	-200251.00	-12830.50	-12197.10	0.00	78.54	25.36	367.88
62	535.71	2	SLE R	-204558.00	-10757.60	-10226.60	0.00	78.54	24.24	353.14
63	535.71	2	SLE R	-194923.00	-10757.60	-10226.60	0.00	78.54	23.46	341.40
64	595.24	2	SLE R	-198989.00	-8818.16	-8382.82	0.00	78.54	22.42	327.65
65	595.24	2	SLE R	-189620.00	-8818.16	-8382.82	0.00	78.54	21.66	316.23
66	654.76	2	SLE R	-193446.00	-7048.23	-6700.27	0.00	78.54	20.71	303.82
67	654.76	2	SLE R	-184341.00	-7048.23	-6700.27	0.00	78.54	19.97	292.72
68	714.29	2	SLE R	-187926.00	-5468.89	-5198.90	0.00	78.54	19.15	281.87
69	714.29	2	SLE R	-179085.00	-5468.89	-5198.90	0.00	78.54	18.43	271.09
70	773.81	2	SLE R	-182431.00	-4089.07	-3887.20	0.00	78.54	17.72	261.86
71	773.81	2	SLE R	-173853.00	-4089.07	-3887.20	0.00	78.54	17.03	251.40
72	833.33	2	SLE R	-176959.00	-2908.30	-2764.72	0.00	78.54	16.44	243.80
73	833.33	2	SLE R	-168642.00	-2908.30	-2764.72	0.00	78.54	15.77	233.66
74	892.86	2	SLE R	-171510.00	-1919.10	-1824.35	0.00	78.54	15.30	227.62
75	892.86	2	SLE R	-163453.00	-1919.10	-1824.35	0.00	78.54	14.64	217.79
76	952.38	2	SLE R	-166082.00	-1108.97	-1054.23	0.00	78.54	14.28	213.19
77	952.38	2	SLE R	-158284.00	-1108.97	-1054.23	0.00	78.54	13.65	203.68
78	1011.90	2	SLE R	-160675.00	-462.15	-439.34	0.00	78.54	13.39	200.36
79	1011.90	2	SLE R	-153135.00	-462.15	-439.34	0.00	78.54	12.77	191.17
80	1071.43	2	SLE R	-155289.00	39.05	37.12	0.00	78.54	12.65	189.71
81	1071.43	2	SLE R	-148006.00	39.05	37.12	0.00	78.54	12.06	180.84
82	1130.95	2	SLE R	-149922.00	413.11	392.71	0.00	78.54	12.48	186.80
83	1130.95	2	SLE R	-142896.00	413.11	392.71	0.00	78.54	11.91	178.24
84	1190.48	2	SLE R	-144575.00	678.44	644.94	0.00	78.54	12.23	182.86
85	1190.48	2	SLE R	-137804.00	678.44	644.94	0.00	78.54	11.68	174.61
86	1250.00	2	SLE R	-139245.00	852.73	810.63	0.00	78.54	11.92	178.06
87	1250.00	2	SLE R	-132729.00	852.73	810.63	0.00	78.54	11.39	170.11
88	1309.52	2	SLE R	-133934.00	952.51	905.49	0.00	78.54	11.56	172.55
89	1309.52	2	SLE R	-127672.00	952.51	905.49	0.00	78.54	11.05	164.91
90	1369.05	2	SLE R	-128639.00	992.85	943.83	0.00	78.54	11.16	166.49
91	1369.05	2	SLE R	-122630.00	992.85	943.83	0.00	78.54	10.67	159.16
92	1428.57	2	SLE R	-123361.00	987.16	938.43	0.00	78.54	10.73	160.00
93	1428.57	2	SLE R	-117604.00	987.16	938.43	0.00	78.54	10.26	152.97
94	1488.10	2	SLE R	-118099.00	947.18	900.42	0.00	78.54	10.27	153.19
95	1488.10	2	SLE R	-112593.00	947.18	900.42	0.00	78.54	9.82	146.48
96	1547.62	2	SLE R	-112851.00	882.91	839.33	0.00	78.54	9.80	146.17
97	1547.62	2	SLE R	-107596.00	882.91	839.33	0.00	78.54	9.37	139.76
98	1607.14	2	SLE R	-107618.00	802.75	763.13	0.00	78.54	9.32	139.01
99	1607.14	2	SLE R	-102613.00	802.75	763.13	0.00	78.54	8.91	132.91
100	1666.67	2	SLE R	-102398.00	713.58	678.35	0.00	78.54	8.83	131.78
101	1666.67	2	SLE R	-97642.90	713.58	678.35	0.00	78.54	8.44	125.98
102	1726.19	2	SLE R	-97191.80	620.88	590.23	0.00	78.54	8.34	124.53
103	1726.19	2	SLE R	-92685.10	620.88	590.23	0.00	78.54	7.97	119.04
104	1785.71	2	SLE R	-91997.60	528.92	502.81	0.00	78.54	7.85	117.31
105	1785.71	2	SLE R	-87739.20	528.92	502.81	0.00	78.54	7.51	112.11
106	1845.24	2	SLE R	-86815.10	440.90	419.13	0.00	78.54	7.37	110.13
107	1845.24	2	SLE R	-82804.40	440.90	419.13	0.00	78.54	7.04	105.24
108	1904.76	2	SLE R	-81643.60	359.09	341.37	0.00	78.54	6.89	103.03
109	1904.76	2	SLE R	-77880.20	359.09	341.37	0.00	78.54	6.58	98.44
110	1964.29	2	SLE R	-76482.40	285.04	270.97	0.00	78.54	6.42	96.02
111	1964.29	2	SLE R	-72965.80	285.04	270.97	0.00	78.54	6.13	91.73
112	2023.81	2	SLE R	-71331.00	219.65	208.81	0.00	78.54	5.95	89.10
113	2023.81	2	SLE R	-68060.60	219.65	208.81	0.00	78.54	5.69	85.12
114	2083.33	2	SLE R	-66188.60	163.34	155.27	0.00	78.54	5.50	82.29
115	2083.33	2	SLE R	-63164.20	163.34	155.27	0.00	78.54	5.25	78.60
116	2142.86	2	SLE R	-61054.70	116.14	110.40	0.00	78.54	5.04	75.57
117	2142.86	2	SLE R	-58275.70	116.14	110.40	0.00	78.54	4.82	72.18
118	2202.38	2	SLE R	-55928.50	77.81	73.97	0.00	78.54	4.60	68.95
119	2202.38	2	SLE R	-53394.60	77.81	73.97	0.00	78.54	4.40	65.86
120	2261.90	2	SLE R	-50809.30	47.91	45.55	0.00	78.54	4.16	62.41
121	2261.90	2	SLE R	-48520.30	47.91	45.55	0.00	78.54	3.98	59.62
122	2321.43	2	SLE R	-45696.70	25.87	24.59	0.00	78.54	3.73	55.97
123	2321.43	2	SLE R	-43652.20	25.87	24.59	0.00	78.54	3.57	53.47
124	2380.95	2	SLE R	-40589.80	11.01	10.47	0.00	78.54	3.31	49.60
125	2380.95	2	SLE R	-38789.60	11.01	10.47	0.00	78.54	3.16	47.40
126	2440.48	2	SLE R	-35488.10	2.63	2.50	0.00	78.54	2.89	43.29
127	2440.48	2	SLE R	-33932.00	2.63	2.50	0.00	78.54	2.76	41.40
128	2500.00	2	SLE R	-30390.90	0.00	0.00	0.00	78.54	2.47	37.05
129	2500.00	2	SLE R	-29078.60	0.00	0.00	0.00	78.54	2.36	35.45
130	0.00	4	SLE Q	-239977.00	-22116.00	-21024.10	0.00	78.54	35.16	505.86

131	0.00	4	SLE Q	-239977.00	-22116.00	-21024.10	0.00	78.54	35.16	505.86
132	59.52	4	SLE Q	-239653.00	-23245.50	-22097.90	0.00	78.54	35.94	516.36
133	59.52	4	SLE Q	-238104.00	-23245.50	-22097.90	0.00	78.54	35.81	514.47
134	119.05	4	SLE Q	-236850.00	-23257.90	-22109.70	0.00	78.54	35.72	513.06
135	119.05	4	SLE Q	-232675.00	-23257.90	-22109.70	0.00	78.54	35.38	507.97
136	178.57	4	SLE Q	-233576.00	-22432.70	-21325.20	0.00	78.54	34.87	501.11
137	178.57	4	SLE Q	-227247.00	-22432.70	-21325.20	0.00	78.54	34.35	493.39
138	238.09	4	SLE Q	-229832.00	-21009.20	-19972.00	0.00	78.54	33.56	482.82
139	238.09	4	SLE Q	-221818.00	-21009.20	-19972.00	0.00	78.54	32.90	473.05
140	297.62	4	SLE Q	-225617.00	-19188.50	-18241.20	0.00	78.54	31.92	460.12
141	297.62	4	SLE Q	-216390.00	-19188.50	-18241.20	0.00	78.54	31.17	448.87
142	357.14	4	SLE Q	-220931.00	-17135.50	-16289.60	0.00	78.54	30.09	434.61
143	357.14	4	SLE Q	-210983.00	-17135.50	-16289.60	0.00	78.54	29.28	422.48
144	416.67	4	SLE Q	-215774.00	-14982.00	-14242.40	0.00	78.54	28.15	407.56
145	416.67	4	SLE Q	-205604.00	-14982.00	-14242.40	0.00	78.54	27.32	395.15
146	476.19	4	SLE Q	-210153.00	-12830.50	-12197.10	0.00	78.54	26.17	379.95
147	476.19	4	SLE Q	-200251.00	-12830.50	-12197.10	0.00	78.54	25.36	367.88
148	535.71	4	SLE Q	-204558.00	-10757.60	-10226.60	0.00	78.54	24.24	353.14
149	535.71	4	SLE Q	-194923.00	-10757.60	-10226.60	0.00	78.54	23.46	341.40
150	595.24	4	SLE Q	-198989.00	-8818.16	-8382.82	0.00	78.54	22.42	327.65
151	595.24	4	SLE Q	-189620.00	-8818.16	-8382.82	0.00	78.54	21.66	316.23
152	654.76	4	SLE Q	-193446.00	-7048.23	-6700.27	0.00	78.54	20.71	303.82
153	654.76	4	SLE Q	-184341.00	-7048.23	-6700.27	0.00	78.54	19.97	292.72
154	714.29	4	SLE Q	-187926.00	-5468.89	-5198.90	0.00	78.54	19.15	281.87
155	714.29	4	SLE Q	-179085.00	-5468.89	-5198.90	0.00	78.54	18.43	271.09
156	773.81	4	SLE Q	-182431.00	-4089.07	-3887.20	0.00	78.54	17.72	261.86
157	773.81	4	SLE Q	-173853.00	-4089.07	-3887.20	0.00	78.54	17.03	251.40
158	833.33	4	SLE Q	-176959.00	-2908.30	-2764.72	0.00	78.54	16.44	243.80
159	833.33	4	SLE Q	-168642.00	-2908.30	-2764.72	0.00	78.54	15.77	233.66
160	892.86	4	SLE Q	-171510.00	-1919.10	-1824.35	0.00	78.54	15.30	227.62
161	892.86	4	SLE Q	-163453.00	-1919.10	-1824.35	0.00	78.54	14.64	217.79
162	952.38	4	SLE Q	-166082.00	-1108.97	-1054.23	0.00	78.54	14.28	213.19
163	952.38	4	SLE Q	-158284.00	-1108.97	-1054.23	0.00	78.54	13.65	203.68
164	1011.90	4	SLE Q	-160675.00	-462.15	-439.34	0.00	78.54	13.39	200.36
165	1011.90	4	SLE Q	-153135.00	-462.15	-439.34	0.00	78.54	12.77	191.17
166	1071.43	4	SLE Q	-155289.00	39.05	37.12	0.00	78.54	12.65	189.71
167	1071.43	4	SLE Q	-148006.00	39.05	37.12	0.00	78.54	12.06	180.84
168	1130.95	4	SLE Q	-149922.00	413.11	392.71	0.00	78.54	12.48	186.80
169	1130.95	4	SLE Q	-142896.00	413.11	392.71	0.00	78.54	11.91	178.24
170	1190.48	4	SLE Q	-144575.00	678.44	644.94	0.00	78.54	12.23	182.86
171	1190.48	4	SLE Q	-137804.00	678.44	644.94	0.00	78.54	11.68	174.61
172	1250.00	4	SLE Q	-139245.00	852.73	810.63	0.00	78.54	11.92	178.06
173	1250.00	4	SLE Q	-132729.00	852.73	810.63	0.00	78.54	11.39	170.11
174	1309.52	4	SLE Q	-133934.00	952.51	905.49	0.00	78.54	11.56	172.55
175	1309.52	4	SLE Q	-127672.00	952.51	905.49	0.00	78.54	11.05	164.91
176	1369.05	4	SLE Q	-128639.00	992.85	943.83	0.00	78.54	11.16	166.49
177	1369.05	4	SLE Q	-122630.00	992.85	943.83	0.00	78.54	10.67	159.16
178	1428.57	4	SLE Q	-123361.00	987.16	938.43	0.00	78.54	10.73	160.00
179	1428.57	4	SLE Q	-117604.00	987.16	938.43	0.00	78.54	10.26	152.97
180	1488.10	4	SLE Q	-118099.00	947.18	900.42	0.00	78.54	10.27	153.19
181	1488.10	4	SLE Q	-112593.00	947.18	900.42	0.00	78.54	9.82	146.48
182	1547.62	4	SLE Q	-112851.00	882.91	839.33	0.00	78.54	9.80	146.17
183	1547.62	4	SLE Q	-107596.00	882.91	839.33	0.00	78.54	9.37	139.76
184	1607.14	4	SLE Q	-107618.00	802.75	763.13	0.00	78.54	9.32	139.01
185	1607.14	4	SLE Q	-102613.00	802.75	763.13	0.00	78.54	8.91	132.91
186	1666.67	4	SLE Q	-102398.00	713.58	678.35	0.00	78.54	8.83	131.78
187	1666.67	4	SLE Q	-97642.90	713.58	678.35	0.00	78.54	8.44	125.98
188	1726.19	4	SLE Q	-97191.80	620.88	590.23	0.00	78.54	8.34	124.53
189	1726.19	4	SLE Q	-92685.10	620.88	590.23	0.00	78.54	7.97	119.04
190	1785.71	4	SLE Q	-91997.60	528.92	502.81	0.00	78.54	7.85	117.31
191	1785.71	4	SLE Q	-87739.20	528.92	502.81	0.00	78.54	7.51	112.11
192	1845.24	4	SLE Q	-86815.10	440.90	419.13	0.00	78.54	7.37	110.13
193	1845.24	4	SLE Q	-82804.40	440.90	419.13	0.00	78.54	7.04	105.24
194	1904.76	4	SLE Q	-81643.60	359.09	341.37	0.00	78.54	6.89	103.03
195	1904.76	4	SLE Q	-77880.20	359.09	341.37	0.00	78.54	6.58	98.44
196	1964.29	4	SLE Q	-76482.40	285.04	270.97	0.00	78.54	6.42	96.02
197	1964.29	4	SLE Q	-72965.80	285.04	270.97	0.00	78.54	6.13	91.73
198	2023.81	4	SLE Q	-71331.00	219.65	208.81	0.00	78.54	5.95	89.10
199	2023.81	4	SLE Q	-68060.60	219.65	208.81	0.00	78.54	5.69	85.12
200	2083.33	4	SLE Q	-66188.60	163.34	155.27	0.00	78.54	5.50	82.29
201	2083.33	4	SLE Q	-63164.20	163.34	155.27	0.00	78.54	5.25	78.60
202	2142.86	4	SLE Q	-61054.70	116.14	110.40	0.00	78.54	5.04	75.57
203	2142.86	4	SLE Q	-58275.70	116.14	110.40	0.00	78.54	4.82	72.18
204	2202.38	4	SLE Q	-55928.50	77.81	73.97	0.00	78.54	4.60	68.95
205	2202.38	4	SLE Q	-53394.60	77.81	73.97	0.00	78.54	4.40	65.86
206	2261.90	4	SLE Q	-50809.30	47.91	45.55	0.00	78.54	4.16	62.41

207	2261.90	4	SLE Q	-48520.30	47.91	45.55	0.00	78.54	3.98	59.62
208	2321.43	4	SLE Q	-45696.70	25.87	24.59	0.00	78.54	3.73	55.97
209	2321.43	4	SLE Q	-43652.20	25.87	24.59	0.00	78.54	3.57	53.47
210	2380.95	4	SLE Q	-40589.80	11.01	10.47	0.00	78.54	3.31	49.60
211	2380.95	4	SLE Q	-38789.60	11.01	10.47	0.00	78.54	3.16	47.40
212	2440.48	4	SLE Q	-35488.10	2.63	2.50	0.00	78.54	2.89	43.29
213	2440.48	4	SLE Q	-33932.00	2.63	2.50	0.00	78.54	2.76	41.40
214	2500.00	4	SLE Q	-30390.90	0.00	0.00	0.00	78.54	2.47	37.05
215	2500.00	4	SLE Q	-29078.60	0.00	0.00	0.00	78.54	2.36	35.45

Verifiche principali

Caso	Tipo
3	SLU N cost - min. sic.
8	SLU Taglio - min. sic. c.a.,SLU Taglio - min. sic. acciaio
46	C.Rare - Sc min (max compr.),C.Rare - Sf min (max compr.)
129	C.Rare - Sc max (min. compr.),C.Rare - Sf max (max traz.)
132	C.Q.Per. - Sc min (max compr.),C.Q.Per. - Sf min (max compr.)
215	C.Q.Per. - Sc max (min. compr.),C.Q.Per. - Sf max (max traz.)

Palo n. 26

Caratteristiche del palo e dei materiali utilizzati

R <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
60.00	6.00	C30/37	307.10	20.59	174.02	13.73	B450C	4300.00	3913.04

Le sollecitazioni nei pali vengono calcolate oltre che per l'effetto delle reazioni vincolari anche considerando i seguenti effetti

Azioni ed effetti comuni

Az	N <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
PP	0.00	0.00	0.00	
SVR	0.00			

Azioni ed effetti - Plinto/Palo n. 26 (-167)

Caso	CC	TCC	Az	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	RVN	299541.00	5794.48	849.27	-13375.10	44027.50
	1	SLU	TAG				0.00	0.00
	1	SLU	ECC				0.00	0.00
	1	SLU	TOT	299541.00	5794.48	849.27	-13375.10	44027.50
2	2	SLE R	RVN	221882.00	4292.21	629.09	-9907.46	32613.00
	2	SLE R	TAG				0.00	0.00
	2	SLE R	ECC				0.00	0.00
	2	SLE R	TOT	221882.00	4292.21	629.09	-9907.46	32613.00
3	3	SLE F	RVN	221882.00	4292.21	629.09	-9907.46	32613.00
	3	SLE F	TAG				0.00	0.00
	3	SLE F	ECC				0.00	0.00
	3	SLE F	TOT	221882.00	4292.21	629.09	-9907.46	32613.00
4	4	SLE Q	RVN	221882.00	4292.21	629.09	-9907.46	32613.00
	4	SLE Q	TAG				0.00	0.00
	4	SLE Q	ECC				0.00	0.00
	4	SLE Q	TOT	221882.00	4292.21	629.09	-9907.46	32613.00

Sollecitazioni nei pali

Caso	CC	TCC	Palo	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	1	-299541.00	-5794.48	-849.27	13375.10	-44027.50
2	2	SLE R	1	-221882.00	-4292.21	-629.09	9907.46	-32613.00
3	3	SLE F	1	-221882.00	-4292.21	-629.09	9907.46	-32613.00
4	4	SLE Q	1	-221882.00	-4292.21	-629.09	9907.46	-32613.00

Da 0 a -25

Stato limite ultimo - Verifiche a flessione/pressoflessione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	Rott.	α <grad>	Sic.
1	0.00	1	SLU	-299541.00	-13235.70	-43568.80	-299541.00	-74668.70	-244704.00	2-3	286.88	5.619
2	59.52	1	SLU	-299216.00	-13861.00	-45627.10	-299216.00	-74635.70	-244611.00	2-3	286.88	5.363
3	119.05	1	SLU	-296413.00	-13832.30	-45532.50	-296413.00	-74351.30	-243809.00	2-3	286.88	5.356
4	178.57	1	SLU	-293140.00	-13314.40	-43827.70	-293140.00	-74019.30	-242871.00	2-3	286.88	5.543
5	238.09	1	SLU	-289395.00	-12448.50	-40977.30	-289395.00	-73638.40	-241796.00	2-3	286.88	5.902
6	297.62	1	SLU	-285180.00	-11352.80	-37370.80	-285180.00	-73205.30	-240578.00	2-3	286.88	6.438
7	357.14	1	SLU	-280494.00	-10124.40	-33326.90	-280494.00	-72724.20	-239222.00	2-3	286.88	7.178
8	416.67	1	SLU	-275338.00	-8840.38	-29100.40	-275338.00	-72188.20	-237719.00	2-3	286.88	8.169

9	476.19	1	SLU	-269711.00	-7560.89	-24888.60	-269711.00	-71602.80	-236075.00	2-3	286.88	9.484
10	535.71	1	SLU	-263613.00	-6330.69	-20839.10	-2571250.00	-70960.80	-234279.00	2-3	286.88	9.754
11	595.24	1	SLU	-257045.00	-5181.56	-17056.40	-2571250.00	-70266.00	-232337.00	2-3	286.88	10.003
12	654.76	1	SLU	-250006.00	-4134.44	-13609.60	-2571250.00	-69516.40	-230244.00	2-3	286.88	10.285
13	714.29	1	SLU	-242812.00	-3201.35	-10538.10	-2571250.00	-68741.40	-228090.00	2-3	286.88	10.589
14	773.81	1	SLU	-235647.00	-2387.20	-7858.10	-2571250.00	-70466.90	-225079.00	2-3	287.50	10.911
15	833.33	1	SLU	-228513.00	-1691.42	-5567.75	-2571250.00	-69783.00	-222842.00	2-3	287.50	11.252
16	892.86	1	SLU	-221408.00	-1109.32	-3651.62	-2571250.00	-66871.30	-221233.00	2-3	286.88	11.613
17	952.38	1	SLU	-214331.00	-633.32	-2084.75	-2571250.00	-66227.80	-218915.00	2-3	286.88	11.997
18	1011.90	1	SLU	-207281.00	-253.93	-835.88	-2571250.00	-65583.80	-216592.00	2-3	286.88	12.405
19	1071.43	1	SLU	-200258.00	39.44	129.81	-2571250.00	65228.20	214316.00	2-3	106.88	12.840
20	1130.95	1	SLU	-193260.00	257.79	848.57	-2571250.00	64378.70	212065.00	2-3	106.88	13.305
21	1190.48	1	SLU	-186286.00	412.07	1356.43	-2571250.00	63526.30	209810.00	2-3	106.88	13.803
22	1250.00	1	SLU	-179336.00	512.79	1687.97	-2571250.00	62671.00	207551.00	2-3	106.88	14.338
23	1309.52	1	SLU	-172409.00	569.73	1875.41	-2571250.00	61825.40	205272.00	2-3	106.88	14.914
24	1369.05	1	SLU	-165504.00	591.81	1948.09	-2571250.00	63255.40	202201.00	2-3	107.50	15.536
25	1428.57	1	SLU	-158619.00	586.96	1932.12	-2571250.00	62412.90	199903.00	2-3	107.50	16.210
26	1488.10	1	SLU	-151755.00	562.09	1850.26	-2571250.00	61565.50	197599.00	2-3	107.50	16.943
27	1547.62	1	SLU	-144910.00	523.11	1721.94	-2571250.00	60783.50	195240.00	2-3	107.50	17.744
28	1607.14	1	SLU	-138084.00	474.95	1563.42	-2571250.00	60128.10	192783.00	2-3	107.50	18.621
29	1666.67	1	SLU	-131275.00	421.66	1387.99	-2571250.00	59472.80	190318.00	2-3	107.50	19.587
30	1726.19	1	SLU	-124483.00	366.45	1206.25	-2571250.00	58818.80	187839.00	2-3	107.50	20.655
31	1785.71	1	SLU	-117706.00	311.82	1026.43	-2571250.00	56197.20	185949.00	2-3	106.88	21.845
32	1845.24	1	SLU	-110945.00	259.64	854.66	-2571250.00	55556.70	183451.00	2-3	106.88	23.176
33	1904.76	1	SLU	-104198.00	211.23	695.31	-2571250.00	54917.00	180943.00	2-3	106.88	24.677
34	1964.29	1	SLU	-97463.30	167.48	551.30	-2571250.00	54277.60	178425.00	2-3	106.88	26.382
35	2023.81	1	SLU	-90741.50	128.91	424.33	-2571250.00	53637.90	175900.00	2-3	106.88	28.336
36	2083.33	1	SLU	-84031.20	95.74	315.15	-2571250.00	52988.90	173367.00	2-3	106.88	30.599
37	2142.86	1	SLU	-77331.60	67.98	223.79	-2571250.00	52304.50	170820.00	2-3	106.88	33.250
38	2202.38	1	SLU	-70641.80	45.49	149.73	-2571250.00	51619.30	168268.00	2-3	106.88	36.398
39	2261.90	1	SLU	-63961.00	27.97	92.06	-2571250.00	48974.70	166256.00	2-3	106.25	40.200
40	2321.43	1	SLU	-57288.30	15.07	49.62	-2571250.00	48295.70	163684.00	2-3	106.25	44.883
41	2380.95	1	SLU	-50622.80	6.40	21.08	-2571250.00	47615.40	161107.00	2-3	106.25	50.792
42	2440.48	1	SLU	-43963.80	1.53	5.03	-2571250.00	46879.80	158524.00	2-3	106.25	58.486
43	2500.00	1	SLU	-37310.40	0.00	0.00	-2571250.00					68.915

Stato limite ultimo - Verifiche a taglio

Caso	X <cm>	CC	TCC	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1	0.00	1	SLU	5794.48	849.27	0.85	11.31	5856.39	1.00	32294.70	374574.00	32294.70	5.514
2	59.52	1	SLU	1537.06	225.28	0.85	11.31	1553.48	1.00	32294.70	374528.00	32294.70	20.789
3	119.05	1	SLU	-1708.81	-250.45	0.85	11.31	1727.07	1.00	32294.70	374126.00	32294.70	18.699
4	178.57	1	SLU	-4080.11	-598.00	0.85	11.31	4123.70	1.00	32294.70	373657.00	32294.70	7.832
5	238.09	1	SLU	-5710.85	-837.01	0.85	11.31	5771.87	1.00	32294.70	373121.00	32294.70	5.595
6	297.62	1	SLU	-6728.08	-986.10	0.85	11.31	6799.96	1.00	32294.70	372517.00	32294.70	4.749
7	357.14	1	SLU	-7249.01	-1062.45	0.85	11.31	7326.46	1.00	32294.70	371846.00	32294.70	4.408
8	416.67	1	SLU	-7379.29	-1081.55	0.85	11.31	7458.13	1.00	32294.70	371107.00	32294.70	4.330
9	476.19	1	SLU	-7212.12	-1057.04	0.85	11.31	7289.17	1.00	32294.70	370301.00	32294.70	4.431
10	535.71	1	SLU	-6828.02	-1000.75	0.85	11.31	6900.97	1.00	32294.70	369428.00	32294.70	4.680
11	595.24	1	SLU	-6295.13	-922.65	0.85	11.31	6362.38	1.00	32294.70	368487.00	32294.70	5.076
12	654.76	1	SLU	-5669.83	-831.00	0.85	11.31	5730.41	1.00	32294.70	367479.00	32294.70	5.636
13	714.29	1	SLU	-4997.72	-732.49	0.85	11.31	5051.12	1.00	32294.70	366448.00	32294.70	6.394
14	773.81	1	SLU	-4314.64	-632.38	0.85	11.31	4360.73	1.00	32294.70	365422.00	32294.70	7.406
15	833.33	1	SLU	-3647.83	-534.64	0.85	11.31	3686.80	1.00	32294.70	364400.00	32294.70	8.760
16	892.86	1	SLU	-3017.14	-442.21	0.85	11.31	3049.38	1.00	32294.70	363382.00	32294.70	10.591
17	952.38	1	SLU	-2436.15	-357.05	0.85	11.31	2462.18	1.00	32294.70	362369.00	32294.70	13.116
18	1011.90	1	SLU	-1913.24	-280.41	0.85	11.31	1933.68	1.00	32294.70	361359.00	32294.70	16.701
19	1071.43	1	SLU	-1452.62	-212.90	0.85	11.31	1468.14	1.00	32294.70	360353.00	32294.70	21.997
20	1130.95	1	SLU	-1055.20	-154.66	0.85	11.31	1066.48	1.00	32294.70	359350.00	32294.70	30.282
21	1190.48	1	SLU	-719.41	-105.44	0.85	11.31	727.10	1.00	32294.70	358352.00	32294.70	44.416
22	1250.00	1	SLU	-441.86	-64.76	0.85	11.31	446.58	1.00	32294.70	357356.00	32294.70	72.316
23	1309.52	1	SLU	-217.91	-31.94	0.85	11.31	220.24	1.00	32294.70	356364.00	32294.70	>100
24	1369.05	1	SLU	-42.19	-6.18	0.85	11.31	42.64	1.00	32294.70	355375.00	32294.70	>100
25	1428.57	1	SLU	91.08	13.35	0.85	11.31	92.06	1.00	32294.70	354389.00	32294.70	>100
26	1488.10	1	SLU	187.73	27.51	0.85	11.31	189.73	1.00	32294.70	353405.00	32294.70	>100
27	1547.62	1	SLU	253.42	37.14	0.85	11.31	256.13	1.00	32294.70	352425.00	32294.70	>100
28	1607.14	1	SLU	293.52	43.02	0.85	11.31	296.66	1.00	32294.70	351447.00	32294.70	>100
29	1666.67	1	SLU	312.95	45.87	0.85	11.31	316.30	1.00	32294.70	350472.00	32294.70	>100
30	1726.19	1	SLU	316.12	46.33	0.85	11.31	319.50	1.00	32294.70	349499.00	32294.70	>100
31	1785.71	1	SLU	306.91	44.98	0.85	11.31	310.19	1.00	32294.70	348528.00	32294.70	>100
32	1845.24	1	SLU	288.66	42.31	0.85	11.31	291.74	1.00	32294.70	347560.00	32294.70	>100
33	1904.76	1	SLU	264.16	38.72	0.85	11.31	266.98	1.00	32294.70	346593.00	32294.70	>100
34	1964.29	1	SLU	235.73	34.55	0.85	11.31	238.25	1.00	32294.70	345629.00	32294.70	>100
35	2023.81	1	SLU	205.23	30.08	0.85	11.31	207.43	1.00	32294.70	344666.00	32294.70	>100
36	2083.33	1	SLU	174.11	25.52	0.85	11.31	175.97	1.00	32294.70	343705.00	32294.70	>100
37	2142.86	1	SLU	143.47	21.03	0.85	11.31	145.01	1.00	32294.70	342745.00	32294.70	>100
38	2202.38	1	SLU	114.11	16.73	0.85	11.31	115.33	1.00	32294.70	341787.00	32294.70	>100

39	2261.90	1	SLU	86.59	12.69	0.85	11.31	87.51	1.00	32294.70	340830.00	32294.70	>100
40	2321.43	1	SLU	61.25	8.98	0.85	11.31	61.91	1.00	32294.70	339874.00	32294.70	>100
41	2380.95	1	SLU	38.32	5.62	0.85	11.31	38.73	1.00	32294.70	338919.00	32294.70	>100
42	2440.48	1	SLU	17.89	2.62	0.85	11.31	18.08	1.00	32294.70	337965.00	32294.70	>100

Verifiche stato limite d'esercizio

Caso	X <cm>	CC	TCC	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ_C <daN/cmq>	σ_f <daN/cmq>
44	0.00	2	SLE R	-221882.00	-32273.20	-9804.25	0.00	78.54	35.49	507.16
45	0.00	2	SLE R	-221882.00	-32273.20	-9804.25	0.00	78.54	35.49	507.16
46	59.52	2	SLE R	-221557.00	-33797.90	-10267.40	0.00	78.54	36.29	517.95
47	59.52	2	SLE R	-220165.00	-33797.90	-10267.40	0.00	78.54	36.18	516.25
48	119.05	2	SLE R	-218754.00	-33727.70	-10246.10	0.00	78.54	36.02	514.02
49	119.05	2	SLE R	-215077.00	-33727.70	-10246.10	0.00	78.54	35.73	509.56
50	178.57	2	SLE R	-215481.00	-32464.90	-9862.49	0.00	78.54	35.07	500.76
51	178.57	2	SLE R	-210016.00	-32464.90	-9862.49	0.00	78.54	34.63	494.11
52	238.09	2	SLE R	-211736.00	-30353.60	-9221.09	0.00	78.54	33.63	480.72
53	238.09	2	SLE R	-204981.00	-30353.60	-9221.09	0.00	78.54	33.08	472.48
54	297.62	2	SLE R	-207521.00	-27682.10	-8409.51	0.00	78.54	31.84	455.99
55	297.62	2	SLE R	-199973.00	-27682.10	-8409.51	0.00	78.54	31.23	446.79
56	357.14	2	SLE R	-202836.00	-24686.60	-7499.52	0.00	78.54	29.84	428.31
57	357.14	2	SLE R	-194990.00	-24686.60	-7499.52	0.00	78.54	29.20	418.75
58	416.67	2	SLE R	-197679.00	-21555.80	-6548.43	0.00	78.54	27.73	399.07
59	416.67	2	SLE R	-190032.00	-21555.80	-6548.43	0.00	78.54	27.10	389.75
60	476.19	2	SLE R	-192545.00	-18436.00	-5600.66	0.00	78.54	25.62	369.94
61	476.19	2	SLE R	-185097.00	-18436.00	-5600.66	0.00	78.54	25.02	360.86
62	535.71	2	SLE R	-187435.00	-15436.40	-4689.40	0.00	78.54	23.58	341.71
63	535.71	2	SLE R	-180187.00	-15436.40	-4689.40	0.00	78.54	22.99	332.87
64	595.24	2	SLE R	-182349.00	-12634.40	-3838.20	0.00	78.54	21.66	314.97
65	595.24	2	SLE R	-175299.00	-12634.40	-3838.20	0.00	78.54	21.08	306.37
66	654.76	2	SLE R	-177286.00	-10081.20	-3062.55	0.00	78.54	19.86	290.07
67	654.76	2	SLE R	-170433.00	-10081.20	-3062.55	0.00	78.54	19.31	281.72
68	714.29	2	SLE R	-172246.00	-7805.98	-2371.37	0.00	78.54	18.22	267.25
69	714.29	2	SLE R	-165589.00	-7805.98	-2371.37	0.00	78.54	17.68	259.13
70	773.81	2	SLE R	-167228.00	-5820.81	-1768.30	0.00	78.54	16.74	246.57
71	773.81	2	SLE R	-160767.00	-5820.81	-1768.30	0.00	78.54	16.22	238.69
72	833.33	2	SLE R	-162231.00	-4124.26	-1252.90	0.00	78.54	15.42	228.04
73	833.33	2	SLE R	-155964.00	-4124.26	-1252.90	0.00	78.54	14.91	220.40
74	892.86	2	SLE R	-157254.00	-2704.91	-821.72	0.00	78.54	14.24	211.56
75	892.86	2	SLE R	-151181.00	-2704.91	-821.72	0.00	78.54	13.75	204.16
76	952.38	2	SLE R	-152297.00	-1544.26	-469.13	0.00	78.54	13.21	197.01
77	952.38	2	SLE R	-146418.00	-1544.26	-469.13	0.00	78.54	12.74	189.84
78	1011.90	2	SLE R	-147360.00	-619.17	-188.10	0.00	78.54	12.31	184.21
79	1011.90	2	SLE R	-141673.00	-619.17	-188.10	0.00	78.54	11.85	177.27
80	1071.43	2	SLE R	-142442.00	96.16	29.21	0.00	78.54	11.63	174.38
81	1071.43	2	SLE R	-136946.00	96.16	29.21	0.00	78.54	11.18	167.68
82	1130.95	2	SLE R	-137541.00	628.57	190.95	0.00	78.54	11.52	172.32
83	1130.95	2	SLE R	-132237.00	628.57	190.95	0.00	78.54	11.09	165.85
84	1190.48	2	SLE R	-132658.00	1004.77	305.24	0.00	78.54	11.33	169.13
85	1190.48	2	SLE R	-127544.00	1004.77	305.24	0.00	78.54	10.91	162.89
86	1250.00	2	SLE R	-127792.00	1250.35	379.84	0.00	78.54	11.06	165.00
87	1250.00	2	SLE R	-122867.00	1250.35	379.84	0.00	78.54	10.66	159.00
88	1309.52	2	SLE R	-122942.00	1389.19	422.02	0.00	78.54	10.74	160.11
89	1309.52	2	SLE R	-118206.00	1389.19	422.02	0.00	78.54	10.36	154.33
90	1369.05	2	SLE R	-118108.00	1443.03	438.38	0.00	78.54	10.38	154.61
91	1369.05	2	SLE R	-113560.00	1443.03	438.38	0.00	78.54	10.01	149.06
92	1428.57	2	SLE R	-113288.00	1431.20	434.78	0.00	78.54	9.98	148.65
93	1428.57	2	SLE R	-108929.00	1431.20	434.78	0.00	78.54	9.63	143.33
94	1488.10	2	SLE R	-108483.00	1370.56	416.36	0.00	78.54	9.56	142.34
95	1488.10	2	SLE R	-104311.00	1370.56	416.36	0.00	78.54	9.22	137.25
96	1547.62	2	SLE R	-103692.00	1275.51	387.49	0.00	78.54	9.12	135.80
97	1547.62	2	SLE R	-99706.90	1275.51	387.49	0.00	78.54	8.79	130.94
98	1607.14	2	SLE R	-98914.00	1158.09	351.81	0.00	78.54	8.67	129.11
99	1607.14	2	SLE R	-95115.10	1158.09	351.81	0.00	78.54	8.36	124.48
100	1666.67	2	SLE R	-94148.50	1028.14	312.34	0.00	78.54	8.21	122.35
101	1666.67	2	SLE R	-90535.40	1028.14	312.34	0.00	78.54	7.92	117.94
102	1726.19	2	SLE R	-89395.00	893.52	271.44	0.00	78.54	7.75	115.56
103	1726.19	2	SLE R	-85967.20	893.52	271.44	0.00	78.54	7.47	111.38
104	1785.71	2	SLE R	-84652.80	760.32	230.98	0.00	78.54	7.29	108.80
105	1785.71	2	SLE R	-81409.90	760.32	230.98	0.00	78.54	7.03	104.85
106	1845.24	2	SLE R	-79921.40	633.08	192.32	0.00	78.54	6.84	102.10
107	1845.24	2	SLE R	-76862.90	633.08	192.32	0.00	78.54	6.59	98.37
108	1904.76	2	SLE R	-75200.10	515.05	156.47	0.00	78.54	6.39	95.47
109	1904.76	2	SLE R	-72325.70	515.05	156.47	0.00	78.54	6.16	91.97
110	1964.29	2	SLE R	-70488.40	408.37	124.06	0.00	78.54	5.95	88.94
111	1964.29	2	SLE R	-67797.70	408.37	124.06	0.00	78.54	5.73	85.66
112	2023.81	2	SLE R	-65785.60	314.32	95.49	0.00	78.54	5.52	82.52

113	2023.81	2	SLE R	-63278.30	314.32	95.49	0.00	78.54	5.31	79.46
114	2083.33	2	SLE R	-61091.20	233.44	70.92	0.00	78.54	5.09	76.20
115	2083.33	2	SLE R	-58766.90	233.44	70.92	0.00	78.54	4.90	73.37
116	2142.86	2	SLE R	-56404.50	165.77	50.36	0.00	78.54	4.67	69.99
117	2142.86	2	SLE R	-54263.00	165.77	50.36	0.00	78.54	4.50	67.38
118	2202.38	2	SLE R	-51725.00	110.91	33.69	0.00	78.54	4.26	63.88
119	2202.38	2	SLE R	-49766.00	110.91	33.69	0.00	78.54	4.11	61.49
120	2261.90	2	SLE R	-47052.00	68.19	20.72	0.00	78.54	3.86	57.87
121	2261.90	2	SLE R	-45275.30	68.19	20.72	0.00	78.54	3.72	55.70
122	2321.43	2	SLE R	-42385.00	36.76	11.17	0.00	78.54	3.47	51.95
123	2321.43	2	SLE R	-40790.30	36.76	11.17	0.00	78.54	3.34	50.00
124	2380.95	2	SLE R	-37723.50	15.62	4.74	0.00	78.54	3.07	46.11
125	2380.95	2	SLE R	-36310.50	15.62	4.74	0.00	78.54	2.96	44.39
126	2440.48	2	SLE R	-33066.70	3.72	1.13	0.00	78.54	2.69	40.34
127	2440.48	2	SLE R	-31835.40	3.72	1.13	0.00	78.54	2.59	38.84
128	2500.00	2	SLE R	-28414.10	0.00	0.00	0.00	78.54	2.31	34.64
129	2500.00	2	SLE R	-27364.20	0.00	0.00	0.00	78.54	2.22	33.36
130	0.00	4	SLE Q	-221882.00	-32273.20	-9804.25	0.00	78.54	35.49	507.16
131	0.00	4	SLE Q	-221882.00	-32273.20	-9804.25	0.00	78.54	35.49	507.16
132	59.52	4	SLE Q	-221557.00	-33797.90	-10267.40	0.00	78.54	36.29	517.95
133	59.52	4	SLE Q	-220165.00	-33797.90	-10267.40	0.00	78.54	36.18	516.25
134	119.05	4	SLE Q	-218754.00	-33727.70	-10246.10	0.00	78.54	36.02	514.02
135	119.05	4	SLE Q	-215077.00	-33727.70	-10246.10	0.00	78.54	35.73	509.56
136	178.57	4	SLE Q	-215481.00	-32464.90	-9862.49	0.00	78.54	35.07	500.76
137	178.57	4	SLE Q	-210016.00	-32464.90	-9862.49	0.00	78.54	34.63	494.11
138	238.09	4	SLE Q	-211736.00	-30353.60	-9221.09	0.00	78.54	33.63	480.72
139	238.09	4	SLE Q	-204981.00	-30353.60	-9221.09	0.00	78.54	33.08	472.48
140	297.62	4	SLE Q	-207521.00	-27682.10	-8409.51	0.00	78.54	31.84	455.99
141	297.62	4	SLE Q	-199973.00	-27682.10	-8409.51	0.00	78.54	31.23	446.79
142	357.14	4	SLE Q	-202836.00	-24686.60	-7499.52	0.00	78.54	29.84	428.31
143	357.14	4	SLE Q	-194990.00	-24686.60	-7499.52	0.00	78.54	29.20	418.75
144	416.67	4	SLE Q	-197679.00	-21555.80	-6548.43	0.00	78.54	27.73	399.07
145	416.67	4	SLE Q	-190032.00	-21555.80	-6548.43	0.00	78.54	27.10	389.75
146	476.19	4	SLE Q	-192545.00	-18436.00	-5600.66	0.00	78.54	25.62	369.94
147	476.19	4	SLE Q	-185097.00	-18436.00	-5600.66	0.00	78.54	25.02	360.86
148	535.71	4	SLE Q	-187435.00	-15436.40	-4689.40	0.00	78.54	23.58	341.71
149	535.71	4	SLE Q	-180187.00	-15436.40	-4689.40	0.00	78.54	22.99	332.87
150	595.24	4	SLE Q	-182349.00	-12634.40	-3838.20	0.00	78.54	21.66	314.97
151	595.24	4	SLE Q	-175299.00	-12634.40	-3838.20	0.00	78.54	21.08	306.37
152	654.76	4	SLE Q	-177286.00	-10081.20	-3062.55	0.00	78.54	19.86	290.07
153	654.76	4	SLE Q	-170433.00	-10081.20	-3062.55	0.00	78.54	19.31	281.72
154	714.29	4	SLE Q	-172246.00	-7805.98	-2371.37	0.00	78.54	18.22	267.25
155	714.29	4	SLE Q	-165589.00	-7805.98	-2371.37	0.00	78.54	17.68	259.13
156	773.81	4	SLE Q	-167228.00	-5820.81	-1768.30	0.00	78.54	16.74	246.57
157	773.81	4	SLE Q	-160767.00	-5820.81	-1768.30	0.00	78.54	16.22	238.69
158	833.33	4	SLE Q	-162231.00	-4124.26	-1252.90	0.00	78.54	15.42	228.04
159	833.33	4	SLE Q	-155964.00	-4124.26	-1252.90	0.00	78.54	14.91	220.40
160	892.86	4	SLE Q	-157254.00	-2704.91	-821.72	0.00	78.54	14.24	211.56
161	892.86	4	SLE Q	-151181.00	-2704.91	-821.72	0.00	78.54	13.75	204.16
162	952.38	4	SLE Q	-152297.00	-1544.26	-469.13	0.00	78.54	13.21	197.01
163	952.38	4	SLE Q	-146418.00	-1544.26	-469.13	0.00	78.54	12.74	189.84
164	1011.90	4	SLE Q	-147360.00	-619.17	-188.10	0.00	78.54	12.31	184.21
165	1011.90	4	SLE Q	-141673.00	-619.17	-188.10	0.00	78.54	11.85	177.27
166	1071.43	4	SLE Q	-142442.00	96.16	29.21	0.00	78.54	11.63	174.38
167	1071.43	4	SLE Q	-136946.00	96.16	29.21	0.00	78.54	11.18	167.68
168	1130.95	4	SLE Q	-137541.00	628.57	190.95	0.00	78.54	11.52	172.32
169	1130.95	4	SLE Q	-132237.00	628.57	190.95	0.00	78.54	11.09	165.85
170	1190.48	4	SLE Q	-132658.00	1004.77	305.24	0.00	78.54	11.33	169.13
171	1190.48	4	SLE Q	-127544.00	1004.77	305.24	0.00	78.54	10.91	162.89
172	1250.00	4	SLE Q	-127792.00	1250.35	379.84	0.00	78.54	11.06	165.00
173	1250.00	4	SLE Q	-122867.00	1250.35	379.84	0.00	78.54	10.66	159.00
174	1309.52	4	SLE Q	-122942.00	1389.19	422.02	0.00	78.54	10.74	160.11
175	1309.52	4	SLE Q	-118206.00	1389.19	422.02	0.00	78.54	10.36	154.33
176	1369.05	4	SLE Q	-118108.00	1443.03	438.38	0.00	78.54	10.38	154.61
177	1369.05	4	SLE Q	-113560.00	1443.03	438.38	0.00	78.54	10.01	149.06
178	1428.57	4	SLE Q	-113288.00	1431.20	434.78	0.00	78.54	9.98	148.65
179	1428.57	4	SLE Q	-108929.00	1431.20	434.78	0.00	78.54	9.63	143.33
180	1488.10	4	SLE Q	-108483.00	1370.56	416.36	0.00	78.54	9.56	142.34
181	1488.10	4	SLE Q	-104311.00	1370.56	416.36	0.00	78.54	9.22	137.25
182	1547.62	4	SLE Q	-103692.00	1275.51	387.49	0.00	78.54	9.12	135.80
183	1547.62	4	SLE Q	-99706.90	1275.51	387.49	0.00	78.54	8.79	130.94
184	1607.14	4	SLE Q	-98914.00	1158.09	351.81	0.00	78.54	8.67	129.11
185	1607.14	4	SLE Q	-95115.10	1158.09	351.81	0.00	78.54	8.36	124.48
186	1666.67	4	SLE Q	-94148.50	1028.14	312.34	0.00	78.54	8.21	122.35
187	1666.67	4	SLE Q	-90535.40	1028.14	312.34	0.00	78.54	7.92	117.94
188	1726.19	4	SLE Q	-89395.00	893.52	271.44	0.00	78.54	7.75	115.56

189	1726.19	4	SLE Q	-85967.20	893.52	271.44	0.00	78.54	7.47	111.38
190	1785.71	4	SLE Q	-84652.80	760.32	230.98	0.00	78.54	7.29	108.80
191	1785.71	4	SLE Q	-81409.90	760.32	230.98	0.00	78.54	7.03	104.85
192	1845.24	4	SLE Q	-79921.40	633.08	192.32	0.00	78.54	6.84	102.10
193	1845.24	4	SLE Q	-76862.90	633.08	192.32	0.00	78.54	6.59	98.37
194	1904.76	4	SLE Q	-75200.10	515.05	156.47	0.00	78.54	6.39	95.47
195	1904.76	4	SLE Q	-72325.70	515.05	156.47	0.00	78.54	6.16	91.97
196	1964.29	4	SLE Q	-70488.40	408.37	124.06	0.00	78.54	5.95	88.94
197	1964.29	4	SLE Q	-67797.70	408.37	124.06	0.00	78.54	5.73	85.66
198	2023.81	4	SLE Q	-65785.60	314.32	95.49	0.00	78.54	5.52	82.52
199	2023.81	4	SLE Q	-63278.30	314.32	95.49	0.00	78.54	5.31	79.46
200	2083.33	4	SLE Q	-61091.20	233.44	70.92	0.00	78.54	5.09	76.20
201	2083.33	4	SLE Q	-58766.90	233.44	70.92	0.00	78.54	4.90	73.37
202	2142.86	4	SLE Q	-56404.50	165.77	50.36	0.00	78.54	4.67	69.99
203	2142.86	4	SLE Q	-54263.00	165.77	50.36	0.00	78.54	4.50	67.38
204	2202.38	4	SLE Q	-51725.00	110.91	33.69	0.00	78.54	4.26	63.88
205	2202.38	4	SLE Q	-49766.00	110.91	33.69	0.00	78.54	4.11	61.49
206	2261.90	4	SLE Q	-47052.00	68.19	20.72	0.00	78.54	3.86	57.87
207	2261.90	4	SLE Q	-45275.30	68.19	20.72	0.00	78.54	3.72	55.70
208	2321.43	4	SLE Q	-42385.00	36.76	11.17	0.00	78.54	3.47	51.95
209	2321.43	4	SLE Q	-40790.30	36.76	11.17	0.00	78.54	3.34	50.00
210	2380.95	4	SLE Q	-37723.50	15.62	4.74	0.00	78.54	3.07	46.11
211	2380.95	4	SLE Q	-36310.50	15.62	4.74	0.00	78.54	2.96	44.39
212	2440.48	4	SLE Q	-33066.70	3.72	1.13	0.00	78.54	2.69	40.34
213	2440.48	4	SLE Q	-31835.40	3.72	1.13	0.00	78.54	2.59	38.84
214	2500.00	4	SLE Q	-28414.10	0.00	0.00	0.00	78.54	2.31	34.64
215	2500.00	4	SLE Q	-27364.20	0.00	0.00	0.00	78.54	2.22	33.36

Verifiche principali

Caso	Tipo
3	SLU N cost - min. sic.
8	SLU Taglio - min. sic. c.a.,SLU Taglio - min. sic. acciaio
46	C.Rare - Sc min (max compr.),C.Rare - Sf min (max compr.)
49	C.Rare - Sf max (max traz.)
53	C.Rare - Sc max (min. compr.)
132	C.Q.Per. - Sc min (max compr.),C.Q.Per. - Sf min (max compr.)
135	C.Q.Per. - Sf max (max traz.)
139	C.Q.Per. - Sc max (min. compr.)

Palo n. 27

Caratteristiche del palo e dei materiali utilizzati

R <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
60.00	6.00	C30/37	307.10	20.59	174.02	13.73	B450C	4300.00	3913.04

Le sollecitazioni nei pali vengono calcolate oltre che per l'effetto delle reazioni vincolari anche considerando i seguenti effetti

Azioni ed effetti comuni

Az	N <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
PP	0.00	0.00	0.00	
SVR	0.00			

Azioni ed effetti - Plinto/Palo n. 27 (-155)

Caso	CC	TCC	Az	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	RVN	265730.00	6087.60	1087.14	5436.90	49948.90
	1	SLU	TAG				0.00	0.00
	1	SLU	ECC				0.00	0.00
	1	SLU	TOT	265730.00	6087.60	1087.14	5436.90	49948.90
2	2	SLE R	RVN	196837.00	4509.33	805.29	4027.34	36999.20
	2	SLE R	TAG				0.00	0.00
	2	SLE R	ECC				0.00	0.00
	2	SLE R	TOT	196837.00	4509.33	805.29	4027.34	36999.20
3	3	SLE F	RVN	196837.00	4509.33	805.29	4027.34	36999.20
	3	SLE F	TAG				0.00	0.00
	3	SLE F	ECC				0.00	0.00
	3	SLE F	TOT	196837.00	4509.33	805.29	4027.34	36999.20
4	4	SLE Q	RVN	196837.00	4509.33	805.29	4027.34	36999.20
	4	SLE Q	TAG				0.00	0.00
	4	SLE Q	ECC				0.00	0.00
	4	SLE Q	TOT	196837.00	4509.33	805.29	4027.34	36999.20

Sollecitazioni nei pali

Caso	CC	TCC	Palo	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	1	-265730.00	-6087.60	-1087.14	-5436.90	-49948.90
2	2	SLE R	1	-196837.00	-4509.33	-805.29	-4027.34	-36999.20
3	3	SLE F	1	-196837.00	-4509.33	-805.29	-4027.34	-36999.20
4	4	SLE Q	1	-196837.00	-4509.33	-805.29	-4027.34	-36999.20

Da 0 a -25

Stato limite ultimo - Verifiche a flessione/pressoflessione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	Rott.	α <grad>	Sic.
1	0.00	1	SLU	-265730.00	5380.91	-49434.50	-265730.00	26666.90	-243797.00	2-3	263.75	4.932
2	0.00	1	SLU	-265730.00	5380.91	-49434.50	-265730.00	26666.90	-243797.00	2-3	263.75	4.932
3	59.52	1	SLU	-265405.00	5623.36	-51661.90	-265405.00	26655.20	-243697.00	2-3	263.75	4.717
4	59.52	1	SLU	-263857.00	5623.36	-51661.90	-263857.00	26599.10	-243215.00	2-3	263.75	4.708
5	119.05	1	SLU	-262602.00	5603.28	-51477.40	-262602.00	26553.40	-242823.00	2-3	263.75	4.717
6	119.05	1	SLU	-258428.00	5603.28	-51477.40	-258428.00	26401.20	-241518.00	2-3	263.75	4.692
7	178.57	1	SLU	-259329.00	5387.16	-49492.00	-259329.00	26434.10	-241800.00	2-3	263.75	4.886
8	178.57	1	SLU	-252999.00	5387.16	-49492.00	-252999.00	26202.80	-239817.00	2-3	263.75	4.846
9	238.09	1	SLU	-255584.00	5031.89	-46228.10	-255584.00	26297.60	-240628.00	2-3	263.75	5.205
10	238.09	1	SLU	-247571.00	5031.89	-46228.10	-247571.00	26002.60	-238104.00	2-3	263.75	5.151
11	297.62	1	SLU	-251369.00	4585.08	-42123.20	-251369.00	26142.70	-239303.00	2-3	263.75	5.681
12	297.62	1	SLU	-242142.00	4585.08	-42123.20	-242142.00	25801.50	-236386.00	2-3	263.75	5.612
13	357.14	1	SLU	-246683.00	4085.68	-37535.30	-246683.00	25969.80	-237824.00	2-3	263.75	6.336
14	357.14	1	SLU	-236714.00	4085.68	-37535.30	-236714.00	25598.70	-234659.00	2-3	263.75	6.252
15	416.67	1	SLU	-241527.00	3564.81	-32750.00	-241527.00	25778.50	-236190.00	2-3	263.75	7.212
16	416.67	1	SLU	-231286.00	3564.81	-32750.00	-231286.00	25394.60	-232924.00	2-3	263.75	7.112
17	476.19	1	SLU	-235900.00	3046.53	-27988.60	-235900.00	25568.30	-234399.00	2-3	263.75	8.375
18	476.19	1	SLU	-225858.00	3046.53	-27988.60	-225858.00	25189.00	-231182.00	2-3	263.75	8.260
19	535.71	1	SLU	-229802.00	2548.80	-23415.80	-229802.00	25338.40	-232449.00	2-3	263.75	9.927
20	535.71	1	SLU	-220430.00	2548.80	-23415.80	-220430.00	24981.70	-229433.00	2-3	263.75	9.798
21	595.24	1	SLU	-223522.00	2084.31	-19148.60	-2571250.00	25100.50	-230432.00	2-3	263.75	11.503
22	595.24	1	SLU	-215003.00	2084.31	-19148.60	-215003.00	24773.10	-227676.00	2-3	263.75	11.890
23	654.76	1	SLU	-217269.00	1661.43	-15263.60	-2571250.00	24860.20	-228410.00	2-3	263.75	11.834
24	654.76	1	SLU	-209576.00	1661.43	-15263.60	-2571250.00	24562.50	-225912.00	2-3	263.75	12.269
25	714.29	1	SLU	-211044.00	1284.89	-11804.30	-2571250.00	24619.70	-226390.00	2-3	263.75	12.184
26	714.29	1	SLU	-204149.00	1284.89	-11804.30	-2571250.00	24350.70	-224142.00	2-3	263.75	12.595
27	773.81	1	SLU	-204846.00	956.60	-8788.28	-2571250.00	24377.90	-224369.00	2-3	263.75	12.552
28	773.81	1	SLU	-198722.00	956.60	-8788.28	-2571250.00	24136.80	-222364.00	2-3	263.75	12.939
29	833.33	1	SLU	-198674.00	676.25	-6212.74	-2571250.00	24134.90	-222348.00	2-3	263.75	12.942
30	833.33	1	SLU	-193296.00	676.25	-6212.74	-2571250.00	24041.00	-220526.00	2-3	263.75	13.302
31	892.86	1	SLU	-192527.00	441.90	-4059.75	-2571250.00	24033.50	-220262.00	2-3	263.75	13.355
32	892.86	1	SLU	-187870.00	441.90	-4059.75	-2571250.00	23993.00	-218655.00	2-3	263.75	13.686
33	952.38	1	SLU	-186404.00	250.43	-2300.74	-2571250.00	23979.80	-218149.00	2-3	263.75	13.794
34	952.38	1	SLU	-182445.00	250.43	-2300.74	-2571250.00	23943.60	-216781.00	2-3	263.75	14.093
35	1011.90	1	SLU	-180306.00	97.98	-900.16	-2571250.00	23926.30	-216037.00	2-3	263.75	14.261
36	1011.90	1	SLU	-177020.00	97.98	-900.16	-2571250.00	23898.90	-214893.00	2-3	263.75	14.525
37	1071.43	1	SLU	-174230.00	-19.76	181.51	-2571250.00	-23335.50	213545.00	2-3	83.75	14.758
38	1071.43	1	SLU	-171595.00	-19.76	181.51	-2571250.00	-23223.10	212619.00	2-3	83.75	14.984
39	1130.95	1	SLU	-168176.00	-107.25	985.29	-2571250.00	-23077.20	211417.00	2-3	83.75	15.289
40	1130.95	1	SLU	-166171.00	-107.25	985.29	-2571250.00	-22991.70	210711.00	2-3	83.75	15.473
41	1190.48	1	SLU	-162144.00	-168.93	1551.93	-2571250.00	-22818.50	209289.00	2-3	83.75	15.858
42	1190.48	1	SLU	-160747.00	-168.93	1551.93	-2571250.00	-22758.10	208794.00	2-3	83.75	15.996
43	1250.00	1	SLU	-156132.00	-209.04	1920.45	-2571250.00	-22558.70	207159.00	2-3	83.75	16.468
44	1250.00	1	SLU	-155324.00	-209.04	1920.45	-2571250.00	-22523.80	206872.00	2-3	83.75	16.554
45	1309.52	1	SLU	-150140.00	-231.55	2127.22	-2571250.00	-22297.30	205025.00	2-3	83.75	17.126
46	1309.52	1	SLU	-149901.00	-231.55	2127.22	-2571250.00	-22286.90	204939.00	2-3	83.75	17.153
47	1369.05	1	SLU	-144167.00	-240.04	2205.29	-2571250.00	-22035.90	202891.00	2-3	83.75	17.835
48	1369.05	1	SLU	-144478.00	-240.04	2205.29	-2571250.00	-22049.60	203003.00	2-3	83.75	17.797
49	1428.57	1	SLU	-138212.00	-237.74	2184.09	-2571250.00	-21772.20	200752.00	2-3	83.75	18.604
50	1428.57	1	SLU	-139056.00	-237.74	2184.09	-2571250.00	-21809.60	201055.00	2-3	83.75	18.491
51	1488.10	1	SLU	-132275.00	-227.41	2089.20	-2571250.00	-21508.30	198613.00	2-3	83.75	19.439
52	1488.10	1	SLU	-133635.00	-227.41	2089.20	-2571250.00	-21569.20	199104.00	2-3	83.75	19.241
53	1547.62	1	SLU	-126355.00	-211.44	1942.50	-2571250.00	-21243.30	196471.00	2-3	83.75	20.349
54	1547.62	1	SLU	-128214.00	-211.44	1942.50	-2571250.00	-21326.50	197144.00	2-3	83.75	20.054
55	1607.14	1	SLU	-120450.00	-191.82	1762.24	-2571250.00	-20977.20	194326.00	2-3	83.75	21.347
56	1607.14	1	SLU	-122794.00	-191.82	1762.24	-2571250.00	-21083.30	195179.00	2-3	83.75	20.940
57	1666.67	1	SLU	-114561.00	-170.17	1563.35	-2571250.00	-20710.90	192181.00	2-3	83.75	22.444
58	1666.67	1	SLU	-117374.00	-170.17	1563.35	-2571250.00	-20838.10	193206.00	2-3	83.75	21.907
59	1726.19	1	SLU	-108687.00	-147.79	1357.72	-2571250.00	-20643.60	189948.00	2-3	83.75	23.657
60	1726.19	1	SLU	-111955.00	-147.79	1357.72	-2571250.00	-20677.30	191193.00	2-3	83.75	22.967
61	1785.71	1	SLU	-102826.00	-125.67	1154.56	-2571250.00	-20582.90	187710.00	2-3	83.75	25.006
62	1785.71	1	SLU	-106536.00	-125.67	1154.56	-2571250.00	-20620.70	189128.00	2-3	83.75	24.135
63	1845.24	1	SLU	-96978.60	-104.57	960.72	-2571250.00	-20527.40	185466.00	2-3	83.75	26.514
64	1845.24	1	SLU	-101118.00	-104.57	960.72	-2571250.00	-20567.20	187054.00	2-3	83.75	25.428

65	1904.76	1	SLU	-91143.30	-85.02	781.09	-2571250.00	-20373.80	183195.00	2-3	83.75	28.211
66	1904.76	1	SLU	-95700.90	-85.02	781.09	-2571250.00	-20514.70	184976.00	2-3	83.75	26.867
67	1964.29	1	SLU	-85319.60	-67.37	618.90	-2571250.00	-20096.50	180896.00	2-3	83.75	30.137
68	1964.29	1	SLU	-90284.30	-67.37	618.90	-2571250.00	-20332.90	182856.00	2-3	83.75	28.480
69	2023.81	1	SLU	-79506.70	-51.82	476.03	-2571250.00	-19817.10	178585.00	2-3	83.75	32.340
70	2023.81	1	SLU	-84868.40	-51.82	476.03	-2571250.00	-20074.80	180717.00	2-3	83.75	30.297
71	2083.33	1	SLU	-73704.00	-38.46	353.29	-2571250.00	-19536.90	176268.00	2-3	83.75	34.886
72	2083.33	1	SLU	-79453.20	-38.46	353.29	-2571250.00	-19814.50	178563.00	2-3	83.75	32.362
73	2142.86	1	SLU	-67910.50	-27.29	250.68	-2571250.00	-19256.10	173945.00	2-3	83.75	37.862
74	2142.86	1	SLU	-74038.70	-27.29	250.68	-2571250.00	-19553.20	176402.00	2-3	83.75	34.728
75	2202.38	1	SLU	-62125.70	-18.24	167.58	-2571250.00	-18973.40	171610.00	2-3	83.75	41.388
76	2202.38	1	SLU	-68624.90	-18.24	167.58	-2571250.00	-19290.70	174232.00	2-3	83.75	37.468
77	2261.90	1	SLU	-56348.80	-11.21	102.95	-2571250.00	-18690.20	169271.00	2-3	83.75	45.631
78	2261.90	1	SLU	-63212.00	-11.21	102.95	-2571250.00	-19026.50	172049.00	2-3	83.75	40.677
79	2321.43	1	SLU	-50579.10	-6.03	55.44	-2571250.00	-18406.30	166924.00	2-3	83.75	50.836
80	2321.43	1	SLU	-57799.80	-6.03	55.44	-2571250.00	-18761.70	169860.00	2-3	83.75	44.485
81	2380.95	1	SLU	-44815.70	-2.56	23.53	-2571250.00	-18121.20	164566.00	2-3	83.75	57.374
82	2380.95	1	SLU	-52388.40	-2.56	23.53	-2571250.00	-18495.30	167660.00	2-3	83.75	49.081
83	2440.48	1	SLU	-39058.10	-0.61	5.60	-2571250.00	-17835.70	162204.00	2-3	83.75	65.831
84	2440.48	1	SLU	-46977.80	-0.61	5.60	-2571250.00	-18228.20	165452.00	2-3	83.75	54.733
85	2500.00	1	SLU	-33305.40	0.00	0.00	-2571250.00					77.202
86	2500.00	1	SLU	-41568.10	0.00	0.00	-2571250.00					61.856

Stato limite ultimo - Verifiche a taglio

Caso	X <cm>	CC	TCC	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1	0.00	1	SLU	6087.60	1087.14	0.85	11.31	6183.91	1.00	32294.70	369731.00	32294.70	5.222
2	0.00	1	SLU	6087.60	1087.14	0.85	11.31	6183.91	1.00	32294.70	369731.00	32294.70	5.222
3	59.52	1	SLU	1517.52	271.00	0.85	11.31	1541.53	1.00	32294.70	369685.00	32294.70	20.950
4	59.52	1	SLU	1517.52	271.00	0.85	11.31	1541.53	1.00	32294.70	369463.00	32294.70	20.950
5	119.05	1	SLU	-1961.97	-350.37	0.85	11.31	1993.00	1.00	32294.70	369283.00	32294.70	16.204
6	119.05	1	SLU	-1961.97	-350.37	0.85	11.31	1993.00	1.00	32294.70	368685.00	32294.70	16.204
7	178.57	1	SLU	-4499.25	-803.49	0.85	11.31	4570.44	1.00	32294.70	368814.00	32294.70	7.066
8	178.57	1	SLU	-4499.25	-803.49	0.85	11.31	4570.44	1.00	32294.70	367908.00	32294.70	7.066
9	238.09	1	SLU	-6239.37	-1114.24	0.85	11.31	6338.08	1.00	32294.70	368278.00	32294.70	5.095
10	238.09	1	SLU	-6239.37	-1114.24	0.85	11.31	6338.08	1.00	32294.70	367130.00	32294.70	5.095
11	297.62	1	SLU	-7319.60	-1307.15	0.85	11.31	7435.40	1.00	32294.70	367674.00	32294.70	4.343
12	297.62	1	SLU	-7319.60	-1307.15	0.85	11.31	7435.40	1.00	32294.70	366352.00	32294.70	4.343
13	357.14	1	SLU	-7866.51	-1404.82	0.85	11.31	7990.96	1.00	32294.70	367003.00	32294.70	4.041
14	357.14	1	SLU	-7866.51	-1404.82	0.85	11.31	7990.96	1.00	32294.70	365575.00	32294.70	4.041
15	416.67	1	SLU	-7994.11	-1427.61	0.85	11.31	8120.58	1.00	32294.70	366264.00	32294.70	3.977
16	416.67	1	SLU	-7994.11	-1427.61	0.85	11.31	8120.58	1.00	32294.70	364797.00	32294.70	3.977
17	476.19	1	SLU	-7802.86	-1393.45	0.85	11.31	7926.31	1.00	32294.70	365458.00	32294.70	4.074
18	476.19	1	SLU	-7802.86	-1393.45	0.85	11.31	7926.31	1.00	32294.70	364020.00	32294.70	4.074
19	535.71	1	SLU	-7379.52	-1317.85	0.85	11.31	7496.27	1.00	32294.70	364585.00	32294.70	4.308
20	535.71	1	SLU	-7379.52	-1317.85	0.85	11.31	7496.27	1.00	32294.70	363242.00	32294.70	4.308
21	595.24	1	SLU	-6797.43	-1213.90	0.85	11.31	6904.97	1.00	32294.70	363685.00	32294.70	4.677
22	595.24	1	SLU	-6797.43	-1213.90	0.85	11.31	6904.97	1.00	32294.70	362465.00	32294.70	4.677
23	654.76	1	SLU	-6117.23	-1092.43	0.85	11.31	6214.01	1.00	32294.70	362790.00	32294.70	5.197
24	654.76	1	SLU	-6117.23	-1092.43	0.85	11.31	6214.01	1.00	32294.70	361688.00	32294.70	5.197
25	714.29	1	SLU	-5387.92	-962.19	0.85	11.31	5473.16	1.00	32294.70	361898.00	32294.70	5.901
26	714.29	1	SLU	-5387.92	-962.19	0.85	11.31	5473.16	1.00	32294.70	360910.00	32294.70	5.901
27	773.81	1	SLU	-4647.96	-830.04	0.85	11.31	4721.49	1.00	32294.70	361010.00	32294.70	6.840
28	773.81	1	SLU	-4647.96	-830.04	0.85	11.31	4721.49	1.00	32294.70	360133.00	32294.70	6.840
29	833.33	1	SLU	-3926.56	-701.22	0.85	11.31	3988.69	1.00	32294.70	360126.00	32294.70	8.097
30	833.33	1	SLU	-3926.56	-701.22	0.85	11.31	3988.69	1.00	32294.70	359356.00	32294.70	8.097
31	892.86	1	SLU	-3244.96	-579.49	0.85	11.31	3296.30	1.00	32294.70	359246.00	32294.70	9.797
32	892.86	1	SLU	-3244.96	-579.49	0.85	11.31	3296.30	1.00	32294.70	358579.00	32294.70	9.797
33	952.38	1	SLU	-2617.63	-467.46	0.85	11.31	2659.04	1.00	32294.70	358369.00	32294.70	12.145
34	952.38	1	SLU	-2617.63	-467.46	0.85	11.31	2659.04	1.00	32294.70	357801.00	32294.70	12.145
35	1011.90	1	SLU	-2053.48	-366.71	0.85	11.31	2085.96	1.00	32294.70	357495.00	32294.70	15.482
36	1011.90	1	SLU	-2053.48	-366.71	0.85	11.31	2085.96	1.00	32294.70	357024.00	32294.70	15.482
37	1071.43	1	SLU	-1556.91	-278.04	0.85	11.31	1581.54	1.00	32294.70	356625.00	32294.70	20.420
38	1071.43	1	SLU	-1556.91	-278.04	0.85	11.31	1581.54	1.00	32294.70	356247.00	32294.70	20.420
39	1130.95	1	SLU	-1128.81	-201.59	0.85	11.31	1146.66	1.00	32294.70	355758.00	32294.70	28.164
40	1130.95	1	SLU	-1128.81	-201.59	0.85	11.31	1146.66	1.00	32294.70	355470.00	32294.70	28.164
41	1190.48	1	SLU	-767.38	-137.04	0.85	11.31	779.51	1.00	32294.70	354893.00	32294.70	41.429
42	1190.48	1	SLU	-767.38	-137.04	0.85	11.31	779.51	1.00	32294.70	354693.00	32294.70	41.429
43	1250.00	1	SLU	-468.88	-83.73	0.85	11.31	476.30	1.00	32294.70	354032.00	32294.70	67.804
44	1250.00	1	SLU	-468.88	-83.73	0.85	11.31	476.30	1.00	32294.70	353917.00	32294.70	67.804
45	1309.52	1	SLU	-228.26	-40.76	0.85	11.31	231.88	1.00	32294.70	353174.00	32294.70	>100
46	1309.52	1	SLU	-228.26	-40.76	0.85	11.31	231.88	1.00	32294.70	353140.00	32294.70	>100
47	1369.05	1	SLU	-39.68	-7.09	0.85	11.31	40.30	1.00	32294.70	352318.00	32294.70	>100
48	1369.05	1	SLU	-39.68	-7.09	0.85	11.31	40.30	1.00	32294.70	352363.00	32294.70	>100
49	1428.57	1	SLU	103.14	18.42	0.85	11.31	104.77	1.00	32294.70	351466.00	32294.70	>100
50	1428.57	1	SLU	103.14	18.42	0.85	11.31	104.77	1.00	32294.70	351586.00	32294.70	>100
51	1488.10	1	SLU	206.50	36.88	0.85	11.31	209.77	1.00	32294.70	350615.00	32294.70	>100

52	1488.10	1	SLU	206.50	36.88	0.85	11.31	209.77	1.00	32294.70	350810.00	32294.70	>100
53	1547.62	1	SLU	276.55	49.39	0.85	11.31	280.93	1.00	32294.70	349767.00	32294.70	>100
54	1547.62	1	SLU	276.55	49.39	0.85	11.31	280.93	1.00	32294.70	350033.00	32294.70	>100
55	1607.14	1	SLU	319.08	56.98	0.85	11.31	324.13	1.00	32294.70	348921.00	32294.70	99.636
56	1607.14	1	SLU	319.08	56.98	0.85	11.31	324.13	1.00	32294.70	349257.00	32294.70	99.636
57	1666.67	1	SLU	339.39	60.61	0.85	11.31	344.76	1.00	32294.70	348078.00	32294.70	93.674
58	1666.67	1	SLU	339.39	60.61	0.85	11.31	344.76	1.00	32294.70	348481.00	32294.70	93.674
59	1726.19	1	SLU	342.25	61.12	0.85	11.31	347.67	1.00	32294.70	347236.00	32294.70	92.890
60	1726.19	1	SLU	342.25	61.12	0.85	11.31	347.67	1.00	32294.70	347704.00	32294.70	92.890
61	1785.71	1	SLU	331.84	59.26	0.85	11.31	337.09	1.00	32294.70	346397.00	32294.70	95.804
62	1785.71	1	SLU	331.84	59.26	0.85	11.31	337.09	1.00	32294.70	346928.00	32294.70	95.804
63	1845.24	1	SLU	311.76	55.67	0.85	11.31	316.69	1.00	32294.70	345559.00	32294.70	>100
64	1845.24	1	SLU	311.76	55.67	0.85	11.31	316.69	1.00	32294.70	346152.00	32294.70	>100
65	1904.76	1	SLU	285.02	50.90	0.85	11.31	289.53	1.00	32294.70	344723.00	32294.70	>100
66	1904.76	1	SLU	285.02	50.90	0.85	11.31	289.53	1.00	32294.70	345376.00	32294.70	>100
67	1964.29	1	SLU	254.11	45.38	0.85	11.31	258.13	1.00	32294.70	343889.00	32294.70	>100
68	1964.29	1	SLU	254.11	45.38	0.85	11.31	258.13	1.00	32294.70	344600.00	32294.70	>100
69	2023.81	1	SLU	221.04	39.47	0.85	11.31	224.53	1.00	32294.70	343057.00	32294.70	>100
70	2023.81	1	SLU	221.04	39.47	0.85	11.31	224.53	1.00	32294.70	343825.00	32294.70	>100
71	2083.33	1	SLU	187.35	33.46	0.85	11.31	190.31	1.00	32294.70	342225.00	32294.70	>100
72	2083.33	1	SLU	187.35	33.46	0.85	11.31	190.31	1.00	32294.70	343049.00	32294.70	>100
73	2142.86	1	SLU	154.23	27.54	0.85	11.31	156.67	1.00	32294.70	341396.00	32294.70	>100
74	2142.86	1	SLU	154.23	27.54	0.85	11.31	156.67	1.00	32294.70	342273.00	32294.70	>100
75	2202.38	1	SLU	122.55	21.88	0.85	11.31	124.48	1.00	32294.70	340567.00	32294.70	>100
76	2202.38	1	SLU	122.55	21.88	0.85	11.31	124.48	1.00	32294.70	341498.00	32294.70	>100
77	2261.90	1	SLU	92.88	16.59	0.85	11.31	94.35	1.00	32294.70	339739.00	32294.70	>100
78	2261.90	1	SLU	92.88	16.59	0.85	11.31	94.35	1.00	32294.70	340723.00	32294.70	>100
79	2321.43	1	SLU	65.62	11.72	0.85	11.31	66.66	1.00	32294.70	338913.00	32294.70	>100
80	2321.43	1	SLU	65.62	11.72	0.85	11.31	66.66	1.00	32294.70	339947.00	32294.70	>100
81	2380.95	1	SLU	40.99	7.32	0.85	11.31	41.64	1.00	32294.70	338087.00	32294.70	>100
82	2380.95	1	SLU	40.99	7.32	0.85	11.31	41.64	1.00	32294.70	339172.00	32294.70	>100
83	2440.48	1	SLU	19.11	3.41	0.85	11.31	19.41	1.00	32294.70	337263.00	32294.70	>100
84	2440.48	1	SLU	19.11	3.41	0.85	11.31	19.41	1.00	32294.70	338397.00	32294.70	>100

Verifiche stato limite d'esercizio

Caso	X <cm>	CC	TCC	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ_c <daN/cmq>	σ_f <daN/cmq>
87	0.00	2	SLE R	-196837.00	-36618.10	3985.86	12.57	65.97	35.06	500.68
88	0.00	2	SLE R	-196837.00	-36618.10	3985.86	12.57	65.97	35.06	500.68
89	59.52	2	SLE R	-196512.00	-38268.10	4165.45	12.57	65.97	35.98	513.20
90	59.52	2	SLE R	-195417.00	-38268.10	4165.45	12.57	65.97	35.91	512.03
91	119.05	2	SLE R	-193709.00	-38131.40	4150.58	12.57	65.97	35.71	509.13
92	119.05	2	SLE R	-190918.00	-38131.40	4150.58	12.57	65.97	35.52	506.20
93	178.57	2	SLE R	-190436.00	-36660.70	3990.49	12.57	65.97	34.63	493.98
94	178.57	2	SLE R	-186444.00	-36660.70	3990.49	12.57	65.97	34.35	489.71
95	238.09	2	SLE R	-186691.00	-34243.00	3727.33	9.42	69.11	32.98	471.15
96	238.09	2	SLE R	-181993.00	-34243.00	3727.33	12.57	65.97	32.64	465.90
97	297.62	2	SLE R	-182476.00	-31202.30	3396.35	0.00	78.54	31.00	443.62
98	297.62	2	SLE R	-177565.00	-31202.30	3396.35	6.28	72.26	30.62	437.85
99	357.14	2	SLE R	-177950.00	-27803.90	3026.43	0.00	78.54	28.86	413.81
100	357.14	2	SLE R	-173160.00	-27803.90	3026.43	0.00	78.54	28.47	407.98
101	416.67	2	SLE R	-173447.00	-24259.30	2640.60	0.00	78.54	26.65	383.23
102	416.67	2	SLE R	-168777.00	-24259.30	2640.60	0.00	78.54	26.28	377.53
103	476.19	2	SLE R	-168965.00	-20732.30	2256.69	0.00	78.54	24.46	352.79
104	476.19	2	SLE R	-164415.00	-20732.30	2256.69	0.00	78.54	24.10	347.24
105	535.71	2	SLE R	-164505.00	-17345.10	1888.00	0.00	78.54	22.35	323.37
106	535.71	2	SLE R	-160074.00	-17345.10	1888.00	0.00	78.54	21.99	317.97
107	595.24	2	SLE R	-160066.00	-14184.20	1543.94	0.00	78.54	20.35	295.58
108	595.24	2	SLE R	-155754.00	-14184.20	1543.94	0.00	78.54	20.00	290.32
109	654.76	2	SLE R	-155647.00	-11306.30	1230.69	0.00	78.54	18.50	269.82
110	654.76	2	SLE R	-151453.00	-11306.30	1230.69	0.00	78.54	18.16	264.70
111	714.29	2	SLE R	-151248.00	-8743.91	951.77	0.00	78.54	16.82	246.31
112	714.29	2	SLE R	-147171.00	-8743.91	951.77	0.00	78.54	16.49	241.34
113	773.81	2	SLE R	-146868.00	-6509.84	708.59	0.00	78.54	15.31	225.16
114	773.81	2	SLE R	-142909.00	-6509.84	708.59	0.00	78.54	14.99	220.33
115	833.33	2	SLE R	-142507.00	-4602.03	500.93	0.00	78.54	13.97	206.33
116	833.33	2	SLE R	-138664.00	-4602.03	500.93	0.00	78.54	13.65	201.65
117	892.86	2	SLE R	-138163.00	-3007.22	327.33	0.00	78.54	12.79	189.75
118	892.86	2	SLE R	-134437.00	-3007.22	327.33	0.00	78.54	12.48	185.20
119	952.38	2	SLE R	-133838.00	-1704.25	185.51	0.00	78.54	11.76	175.25
120	952.38	2	SLE R	-130227.00	-1704.25	185.51	0.00	78.54	11.47	170.84
121	1011.90	2	SLE R	-129529.00	-666.78	72.58	0.00	78.54	10.87	162.65
122	1011.90	2	SLE R	-126033.00	-666.78	72.58	0.00	78.54	10.59	158.39
123	1071.43	2	SLE R	-125237.00	134.45	-14.63	0.00	78.54	10.25	153.64
124	1071.43	2	SLE R	-121856.00	134.45	-14.63	0.00	78.54	9.97	149.52
125	1130.95	2	SLE R	-120961.00	729.85	-79.44	0.00	78.54	10.21	152.62
126	1130.95	2	SLE R	-117694.00	729.85	-79.44	0.00	78.54	9.94	148.63

127	1190.48	2	SLE R	-116700.00	1149.58	-125.13	0.00	78.54	10.08	150.38
128	1190.48	2	SLE R	-113547.00	1149.58	-125.13	0.00	78.54	9.82	146.53
129	1250.00	2	SLE R	-112454.00	1422.55	-154.84	0.00	78.54	9.88	147.12
130	1250.00	2	SLE R	-109414.00	1422.55	-154.84	0.00	78.54	9.63	143.42
131	1309.52	2	SLE R	-108222.00	1575.72	-171.51	0.00	78.54	9.61	143.04
132	1309.52	2	SLE R	-105295.00	1575.72	-171.51	0.00	78.54	9.37	139.47
133	1369.05	2	SLE R	-104004.00	1633.55	-177.81	0.00	78.54	9.30	138.31
134	1369.05	2	SLE R	-101190.00	1633.55	-177.81	0.00	78.54	9.07	134.87
135	1428.57	2	SLE R	-99798.70	1617.84	-176.10	0.00	78.54	8.95	133.07
136	1428.57	2	SLE R	-97097.20	1617.84	-176.10	0.00	78.54	8.73	129.77
137	1488.10	2	SLE R	-95606.50	1547.56	-168.45	0.00	78.54	8.57	127.46
138	1488.10	2	SLE R	-93016.90	1547.56	-168.45	0.00	78.54	8.36	124.30
139	1547.62	2	SLE R	-91426.40	1438.89	-156.62	0.00	78.54	8.18	121.60
140	1547.62	2	SLE R	-88948.50	1438.89	-156.62	0.00	78.54	7.97	118.58
141	1607.14	2	SLE R	-87257.90	1305.37	-142.09	0.00	78.54	7.77	115.58
142	1607.14	2	SLE R	-84891.40	1305.37	-142.09	0.00	78.54	7.58	112.69
143	1666.67	2	SLE R	-83100.50	1158.04	-126.05	0.00	78.54	7.35	109.47
144	1666.67	2	SLE R	-80845.00	1158.04	-126.05	0.00	78.54	7.17	106.72
145	1726.19	2	SLE R	-78953.70	1005.72	-109.47	0.00	78.54	6.94	103.34
146	1726.19	2	SLE R	-76808.90	1005.72	-109.47	0.00	78.54	6.76	100.73
147	1785.71	2	SLE R	-74816.90	855.23	-93.09	0.00	78.54	6.52	97.24
148	1785.71	2	SLE R	-72782.60	855.23	-93.09	0.00	78.54	6.36	94.76
149	1845.24	2	SLE R	-70689.50	711.64	-77.46	0.00	78.54	6.11	91.20
150	1845.24	2	SLE R	-68765.50	711.64	-77.46	0.00	78.54	5.96	88.85
151	1904.76	2	SLE R	-66571.20	578.59	-62.98	0.00	78.54	5.71	85.24
152	1904.76	2	SLE R	-64757.10	578.59	-62.98	0.00	78.54	5.56	83.03
153	1964.29	2	SLE R	-62461.30	458.44	-49.90	0.00	78.54	5.31	79.38
154	1964.29	2	SLE R	-60757.00	458.44	-49.90	0.00	78.54	5.18	77.30
155	2023.81	2	SLE R	-58359.30	352.61	-38.38	0.00	78.54	4.93	73.64
156	2023.81	2	SLE R	-56764.60	352.61	-38.38	0.00	78.54	4.80	71.69
157	2083.33	2	SLE R	-54264.80	261.69	-28.49	0.00	78.54	4.55	68.00
158	2083.33	2	SLE R	-52779.30	261.69	-28.49	0.00	78.54	4.43	66.19
159	2142.86	2	SLE R	-50177.10	185.69	-20.21	0.00	78.54	4.17	62.49
160	2142.86	2	SLE R	-48800.80	185.69	-20.21	0.00	78.54	4.06	60.81
161	2202.38	2	SLE R	-46095.80	124.13	-13.51	0.00	78.54	3.81	57.08
162	2202.38	2	SLE R	-44828.50	124.13	-13.51	0.00	78.54	3.71	55.53
163	2261.90	2	SLE R	-42020.30	76.26	-8.30	0.00	78.54	3.46	51.77
164	2261.90	2	SLE R	-40861.90	76.26	-8.30	0.00	78.54	3.36	50.36
165	2321.43	2	SLE R	-37950.20	41.06	-4.47	0.00	78.54	3.11	46.56
166	2321.43	2	SLE R	-36900.40	41.06	-4.47	0.00	78.54	3.02	45.28
167	2380.95	2	SLE R	-33884.90	17.43	-1.90	0.00	78.54	2.76	41.44
168	2380.95	2	SLE R	-32943.60	17.43	-1.90	0.00	78.54	2.69	40.29
169	2440.48	2	SLE R	-29823.90	4.15	-0.45	0.00	78.54	2.43	36.39
170	2440.48	2	SLE R	-28991.10	4.15	-0.45	0.00	78.54	2.36	35.38
171	2500.00	2	SLE R	-25766.70	0.00	0.00	0.00	78.54	2.09	31.42
172	2500.00	2	SLE R	-25042.20	0.00	0.00	0.00	78.54	2.04	30.53
173	0.00	4	SLE Q	-196837.00	-36618.10	3985.86	12.57	65.97	35.06	500.68
174	0.00	4	SLE Q	-196837.00	-36618.10	3985.86	12.57	65.97	35.06	500.68
175	59.52	4	SLE Q	-196512.00	-38268.10	4165.45	12.57	65.97	35.98	513.20
176	59.52	4	SLE Q	-195417.00	-38268.10	4165.45	12.57	65.97	35.91	512.03
177	119.05	4	SLE Q	-193709.00	-38131.40	4150.58	12.57	65.97	35.71	509.13
178	119.05	4	SLE Q	-190918.00	-38131.40	4150.58	12.57	65.97	35.52	506.20
179	178.57	4	SLE Q	-190436.00	-36660.70	3990.49	12.57	65.97	34.63	493.98
180	178.57	4	SLE Q	-186444.00	-36660.70	3990.49	12.57	65.97	34.35	489.71
181	238.09	4	SLE Q	-186691.00	-34243.00	3727.33	9.42	69.11	32.98	471.15
182	238.09	4	SLE Q	-181993.00	-34243.00	3727.33	12.57	65.97	32.64	465.90
183	297.62	4	SLE Q	-182476.00	-31202.30	3396.35	0.00	78.54	31.00	443.62
184	297.62	4	SLE Q	-177565.00	-31202.30	3396.35	6.28	72.26	30.62	437.85
185	357.14	4	SLE Q	-177950.00	-27803.90	3026.43	0.00	78.54	28.86	413.81
186	357.14	4	SLE Q	-173160.00	-27803.90	3026.43	0.00	78.54	28.47	407.98
187	416.67	4	SLE Q	-173447.00	-24259.30	2640.60	0.00	78.54	26.65	383.23
188	416.67	4	SLE Q	-168777.00	-24259.30	2640.60	0.00	78.54	26.28	377.53
189	476.19	4	SLE Q	-168965.00	-20732.30	2256.69	0.00	78.54	24.46	352.79
190	476.19	4	SLE Q	-164415.00	-20732.30	2256.69	0.00	78.54	24.10	347.24
191	535.71	4	SLE Q	-164505.00	-17345.10	1888.00	0.00	78.54	22.35	323.37
192	535.71	4	SLE Q	-160074.00	-17345.10	1888.00	0.00	78.54	21.99	317.97
193	595.24	4	SLE Q	-160066.00	-14184.20	1543.94	0.00	78.54	20.35	295.58
194	595.24	4	SLE Q	-155754.00	-14184.20	1543.94	0.00	78.54	20.00	290.32
195	654.76	4	SLE Q	-155647.00	-11306.30	1230.69	0.00	78.54	18.50	269.82
196	654.76	4	SLE Q	-151453.00	-11306.30	1230.69	0.00	78.54	18.16	264.70
197	714.29	4	SLE Q	-151248.00	-8743.91	951.77	0.00	78.54	16.82	246.31
198	714.29	4	SLE Q	-147171.00	-8743.91	951.77	0.00	78.54	16.49	241.34
199	773.81	4	SLE Q	-146868.00	-6509.84	708.59	0.00	78.54	15.31	225.16
200	773.81	4	SLE Q	-142909.00	-6509.84	708.59	0.00	78.54	14.99	220.33
201	833.33	4	SLE Q	-142507.00	-4602.03	500.93	0.00	78.54	13.97	206.33
202	833.33	4	SLE Q	-138664.00	-4602.03	500.93	0.00	78.54	13.65	201.65

203	892.86	4	SLE Q	-138163.00	-3007.22	327.33	0.00	78.54	12.79	189.75
204	892.86	4	SLE Q	-134437.00	-3007.22	327.33	0.00	78.54	12.48	185.20
205	952.38	4	SLE Q	-133838.00	-1704.25	185.51	0.00	78.54	11.76	175.25
206	952.38	4	SLE Q	-130227.00	-1704.25	185.51	0.00	78.54	11.47	170.84
207	1011.90	4	SLE Q	-129529.00	-666.78	72.58	0.00	78.54	10.87	162.65
208	1011.90	4	SLE Q	-126033.00	-666.78	72.58	0.00	78.54	10.59	158.39
209	1071.43	4	SLE Q	-125237.00	134.45	-14.63	0.00	78.54	10.25	153.64
210	1071.43	4	SLE Q	-121856.00	134.45	-14.63	0.00	78.54	9.97	149.52
211	1130.95	4	SLE Q	-120961.00	729.85	-79.44	0.00	78.54	10.21	152.62
212	1130.95	4	SLE Q	-117694.00	729.85	-79.44	0.00	78.54	9.94	148.63
213	1190.48	4	SLE Q	-116700.00	1149.58	-125.13	0.00	78.54	10.08	150.38
214	1190.48	4	SLE Q	-113547.00	1149.58	-125.13	0.00	78.54	9.82	146.53
215	1250.00	4	SLE Q	-112454.00	1422.55	-154.84	0.00	78.54	9.88	147.12
216	1250.00	4	SLE Q	-109414.00	1422.55	-154.84	0.00	78.54	9.63	143.42
217	1309.52	4	SLE Q	-108222.00	1575.72	-171.51	0.00	78.54	9.61	143.04
218	1309.52	4	SLE Q	-105295.00	1575.72	-171.51	0.00	78.54	9.37	139.47
219	1369.05	4	SLE Q	-104004.00	1633.55	-177.81	0.00	78.54	9.30	138.31
220	1369.05	4	SLE Q	-101190.00	1633.55	-177.81	0.00	78.54	9.07	134.87
221	1428.57	4	SLE Q	-99798.70	1617.84	-176.10	0.00	78.54	8.95	133.07
222	1428.57	4	SLE Q	-97097.20	1617.84	-176.10	0.00	78.54	8.73	129.77
223	1488.10	4	SLE Q	-95606.50	1547.56	-168.45	0.00	78.54	8.57	127.46
224	1488.10	4	SLE Q	-93016.90	1547.56	-168.45	0.00	78.54	8.36	124.30
225	1547.62	4	SLE Q	-91426.40	1438.89	-156.62	0.00	78.54	8.18	121.60
226	1547.62	4	SLE Q	-88948.50	1438.89	-156.62	0.00	78.54	7.97	118.58
227	1607.14	4	SLE Q	-87257.90	1305.37	-142.09	0.00	78.54	7.77	115.58
228	1607.14	4	SLE Q	-84891.40	1305.37	-142.09	0.00	78.54	7.58	112.69
229	1666.67	4	SLE Q	-83100.50	1158.04	-126.05	0.00	78.54	7.35	109.47
230	1666.67	4	SLE Q	-80845.00	1158.04	-126.05	0.00	78.54	7.17	106.72
231	1726.19	4	SLE Q	-78953.70	1005.72	-109.47	0.00	78.54	6.94	103.34
232	1726.19	4	SLE Q	-76808.90	1005.72	-109.47	0.00	78.54	6.76	100.73
233	1785.71	4	SLE Q	-74816.90	855.23	-93.09	0.00	78.54	6.52	97.24
234	1785.71	4	SLE Q	-72782.60	855.23	-93.09	0.00	78.54	6.36	94.76
235	1845.24	4	SLE Q	-70689.50	711.64	-77.46	0.00	78.54	6.11	91.20
236	1845.24	4	SLE Q	-68765.50	711.64	-77.46	0.00	78.54	5.96	88.85
237	1904.76	4	SLE Q	-66571.20	578.59	-62.98	0.00	78.54	5.71	85.24
238	1904.76	4	SLE Q	-64757.10	578.59	-62.98	0.00	78.54	5.56	83.03
239	1964.29	4	SLE Q	-62461.30	458.44	-49.90	0.00	78.54	5.31	79.38
240	1964.29	4	SLE Q	-60757.00	458.44	-49.90	0.00	78.54	5.18	77.30
241	2023.81	4	SLE Q	-58359.30	352.61	-38.38	0.00	78.54	4.93	73.64
242	2023.81	4	SLE Q	-56764.60	352.61	-38.38	0.00	78.54	4.80	71.69
243	2083.33	4	SLE Q	-54264.80	261.69	-28.49	0.00	78.54	4.55	68.00
244	2083.33	4	SLE Q	-52779.30	261.69	-28.49	0.00	78.54	4.43	66.19
245	2142.86	4	SLE Q	-50177.10	185.69	-20.21	0.00	78.54	4.17	62.49
246	2142.86	4	SLE Q	-48800.80	185.69	-20.21	0.00	78.54	4.06	60.81
247	2202.38	4	SLE Q	-46095.80	124.13	-13.51	0.00	78.54	3.81	57.08
248	2202.38	4	SLE Q	-44828.50	124.13	-13.51	0.00	78.54	3.71	55.53
249	2261.90	4	SLE Q	-42020.30	76.26	-8.30	0.00	78.54	3.46	51.77
250	2261.90	4	SLE Q	-40861.90	76.26	-8.30	0.00	78.54	3.36	50.36
251	2321.43	4	SLE Q	-37950.20	41.06	-4.47	0.00	78.54	3.11	46.56
252	2321.43	4	SLE Q	-36900.40	41.06	-4.47	0.00	78.54	3.02	45.28
253	2380.95	4	SLE Q	-33884.90	17.43	-1.90	0.00	78.54	2.76	41.44
254	2380.95	4	SLE Q	-32943.60	17.43	-1.90	0.00	78.54	2.69	40.29
255	2440.48	4	SLE Q	-29823.90	4.15	-0.45	0.00	78.54	2.43	36.39
256	2440.48	4	SLE Q	-28991.10	4.15	-0.45	0.00	78.54	2.36	35.38
257	2500.00	4	SLE Q	-25766.70	0.00	0.00	0.00	78.54	2.09	31.42
258	2500.00	4	SLE Q	-25042.20	0.00	0.00	0.00	78.54	2.04	30.53

Verifiche principali

Caso	Tipo
6	SLU N cost - min. sic.
15	SLU Taglio - min. sic. c.a.,SLU Taglio - min. sic. acciaio
89	C.Rare - Sc min (max compr.),C.Rare - Sf min (max compr.)
92	C.Rare - Sf max (max traz.)
99	C.Rare - Sc max (min. compr.)
175	C.Q.Per. - Sc min (max compr.),C.Q.Per. - Sf min (max compr.)
178	C.Q.Per. - Sf max (max traz.)
185	C.Q.Per. - Sc max (min. compr.)

Palo n. 28

Caratteristiche del palo e dei materiali utilizzati

R <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
60.00	6.00	C30/37	307.10	20.59	174.02	13.73	B450C	4300.00	3913.04

Le sollecitazioni nei pali vengono calcolate oltre che per l'effetto delle reazioni vincolari anche considerando i seguenti effetti

Azioni ed effetti comuni

Az	N <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
PP	0.00	0.00	0.00	
SVR	0.00			

Azioni ed effetti - Plinto/Palo n. 28 (-139)

Caso	CC	TCC	Az	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	RVN	224546.00	6422.63	1206.95	23753.70	47807.10
	1	SLU	TAG				0.00	0.00
	1	SLU	ECC				0.00	0.00
	1	SLU	TOT	224546.00	6422.63	1206.95	23753.70	47807.10
2	2	SLE R	RVN	166330.00	4757.50	894.04	17595.30	35412.70
	2	SLE R	TAG				0.00	0.00
	2	SLE R	ECC				0.00	0.00
	2	SLE R	TOT	166330.00	4757.50	894.04	17595.30	35412.70
3	3	SLE F	RVN	166330.00	4757.50	894.04	17595.30	35412.70
	3	SLE F	TAG				0.00	0.00
	3	SLE F	ECC				0.00	0.00
	3	SLE F	TOT	166330.00	4757.50	894.04	17595.30	35412.70
4	4	SLE Q	RVN	166330.00	4757.50	894.04	17595.30	35412.70
	4	SLE Q	TAG				0.00	0.00
	4	SLE Q	ECC				0.00	0.00
	4	SLE Q	TOT	166330.00	4757.50	894.04	17595.30	35412.70

Sollecitazioni nei pali

Caso	CC	TCC	Palo	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	1	-224546.00	-6422.63	-1206.95	-23753.70	-47807.10
2	2	SLE R	1	-166330.00	-4757.50	-894.04	-17595.30	-35412.70
3	3	SLE F	1	-166330.00	-4757.50	-894.04	-17595.30	-35412.70
4	4	SLE Q	1	-166330.00	-4757.50	-894.04	-17595.30	-35412.70

Da 0 a -25

Stato limite ultimo - Verifiche a flessione/pressoflessione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	Rott.	α <grad>	Sic.
1	0.00	1	SLU	-224546.00	23509.50	-47315.70	-224546.00	102942.00	-208136.00	2-3	243.75	4.395
2	0.00	1	SLU	-224546.00	23509.50	-47315.70	-224546.00	102942.00	-208136.00	2-3	243.75	4.395
3	59.52	1	SLU	-224221.00	24560.70	-49431.30	-224221.00	102890.00	-208040.00	2-3	243.75	4.205
4	59.52	1	SLU	-222797.00	24560.70	-49431.30	-222797.00	102661.00	-207621.00	2-3	243.75	4.196
5	119.05	1	SLU	-221418.00	24467.20	-49243.10	-221418.00	102439.00	-207215.00	2-3	243.75	4.204
6	119.05	1	SLU	-217646.00	24467.20	-49243.10	-217646.00	101828.00	-206100.00	2-3	243.75	4.181
7	178.57	1	SLU	-218144.00	23519.20	-47335.10	-218144.00	101909.00	-206248.00	2-3	243.75	4.352
8	178.57	1	SLU	-212523.00	23519.20	-47335.10	-212523.00	100995.00	-204582.00	2-3	243.75	4.316
9	238.09	1	SLU	-214400.00	21964.70	-44206.60	-214400.00	101300.00	-205137.00	2-3	243.75	4.635
10	238.09	1	SLU	-207426.00	21964.70	-44206.60	-207426.00	100175.00	-203046.00	2-3	243.75	4.587
11	297.62	1	SLU	-210185.00	20011.60	-40275.70	-210185.00	100617.00	-203883.00	2-3	243.75	5.055
12	297.62	1	SLU	-202356.00	20011.60	-40275.70	-202356.00	99363.30	-201505.00	2-3	243.75	4.996
13	357.14	1	SLU	-205499.00	17829.80	-35884.50	-205499.00	99866.70	-202460.00	2-3	243.75	5.634
14	357.14	1	SLU	-197311.00	17829.80	-35884.50	-197311.00	98551.40	-199965.00	2-3	243.75	5.564
15	416.67	1	SLU	-200343.00	15554.80	-31305.90	-200343.00	99040.90	-200892.00	2-3	243.75	6.407
16	416.67	1	SLU	-192292.00	15554.80	-31305.90	-192292.00	97739.30	-198427.00	2-3	243.75	6.328
17	476.19	1	SLU	-195137.00	13291.70	-26751.20	-195137.00	98199.50	-199299.00	2-3	243.75	7.438
18	476.19	1	SLU	-187297.00	13291.70	-26751.20	-187297.00	96927.00	-196890.00	2-3	243.75	7.347
19	535.71	1	SLU	-189956.00	11118.70	-22377.70	-189956.00	97361.20	-197711.00	2-3	243.75	8.820
20	535.71	1	SLU	-182326.00	11118.70	-22377.70	-182326.00	96114.60	-195355.00	2-3	243.75	8.713
21	595.24	1	SLU	-184799.00	9091.23	-18297.20	-184799.00	96518.80	-196119.00	2-3	243.75	10.698
22	595.24	1	SLU	-177377.00	9091.23	-18297.20	-177377.00	95302.20	-193821.00	2-3	243.75	10.571
23	654.76	1	SLU	-179665.00	7245.54	-14582.50	-179665.00	95679.60	-194532.00	2-3	243.75	13.313
24	654.76	1	SLU	-172452.00	7245.54	-14582.50	-172452.00	94489.40	-192288.00	2-3	243.75	13.158
25	714.29	1	SLU	-174554.00	5602.34	-11275.40	-2571250.00	94836.40	-192942.00	2-3	243.75	14.730
26	714.29	1	SLU	-167548.00	5602.34	-11275.40	-2571250.00	93676.90	-190756.00	2-3	243.75	15.346
27	773.81	1	SLU	-169466.00	4169.88	-8392.37	-2571250.00	93996.20	-191357.00	2-3	243.75	15.173
28	773.81	1	SLU	-162666.00	4169.88	-8392.37	-2571250.00	92863.60	-189225.00	2-3	243.75	15.807
29	833.33	1	SLU	-164399.00	2946.76	-5930.71	-2571250.00	93152.30	-189769.00	2-3	243.75	15.640
30	833.33	1	SLU	-157804.00	2946.76	-5930.71	-2571250.00	92050.90	-187697.00	2-3	243.75	16.294
31	892.86	1	SLU	-159352.00	1924.45	-3873.18	-2571250.00	92311.20	-188185.00	2-3	243.75	16.136
32	892.86	1	SLU	-152962.00	1924.45	-3873.18	-2571250.00	91237.00	-186168.00	2-3	243.75	16.810
33	952.38	1	SLU	-154326.00	1089.33	-2192.40	-2571250.00	91466.40	-186599.00	2-3	243.75	16.661
34	952.38	1	SLU	-148140.00	1089.33	-2192.40	-2571250.00	90424.20	-184642.00	2-3	243.75	17.357
35	1011.90	1	SLU	-149320.00	424.48	-854.31	-2571250.00	90624.30	-185017.00	2-3	243.75	17.220
36	1011.90	1	SLU	-143336.00	424.48	-854.31	-2571250.00	89609.60	-183116.00	2-3	243.75	17.939

37	1071.43	1	SLU	-144333.00	-88.88	178.88	-2571250.00	-90897.40	182946.00	2-3	63.75	17.815
38	1071.43	1	SLU	-138551.00	-88.88	178.88	-2571250.00	-89866.30	181054.00	2-3	63.75	18.558
39	1130.95	1	SLU	-139363.00	-470.25	946.44	-2571250.00	-90012.40	181321.00	2-3	63.75	18.450
40	1130.95	1	SLU	-133783.00	-470.25	946.44	-2571250.00	-89009.90	179487.00	2-3	63.75	19.220
41	1190.48	1	SLU	-134412.00	-739.01	1487.35	-2571250.00	-89122.90	179693.00	2-3	63.75	19.130
42	1190.48	1	SLU	-129032.00	-739.01	1487.35	-2571250.00	-88153.20	177920.00	2-3	63.75	19.927
43	1250.00	1	SLU	-129478.00	-913.70	1838.92	-2571250.00	-88234.00	178067.00	2-3	63.75	19.859
44	1250.00	1	SLU	-124298.00	-913.70	1838.92	-2571250.00	-87293.90	176351.00	2-3	63.75	20.686
45	1309.52	1	SLU	-124560.00	-1011.59	2035.94	-2571250.00	-87341.40	176438.00	2-3	63.75	20.643
46	1309.52	1	SLU	-119580.00	-1011.59	2035.94	-2571250.00	-86434.40	174784.00	2-3	63.75	21.502
47	1369.05	1	SLU	-119658.00	-1048.39	2110.01	-2571250.00	-86448.70	174810.00	2-3	63.75	21.488
48	1369.05	1	SLU	-114876.00	-1048.39	2110.01	-2571250.00	-85572.00	173215.00	2-3	63.75	22.383
49	1428.57	1	SLU	-114771.00	-1038.07	2089.24	-2571250.00	-85552.80	173180.00	2-3	63.75	22.403
50	1428.57	1	SLU	-110187.00	-1038.07	2089.24	-2571250.00	-84709.50	171647.00	2-3	63.75	23.335
51	1488.10	1	SLU	-109899.00	-992.80	1998.13	-2571250.00	-84656.10	171550.00	2-3	63.75	23.397
52	1488.10	1	SLU	-105512.00	-992.80	1998.13	-2571250.00	-83843.90	170078.00	2-3	63.75	24.369
53	1547.62	1	SLU	-105040.00	-922.95	1857.55	-2571250.00	-83756.50	169919.00	2-3	63.75	24.479
54	1547.62	1	SLU	-100851.00	-922.95	1857.55	-2571250.00	-82978.40	168509.00	2-3	63.75	25.495
55	1607.14	1	SLU	-100195.00	-837.20	1684.96	-2571250.00	-82855.80	168288.00	2-3	63.75	25.662
56	1607.14	1	SLU	-96202.40	-837.20	1684.96	-2571250.00	-82109.20	166939.00	2-3	63.75	26.727
57	1666.67	1	SLU	-95362.80	-742.62	1494.61	-2571250.00	-81952.30	166655.00	2-3	63.75	26.963
58	1666.67	1	SLU	-91565.90	-742.62	1494.61	-2571250.00	-81240.80	165369.00	2-3	63.75	28.081
59	1726.19	1	SLU	-90542.60	-644.87	1297.88	-2571250.00	-81047.50	165022.00	2-3	63.75	28.398
60	1726.19	1	SLU	-86941.10	-644.87	1297.88	-2571250.00	-80367.70	163798.00	2-3	63.75	29.575
61	1785.71	1	SLU	-85733.90	-548.32	1103.56	-2571250.00	-80139.90	163387.00	2-3	63.75	29.991
62	1785.71	1	SLU	-82327.40	-548.32	1103.56	-2571250.00	-79496.10	162227.00	2-3	63.75	31.232
63	1845.24	1	SLU	-80936.10	-456.21	918.18	-2571250.00	-79230.90	161752.00	2-3	63.75	31.769
64	1845.24	1	SLU	-77724.10	-456.21	918.18	-2571250.00	-78619.00	160654.00	2-3	63.75	33.082
65	1904.76	1	SLU	-76148.50	-370.88	746.43	-2571250.00	-78318.90	160116.00	2-3	63.75	33.766
66	1904.76	1	SLU	-73130.60	-370.88	746.43	-2571250.00	-77744.20	159083.00	2-3	63.75	35.160
67	1964.29	1	SLU	-71370.60	-293.83	591.38	-2571250.00	-77413.50	158471.00	2-3	63.75	36.027
68	1964.29	1	SLU	-68546.50	-293.83	591.38	-2571250.00	-76884.30	157486.00	2-3	63.75	37.511
69	2023.81	1	SLU	-66601.80	-225.98	454.81	-2571250.00	-76519.90	156808.00	2-3	63.75	38.606
70	2023.81	1	SLU	-63971.00	-225.98	454.81	-2571250.00	-76027.00	155890.00	2-3	63.75	40.194
71	2083.33	1	SLU	-61841.50	-167.69	337.50	-2571250.00	-75626.10	155145.00	2-3	63.75	41.578
72	2083.33	1	SLU	-59403.70	-167.69	337.50	-2571250.00	-75165.70	154291.00	2-3	63.75	43.284
73	2142.86	1	SLU	-57089.00	-118.97	239.45	-2571250.00	-74770.10	153443.00	2-3	63.75	45.039
74	2142.86	1	SLU	-54843.90	-118.97	239.45	-2571250.00	-74414.60	152594.00	2-3	63.75	46.883
75	2202.38	1	SLU	-52343.70	-79.52	160.05	-2571250.00	-74019.10	151645.00	2-3	63.75	49.122
76	2202.38	1	SLU	-50291.10	-79.52	160.05	-2571250.00	-73695.00	150863.00	2-3	63.75	51.127
77	2261.90	1	SLU	-47605.10	-48.85	98.31	-2571250.00	-73269.90	149840.00	2-3	63.75	54.012
78	2261.90	1	SLU	-45744.60	-48.85	98.31	-2571250.00	-72974.90	149131.00	2-3	63.75	56.209
79	2321.43	1	SLU	-42872.50	-26.30	52.93	-2571250.00	-72520.00	148033.00	2-3	63.75	59.974
80	2321.43	1	SLU	-41204.00	-26.30	52.93	-2571250.00	-72256.40	147392.00	2-3	63.75	62.403
81	2380.95	1	SLU	-38145.40	-11.16	22.46	-2571250.00	-71772.10	146217.00	2-3	63.75	67.407
82	2380.95	1	SLU	-36668.60	-11.16	22.46	-2571250.00	-71537.80	145650.00	2-3	63.75	70.121
83	2440.48	1	SLU	-33423.10	-2.66	5.35	-2571250.00	-71023.60	144400.00	2-3	63.75	76.930
84	2440.48	1	SLU	-32137.90	-2.66	5.35	-2571250.00	-70820.60	143903.00	2-3	63.75	80.007
85	2500.00	1	SLU	-28705.00	0.00	0.00	-2571250.00					89.575
86	2500.00	1	SLU	-27611.20	0.00	0.00	-2571250.00					93.123

Stato limite ultimo – Verifiche a taglio

Caso	X <cm>	CC	TCC	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1	0.00	1	SLU	6422.63	1206.95	0.85	11.31	6535.05	1.00	32294.70	363832.00	32294.70	4.942
2	0.00	1	SLU	6422.63	1206.95	0.85	11.31	6535.05	1.00	32294.70	363832.00	32294.70	4.942
3	59.52	1	SLU	1584.26	297.72	0.85	11.31	1611.99	1.00	32294.70	363785.00	32294.70	20.034
4	59.52	1	SLU	1584.26	297.72	0.85	11.31	1611.99	1.00	32294.70	363581.00	32294.70	20.034
5	119.05	1	SLU	-2098.70	-394.39	0.85	11.31	2135.43	1.00	32294.70	363384.00	32294.70	15.123
6	119.05	1	SLU	-2098.70	-394.39	0.85	11.31	2135.43	1.00	32294.70	362844.00	32294.70	15.123
7	178.57	1	SLU	-4783.57	-898.94	0.85	11.31	4867.30	1.00	32294.70	362915.00	32294.70	6.635
8	178.57	1	SLU	-4783.57	-898.94	0.85	11.31	4867.30	1.00	32294.70	362110.00	32294.70	6.635
9	238.09	1	SLU	-6624.08	-1244.81	0.85	11.31	6740.03	1.00	32294.70	362379.00	32294.70	4.791
10	238.09	1	SLU	-6624.08	-1244.81	0.85	11.31	6740.03	1.00	32294.70	361380.00	32294.70	4.791
11	297.62	1	SLU	-7765.75	-1459.35	0.85	11.31	7901.69	1.00	32294.70	361775.00	32294.70	4.087
12	297.62	1	SLU	-7765.75	-1459.35	0.85	11.31	7901.69	1.00	32294.70	360653.00	32294.70	4.087
13	357.14	1	SLU	-8342.71	-1567.77	0.85	11.31	8488.74	1.00	32294.70	361104.00	32294.70	3.804
14	357.14	1	SLU	-8342.71	-1567.77	0.85	11.31	8488.74	1.00	32294.70	359931.00	32294.70	3.804
15	416.67	1	SLU	-8475.72	-1592.77	0.85	11.31	8624.08	1.00	32294.70	360365.00	32294.70	3.745
16	416.67	1	SLU	-8475.72	-1592.77	0.85	11.31	8624.08	1.00	32294.70	359212.00	32294.70	3.745
17	476.19	1	SLU	-8271.26	-1554.35	0.85	11.31	8416.04	1.00	32294.70	359619.00	32294.70	3.837
18	476.19	1	SLU	-8271.26	-1554.35	0.85	11.31	8416.04	1.00	32294.70	358496.00	32294.70	3.837
19	535.71	1	SLU	-7821.21	-1469.77	0.85	11.31	7958.11	1.00	32294.70	358877.00	32294.70	4.058
20	535.71	1	SLU	-7821.21	-1469.77	0.85	11.31	7958.11	1.00	32294.70	357784.00	32294.70	4.058
21	595.24	1	SLU	-7203.24	-1353.64	0.85	11.31	7329.32	1.00	32294.70	358139.00	32294.70	4.406
22	595.24	1	SLU	-7203.24	-1353.64	0.85	11.31	7329.32	1.00	32294.70	357076.00	32294.70	4.406
23	654.76	1	SLU	-6481.59	-1218.03	0.85	11.31	6595.05	1.00	32294.70	357403.00	32294.70	4.897

24	654.76	1	SLU	-6481.59	-1218.03	0.85	11.31	6595.05	1.00	32294.70	356370.00	32294.70	4.897
25	714.29	1	SLU	-5708.14	-1072.68	0.85	11.31	5808.06	1.00	32294.70	356671.00	32294.70	5.560
26	714.29	1	SLU	-5708.14	-1072.68	0.85	11.31	5808.06	1.00	32294.70	355668.00	32294.70	5.560
27	773.81	1	SLU	-4923.61	-925.25	0.85	11.31	5009.79	1.00	32294.70	355942.00	32294.70	6.446
28	773.81	1	SLU	-4923.61	-925.25	0.85	11.31	5009.79	1.00	32294.70	354968.00	32294.70	6.446
29	833.33	1	SLU	-4158.91	-781.55	0.85	11.31	4231.71	1.00	32294.70	355216.00	32294.70	7.632
30	833.33	1	SLU	-4158.91	-781.55	0.85	11.31	4231.71	1.00	32294.70	354272.00	32294.70	7.632
31	892.86	1	SLU	-3436.52	-645.80	0.85	11.31	3496.67	1.00	32294.70	354494.00	32294.70	9.236
32	892.86	1	SLU	-3436.52	-645.80	0.85	11.31	3496.67	1.00	32294.70	353578.00	32294.70	9.236
33	952.38	1	SLU	-2771.74	-520.87	0.85	11.31	2820.25	1.00	32294.70	353774.00	32294.70	11.451
34	952.38	1	SLU	-2771.74	-520.87	0.85	11.31	2820.25	1.00	32294.70	352888.00	32294.70	11.451
35	1011.90	1	SLU	-2173.98	-408.54	0.85	11.31	2212.04	1.00	32294.70	353057.00	32294.70	14.600
36	1011.90	1	SLU	-2173.98	-408.54	0.85	11.31	2212.04	1.00	32294.70	352199.00	32294.70	14.600
37	1071.43	1	SLU	-1647.91	-309.68	0.85	11.31	1676.75	1.00	32294.70	352342.00	32294.70	19.260
38	1071.43	1	SLU	-1647.91	-309.68	0.85	11.31	1676.75	1.00	32294.70	351514.00	32294.70	19.260
39	1130.95	1	SLU	-1194.42	-224.46	0.85	11.31	1215.33	1.00	32294.70	351630.00	32294.70	26.573
40	1130.95	1	SLU	-1194.42	-224.46	0.85	11.31	1215.33	1.00	32294.70	350831.00	32294.70	26.573
41	1190.48	1	SLU	-811.60	-152.52	0.85	11.31	825.81	1.00	32294.70	350921.00	32294.70	39.107
42	1190.48	1	SLU	-811.60	-152.52	0.85	11.31	825.81	1.00	32294.70	350151.00	32294.70	39.107
43	1250.00	1	SLU	-495.49	-93.11	0.85	11.31	504.16	1.00	32294.70	350214.00	32294.70	64.056
44	1250.00	1	SLU	-495.49	-93.11	0.85	11.31	504.16	1.00	32294.70	349472.00	32294.70	64.056
45	1309.52	1	SLU	-240.71	-45.23	0.85	11.31	244.93	1.00	32294.70	349510.00	32294.70	>100
46	1309.52	1	SLU	-240.71	-45.23	0.85	11.31	244.93	1.00	32294.70	348797.00	32294.70	>100
47	1369.05	1	SLU	-41.06	-7.72	0.85	11.31	41.78	1.00	32294.70	348808.00	32294.70	>100
48	1369.05	1	SLU	-41.06	-7.72	0.85	11.31	41.78	1.00	32294.70	348123.00	32294.70	>100
49	1428.57	1	SLU	110.10	20.69	0.85	11.31	112.03	1.00	32294.70	348108.00	32294.70	>100
50	1428.57	1	SLU	110.10	20.69	0.85	11.31	112.03	1.00	32294.70	347451.00	32294.70	>100
51	1488.10	1	SLU	219.47	41.24	0.85	11.31	223.31	1.00	32294.70	347410.00	32294.70	>100
52	1488.10	1	SLU	219.47	41.24	0.85	11.31	223.31	1.00	32294.70	346782.00	32294.70	>100
53	1547.62	1	SLU	293.55	55.16	0.85	11.31	298.69	1.00	32294.70	346714.00	32294.70	>100
54	1547.62	1	SLU	293.55	55.16	0.85	11.31	298.69	1.00	32294.70	346114.00	32294.70	>100
55	1607.14	1	SLU	338.48	63.61	0.85	11.31	344.41	1.00	32294.70	346020.00	32294.70	93.769
56	1607.14	1	SLU	338.48	63.61	0.85	11.31	344.41	1.00	32294.70	345448.00	32294.70	93.769
57	1666.67	1	SLU	359.90	67.63	0.85	11.31	366.20	1.00	32294.70	345328.00	32294.70	88.190
58	1666.67	1	SLU	359.90	67.63	0.85	11.31	366.20	1.00	32294.70	344784.00	32294.70	88.190
59	1726.19	1	SLU	362.83	68.18	0.85	11.31	369.19	1.00	32294.70	344637.00	32294.70	87.476
60	1726.19	1	SLU	362.83	68.18	0.85	11.31	369.19	1.00	32294.70	344121.00	32294.70	87.476
61	1785.71	1	SLU	351.73	66.10	0.85	11.31	357.88	1.00	32294.70	343949.00	32294.70	90.238
62	1785.71	1	SLU	351.73	66.10	0.85	11.31	357.88	1.00	32294.70	343461.00	32294.70	90.238
63	1845.24	1	SLU	330.38	62.09	0.85	11.31	336.17	1.00	32294.70	343261.00	32294.70	96.068
64	1845.24	1	SLU	330.38	62.09	0.85	11.31	336.17	1.00	32294.70	342801.00	32294.70	96.068
65	1904.76	1	SLU	302.00	56.75	0.85	11.31	307.29	1.00	32294.70	342576.00	32294.70	>100
66	1904.76	1	SLU	302.00	56.75	0.85	11.31	307.29	1.00	32294.70	342143.00	32294.70	>100
67	1964.29	1	SLU	269.21	50.59	0.85	11.31	273.93	1.00	32294.70	341891.00	32294.70	>100
68	1964.29	1	SLU	269.21	50.59	0.85	11.31	273.93	1.00	32294.70	341487.00	32294.70	>100
69	2023.81	1	SLU	234.14	44.00	0.85	11.31	238.24	1.00	32294.70	341208.00	32294.70	>100
70	2023.81	1	SLU	234.14	44.00	0.85	11.31	238.24	1.00	32294.70	340831.00	32294.70	>100
71	2083.33	1	SLU	198.43	37.29	0.85	11.31	201.90	1.00	32294.70	340526.00	32294.70	>100
72	2083.33	1	SLU	198.43	37.29	0.85	11.31	201.90	1.00	32294.70	340177.00	32294.70	>100
73	2142.86	1	SLU	163.33	30.69	0.85	11.31	166.18	1.00	32294.70	339845.00	32294.70	>100
74	2142.86	1	SLU	163.33	30.69	0.85	11.31	166.18	1.00	32294.70	339524.00	32294.70	>100
75	2202.38	1	SLU	129.75	24.38	0.85	11.31	132.02	1.00	32294.70	339166.00	32294.70	>100
76	2202.38	1	SLU	129.75	24.38	0.85	11.31	132.02	1.00	32294.70	338872.00	32294.70	>100
77	2261.90	1	SLU	98.32	18.48	0.85	11.31	100.04	1.00	32294.70	338487.00	32294.70	>100
78	2261.90	1	SLU	98.32	18.48	0.85	11.31	100.04	1.00	32294.70	338221.00	32294.70	>100
79	2321.43	1	SLU	69.45	13.05	0.85	11.31	70.67	1.00	32294.70	337809.00	32294.70	>100
80	2321.43	1	SLU	69.45	13.05	0.85	11.31	70.67	1.00	32294.70	337570.00	32294.70	>100
81	2380.95	1	SLU	43.38	8.15	0.85	11.31	44.14	1.00	32294.70	337132.00	32294.70	>100
82	2380.95	1	SLU	43.38	8.15	0.85	11.31	44.14	1.00	32294.70	336920.00	32294.70	>100
83	2440.48	1	SLU	20.21	3.80	0.85	11.31	20.57	1.00	32294.70	336456.00	32294.70	>100
84	2440.48	1	SLU	20.21	3.80	0.85	11.31	20.57	1.00	32294.70	336271.00	32294.70	>100

Verifiche stato limite d'esercizio

Caso	X <cm>	CC	TCC	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ_c <daN/cmq>	σ_f <daN/cmq>
87	0.00	2	SLE R	-166330.00	-35048.60	17414.50	21.99	56.55	34.45	488.94
88	0.00	2	SLE R	-166330.00	-35048.60	17414.50	21.99	56.55	34.45	488.94
89	59.52	2	SLE R	-166005.00	-36615.80	18193.10	21.99	56.55	35.63	504.86
90	59.52	2	SLE R	-165271.00	-36615.80	18193.10	21.99	56.55	35.60	504.33
91	119.05	2	SLE R	-163202.00	-36476.40	18123.90	21.99	56.55	35.40	501.40
92	119.05	2	SLE R	-161491.00	-36476.40	18123.90	21.99	56.55	35.33	500.22
93	178.57	2	SLE R	-159929.00	-35063.10	17421.60	21.99	56.55	34.16	484.15
94	178.57	2	SLE R	-157731.00	-35063.10	17421.60	21.99	56.55	34.06	482.57
95	238.09	2	SLE R	-156184.00	-32745.70	16270.20	21.99	56.55	32.22	457.45
96	238.09	2	SLE R	-153991.00	-32745.70	16270.20	21.99	56.55	32.11	455.69
97	297.62	2	SLE R	-152414.00	-29833.90	14823.40	18.85	59.69	29.91	425.61
98	297.62	2	SLE R	-150271.00	-29833.90	14823.40	18.85	59.69	29.79	423.65

99	357.14	2	SLE R	-148663.00	-26581.10	13207.20	15.71	62.83	27.47	391.96
100	357.14	2	SLE R	-146569.00	-26581.10	13207.20	15.71	62.83	27.33	389.78
101	416.67	2	SLE R	-144931.00	-23189.60	11522.10	6.28	72.26	25.07	358.80
102	416.67	2	SLE R	-142887.00	-23189.60	11522.10	9.42	69.11	24.92	356.45
103	476.19	2	SLE R	-141218.00	-19815.70	9845.72	0.00	78.54	22.81	327.39
104	476.19	2	SLE R	-139222.00	-19815.70	9845.72	0.00	78.54	22.65	324.95
105	535.71	2	SLE R	-137522.00	-16576.10	8236.09	0.00	78.54	20.66	297.51
106	535.71	2	SLE R	-135576.00	-16576.10	8236.09	0.00	78.54	20.50	295.13
107	595.24	2	SLE R	-133844.00	-13553.50	6734.24	0.00	78.54	18.63	269.35
108	595.24	2	SLE R	-131946.00	-13553.50	6734.24	0.00	78.54	18.47	267.03
109	654.76	2	SLE R	-130183.00	-10801.90	5367.06	0.00	78.54	16.76	243.33
110	654.76	2	SLE R	-128333.00	-10801.90	5367.06	0.00	78.54	16.61	241.08
111	714.29	2	SLE R	-126538.00	-8352.13	4149.88	0.00	78.54	15.06	219.70
112	714.29	2	SLE R	-124737.00	-8352.13	4149.88	0.00	78.54	14.91	217.50
113	773.81	2	SLE R	-122910.00	-6216.57	3088.80	0.00	78.54	13.54	198.55
114	773.81	2	SLE R	-121156.00	-6216.57	3088.80	0.00	78.54	13.40	196.41
115	833.33	2	SLE R	-119297.00	-4393.12	2182.79	0.00	78.54	12.21	179.86
116	833.33	2	SLE R	-117591.00	-4393.12	2182.79	0.00	78.54	12.07	177.78
117	892.86	2	SLE R	-115699.00	-2869.02	1425.52	0.00	78.54	11.04	163.54
118	892.86	2	SLE R	-114040.00	-2869.02	1425.52	0.00	78.54	10.91	161.51
119	952.38	2	SLE R	-112116.00	-1624.00	806.91	0.00	78.54	10.04	149.42
120	952.38	2	SLE R	-110504.00	-1624.00	806.91	0.00	78.54	9.91	147.45
121	1011.90	2	SLE R	-108547.00	-632.82	314.43	0.00	78.54	9.18	137.30
122	1011.90	2	SLE R	-106983.00	-632.82	314.43	0.00	78.54	9.06	135.40
123	1071.43	2	SLE R	-104992.00	132.50	-65.84	0.00	78.54	8.61	129.05
124	1071.43	2	SLE R	-103474.00	132.50	-65.84	0.00	78.54	8.49	127.20
125	1130.95	2	SLE R	-101450.00	701.07	-348.34	0.00	78.54	8.65	129.20
126	1130.95	2	SLE R	-99979.20	701.07	-348.34	0.00	78.54	8.53	127.41
127	1190.48	2	SLE R	-97921.10	1101.74	-547.42	0.00	78.54	8.59	128.04
128	1190.48	2	SLE R	-96496.80	1101.74	-547.42	0.00	78.54	8.47	126.31
129	1250.00	2	SLE R	-94404.70	1362.16	-676.81	0.00	78.54	8.45	125.80
130	1250.00	2	SLE R	-93026.60	1362.16	-676.81	0.00	78.54	8.34	124.12
131	1309.52	2	SLE R	-90900.20	1508.10	-749.32	0.00	78.54	8.25	122.67
132	1309.52	2	SLE R	-89568.20	1508.10	-749.32	0.00	78.54	8.14	121.05
133	1369.05	2	SLE R	-87407.20	1562.97	-776.59	0.00	78.54	8.00	118.85
134	1369.05	2	SLE R	-86121.20	1562.97	-776.59	0.00	78.54	7.89	117.28
135	1428.57	2	SLE R	-83925.40	1547.59	-768.94	0.00	78.54	7.71	114.48
136	1428.57	2	SLE R	-82685.10	1547.59	-768.94	0.00	78.54	7.61	112.97
137	1488.10	2	SLE R	-80454.20	1480.09	-735.41	0.00	78.54	7.39	109.72
138	1488.10	2	SLE R	-79259.50	1480.09	-735.41	0.00	78.54	7.29	108.26
139	1547.62	2	SLE R	-76993.20	1375.96	-683.67	0.00	78.54	7.04	104.68
140	1547.62	2	SLE R	-75844.00	1375.96	-683.67	0.00	78.54	6.95	103.28
141	1607.14	2	SLE R	-73542.00	1248.12	-620.14	0.00	78.54	6.69	99.47
142	1607.14	2	SLE R	-72438.10	1248.12	-620.14	0.00	78.54	6.60	98.12
143	1666.67	2	SLE R	-70100.10	1107.12	-550.09	0.00	78.54	6.33	94.16
144	1666.67	2	SLE R	-69041.40	1107.12	-550.09	0.00	78.54	6.24	92.87
145	1726.19	2	SLE R	-66667.20	961.40	-477.68	0.00	78.54	5.97	88.83
146	1726.19	2	SLE R	-65653.50	961.40	-477.68	0.00	78.54	5.89	87.60
147	1785.71	2	SLE R	-63242.70	817.45	-406.16	0.00	78.54	5.61	83.53
148	1785.71	2	SLE R	-62273.90	817.45	-406.16	0.00	78.54	5.53	82.35
149	1845.24	2	SLE R	-59826.20	680.14	-337.94	0.00	78.54	5.25	78.28
150	1845.24	2	SLE R	-58902.20	680.14	-337.94	0.00	78.54	5.18	77.16
151	1904.76	2	SLE R	-56417.30	552.91	-274.72	0.00	78.54	4.90	73.13
152	1904.76	2	SLE R	-55538.00	552.91	-274.72	0.00	78.54	4.83	72.06
153	1964.29	2	SLE R	-53015.60	438.06	-217.66	0.00	78.54	4.56	68.08
154	1964.29	2	SLE R	-52180.90	438.06	-217.66	0.00	78.54	4.49	67.06
155	2023.81	2	SLE R	-49620.60	336.89	-167.39	0.00	78.54	4.23	63.15
156	2023.81	2	SLE R	-48830.30	336.89	-167.39	0.00	78.54	4.16	62.18
157	2083.33	2	SLE R	-46232.00	250.00	-124.22	0.00	78.54	3.90	58.33
158	2083.33	2	SLE R	-45486.00	250.00	-124.22	0.00	78.54	3.84	57.42
159	2142.86	2	SLE R	-42849.10	177.37	-88.13	0.00	78.54	3.58	53.64
160	2142.86	2	SLE R	-42147.40	177.37	-88.13	0.00	78.54	3.53	52.78
161	2202.38	2	SLE R	-39471.80	118.56	-58.91	0.00	78.54	3.28	49.06
162	2202.38	2	SLE R	-38814.20	118.56	-58.91	0.00	78.54	3.22	48.26
163	2261.90	2	SLE R	-36099.40	72.82	-36.18	0.00	78.54	2.98	44.59
164	2261.90	2	SLE R	-35486.00	72.82	-36.18	0.00	78.54	2.93	43.84
165	2321.43	2	SLE R	-32731.60	39.21	-19.48	0.00	78.54	2.68	40.22
166	2321.43	2	SLE R	-32162.20	39.21	-19.48	0.00	78.54	2.64	39.52
167	2380.95	2	SLE R	-29368.00	16.64	-8.27	0.00	78.54	2.40	35.94
168	2380.95	2	SLE R	-28842.50	16.64	-8.27	0.00	78.54	2.35	35.30
169	2440.48	2	SLE R	-26008.10	3.96	-1.97	0.00	78.54	2.12	31.74
170	2440.48	2	SLE R	-25526.50	3.96	-1.97	0.00	78.54	2.08	31.15
171	2500.00	2	SLE R	-22651.50	0.00	0.00	0.00	78.54	1.84	27.62
172	2500.00	2	SLE R	-22213.70	0.00	0.00	0.00	78.54	1.81	27.08
173	0.00	4	SLE Q	-166330.00	-35048.60	17414.50	21.99	56.55	34.45	488.94
174	0.00	4	SLE Q	-166330.00	-35048.60	17414.50	21.99	56.55	34.45	488.94

175	59.52	4	SLE Q	-166005.00	-36615.80	18193.10	21.99	56.55	35.63	504.86
176	59.52	4	SLE Q	-165271.00	-36615.80	18193.10	21.99	56.55	35.60	504.33
177	119.05	4	SLE Q	-163202.00	-36476.40	18123.90	21.99	56.55	35.40	501.40
178	119.05	4	SLE Q	-161491.00	-36476.40	18123.90	21.99	56.55	35.33	500.22
179	178.57	4	SLE Q	-159929.00	-35063.10	17421.60	21.99	56.55	34.16	484.15
180	178.57	4	SLE Q	-157731.00	-35063.10	17421.60	21.99	56.55	34.06	482.57
181	238.09	4	SLE Q	-156184.00	-32745.70	16270.20	21.99	56.55	32.22	457.45
182	238.09	4	SLE Q	-153991.00	-32745.70	16270.20	21.99	56.55	32.11	455.69
183	297.62	4	SLE Q	-152414.00	-29833.90	14823.40	18.85	59.69	29.91	425.61
184	297.62	4	SLE Q	-150271.00	-29833.90	14823.40	18.85	59.69	29.79	423.65
185	357.14	4	SLE Q	-148663.00	-26581.10	13207.20	15.71	62.83	27.47	391.96
186	357.14	4	SLE Q	-146569.00	-26581.10	13207.20	15.71	62.83	27.33	389.78
187	416.67	4	SLE Q	-144931.00	-23189.60	11522.10	6.28	72.26	25.07	358.80
188	416.67	4	SLE Q	-142887.00	-23189.60	11522.10	9.42	69.11	24.92	356.45
189	476.19	4	SLE Q	-141218.00	-19815.70	9845.72	0.00	78.54	22.81	327.39
190	476.19	4	SLE Q	-139222.00	-19815.70	9845.72	0.00	78.54	22.65	324.95
191	535.71	4	SLE Q	-137522.00	-16576.10	8236.09	0.00	78.54	20.66	297.51
192	535.71	4	SLE Q	-135576.00	-16576.10	8236.09	0.00	78.54	20.50	295.13
193	595.24	4	SLE Q	-133844.00	-13553.50	6734.24	0.00	78.54	18.63	269.35
194	595.24	4	SLE Q	-131946.00	-13553.50	6734.24	0.00	78.54	18.47	267.03
195	654.76	4	SLE Q	-130183.00	-10801.90	5367.06	0.00	78.54	16.76	243.33
196	654.76	4	SLE Q	-128333.00	-10801.90	5367.06	0.00	78.54	16.61	241.08
197	714.29	4	SLE Q	-126538.00	-8352.13	4149.88	0.00	78.54	15.06	219.70
198	714.29	4	SLE Q	-124737.00	-8352.13	4149.88	0.00	78.54	14.91	217.50
199	773.81	4	SLE Q	-122910.00	-6216.57	3088.80	0.00	78.54	13.54	198.55
200	773.81	4	SLE Q	-121156.00	-6216.57	3088.80	0.00	78.54	13.40	196.41
201	833.33	4	SLE Q	-119297.00	-4393.12	2182.79	0.00	78.54	12.21	179.86
202	833.33	4	SLE Q	-117591.00	-4393.12	2182.79	0.00	78.54	12.07	177.78
203	892.86	4	SLE Q	-115699.00	-2869.02	1425.52	0.00	78.54	11.04	163.54
204	892.86	4	SLE Q	-114040.00	-2869.02	1425.52	0.00	78.54	10.91	161.51
205	952.38	4	SLE Q	-112116.00	-1624.00	806.91	0.00	78.54	10.04	149.42
206	952.38	4	SLE Q	-110504.00	-1624.00	806.91	0.00	78.54	9.91	147.45
207	1011.90	4	SLE Q	-108547.00	-632.82	314.43	0.00	78.54	9.18	137.30
208	1011.90	4	SLE Q	-106983.00	-632.82	314.43	0.00	78.54	9.06	135.40
209	1071.43	4	SLE Q	-104992.00	132.50	-65.84	0.00	78.54	8.61	129.05
210	1071.43	4	SLE Q	-103474.00	132.50	-65.84	0.00	78.54	8.49	127.20
211	1130.95	4	SLE Q	-101450.00	701.07	-348.34	0.00	78.54	8.65	129.20
212	1130.95	4	SLE Q	-99979.20	701.07	-348.34	0.00	78.54	8.53	127.41
213	1190.48	4	SLE Q	-97921.10	1101.74	-547.42	0.00	78.54	8.59	128.04
214	1190.48	4	SLE Q	-96496.80	1101.74	-547.42	0.00	78.54	8.47	126.31
215	1250.00	4	SLE Q	-94404.70	1362.16	-676.81	0.00	78.54	8.45	125.80
216	1250.00	4	SLE Q	-93026.60	1362.16	-676.81	0.00	78.54	8.34	124.12
217	1309.52	4	SLE Q	-90900.20	1508.10	-749.32	0.00	78.54	8.25	122.67
218	1309.52	4	SLE Q	-89568.20	1508.10	-749.32	0.00	78.54	8.14	121.05
219	1369.05	4	SLE Q	-87407.20	1562.97	-776.59	0.00	78.54	8.00	118.85
220	1369.05	4	SLE Q	-86121.20	1562.97	-776.59	0.00	78.54	7.89	117.28
221	1428.57	4	SLE Q	-83925.40	1547.59	-768.94	0.00	78.54	7.71	114.48
222	1428.57	4	SLE Q	-82685.10	1547.59	-768.94	0.00	78.54	7.61	112.97
223	1488.10	4	SLE Q	-80454.20	1480.09	-735.41	0.00	78.54	7.39	109.72
224	1488.10	4	SLE Q	-79259.50	1480.09	-735.41	0.00	78.54	7.29	108.26
225	1547.62	4	SLE Q	-76993.20	1375.96	-683.67	0.00	78.54	7.04	104.68
226	1547.62	4	SLE Q	-75844.00	1375.96	-683.67	0.00	78.54	6.95	103.28
227	1607.14	4	SLE Q	-73542.00	1248.12	-620.14	0.00	78.54	6.69	99.47
228	1607.14	4	SLE Q	-72438.10	1248.12	-620.14	0.00	78.54	6.60	98.12
229	1666.67	4	SLE Q	-70100.10	1107.12	-550.09	0.00	78.54	6.33	94.16
230	1666.67	4	SLE Q	-69041.40	1107.12	-550.09	0.00	78.54	6.24	92.87
231	1726.19	4	SLE Q	-66667.20	961.40	-477.68	0.00	78.54	5.97	88.83
232	1726.19	4	SLE Q	-65653.50	961.40	-477.68	0.00	78.54	5.89	87.60
233	1785.71	4	SLE Q	-63242.70	817.45	-406.16	0.00	78.54	5.61	83.53
234	1785.71	4	SLE Q	-62273.90	817.45	-406.16	0.00	78.54	5.53	82.35
235	1845.24	4	SLE Q	-59826.20	680.14	-337.94	0.00	78.54	5.25	78.28
236	1845.24	4	SLE Q	-58902.20	680.14	-337.94	0.00	78.54	5.18	77.16
237	1904.76	4	SLE Q	-56417.30	552.91	-274.72	0.00	78.54	4.90	73.13
238	1904.76	4	SLE Q	-55538.00	552.91	-274.72	0.00	78.54	4.83	72.06
239	1964.29	4	SLE Q	-53015.60	438.06	-217.66	0.00	78.54	4.56	68.08
240	1964.29	4	SLE Q	-52180.90	438.06	-217.66	0.00	78.54	4.49	67.06
241	2023.81	4	SLE Q	-49620.60	336.89	-167.39	0.00	78.54	4.23	63.15
242	2023.81	4	SLE Q	-48830.30	336.89	-167.39	0.00	78.54	4.16	62.18
243	2083.33	4	SLE Q	-46232.00	250.00	-124.22	0.00	78.54	3.90	58.33
244	2083.33	4	SLE Q	-45486.00	250.00	-124.22	0.00	78.54	3.84	57.42
245	2142.86	4	SLE Q	-42849.10	177.37	-88.13	0.00	78.54	3.58	53.64
246	2142.86	4	SLE Q	-42147.40	177.37	-88.13	0.00	78.54	3.53	52.78
247	2202.38	4	SLE Q	-39471.80	118.56	-58.91	0.00	78.54	3.28	49.06
248	2202.38	4	SLE Q	-38814.20	118.56	-58.91	0.00	78.54	3.22	48.26
249	2261.90	4	SLE Q	-36099.40	72.82	-36.18	0.00	78.54	2.98	44.59
250	2261.90	4	SLE Q	-35486.00	72.82	-36.18	0.00	78.54	2.93	43.84

251	2321.43	4	SLE Q	-32731.60	39.21	-19.48	0.00	78.54	2.68	40.22
252	2321.43	4	SLE Q	-32162.20	39.21	-19.48	0.00	78.54	2.64	39.52
253	2380.95	4	SLE Q	-29368.00	16.64	-8.27	0.00	78.54	2.40	35.94
254	2380.95	4	SLE Q	-28842.50	16.64	-8.27	0.00	78.54	2.35	35.30
255	2440.48	4	SLE Q	-26008.10	3.96	-1.97	0.00	78.54	2.12	31.74
256	2440.48	4	SLE Q	-25526.50	3.96	-1.97	0.00	78.54	2.08	31.15
257	2500.00	4	SLE Q	-22651.50	0.00	0.00	0.00	78.54	1.84	27.62
258	2500.00	4	SLE Q	-22213.70	0.00	0.00	0.00	78.54	1.81	27.08

Stato limite d'esercizio – Verifiche a fessurazione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	c <mm>	s <mm>	K_2	Φ_{eq}	Δ_{sm} <mm>	A_s <cmq>	$A_{c\ eff}$ <cmq>	σ_s <daN/cmq>	ε_{sm}	Wk <mm>
173	0.00	4	SLE Q	-166330.00	17414.50	-35048.60	46.00	136.36	0.50	20.00	158.14	9.42	311.68	96.62	0.03	0.01
174	0.00	4	SLE Q	-166330.00	17414.50	-35048.60	46.00	136.36	0.50	20.00	158.14	9.42	311.68	96.62	0.03	0.01
175	59.52	4	SLE Q	-166005.00	18193.10	-36615.80	46.00	136.36	0.50	20.00	169.70	9.42	366.14	118.32	0.03	0.01
176	59.52	4	SLE Q	-165271.00	18193.10	-36615.80	46.00	136.36	0.50	20.00	170.84	9.42	371.54	120.06	0.03	0.01
177	119.05	4	SLE Q	-163202.00	18123.90	-36476.40	46.00	136.36	0.50	20.00	173.13	9.42	382.30	123.05	0.04	0.01
178	119.05	4	SLE Q	-161491.00	18123.90	-36476.40	46.00	136.36	0.50	20.00	175.89	9.42	395.33	127.25	0.04	0.01
179	178.57	4	SLE Q	-159929.00	17421.60	-35063.10	46.00	136.36	0.50	20.00	168.14	9.42	358.81	111.05	0.03	0.01
180	178.57	4	SLE Q	-157731.00	17421.60	-35063.10	46.00	136.36	0.50	20.00	171.72	9.42	375.66	116.23	0.03	0.01
181	238.09	4	SLE Q	-156184.00	16270.20	-32745.70	46.00	136.36	0.50	20.00	156.90	9.42	305.83	88.61	0.03	0.01
182	238.09	4	SLE Q	-153991.00	16270.20	-32745.70	46.00	136.36	0.50	20.00	160.41	9.42	322.36	93.31	0.03	0.01
183	297.62	4	SLE Q	-152414.00	14823.40	-29833.90	46.00	136.36	0.50	20.00	164.82	6.28	228.78	60.81	0.02	0.00
184	297.62	4	SLE Q	-150271.00	14823.40	-29833.90	46.00	136.36	0.50	20.00	169.74	6.28	244.22	64.81	0.02	0.01
259	0.00	3	SLE F	-166330.00	17414.50	-35048.60	46.00	136.36	0.50	20.00	158.14	9.42	311.68	96.62	0.03	0.01
260	0.00	3	SLE F	-166330.00	17414.50	-35048.60	46.00	136.36	0.50	20.00	158.14	9.42	311.68	96.62	0.03	0.01
261	59.52	3	SLE F	-166005.00	18193.10	-36615.80	46.00	136.36	0.50	20.00	169.70	9.42	366.14	118.32	0.03	0.01
262	59.52	3	SLE F	-165271.00	18193.10	-36615.80	46.00	136.36	0.50	20.00	170.84	9.42	371.54	120.06	0.03	0.01
263	119.05	3	SLE F	-163202.00	18123.90	-36476.40	46.00	136.36	0.50	20.00	173.13	9.42	382.30	123.05	0.04	0.01
264	119.05	3	SLE F	-161491.00	18123.90	-36476.40	46.00	136.36	0.50	20.00	175.89	9.42	395.33	127.25	0.04	0.01
265	178.57	3	SLE F	-159929.00	17421.60	-35063.10	46.00	136.36	0.50	20.00	168.14	9.42	358.81	111.05	0.03	0.01
266	178.57	3	SLE F	-157731.00	17421.60	-35063.10	46.00	136.36	0.50	20.00	171.72	9.42	375.66	116.23	0.03	0.01
267	238.09	3	SLE F	-156184.00	16270.20	-32745.70	46.00	136.36	0.50	20.00	156.90	9.42	305.83	88.61	0.03	0.01
268	238.09	3	SLE F	-153991.00	16270.20	-32745.70	46.00	136.36	0.50	20.00	160.41	9.42	322.36	93.31	0.03	0.01
269	297.62	3	SLE F	-152414.00	14823.40	-29833.90	46.00	136.36	0.50	20.00	164.82	6.28	228.78	60.81	0.02	0.00
270	297.62	3	SLE F	-150271.00	14823.40	-29833.90	46.00	136.36	0.50	20.00	169.74	6.28	244.22	64.81	0.02	0.01

Verifiche principali

Caso	Tipo
6	SLU N cost – min. sic.
15	SLU Taglio – min. sic. c.a.,SLU Taglio – min. sic. acciaio
89	C.Rare – Sc min (max compr.),C.Rare – Sf min (max compr.)
92	C.Rare – Sf max (max traz.)
103	C.Rare – Sc max (min. compr.)
175	C.Q.Per. – Sc min (max compr.),C.Q.Per. – Sf min (max compr.)
178	C.Q.Per. – Sf max (max traz.),C.Q.Per. – Wk Max
189	C.Q.Per. – Sc max (min. compr.)
264	C.Freq – Wk Max

Palo n. 29

Caratteristiche del palo e dei materiali utilizzati

R <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
60.00	6.00	C30/37	307.10	20.59	174.02	13.73	B450C	4300.00	3913.04

Le sollecitazioni nei pali vengono calcolate oltre che per l'effetto delle reazioni vincolari anche considerando i seguenti effetti

Azioni ed effetti comuni

Az	N <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
PP	0.00	0.00	0.00	
SVR	0.00			

Azioni ed effetti – Plinto/Palo n. 29 (-84)

Caso	CC	TCC	Az	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	RVN	178731.00	6794.42	1233.96	38190.60	39373.90
	1	SLU	TAG				0.00	0.00
	1	SLU	ECC				0.00	0.00
	1	SLU	TOT	178731.00	6794.42	1233.96	38190.60	39373.90
2	2	SLE R	RVN	132393.00	5032.90	914.05	28289.30	29165.90
	2	SLE R	TAG				0.00	0.00
	2	SLE R	ECC				0.00	0.00
	2	SLE R	TOT	132393.00	5032.90	914.05	28289.30	29165.90
3	3	SLE F	RVN	132393.00	5032.90	914.05	28289.30	29165.90
	3	SLE F	TAG				0.00	0.00

	3	SLE F	ECC				0.00	0.00
	3	SLE F	TOT	132393.00	5032.90	914.05	28289.30	29165.90
4	4	SLE Q	RVN	132393.00	5032.90	914.05	28289.30	29165.90
	4	SLE Q	TAG				0.00	0.00
	4	SLE Q	ECC				0.00	0.00
	4	SLE Q	TOT	132393.00	5032.90	914.05	28289.30	29165.90

Sollecitazioni nei pali

Caso	CC	TCC	Palo	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	1	-178731.00	-6794.42	-1233.96	-38190.60	-39373.90
2	2	SLE R	1	-132393.00	-5032.90	-914.05	-28289.30	-29165.90
3	3	SLE F	1	-132393.00	-5032.90	-914.05	-28289.30	-29165.90
4	4	SLE Q	1	-132393.00	-5032.90	-914.05	-28289.30	-29165.90

Da 0 a -25

Stato limite ultimo - Verifiche a flessione/pressoflessione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	Rott.	α <grad>	Sic.
1	0.00	1	SLU	-178731.00	37794.30	-38965.30	-178731.00	149726.00	-156319.00	2-3	226.25	3.988
2	0.00	1	SLU	-178731.00	37794.30	-38965.30	-178731.00	149726.00	-156319.00	2-3	226.25	3.988
3	59.52	1	SLU	-178406.00	39552.60	-40778.00	-178406.00	149647.00	-156236.00	2-3	226.25	3.808
4	59.52	1	SLU	-177525.00	39552.60	-40778.00	-177525.00	149434.00	-156011.00	2-3	226.25	3.803
5	119.05	1	SLU	-175603.00	39451.10	-40673.40	-175603.00	148969.00	-155519.00	2-3	226.25	3.801
6	119.05	1	SLU	-173453.00	39451.10	-40673.40	-173453.00	148448.00	-154969.00	2-3	226.25	3.787
7	178.57	1	SLU	-172329.00	37959.40	-39135.50	-172329.00	148176.00	-154681.00	2-3	226.25	3.929
8	178.57	1	SLU	-169402.00	37959.40	-39135.50	-169402.00	147463.00	-153928.00	2-3	226.25	3.910
9	238.09	1	SLU	-168585.00	35479.30	-36578.60	-168585.00	147264.00	-153718.00	2-3	226.25	4.177
10	238.09	1	SLU	-165373.00	35479.30	-36578.60	-165373.00	146481.00	-152889.00	2-3	226.25	4.155
11	297.62	1	SLU	-164502.00	32347.50	-33349.80	-164502.00	146268.00	-152665.00	2-3	226.25	4.551
12	297.62	1	SLU	-161366.00	32347.50	-33349.80	-161366.00	145502.00	-151855.00	2-3	226.25	4.527
13	357.14	1	SLU	-160439.00	28839.70	-29733.30	-160439.00	145274.00	-151615.00	2-3	226.25	5.069
14	357.14	1	SLU	-157378.00	28839.70	-29733.30	-157378.00	144522.00	-150820.00	2-3	226.25	5.043
15	416.67	1	SLU	-156397.00	25176.00	-25956.00	-156397.00	144281.00	-150565.00	2-3	226.25	5.767
16	416.67	1	SLU	-153411.00	25176.00	-25956.00	-153411.00	143547.00	-149789.00	2-3	226.25	5.737
17	476.19	1	SLU	-152375.00	21526.80	-22193.80	-152375.00	143292.00	-149519.00	2-3	226.25	6.698
18	476.19	1	SLU	-149463.00	21526.80	-22193.80	-149463.00	142573.00	-148759.00	2-3	226.25	6.664
19	535.71	1	SLU	-148372.00	18019.50	-18577.80	-148372.00	142303.00	-148474.00	2-3	226.25	7.946
20	535.71	1	SLU	-145534.00	18019.50	-18577.80	-145534.00	141601.00	-147731.00	2-3	226.25	7.907
21	595.24	1	SLU	-144387.00	14744.40	-15201.30	-144387.00	141317.00	-147431.00	2-3	226.25	9.643
22	595.24	1	SLU	-141624.00	14744.40	-15201.30	-141624.00	140632.00	-146707.00	2-3	226.25	9.596
23	654.76	1	SLU	-140422.00	11760.90	-12125.30	-140422.00	140333.00	-146391.00	2-3	226.25	12.005
24	654.76	1	SLU	-137731.00	11760.90	-12125.30	-137731.00	139663.00	-145683.00	2-3	226.25	11.947
25	714.29	1	SLU	-136474.00	9102.99	-9385.03	-136474.00	139349.00	-145351.00	2-3	226.25	15.401
26	714.29	1	SLU	-133856.00	9102.99	-9385.03	-133856.00	138697.00	-144661.00	2-3	226.25	15.328
27	773.81	1	SLU	-132543.00	6784.45	-6994.65	-2571250.00	138369.00	-144315.00	2-3	226.25	19.399
28	773.81	1	SLU	-129998.00	6784.45	-6994.65	-2571250.00	137733.00	-143642.00	2-3	226.25	19.779
29	833.33	1	SLU	-128629.00	4803.49	-4952.32	-2571250.00	137390.00	-143279.00	2-3	226.25	19.990
30	833.33	1	SLU	-126157.00	4803.49	-4952.32	-2571250.00	136770.00	-142624.00	2-3	226.25	20.381
31	892.86	1	SLU	-124732.00	3146.63	-3244.13	-2571250.00	136412.00	-142246.00	2-3	226.25	20.614
32	892.86	1	SLU	-122331.00	3146.63	-3244.13	-2571250.00	135809.00	-141608.00	2-3	226.25	21.019
33	952.38	1	SLU	-120850.00	1792.16	-1847.69	-2571250.00	135437.00	-141215.00	2-3	226.25	21.276
34	952.38	1	SLU	-118521.00	1792.16	-1847.69	-2571250.00	134850.00	-140594.00	2-3	226.25	21.694
35	1011.90	1	SLU	-116984.00	712.95	-735.04	-2571250.00	134462.00	-140184.00	2-3	226.25	21.980
36	1011.90	1	SLU	-114726.00	712.95	-735.04	-2571250.00	133892.00	-139581.00	2-3	226.25	22.412
37	1071.43	1	SLU	-113132.00	-121.22	124.97	-2571250.00	-133202.00	139148.00	2-3	46.25	22.728
38	1071.43	1	SLU	-110946.00	-121.22	124.97	-2571250.00	-132636.00	138530.00	2-3	46.25	23.176
39	1130.95	1	SLU	-109295.00	-741.76	764.74	-2571250.00	-132201.00	138067.00	2-3	46.25	23.526
40	1130.95	1	SLU	-107180.00	-741.76	764.74	-2571250.00	-131640.00	137475.00	2-3	46.25	23.990
41	1190.48	1	SLU	-105472.00	-1179.89	1216.45	-2571250.00	-131187.00	136997.00	2-3	46.25	24.379
42	1190.48	1	SLU	-103427.00	-1179.89	1216.45	-2571250.00	-130643.00	136423.00	2-3	46.25	24.860
43	1250.00	1	SLU	-101662.00	-1465.56	1510.97	-2571250.00	-130172.00	135925.00	2-3	46.25	25.292
44	1250.00	1	SLU	-99687.90	-1465.56	1510.97	-2571250.00	-129646.00	135370.00	2-3	46.25	25.793
45	1309.52	1	SLU	-97864.90	-1626.67	1677.07	-2571250.00	-129158.00	134855.00	2-3	46.25	26.273
46	1309.52	1	SLU	-95961.00	-1626.67	1677.07	-2571250.00	-128650.00	134318.00	2-3	46.25	26.795
47	1369.05	1	SLU	-94080.40	-1688.62	1740.94	-2571250.00	-128146.00	133786.00	2-3	46.25	27.330
48	1369.05	1	SLU	-92246.40	-1688.62	1740.94	-2571250.00	-127654.00	133265.00	2-3	46.25	27.874
49	1428.57	1	SLU	-90307.80	-1673.99	1725.85	-2571250.00	-127133.00	132715.00	2-3	46.25	28.472
50	1428.57	1	SLU	-88543.50	-1673.99	1725.85	-2571250.00	-126659.00	132214.00	2-3	46.25	29.039
51	1488.10	1	SLU	-86546.70	-1602.47	1652.12	-2571250.00	-126122.00	131647.00	2-3	46.25	29.709
52	1488.10	1	SLU	-84851.80	-1602.47	1652.12	-2571250.00	-125666.00	131165.00	2-3	46.25	30.303
53	1547.62	1	SLU	-82796.60	-1490.88	1537.08	-2571250.00	-125111.00	130578.00	2-3	46.25	31.055
54	1547.62	1	SLU	-81170.80	-1490.88	1537.08	-2571250.00	-124672.00	130114.00	2-3	46.25	31.677
55	1607.14	1	SLU	-79057.00	-1353.27	1395.20	-2571250.00	-124100.00	129510.00	2-3	46.25	32.524

56	1607.14	1	SLU	-77500.20	-1353.27	1395.20	-2571250.00	-123679.00	129064.00	2-3	46.25	33.177
57	1666.67	1	SLU	-75327.40	-1201.13	1238.35	-2571250.00	-123091.00	128443.00	2-3	46.25	34.134
58	1666.67	1	SLU	-73839.50	-1201.13	1238.35	-2571250.00	-122688.00	128016.00	2-3	46.25	34.822
59	1726.19	1	SLU	-71607.40	-1043.63	1075.96	-2571250.00	-122081.00	127374.00	2-3	46.25	35.908
60	1726.19	1	SLU	-70188.10	-1043.63	1075.96	-2571250.00	-121695.00	126966.00	2-3	46.25	36.634
61	1785.71	1	SLU	-67896.50	-887.86	915.37	-2571250.00	-121072.00	126306.00	2-3	46.25	37.870
62	1785.71	1	SLU	-66545.60	-887.86	915.37	-2571250.00	-120704.00	125917.00	2-3	46.25	38.639
63	1845.24	1	SLU	-64194.20	-739.12	762.02	-2571250.00	-120063.00	125239.00	2-3	46.25	40.054
64	1845.24	1	SLU	-62911.50	-739.12	762.02	-2571250.00	-119713.00	124868.00	2-3	46.25	40.871
65	1904.76	1	SLU	-60500.00	-601.19	619.81	-2571250.00	-119054.00	124170.00	2-3	46.25	42.500
66	1904.76	1	SLU	-59285.50	-601.19	619.81	-2571250.00	-118722.00	123819.00	2-3	46.25	43.371
67	1964.29	1	SLU	-56813.60	-476.57	491.33	-2571250.00	-118045.00	123103.00	2-3	46.25	45.258
68	1964.29	1	SLU	-55667.00	-476.57	491.33	-2571250.00	-117731.00	122771.00	2-3	46.25	46.190
69	2023.81	1	SLU	-53134.30	-366.72	378.08	-2571250.00	-117037.00	122035.00	2-3	46.25	48.392
70	2023.81	1	SLU	-52055.50	-366.72	378.08	-2571250.00	-116741.00	121721.00	2-3	46.25	49.394
71	2083.33	1	SLU	-49461.80	-272.30	280.74	-2571250.00	-116028.00	120965.00	2-3	46.25	51.984
72	2083.33	1	SLU	-48450.70	-272.30	280.74	-2571250.00	-115750.00	120671.00	2-3	46.25	53.069
73	2142.86	1	SLU	-45795.60	-193.31	199.30	-2571250.00	-115020.00	119897.00	2-3	46.25	56.146
74	2142.86	1	SLU	-44852.00	-193.31	199.30	-2571250.00	-114760.00	119622.00	2-3	46.25	57.327
75	2202.38	1	SLU	-42135.20	-129.30	133.31	-2571250.00	-114011.00	118827.00	2-3	46.25	61.024
76	2202.38	1	SLU	-41259.00	-129.30	133.31	-2571250.00	-113769.00	118571.00	2-3	46.25	62.320
77	2261.90	1	SLU	-38480.10	-79.48	81.94	-2571250.00	-113002.00	117757.00	2-3	46.25	66.820
78	2261.90	1	SLU	-37671.20	-79.48	81.94	-2571250.00	-112778.00	117520.00	2-3	46.25	68.255
79	2321.43	1	SLU	-34829.90	-42.83	44.15	-2571250.00	-111936.00	116720.00	2-3	46.25	73.823
80	2321.43	1	SLU	-34088.20	-42.83	44.15	-2571250.00	-111703.00	116518.00	2-3	46.25	75.429
81	2380.95	1	SLU	-31184.20	-18.19	18.75	-2571250.00	-110786.00	115727.00	2-3	46.25	82.454
82	2380.95	1	SLU	-30509.60	-18.19	18.75	-2571250.00	-110573.00	115543.00	2-3	46.25	84.277
83	2440.48	1	SLU	-27542.40	-4.33	4.47	-2571250.00	-109638.00	114733.00	2-3	46.25	93.356
84	2440.48	1	SLU	-26934.80	-4.33	4.47	-2571250.00	-109446.00	114567.00	2-3	46.25	95.462
85	2500.00	1	SLU	-23904.10	0.00	0.00	-2571250.00					>100
86	2500.00	1	SLU	-23363.40	0.00	0.00	-2571250.00					>100

Stato limite ultimo – Verifiche a taglio

Caso	X <cm>	CC	TCC	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1	0.00	1	SLU	6794.42	1233.96	0.85	11.31	6905.56	1.00	32294.70	357269.00	32294.70	4.677
2	0.00	1	SLU	6794.42	1233.96	0.85	11.31	6905.56	1.00	32294.70	357269.00	32294.70	4.677
3	59.52	1	SLU	1767.37	320.98	0.85	11.31	1796.28	1.00	32294.70	357223.00	32294.70	17.979
4	59.52	1	SLU	1767.37	320.98	0.85	11.31	1796.28	1.00	32294.70	357097.00	32294.70	17.979
5	119.05	1	SLU	-2063.56	-374.77	0.85	11.31	2097.31	1.00	32294.70	356821.00	32294.70	15.398
6	119.05	1	SLU	-2063.56	-374.77	0.85	11.31	2097.31	1.00	32294.70	356513.00	32294.70	15.398
7	178.57	1	SLU	-4860.59	-882.75	0.85	11.31	4940.10	1.00	32294.70	356352.00	32294.70	6.537
8	178.57	1	SLU	-4860.59	-882.75	0.85	11.31	4940.10	1.00	32294.70	355933.00	32294.70	6.537
9	238.09	1	SLU	-6782.40	-1231.78	0.85	11.31	6893.35	1.00	32294.70	355816.00	32294.70	4.685
10	238.09	1	SLU	-6782.40	-1231.78	0.85	11.31	6893.35	1.00	32294.70	355356.00	32294.70	4.685
11	297.62	1	SLU	-7979.31	-1449.16	0.85	11.31	8109.84	1.00	32294.70	355231.00	32294.70	3.982
12	297.62	1	SLU	-7979.31	-1449.16	0.85	11.31	8109.84	1.00	32294.70	354782.00	32294.70	3.982
13	357.14	1	SLU	-8590.01	-1560.07	0.85	11.31	8730.52	1.00	32294.70	354649.00	32294.70	3.699
14	357.14	1	SLU	-8590.01	-1560.07	0.85	11.31	8730.52	1.00	32294.70	354211.00	32294.70	3.699
15	416.67	1	SLU	-8739.44	-1587.21	0.85	11.31	8882.40	1.00	32294.70	354070.00	32294.70	3.636
16	416.67	1	SLU	-8739.44	-1587.21	0.85	11.31	8882.40	1.00	32294.70	353643.00	32294.70	3.636
17	476.19	1	SLU	-8537.81	-1550.59	0.85	11.31	8677.47	1.00	32294.70	353494.00	32294.70	3.722
18	476.19	1	SLU	-8537.81	-1550.59	0.85	11.31	8677.47	1.00	32294.70	353077.00	32294.70	3.722
19	535.71	1	SLU	-8080.32	-1467.50	0.85	11.31	8212.50	1.00	32294.70	352921.00	32294.70	3.932
20	535.71	1	SLU	-8080.32	-1467.50	0.85	11.31	8212.50	1.00	32294.70	352514.00	32294.70	3.932
21	595.24	1	SLU	-7447.48	-1352.57	0.85	11.31	7569.30	1.00	32294.70	352350.00	32294.70	4.267
22	595.24	1	SLU	-7447.48	-1352.57	0.85	11.31	7569.30	1.00	32294.70	351954.00	32294.70	4.267
23	654.76	1	SLU	-6705.92	-1217.89	0.85	11.31	6815.62	1.00	32294.70	351782.00	32294.70	4.738
24	654.76	1	SLU	-6705.92	-1217.89	0.85	11.31	6815.62	1.00	32294.70	351397.00	32294.70	4.738
25	714.29	1	SLU	-5909.49	-1073.25	0.85	11.31	6006.16	1.00	32294.70	351216.00	32294.70	5.377
26	714.29	1	SLU	-5909.49	-1073.25	0.85	11.31	6006.16	1.00	32294.70	350842.00	32294.70	5.377
27	773.81	1	SLU	-5100.52	-926.33	0.85	11.31	5183.95	1.00	32294.70	350653.00	32294.70	6.230
28	773.81	1	SLU	-5100.52	-926.33	0.85	11.31	5183.95	1.00	32294.70	350289.00	32294.70	6.230
29	833.33	1	SLU	-4311.15	-782.97	0.85	11.31	4381.67	1.00	32294.70	350093.00	32294.70	7.370
30	833.33	1	SLU	-4311.15	-782.97	0.85	11.31	4381.67	1.00	32294.70	349739.00	32294.70	7.370
31	892.86	1	SLU	-3564.80	-647.42	0.85	11.31	3623.11	1.00	32294.70	349535.00	32294.70	8.914
32	892.86	1	SLU	-3564.80	-647.42	0.85	11.31	3623.11	1.00	32294.70	349191.00	32294.70	8.914
33	952.38	1	SLU	-2877.46	-522.59	0.85	11.31	2924.53	1.00	32294.70	348979.00	32294.70	11.043
34	952.38	1	SLU	-2877.46	-522.59	0.85	11.31	2924.53	1.00	32294.70	348645.00	32294.70	11.043
35	1011.90	1	SLU	-2259.01	-410.27	0.85	11.31	2295.96	1.00	32294.70	348425.00	32294.70	14.066
36	1011.90	1	SLU	-2259.01	-410.27	0.85	11.31	2295.96	1.00	32294.70	348101.00	32294.70	14.066
37	1071.43	1	SLU	-1714.36	-311.35	0.85	11.31	1742.40	1.00	32294.70	347873.00	32294.70	18.535
38	1071.43	1	SLU	-1714.36	-311.35	0.85	11.31	1742.40	1.00	32294.70	347560.00	32294.70	18.535
39	1130.95	1	SLU	-1244.56	-226.03	0.85	11.31	1264.92	1.00	32294.70	347323.00	32294.70	25.531
40	1130.95	1	SLU	-1244.56	-226.03	0.85	11.31	1264.92	1.00	32294.70	347021.00	32294.70	25.531
41	1190.48	1	SLU	-847.72	-153.96	0.85	11.31	861.58	1.00	32294.70	346776.00	32294.70	37.483
42	1190.48	1	SLU	-847.72	-153.96	0.85	11.31	861.58	1.00	32294.70	346483.00	32294.70	37.483

43	1250.00	1	SLU	-519.79	-94.40	0.85	11.31	528.29	1.00	32294.70	346230.00	32294.70	61.131
44	1250.00	1	SLU	-519.79	-94.40	0.85	11.31	528.29	1.00	32294.70	345947.00	32294.70	61.131
45	1309.52	1	SLU	-255.28	-46.36	0.85	11.31	259.45	1.00	32294.70	345686.00	32294.70	>100
46	1309.52	1	SLU	-255.28	-46.36	0.85	11.31	259.45	1.00	32294.70	345413.00	32294.70	>100
47	1369.05	1	SLU	-47.80	-8.68	0.85	11.31	48.58	1.00	32294.70	345144.00	32294.70	>100
48	1369.05	1	SLU	-47.80	-8.68	0.85	11.31	48.58	1.00	32294.70	344881.00	32294.70	>100
49	1428.57	1	SLU	109.48	19.88	0.85	11.31	111.27	1.00	32294.70	344604.00	32294.70	>100
50	1428.57	1	SLU	109.48	19.88	0.85	11.31	111.27	1.00	32294.70	344351.00	32294.70	>100
51	1488.10	1	SLU	223.45	40.58	0.85	11.31	227.11	1.00	32294.70	344065.00	32294.70	>100
52	1488.10	1	SLU	223.45	40.58	0.85	11.31	227.11	1.00	32294.70	343822.00	32294.70	>100
53	1547.62	1	SLU	300.86	54.64	0.85	11.31	305.78	1.00	32294.70	343528.00	32294.70	>100
54	1547.62	1	SLU	300.86	54.64	0.85	11.31	305.78	1.00	32294.70	343295.00	32294.70	>100
55	1607.14	1	SLU	348.02	63.21	0.85	11.31	353.71	1.00	32294.70	342992.00	32294.70	91.302
56	1607.14	1	SLU	348.02	63.21	0.85	11.31	353.71	1.00	32294.70	342769.00	32294.70	91.302
57	1666.67	1	SLU	370.77	67.34	0.85	11.31	376.83	1.00	32294.70	342458.00	32294.70	85.701
58	1666.67	1	SLU	370.77	67.34	0.85	11.31	376.83	1.00	32294.70	342245.00	32294.70	85.701
59	1726.19	1	SLU	374.32	67.98	0.85	11.31	380.44	1.00	32294.70	341925.00	32294.70	84.888
60	1726.19	1	SLU	374.32	67.98	0.85	11.31	380.44	1.00	32294.70	341722.00	32294.70	84.888
61	1785.71	1	SLU	363.25	65.97	0.85	11.31	369.19	1.00	32294.70	341394.00	32294.70	87.473
62	1785.71	1	SLU	363.25	65.97	0.85	11.31	369.19	1.00	32294.70	341200.00	32294.70	87.473
63	1845.24	1	SLU	341.52	62.02	0.85	11.31	347.11	1.00	32294.70	340863.00	32294.70	93.040
64	1845.24	1	SLU	341.52	62.02	0.85	11.31	347.11	1.00	32294.70	340679.00	32294.70	93.040
65	1904.76	1	SLU	312.44	56.74	0.85	11.31	317.55	1.00	32294.70	340334.00	32294.70	>100
66	1904.76	1	SLU	312.44	56.74	0.85	11.31	317.55	1.00	32294.70	340160.00	32294.70	>100
67	1964.29	1	SLU	278.73	50.62	0.85	11.31	283.29	1.00	32294.70	339806.00	32294.70	>100
68	1964.29	1	SLU	278.73	50.62	0.85	11.31	283.29	1.00	32294.70	339642.00	32294.70	>100
69	2023.81	1	SLU	242.60	44.06	0.85	11.31	246.56	1.00	32294.70	339279.00	32294.70	>100
70	2023.81	1	SLU	242.60	44.06	0.85	11.31	246.56	1.00	32294.70	339124.00	32294.70	>100
71	2083.33	1	SLU	205.75	37.37	0.85	11.31	209.12	1.00	32294.70	338753.00	32294.70	>100
72	2083.33	1	SLU	205.75	37.37	0.85	11.31	209.12	1.00	32294.70	338608.00	32294.70	>100
73	2142.86	1	SLU	169.49	30.78	0.85	11.31	172.26	1.00	32294.70	338228.00	32294.70	>100
74	2142.86	1	SLU	169.49	30.78	0.85	11.31	172.26	1.00	32294.70	338093.00	32294.70	>100
75	2202.38	1	SLU	134.76	24.47	0.85	11.31	136.97	1.00	32294.70	337704.00	32294.70	>100
76	2202.38	1	SLU	134.76	24.47	0.85	11.31	136.97	1.00	32294.70	337578.00	32294.70	>100
77	2261.90	1	SLU	102.22	18.56	0.85	11.31	103.89	1.00	32294.70	337180.00	32294.70	>100
78	2261.90	1	SLU	102.22	18.56	0.85	11.31	103.89	1.00	32294.70	337064.00	32294.70	>100
79	2321.43	1	SLU	72.28	13.13	0.85	11.31	73.46	1.00	32294.70	336657.00	32294.70	>100
80	2321.43	1	SLU	72.28	13.13	0.85	11.31	73.46	1.00	32294.70	336551.00	32294.70	>100
81	2380.95	1	SLU	45.20	8.21	0.85	11.31	45.94	1.00	32294.70	336135.00	32294.70	>100
82	2380.95	1	SLU	45.20	8.21	0.85	11.31	45.94	1.00	32294.70	336038.00	32294.70	>100
83	2440.48	1	SLU	21.09	3.83	0.85	11.31	21.43	1.00	32294.70	335613.00	32294.70	>100
84	2440.48	1	SLU	21.09	3.83	0.85	11.31	21.43	1.00	32294.70	335526.00	32294.70	>100

Verifiche stato limite d'esercizio

Caso	X <cm>	CC	TCC	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ_c <daN/cmq>	σ_f <daN/cmq>
87	0.00	2	SLE R	-132393.00	-28863.20	27995.70	28.27	50.27	34.26	480.08
88	0.00	2	SLE R	-132393.00	-28863.20	27995.70	28.27	50.27	34.26	480.08
89	59.52	2	SLE R	-132069.00	-30206.00	29298.20	28.27	50.27	35.85	501.14
90	59.52	2	SLE R	-131736.00	-30206.00	29298.20	28.27	50.27	35.85	501.10
91	119.05	2	SLE R	-129266.00	-30128.40	29223.00	28.27	50.27	35.77	499.58
92	119.05	2	SLE R	-128754.00	-30128.40	29223.00	31.42	47.12	35.78	499.53
93	178.57	2	SLE R	-126294.00	-28989.20	28118.00	28.27	50.27	34.41	480.90
94	178.57	2	SLE R	-125790.00	-28989.20	28118.00	28.27	50.27	34.41	480.83
95	238.09	2	SLE R	-123337.00	-27095.30	26281.00	28.27	50.27	32.16	450.45
96	238.09	2	SLE R	-122841.00	-27095.30	26281.00	28.27	50.27	32.16	450.33
97	297.62	2	SLE R	-120397.00	-24703.50	23961.10	28.27	50.27	29.40	413.23
98	297.62	2	SLE R	-119907.00	-24703.50	23961.10	28.27	50.27	29.40	413.03
99	357.14	2	SLE R	-117472.00	-22024.70	21362.80	21.99	56.55	26.48	373.56
100	357.14	2	SLE R	-116989.00	-22024.70	21362.80	21.99	56.55	26.46	373.27
101	416.67	2	SLE R	-114562.00	-19226.70	18648.90	21.99	56.55	23.62	334.73
102	416.67	2	SLE R	-114086.00	-19226.70	18648.90	21.99	56.55	23.60	334.34
103	476.19	2	SLE R	-111666.00	-16439.80	15945.80	15.71	62.83	21.00	298.90
104	476.19	2	SLE R	-111197.00	-16439.80	15945.80	15.71	62.83	20.97	298.42
105	535.71	2	SLE R	-108785.00	-13761.40	13347.80	3.14	75.40	18.69	267.04
106	535.71	2	SLE R	-108323.00	-13761.40	13347.80	3.14	75.40	18.65	266.50
107	595.24	2	SLE R	-105917.00	-11260.20	10921.80	0.00	78.54	16.65	238.90
108	595.24	2	SLE R	-105462.00	-11260.20	10921.80	0.00	78.54	16.61	238.35
109	654.76	2	SLE R	-103063.00	-8981.72	8711.80	0.00	78.54	14.79	213.21
110	654.76	2	SLE R	-102614.00	-8981.72	8711.80	0.00	78.54	14.75	212.66
111	714.29	2	SLE R	-100222.00	-6951.88	6742.95	0.00	78.54	13.11	189.96
112	714.29	2	SLE R	-99779.70	-6951.88	6742.95	0.00	78.54	13.07	189.42
113	773.81	2	SLE R	-97393.60	-5181.23	5025.52	0.00	78.54	11.62	169.25
114	773.81	2	SLE R	-96957.90	-5181.23	5025.52	0.00	78.54	11.58	168.72
115	833.33	2	SLE R	-94577.60	-3668.38	3558.14	0.00	78.54	10.31	151.07
116	833.33	2	SLE R	-94148.40	-3668.38	3558.14	0.00	78.54	10.27	150.55
117	892.86	2	SLE R	-91773.60	-2403.06	2330.84	0.00	78.54	9.18	135.32

118	892.86	2	SLE R	-91350.80	-2403.06	2330.84	0.00	78.54	9.14	134.80
119	952.38	2	SLE R	-88981.30	-1368.66	1327.53	0.00	78.54	8.21	121.83
120	952.38	2	SLE R	-88564.90	-1368.66	1327.53	0.00	78.54	8.18	121.32
121	1011.90	2	SLE R	-86200.20	-544.47	528.11	0.00	78.54	7.40	110.41
122	1011.90	2	SLE R	-85790.20	-544.47	528.11	0.00	78.54	7.36	109.91
123	1071.43	2	SLE R	-83430.10	92.57	-89.79	0.00	78.54	6.85	102.63
124	1071.43	2	SLE R	-83026.40	92.57	-89.79	0.00	78.54	6.81	102.14
125	1130.95	2	SLE R	-80670.60	566.47	-549.45	0.00	78.54	6.96	103.91
126	1130.95	2	SLE R	-80273.10	566.47	-549.45	0.00	78.54	6.93	103.43
127	1190.48	2	SLE R	-77921.40	901.07	-874.00	0.00	78.54	6.98	103.84
128	1190.48	2	SLE R	-77530.00	901.07	-874.00	0.00	78.54	6.95	103.36
129	1250.00	2	SLE R	-75182.00	1119.24	-1085.60	0.00	78.54	6.91	102.64
130	1250.00	2	SLE R	-74796.80	1119.24	-1085.60	0.00	78.54	6.88	102.17
131	1309.52	2	SLE R	-72452.10	1242.28	-1204.94	0.00	78.54	6.78	100.52
132	1309.52	2	SLE R	-72073.00	1242.28	-1204.94	0.00	78.54	6.75	100.06
133	1369.05	2	SLE R	-69731.50	1289.58	-1250.83	0.00	78.54	6.59	97.66
134	1369.05	2	SLE R	-69358.40	1289.58	-1250.83	0.00	78.54	6.56	97.21
135	1428.57	2	SLE R	-67019.70	1278.41	-1239.99	0.00	78.54	6.36	94.25
136	1428.57	2	SLE R	-66652.60	1278.41	-1239.99	0.00	78.54	6.33	93.80
137	1488.10	2	SLE R	-64316.50	1223.79	-1187.02	0.00	78.54	6.10	90.42
138	1488.10	2	SLE R	-63955.30	1223.79	-1187.02	0.00	78.54	6.07	89.98
139	1547.62	2	SLE R	-61621.40	1138.57	-1104.36	0.00	78.54	5.82	86.30
140	1547.62	2	SLE R	-61266.10	1138.57	-1104.36	0.00	78.54	5.79	85.86
141	1607.14	2	SLE R	-58934.10	1033.48	-1002.42	0.00	78.54	5.53	81.99
142	1607.14	2	SLE R	-58584.70	1033.48	-1002.42	0.00	78.54	5.50	81.56
143	1666.67	2	SLE R	-56254.30	917.29	-889.73	0.00	78.54	5.23	77.58
144	1666.67	2	SLE R	-55910.70	917.29	-889.73	0.00	78.54	5.20	77.16
145	1726.19	2	SLE R	-53581.60	797.01	-773.06	0.00	78.54	4.92	73.14
146	1726.19	2	SLE R	-53243.80	797.01	-773.06	0.00	78.54	4.90	72.73
147	1785.71	2	SLE R	-50915.80	678.05	-657.67	0.00	78.54	4.62	68.73
148	1785.71	2	SLE R	-50583.70	678.05	-657.67	0.00	78.54	4.60	68.32
149	1845.24	2	SLE R	-48256.40	564.46	-547.49	0.00	78.54	4.33	64.37
150	1845.24	2	SLE R	-47930.00	564.46	-547.49	0.00	78.54	4.30	63.97
151	1904.76	2	SLE R	-45603.10	459.12	-445.32	0.00	78.54	4.03	60.10
152	1904.76	2	SLE R	-45282.40	459.12	-445.32	0.00	78.54	4.01	59.71
153	1964.29	2	SLE R	-42955.70	363.95	-353.01	0.00	78.54	3.75	55.94
154	1964.29	2	SLE R	-42640.50	363.95	-353.01	0.00	78.54	3.73	55.56
155	2023.81	2	SLE R	-40313.70	280.06	-271.64	0.00	78.54	3.48	51.90
156	2023.81	2	SLE R	-40004.00	280.06	-271.64	0.00	78.54	3.45	51.52
157	2083.33	2	SLE R	-37676.80	207.95	-201.70	0.00	78.54	3.21	47.98
158	2083.33	2	SLE R	-37372.60	207.95	-201.70	0.00	78.54	3.19	47.61
159	2142.86	2	SLE R	-35044.60	147.63	-143.19	0.00	78.54	2.95	44.18
160	2142.86	2	SLE R	-34746.00	147.63	-143.19	0.00	78.54	2.93	43.81
161	2202.38	2	SLE R	-32417.00	98.75	-95.78	0.00	78.54	2.71	40.49
162	2202.38	2	SLE R	-32123.80	98.75	-95.78	0.00	78.54	2.68	40.13
163	2261.90	2	SLE R	-29793.40	60.70	-58.87	0.00	78.54	2.47	36.92
164	2261.90	2	SLE R	-29505.60	60.70	-58.87	0.00	78.54	2.44	36.57
165	2321.43	2	SLE R	-27173.70	32.71	-31.72	0.00	78.54	2.23	33.45
166	2321.43	2	SLE R	-26891.20	32.71	-31.72	0.00	78.54	2.21	33.11
167	2380.95	2	SLE R	-24557.30	13.89	-13.47	0.00	78.54	2.01	30.08
168	2380.95	2	SLE R	-24280.30	13.89	-13.47	0.00	78.54	1.98	29.74
169	2440.48	2	SLE R	-21944.10	3.31	-3.21	0.00	78.54	1.79	26.79
170	2440.48	2	SLE R	-21672.40	3.31	-3.21	0.00	78.54	1.76	26.46
171	2500.00	2	SLE R	-19333.70	0.00	0.00	0.00	78.54	1.57	23.57
172	2500.00	2	SLE R	-19067.20	0.00	0.00	0.00	78.54	1.55	23.25
173	0.00	4	SLE Q	-132393.00	-28863.20	27995.70	28.27	50.27	34.26	480.08
174	0.00	4	SLE Q	-132393.00	-28863.20	27995.70	28.27	50.27	34.26	480.08
175	59.52	4	SLE Q	-132069.00	-30206.00	29298.20	28.27	50.27	35.85	501.14
176	59.52	4	SLE Q	-131736.00	-30206.00	29298.20	28.27	50.27	35.85	501.10
177	119.05	4	SLE Q	-129266.00	-30128.40	29223.00	28.27	50.27	35.77	499.58
178	119.05	4	SLE Q	-128754.00	-30128.40	29223.00	31.42	47.12	35.78	499.53
179	178.57	4	SLE Q	-126294.00	-28989.20	28118.00	28.27	50.27	34.41	480.90
180	178.57	4	SLE Q	-125790.00	-28989.20	28118.00	28.27	50.27	34.41	480.83
181	238.09	4	SLE Q	-123337.00	-27095.30	26281.00	28.27	50.27	32.16	450.45
182	238.09	4	SLE Q	-122841.00	-27095.30	26281.00	28.27	50.27	32.16	450.33
183	297.62	4	SLE Q	-120397.00	-24703.50	23961.10	28.27	50.27	29.40	413.23
184	297.62	4	SLE Q	-119907.00	-24703.50	23961.10	28.27	50.27	29.40	413.03
185	357.14	4	SLE Q	-117472.00	-22024.70	21362.80	21.99	56.55	26.48	373.56
186	357.14	4	SLE Q	-116989.00	-22024.70	21362.80	21.99	56.55	26.46	373.27
187	416.67	4	SLE Q	-114562.00	-19226.70	18648.90	21.99	56.55	23.62	334.73
188	416.67	4	SLE Q	-114086.00	-19226.70	18648.90	21.99	56.55	23.60	334.34
189	476.19	4	SLE Q	-111666.00	-16439.80	15945.80	15.71	62.83	21.00	298.90
190	476.19	4	SLE Q	-111197.00	-16439.80	15945.80	15.71	62.83	20.97	298.42
191	535.71	4	SLE Q	-108785.00	-13761.40	13347.80	3.14	75.40	18.69	267.04
192	535.71	4	SLE Q	-108323.00	-13761.40	13347.80	3.14	75.40	18.65	266.50
193	595.24	4	SLE Q	-105917.00	-11260.20	10921.80	0.00	78.54	16.65	238.90

194	595.24	4	SLE Q	-105462.00	-11260.20	10921.80	0.00	78.54	16.61	238.35
195	654.76	4	SLE Q	-103063.00	-8981.72	8711.80	0.00	78.54	14.79	213.21
196	654.76	4	SLE Q	-102614.00	-8981.72	8711.80	0.00	78.54	14.75	212.66
197	714.29	4	SLE Q	-100222.00	-6951.88	6742.95	0.00	78.54	13.11	189.96
198	714.29	4	SLE Q	-99779.70	-6951.88	6742.95	0.00	78.54	13.07	189.42
199	773.81	4	SLE Q	-97393.60	-5181.23	5025.52	0.00	78.54	11.62	169.25
200	773.81	4	SLE Q	-96957.90	-5181.23	5025.52	0.00	78.54	11.58	168.72
201	833.33	4	SLE Q	-94577.60	-3668.38	3558.14	0.00	78.54	10.31	151.07
202	833.33	4	SLE Q	-94148.40	-3668.38	3558.14	0.00	78.54	10.27	150.55
203	892.86	4	SLE Q	-91773.60	-2403.06	2330.84	0.00	78.54	9.18	135.32
204	892.86	4	SLE Q	-91350.80	-2403.06	2330.84	0.00	78.54	9.14	134.80
205	952.38	4	SLE Q	-88981.30	-1368.66	1327.53	0.00	78.54	8.21	121.83
206	952.38	4	SLE Q	-88564.90	-1368.66	1327.53	0.00	78.54	8.18	121.32
207	1011.90	4	SLE Q	-86200.20	-544.47	528.11	0.00	78.54	7.40	110.41
208	1011.90	4	SLE Q	-85790.20	-544.47	528.11	0.00	78.54	7.36	109.91
209	1071.43	4	SLE Q	-83430.10	92.57	-89.79	0.00	78.54	6.85	102.63
210	1071.43	4	SLE Q	-83026.40	92.57	-89.79	0.00	78.54	6.81	102.14
211	1130.95	4	SLE Q	-80670.60	566.47	-549.45	0.00	78.54	6.96	103.91
212	1130.95	4	SLE Q	-80273.10	566.47	-549.45	0.00	78.54	6.93	103.43
213	1190.48	4	SLE Q	-77921.40	901.07	-874.00	0.00	78.54	6.98	103.84
214	1190.48	4	SLE Q	-77530.00	901.07	-874.00	0.00	78.54	6.95	103.36
215	1250.00	4	SLE Q	-75182.00	1119.24	-1085.60	0.00	78.54	6.91	102.64
216	1250.00	4	SLE Q	-74796.80	1119.24	-1085.60	0.00	78.54	6.88	102.17
217	1309.52	4	SLE Q	-72452.10	1242.28	-1204.94	0.00	78.54	6.78	100.52
218	1309.52	4	SLE Q	-72073.00	1242.28	-1204.94	0.00	78.54	6.75	100.06
219	1369.05	4	SLE Q	-69731.50	1289.58	-1250.83	0.00	78.54	6.59	97.66
220	1369.05	4	SLE Q	-69358.40	1289.58	-1250.83	0.00	78.54	6.56	97.21
221	1428.57	4	SLE Q	-67019.70	1278.41	-1239.99	0.00	78.54	6.36	94.25
222	1428.57	4	SLE Q	-66652.60	1278.41	-1239.99	0.00	78.54	6.33	93.80
223	1488.10	4	SLE Q	-64316.50	1223.79	-1187.02	0.00	78.54	6.10	90.42
224	1488.10	4	SLE Q	-63955.30	1223.79	-1187.02	0.00	78.54	6.07	89.98
225	1547.62	4	SLE Q	-61621.40	1138.57	-1104.36	0.00	78.54	5.82	86.30
226	1547.62	4	SLE Q	-61266.10	1138.57	-1104.36	0.00	78.54	5.79	85.86
227	1607.14	4	SLE Q	-58934.10	1033.48	-1002.42	0.00	78.54	5.53	81.99
228	1607.14	4	SLE Q	-58584.70	1033.48	-1002.42	0.00	78.54	5.50	81.56
229	1666.67	4	SLE Q	-56254.30	917.29	-889.73	0.00	78.54	5.23	77.58
230	1666.67	4	SLE Q	-55910.70	917.29	-889.73	0.00	78.54	5.20	77.16
231	1726.19	4	SLE Q	-53581.60	797.01	-773.06	0.00	78.54	4.92	73.14
232	1726.19	4	SLE Q	-53243.80	797.01	-773.06	0.00	78.54	4.90	72.73
233	1785.71	4	SLE Q	-50915.80	678.05	-657.67	0.00	78.54	4.62	68.73
234	1785.71	4	SLE Q	-50583.70	678.05	-657.67	0.00	78.54	4.60	68.32
235	1845.24	4	SLE Q	-48256.40	564.46	-547.49	0.00	78.54	4.33	64.37
236	1845.24	4	SLE Q	-47930.00	564.46	-547.49	0.00	78.54	4.30	63.97
237	1904.76	4	SLE Q	-45603.10	459.12	-445.32	0.00	78.54	4.03	60.10
238	1904.76	4	SLE Q	-45282.40	459.12	-445.32	0.00	78.54	4.01	59.71
239	1964.29	4	SLE Q	-42955.70	363.95	-353.01	0.00	78.54	3.75	55.94
240	1964.29	4	SLE Q	-42640.50	363.95	-353.01	0.00	78.54	3.73	55.56
241	2023.81	4	SLE Q	-40313.70	280.06	-271.64	0.00	78.54	3.48	51.90
242	2023.81	4	SLE Q	-40004.00	280.06	-271.64	0.00	78.54	3.45	51.52
243	2083.33	4	SLE Q	-37676.80	207.95	-201.70	0.00	78.54	3.21	47.98
244	2083.33	4	SLE Q	-37372.60	207.95	-201.70	0.00	78.54	3.19	47.61
245	2142.86	4	SLE Q	-35044.60	147.63	-143.19	0.00	78.54	2.95	44.18
246	2142.86	4	SLE Q	-34746.00	147.63	-143.19	0.00	78.54	2.93	43.81
247	2202.38	4	SLE Q	-32417.00	98.75	-95.78	0.00	78.54	2.71	40.49
248	2202.38	4	SLE Q	-32123.80	98.75	-95.78	0.00	78.54	2.68	40.13
249	2261.90	4	SLE Q	-29793.40	60.70	-58.87	0.00	78.54	2.47	36.92
250	2261.90	4	SLE Q	-29505.60	60.70	-58.87	0.00	78.54	2.44	36.57
251	2321.43	4	SLE Q	-27173.70	32.71	-31.72	0.00	78.54	2.23	33.45
252	2321.43	4	SLE Q	-26891.20	32.71	-31.72	0.00	78.54	2.21	33.11
253	2380.95	4	SLE Q	-24557.30	13.89	-13.47	0.00	78.54	2.01	30.08
254	2380.95	4	SLE Q	-24280.30	13.89	-13.47	0.00	78.54	1.98	29.74
255	2440.48	4	SLE Q	-21944.10	3.31	-3.21	0.00	78.54	1.79	26.79
256	2440.48	4	SLE Q	-21672.40	3.31	-3.21	0.00	78.54	1.76	26.46
257	2500.00	4	SLE Q	-19333.70	0.00	0.00	0.00	78.54	1.57	23.57
258	2500.00	4	SLE Q	-19067.20	0.00	0.00	0.00	78.54	1.55	23.25

Stato limite d'esercizio – Verifiche a fessurazione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	c <mm>	s <mm>	K_2	Φ_{eq}	Δ_{sm} <mm>	A_s <cmq>	$A_{c\ eff}$ <cmq>	σ_s <daN/cmq>	ε_{sm}	Wk <mm>
173	0.00	4	SLE Q	-132393.00	27995.70	-28863.20	46.00	136.36	0.50	20.00	173.35	15.71	638.89	208.93	0.06	0.02
174	0.00	4	SLE Q	-132393.00	27995.70	-28863.20	46.00	136.36	0.50	20.00	173.35	15.71	638.89	208.93	0.06	0.02
175	59.52	4	SLE Q	-132069.00	29298.20	-30206.00	46.00	136.36	0.50	20.00	181.85	15.71	705.65	244.75	0.07	0.02
176	59.52	4	SLE Q	-131736.00	29298.20	-30206.00	46.00	136.36	0.50	20.00	182.30	15.71	709.18	246.16	0.07	0.02
177	119.05	4	SLE Q	-129266.00	29223.00	-30128.40	46.00	136.36	0.50	20.00	185.21	15.71	732.09	254.81	0.07	0.02
178	119.05	4	SLE Q	-128754.00	29223.00	-30128.40	46.00	136.36	0.50	20.00	185.88	15.71	737.36	257.08	0.07	0.02
179	178.57	4	SLE Q	-126294.00	28118.00	-28989.20	46.00	136.36	0.50	20.00	182.49	15.71	710.68	236.83	0.07	0.02
180	178.57	4	SLE Q	-125790.00	28118.00	-28989.20	46.00	136.36	0.50	20.00	183.20	15.71	716.28	239.00	0.07	0.02

181	238.09	4	SLE Q	-123337.00	26281.00	-27095.30	46.00	136.36	0.50	20.00	174.69	15.71	649.48	199.77	0.06	0.02
182	238.09	4	SLE Q	-122841.00	26281.00	-27095.30	46.00	136.36	0.50	20.00	175.41	15.71	655.09	201.71	0.06	0.02
183	297.62	4	SLE Q	-120397.00	23961.10	-24703.50	46.00	136.36	0.50	20.00	180.47	12.57	555.90	153.66	0.04	0.01
184	297.62	4	SLE Q	-119907.00	23961.10	-24703.50	46.00	136.36	0.50	20.00	181.35	12.57	561.41	155.29	0.05	0.01
185	357.14	4	SLE Q	-117472.00	21362.80	-22024.70	46.00	136.36	0.50	20.00	184.82	9.42	437.40	106.81	0.03	0.01
186	357.14	4	SLE Q	-116989.00	21362.80	-22024.70	46.00	136.36	0.50	20.00	185.93	9.42	442.65	108.11	0.03	0.01
187	416.67	4	SLE Q	-114562.00	18648.90	-19226.70	46.00	136.36	0.50	20.00	156.19	9.42	302.50	64.74	0.02	0.01
188	416.67	4	SLE Q	-114086.00	18648.90	-19226.70	46.00	136.36	0.50	20.00	157.22	9.42	307.34	65.74	0.02	0.01
190	476.19	4	SLE Q	-111197.00	15945.80	-16439.80	46.00	136.36	0.50	20.00	198.04	3.14	166.57	30.77	0.01	0.00
259	0.00	3	SLE F	-132393.00	27995.70	-28863.20	46.00	136.36	0.50	20.00	173.35	15.71	638.89	208.93	0.06	0.02
260	0.00	3	SLE F	-132393.00	27995.70	-28863.20	46.00	136.36	0.50	20.00	173.35	15.71	638.89	208.93	0.06	0.02
261	59.52	3	SLE F	-132069.00	29298.20	-30206.00	46.00	136.36	0.50	20.00	181.85	15.71	705.65	244.75	0.07	0.02
262	59.52	3	SLE F	-131736.00	29298.20	-30206.00	46.00	136.36	0.50	20.00	182.30	15.71	709.18	246.16	0.07	0.02
263	119.05	3	SLE F	-129266.00	29223.00	-30128.40	46.00	136.36	0.50	20.00	185.21	15.71	732.09	254.81	0.07	0.02
264	119.05	3	SLE F	-128754.00	29223.00	-30128.40	46.00	136.36	0.50	20.00	185.88	15.71	737.36	257.08	0.07	0.02
265	178.57	3	SLE F	-126294.00	28118.00	-28989.20	46.00	136.36	0.50	20.00	182.49	15.71	710.68	236.83	0.07	0.02
266	178.57	3	SLE F	-125790.00	28118.00	-28989.20	46.00	136.36	0.50	20.00	183.20	15.71	716.28	239.00	0.07	0.02
267	238.09	3	SLE F	-123337.00	26281.00	-27095.30	46.00	136.36	0.50	20.00	174.69	15.71	649.48	199.77	0.06	0.02
268	238.09	3	SLE F	-122841.00	26281.00	-27095.30	46.00	136.36	0.50	20.00	175.41	15.71	655.09	201.71	0.06	0.02
269	297.62	3	SLE F	-120397.00	23961.10	-24703.50	46.00	136.36	0.50	20.00	180.47	12.57	555.90	153.66	0.04	0.01
270	297.62	3	SLE F	-119907.00	23961.10	-24703.50	46.00	136.36	0.50	20.00	181.35	12.57	561.41	155.29	0.05	0.01
271	357.14	3	SLE F	-117472.00	21362.80	-22024.70	46.00	136.36	0.50	20.00	184.82	9.42	437.40	106.81	0.03	0.01
272	357.14	3	SLE F	-116989.00	21362.80	-22024.70	46.00	136.36	0.50	20.00	185.93	9.42	442.65	108.11	0.03	0.01
273	416.67	3	SLE F	-114562.00	18648.90	-19226.70	46.00	136.36	0.50	20.00	156.19	9.42	302.50	64.74	0.02	0.01
274	416.67	3	SLE F	-114086.00	18648.90	-19226.70	46.00	136.36	0.50	20.00	157.22	9.42	307.34	65.74	0.02	0.01
276	476.19	3	SLE F	-111197.00	15945.80	-16439.80	46.00	136.36	0.50	20.00	198.04	3.14	166.57	30.77	0.01	0.00

Verifiche principali

Caso	Tipo
6	SLU N cost - min. sic.
15	SLU Taglio - min. sic. c.a.,SLU Taglio - min. sic. acciaio
89	C.Rare - Sf min (max compr.)
90	C.Rare - Sc min (max compr.)
92	C.Rare - Sf max (max traz.)
108	C.Rare - Sc max (min. compr.)
175	C.Q.Per. - Sf min (max compr.)
176	C.Q.Per. - Sc min (max compr.)
178	C.Q.Per. - Sf max (max traz.),C.Q.Per. - Wk Max
194	C.Q.Per. - Sc max (min. compr.)
264	C.Freq - Wk Max

Palo n. 30

Caratteristiche del palo e dei materiali utilizzati

R <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
60.00	6.00	C30/37	307.10	20.59	174.02	13.73	B450C	4300.00	3913.04

Le sollecitazioni nei pali vengono calcolate oltre che per l'effetto delle reazioni vincolari anche considerando i seguenti effetti

Azioni ed effetti comuni

Az	N <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
PP	0.00	0.00	0.00	
SVR	0.00			

Azioni ed effetti - Plinto/Palo n. 30 (-45)

Caso	CC	TCC	Az	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	RVN	134611.00	7113.33	1164.58	46200.40	28298.20
	1	SLU	TAG				0.00	0.00
	1	SLU	ECC				0.00	0.00
	1	SLU	TOT	134611.00	7113.33	1164.58	46200.40	28298.20
2	2	SLE R	RVN	99712.00	5269.13	862.65	34222.50	20961.70
	2	SLE R	TAG				0.00	0.00
	2	SLE R	ECC				0.00	0.00
	2	SLE R	TOT	99712.00	5269.13	862.65	34222.50	20961.70
3	3	SLE F	RVN	99712.00	5269.13	862.65	34222.50	20961.70
	3	SLE F	TAG				0.00	0.00
	3	SLE F	ECC				0.00	0.00
	3	SLE F	TOT	99712.00	5269.13	862.65	34222.50	20961.70
4	4	SLE Q	RVN	99712.00	5269.13	862.65	34222.50	20961.70
	4	SLE Q	TAG				0.00	0.00
	4	SLE Q	ECC				0.00	0.00
	4	SLE Q	TOT	99712.00	5269.13	862.65	34222.50	20961.70

Sollecitazioni nei pali

Caso	CC	TCC	Palo	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	1	-134611.00	-7113.33	-1164.58	-46200.40	-28298.20
2	2	SLE R	1	-99712.00	-5269.13	-862.65	-34222.50	-20961.70
3	3	SLE F	1	-99712.00	-5269.13	-862.65	-34222.50	-20961.70
4	4	SLE Q	1	-99712.00	-5269.13	-862.65	-34222.50	-20961.70

Da 0 a -25

Stato limite ultimo - Verifiche a flessione/pressoflessione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	Rott.	α <grad>	Sic.
1	0.00	1	SLU	-134611.00	45711.60	-27998.80	-134611.00	171675.00	-103787.00	2-3	211.25	3.742
2	0.00	1	SLU	-134611.00	45711.60	-27998.80	-134611.00	171675.00	-103787.00	2-3	211.25	3.742
3	59.52	1	SLU	-134287.00	48008.50	-29405.70	-134287.00	171575.00	-103725.00	2-3	211.25	3.561
4	59.52	1	SLU	-133928.00	48008.50	-29405.70	-133928.00	171464.00	-103656.00	2-3	211.25	3.559
5	119.05	1	SLU	-131484.00	48007.20	-29404.90	-131484.00	170709.00	-103185.00	2-3	211.25	3.543
6	119.05	1	SLU	-130894.00	48007.20	-29404.90	-130894.00	170527.00	-103072.00	2-3	211.25	3.539
7	178.57	1	SLU	-128458.00	46283.60	-28349.20	-128458.00	169773.00	-102603.00	2-3	211.25	3.655
8	178.57	1	SLU	-127877.00	46283.60	-28349.20	-127877.00	169594.00	-102491.00	2-3	211.25	3.651
9	238.09	1	SLU	-125448.00	43331.10	-26540.70	-125448.00	168841.00	-102021.00	2-3	211.25	3.882
10	238.09	1	SLU	-124877.00	43331.10	-26540.70	-124877.00	168663.00	-101911.00	2-3	211.25	3.878
11	297.62	1	SLU	-122454.00	39563.40	-24233.00	-122454.00	167910.00	-101441.00	2-3	211.25	4.228
12	297.62	1	SLU	-121892.00	39563.40	-24233.00	-121892.00	167735.00	-101332.00	2-3	211.25	4.224
13	357.14	1	SLU	-119476.00	35320.10	-21634.00	-119476.00	166984.00	-100864.00	2-3	211.25	4.710
14	357.14	1	SLU	-118923.00	35320.10	-21634.00	-118923.00	166812.00	-100757.00	2-3	211.25	4.705
15	416.67	1	SLU	-116513.00	30872.70	-18909.80	-116513.00	166061.00	-100290.00	2-3	211.25	5.358
16	416.67	1	SLU	-115968.00	30872.70	-18909.80	-115968.00	165891.00	-100183.00	2-3	211.25	5.353
17	476.19	1	SLU	-113565.00	26431.70	-16189.70	-113565.00	165091.00	-99758.70	2-3	211.25	6.223
18	476.19	1	SLU	-113029.00	26431.70	-16189.70	-113029.00	164909.00	-99667.80	2-3	211.25	6.217
19	535.71	1	SLU	-110631.00	22155.00	-13570.20	-110631.00	164091.00	-99261.00	2-3	211.25	7.382
20	535.71	1	SLU	-110104.00	22155.00	-13570.20	-110104.00	163911.00	-99171.40	2-3	211.25	7.374
21	595.24	1	SLU	-107712.00	18155.00	-11120.10	-107712.00	163096.00	-98764.50	2-3	211.25	8.956
22	595.24	1	SLU	-107193.00	18155.00	-11120.10	-107193.00	162919.00	-98676.20	2-3	211.25	8.947
23	654.76	1	SLU	-104806.00	14505.70	-8884.90	-104806.00	162099.00	-98271.30	2-3	211.25	11.144
24	654.76	1	SLU	-104295.00	14505.70	-8884.90	-104295.00	161923.00	-98184.60	2-3	211.25	11.132
25	714.29	1	SLU	-101913.00	11250.40	-6890.97	-101913.00	161104.00	-97779.80	2-3	211.25	14.284
26	714.29	1	SLU	-101411.00	11250.40	-6890.97	-101411.00	160931.00	-97694.40	2-3	211.25	14.270
27	773.81	1	SLU	-99033.10	8407.06	-5149.42	-99033.10	160114.00	-97289.40	2-3	211.25	19.004
28	773.81	1	SLU	-98539.40	8407.06	-5149.42	-98539.40	159944.00	-97205.20	2-3	211.25	18.985
29	833.33	1	SLU	-96165.90	5974.62	-3659.52	-96165.90	159124.00	-96801.20	2-3	211.25	26.584
30	833.33	1	SLU	-95680.50	5974.62	-3659.52	-95680.50	158956.00	-96718.80	2-3	211.25	26.557
31	892.86	1	SLU	-93310.90	3937.41	-2411.71	-2571250.00	158136.00	-96316.60	2-3	211.25	27.556
32	892.86	1	SLU	-92833.80	3937.41	-2411.71	-2571250.00	157971.00	-96235.70	2-3	211.25	27.697
33	952.38	1	SLU	-90467.80	2269.54	-1390.12	-2571250.00	157149.00	-95831.10	2-3	211.25	28.422
34	952.38	1	SLU	-89998.80	2269.54	-1390.12	-2571250.00	156989.00	-95738.10	2-3	211.25	28.570
35	1011.90	1	SLU	-87636.10	938.36	-574.76	-2571250.00	156190.00	-95246.20	2-3	211.25	29.340
36	1011.90	1	SLU	-87175.30	938.36	-574.76	-2571250.00	156033.00	-95149.50	2-3	211.25	29.495
37	1071.43	1	SLU	-84815.60	-92.67	56.76	-2571250.00	-155311.00	94061.70	2-3	31.25	30.316
38	1071.43	1	SLU	-84362.80	-92.67	56.76	-2571250.00	-155160.00	93967.80	2-3	31.25	30.479
39	1130.95	1	SLU	-82005.80	-861.71	527.81	-2571250.00	-154375.00	93479.20	2-3	31.25	31.355
40	1130.95	1	SLU	-81561.00	-861.71	527.81	-2571250.00	-154227.00	93387.00	2-3	31.25	31.525
41	1190.48	1	SLU	-79206.40	-1406.76	861.66	-2571250.00	-153440.00	92896.90	2-3	31.25	32.463
42	1190.48	1	SLU	-78769.60	-1406.76	861.66	-2571250.00	-153294.00	92805.80	2-3	31.25	32.643
43	1250.00	1	SLU	-76417.10	-1764.33	1080.67	-2571250.00	-152506.00	92314.60	2-3	31.25	33.648
44	1250.00	1	SLU	-75988.20	-1764.33	1080.67	-2571250.00	-152362.00	92225.00	2-3	31.25	33.837
45	1309.52	1	SLU	-73637.50	-1968.51	1205.73	-2571250.00	-151575.00	91734.10	2-3	31.25	34.918
46	1309.52	1	SLU	-73216.50	-1968.51	1205.73	-2571250.00	-151434.00	91646.10	2-3	31.25	35.118
47	1369.05	1	SLU	-70867.30	-2050.35	1255.86	-2571250.00	-150646.00	91155.40	2-3	31.25	36.283
48	1369.05	1	SLU	-70454.00	-2050.35	1255.86	-2571250.00	-150507.00	91068.80	2-3	31.25	36.495
49	1428.57	1	SLU	-68106.00	-2037.52	1248.00	-2571250.00	-149717.00	90574.90	2-3	31.25	37.754
50	1428.57	1	SLU	-67700.50	-2037.52	1248.00	-2571250.00	-149580.00	90489.60	2-3	31.25	37.980
51	1488.10	1	SLU	-65353.40	-1954.18	1196.95	-2571250.00	-148790.00	89995.80	2-3	31.25	39.344
52	1488.10	1	SLU	-64955.60	-1954.18	1196.95	-2571250.00	-148656.00	89912.10	2-3	31.25	39.585
53	1547.62	1	SLU	-62609.10	-1820.96	1115.36	-2571250.00	-147865.00	89418.30	2-3	31.25	41.068
54	1547.62	1	SLU	-62218.90	-1820.96	1115.36	-2571250.00	-147734.00	89336.20	2-3	31.25	41.326
55	1607.14	1	SLU	-59872.70	-1655.14	1013.79	-2571250.00	-146942.00	88841.20	2-3	31.25	42.945
56	1607.14	1	SLU	-59490.10	-1655.14	1013.79	-2571250.00	-146812.00	88760.10	2-3	31.25	43.221
57	1666.67	1	SLU	-57144.00	-1470.88	900.93	-2571250.00	-146018.00	88263.00	2-3	31.25	44.996
58	1666.67	1	SLU	-56768.90	-1470.88	900.93	-2571250.00	-145891.00	88183.50	2-3	31.25	45.293
59	1726.19	1	SLU	-54422.50	-1279.48	783.70	-2571250.00	-145097.00	87686.00	2-3	31.25	47.246
60	1726.19	1	SLU	-54054.90	-1279.48	783.70	-2571250.00	-144972.00	87608.10	2-3	31.25	47.567
61	1785.71	1	SLU	-51707.90	-1089.71	667.46	-2571250.00	-144177.00	87110.40	2-3	31.25	49.726
62	1785.71	1	SLU	-51347.70	-1089.71	667.46	-2571250.00	-144055.00	87034.00	2-3	31.25	50.075

63	1845.24	1	SLU	-48999.80	-908.14	556.25	-2571250.00	-143257.00	86533.90	2-3	31.25	52.475
64	1845.24	1	SLU	-48647.10	-908.14	556.25	-2571250.00	-143138.00	86458.60	2-3	31.25	52.855
65	1904.76	1	SLU	-46298.00	-739.48	452.94	-2571250.00	-142339.00	85957.10	2-3	31.25	55.537
66	1904.76	1	SLU	-45952.60	-739.48	452.94	-2571250.00	-142221.00	85883.30	2-3	31.25	55.954
67	1964.29	1	SLU	-43602.10	-586.84	359.45	-2571250.00	-141421.00	85381.30	2-3	31.25	58.971
68	1964.29	1	SLU	-43264.00	-586.84	359.45	-2571250.00	-141306.00	85309.00	2-3	31.25	59.431
69	2023.81	1	SLU	-40911.70	-452.10	276.92	-2571250.00	-140505.00	84806.40	2-3	31.25	62.849
70	2023.81	1	SLU	-40580.90	-452.10	276.92	-2571250.00	-140392.00	84735.70	2-3	31.25	63.361
71	2083.33	1	SLU	-38226.50	-336.10	205.86	-2571250.00	-139547.00	84269.90	2-3	31.25	67.263
72	2083.33	1	SLU	-37902.90	-336.10	205.86	-2571250.00	-139427.00	84210.00	2-3	31.25	67.838
73	2142.86	1	SLU	-35546.10	-238.91	146.34	-2571250.00	-138549.00	83773.20	2-3	31.25	72.335
74	2142.86	1	SLU	-35229.80	-238.91	146.34	-2571250.00	-138431.00	83714.50	2-3	31.25	72.985
75	2202.38	1	SLU	-32870.30	-160.02	98.01	-2571250.00	-137552.00	83276.10	2-3	31.25	78.224
76	2202.38	1	SLU	-32561.10	-160.02	98.01	-2571250.00	-137437.00	83218.60	2-3	31.25	78.967
77	2261.90	1	SLU	-30198.60	-98.51	60.34	-2571250.00	-136555.00	82779.70	2-3	31.25	85.145
78	2261.90	1	SLU	-29896.50	-98.51	60.34	-2571250.00	-136442.00	82723.80	2-3	31.25	86.005
79	2321.43	1	SLU	-27530.80	-53.16	32.56	-2571250.00	-135554.00	82285.10	2-3	31.25	93.395
80	2321.43	1	SLU	-27235.70	-53.16	32.56	-2571250.00	-135443.00	82230.30	2-3	31.25	94.407
81	2380.95	1	SLU	-24866.40	-22.62	13.85	-2571250.00	-134554.00	81789.90	2-3	31.25	>100
82	2380.95	1	SLU	-24578.40	-22.62	13.85	-2571250.00	-134446.00	81736.30	2-3	31.25	>100
83	2440.48	1	SLU	-22205.30	-5.40	3.31	-2571250.00	-133555.00	81294.00	2-3	31.25	>100
84	2440.48	1	SLU	-21924.20	-5.40	3.31	-2571250.00	-133450.00	81241.60	2-3	31.25	>100
85	2500.00	1	SLU	-19546.90	0.00	0.00	-2571250.00					>100
86	2500.00	1	SLU	-19272.90	0.00	0.00	-2571250.00					>100

Stato limite ultimo - Verifiche a taglio

Caso	X <cm>	CC	TCC	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1	0.00	1	SLU	7113.33	1164.58	0.85	11.31	7208.03	1.00	32294.70	350950.00	32294.70	4.480
2	0.00	1	SLU	7113.33	1164.58	0.85	11.31	7208.03	1.00	32294.70	350950.00	32294.70	4.480
3	59.52	1	SLU	2031.52	332.60	0.85	11.31	2058.57	1.00	32294.70	350903.00	32294.70	15.688
4	59.52	1	SLU	2031.52	332.60	0.85	11.31	2058.57	1.00	32294.70	350852.00	32294.70	15.688
5	119.05	1	SLU	-1849.92	-302.87	0.85	11.31	1874.55	1.00	32294.70	350502.00	32294.70	17.228
6	119.05	1	SLU	-1849.92	-302.87	0.85	11.31	1874.55	1.00	32294.70	350417.00	32294.70	17.228
7	178.57	1	SLU	-4692.48	-768.25	0.85	11.31	4754.95	1.00	32294.70	350068.00	32294.70	6.792
8	178.57	1	SLU	-4692.48	-768.25	0.85	11.31	4754.95	1.00	32294.70	349985.00	32294.70	6.792
9	238.09	1	SLU	-6654.45	-1089.45	0.85	11.31	6743.04	1.00	32294.70	349637.00	32294.70	4.789
10	238.09	1	SLU	-6654.45	-1089.45	0.85	11.31	6743.04	1.00	32294.70	349555.00	32294.70	4.789
11	297.62	1	SLU	-7886.04	-1291.09	0.85	11.31	7991.03	1.00	32294.70	349208.00	32294.70	4.041
12	297.62	1	SLU	-7886.04	-1291.09	0.85	11.31	7991.03	1.00	32294.70	349128.00	32294.70	4.041
13	357.14	1	SLU	-8526.08	-1395.88	0.85	11.31	8639.59	1.00	32294.70	348782.00	32294.70	3.738
14	357.14	1	SLU	-8526.08	-1395.88	0.85	11.31	8639.59	1.00	32294.70	348702.00	32294.70	3.738
15	416.67	1	SLU	-8699.79	-1424.32	0.85	11.31	8815.62	1.00	32294.70	348357.00	32294.70	3.663
16	416.67	1	SLU	-8699.79	-1424.32	0.85	11.31	8815.62	1.00	32294.70	348279.00	32294.70	3.663
17	476.19	1	SLU	-8517.79	-1394.52	0.85	11.31	8631.19	1.00	32294.70	347935.00	32294.70	3.742
18	476.19	1	SLU	-8517.79	-1394.52	0.85	11.31	8631.19	1.00	32294.70	347858.00	32294.70	3.742
19	535.71	1	SLU	-8075.72	-1322.14	0.85	11.31	8183.24	1.00	32294.70	347515.00	32294.70	3.946
20	535.71	1	SLU	-8075.72	-1322.14	0.85	11.31	8183.24	1.00	32294.70	347439.00	32294.70	3.946
21	595.24	1	SLU	-7454.61	-1220.46	0.85	11.31	7553.85	1.00	32294.70	347097.00	32294.70	4.275
22	595.24	1	SLU	-7454.61	-1220.46	0.85	11.31	7553.85	1.00	32294.70	347022.00	32294.70	4.275
23	654.76	1	SLU	-6721.58	-1100.45	0.85	11.31	6811.07	1.00	32294.70	346680.00	32294.70	4.742
24	654.76	1	SLU	-6721.58	-1100.45	0.85	11.31	6811.07	1.00	32294.70	346607.00	32294.70	4.742
25	714.29	1	SLU	-5930.99	-971.01	0.85	11.31	6009.95	1.00	32294.70	346266.00	32294.70	5.374
26	714.29	1	SLU	-5930.99	-971.01	0.85	11.31	6009.95	1.00	32294.70	346194.00	32294.70	5.374
27	773.81	1	SLU	-5125.61	-839.16	0.85	11.31	5193.85	1.00	32294.70	345854.00	32294.70	6.218
28	773.81	1	SLU	-5125.61	-839.16	0.85	11.31	5193.85	1.00	32294.70	345783.00	32294.70	6.218
29	833.33	1	SLU	-4338.04	-710.22	0.85	11.31	4395.80	1.00	32294.70	345443.00	32294.70	7.347
30	833.33	1	SLU	-4338.04	-710.22	0.85	11.31	4395.80	1.00	32294.70	345373.00	32294.70	7.347
31	892.86	1	SLU	-3592.08	-588.09	0.85	11.31	3639.90	1.00	32294.70	345034.00	32294.70	8.872
32	892.86	1	SLU	-3592.08	-588.09	0.85	11.31	3639.90	1.00	32294.70	344966.00	32294.70	8.872
33	952.38	1	SLU	-2904.04	-475.44	0.85	11.31	2942.70	1.00	32294.70	344627.00	32294.70	10.975
34	952.38	1	SLU	-2904.04	-475.44	0.85	11.31	2942.70	1.00	32294.70	344559.00	32294.70	10.975
35	1011.90	1	SLU	-2284.11	-373.95	0.85	11.31	2314.52	1.00	32294.70	344221.00	32294.70	13.953
36	1011.90	1	SLU	-2284.11	-373.95	0.85	11.31	2314.52	1.00	32294.70	344155.00	32294.70	13.953
37	1071.43	1	SLU	-1737.45	-284.45	0.85	11.31	1760.58	1.00	32294.70	343817.00	32294.70	18.343
38	1071.43	1	SLU	-1737.45	-284.45	0.85	11.31	1760.58	1.00	32294.70	343752.00	32294.70	18.343
39	1130.95	1	SLU	-1265.31	-207.15	0.85	11.31	1282.15	1.00	32294.70	343415.00	32294.70	25.188
40	1130.95	1	SLU	-1265.31	-207.15	0.85	11.31	1282.15	1.00	32294.70	343351.00	32294.70	25.188
41	1190.48	1	SLU	-865.96	-141.77	0.85	11.31	877.49	1.00	32294.70	343014.00	32294.70	36.804
42	1190.48	1	SLU	-865.96	-141.77	0.85	11.31	877.49	1.00	32294.70	342951.00	32294.70	36.804
43	1250.00	1	SLU	-535.49	-87.67	0.85	11.31	542.62	1.00	32294.70	342614.00	32294.70	59.516
44	1250.00	1	SLU	-535.49	-87.67	0.85	11.31	542.62	1.00	32294.70	342553.00	32294.70	59.516
45	1309.52	1	SLU	-268.51	-43.96	0.85	11.31	272.08	1.00	32294.70	342216.00	32294.70	>100
46	1309.52	1	SLU	-268.51	-43.96	0.85	11.31	272.08	1.00	32294.70	342156.00	32294.70	>100
47	1369.05	1	SLU	-58.69	-9.61	0.85	11.31	59.47	1.00	32294.70	341819.00	32294.70	>100
48	1369.05	1	SLU	-58.69	-9.61	0.85	11.31	59.47	1.00	32294.70	341760.00	32294.70	>100
49	1428.57	1	SLU	100.74	16.49	0.85	11.31	102.08	1.00	32294.70	341424.00	32294.70	>100

50	1428.57	1	SLU	100.74	16.49	0.85	11.31	102.08	1.00	32294.70	341365.00	32294.70	>100
51	1488.10	1	SLU	216.66	35.47	0.85	11.31	219.54	1.00	32294.70	341029.00	32294.70	>100
52	1488.10	1	SLU	216.66	35.47	0.85	11.31	219.54	1.00	32294.70	340972.00	32294.70	>100
53	1547.62	1	SLU	295.77	48.42	0.85	11.31	299.71	1.00	32294.70	340636.00	32294.70	>100
54	1547.62	1	SLU	295.77	48.42	0.85	11.31	299.71	1.00	32294.70	340580.00	32294.70	>100
55	1607.14	1	SLU	344.42	56.39	0.85	11.31	349.00	1.00	32294.70	340244.00	32294.70	92.534
56	1607.14	1	SLU	344.42	56.39	0.85	11.31	349.00	1.00	32294.70	340189.00	32294.70	92.534
57	1666.67	1	SLU	368.42	60.32	0.85	11.31	373.32	1.00	32294.70	339853.00	32294.70	86.506
58	1666.67	1	SLU	368.42	60.32	0.85	11.31	373.32	1.00	32294.70	339800.00	32294.70	86.506
59	1726.19	1	SLU	373.01	61.07	0.85	11.31	377.98	1.00	32294.70	339464.00	32294.70	85.442
60	1726.19	1	SLU	373.01	61.07	0.85	11.31	377.98	1.00	32294.70	339411.00	32294.70	85.442
61	1785.71	1	SLU	362.79	59.40	0.85	11.31	367.62	1.00	32294.70	339075.00	32294.70	87.849
62	1785.71	1	SLU	362.79	59.40	0.85	11.31	367.62	1.00	32294.70	339023.00	32294.70	87.849
63	1845.24	1	SLU	341.72	55.95	0.85	11.31	346.27	1.00	32294.70	338687.00	32294.70	93.265
64	1845.24	1	SLU	341.72	55.95	0.85	11.31	346.27	1.00	32294.70	338636.00	32294.70	93.265
65	1904.76	1	SLU	313.13	51.27	0.85	11.31	317.30	1.00	32294.70	338300.00	32294.70	>100
66	1904.76	1	SLU	313.13	51.27	0.85	11.31	317.30	1.00	32294.70	338250.00	32294.70	>100
67	1964.29	1	SLU	279.79	45.81	0.85	11.31	283.51	1.00	32294.70	337914.00	32294.70	>100
68	1964.29	1	SLU	279.79	45.81	0.85	11.31	283.51	1.00	32294.70	337865.00	32294.70	>100
69	2023.81	1	SLU	243.88	39.93	0.85	11.31	247.13	1.00	32294.70	337528.00	32294.70	>100
70	2023.81	1	SLU	243.88	39.93	0.85	11.31	247.13	1.00	32294.70	337481.00	32294.70	>100
71	2083.33	1	SLU	207.16	33.92	0.85	11.31	209.92	1.00	32294.70	337144.00	32294.70	>100
72	2083.33	1	SLU	207.16	33.92	0.85	11.31	209.92	1.00	32294.70	337097.00	32294.70	>100
73	2142.86	1	SLU	170.93	27.98	0.85	11.31	173.20	1.00	32294.70	336760.00	32294.70	>100
74	2142.86	1	SLU	170.93	27.98	0.85	11.31	173.20	1.00	32294.70	336714.00	32294.70	>100
75	2202.38	1	SLU	136.14	22.29	0.85	11.31	137.95	1.00	32294.70	336376.00	32294.70	>100
76	2202.38	1	SLU	136.14	22.29	0.85	11.31	137.95	1.00	32294.70	336332.00	32294.70	>100
77	2261.90	1	SLU	103.45	16.94	0.85	11.31	104.83	1.00	32294.70	335994.00	32294.70	>100
78	2261.90	1	SLU	103.45	16.94	0.85	11.31	104.83	1.00	32294.70	335950.00	32294.70	>100
79	2321.43	1	SLU	73.31	12.00	0.85	11.31	74.28	1.00	32294.70	335612.00	32294.70	>100
80	2321.43	1	SLU	73.31	12.00	0.85	11.31	74.28	1.00	32294.70	335569.00	32294.70	>100
81	2380.95	1	SLU	45.95	7.52	0.85	11.31	46.56	1.00	32294.70	335230.00	32294.70	>100
82	2380.95	1	SLU	45.95	7.52	0.85	11.31	46.56	1.00	32294.70	335189.00	32294.70	>100
83	2440.48	1	SLU	21.50	3.52	0.85	11.31	21.78	1.00	32294.70	334849.00	32294.70	>100
84	2440.48	1	SLU	21.50	3.52	0.85	11.31	21.78	1.00	32294.70	334809.00	32294.70	>100

Verifiche stato limite d'esercizio

Caso	X <cm>	CC	TCC	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ_C <daN/cmq>	σ_f <daN/cmq>
87	0.00	2	SLE R	-99712.00	-20739.90	33860.40	34.56	43.98	34.67	475.60
88	59.52	2	SLE R	-99441.40	-21782.00	35561.80	34.56	43.98	36.69	501.55
89	119.05	2	SLE R	-97229.70	-21781.40	35560.90	37.70	40.84	36.81	502.51
90	178.57	2	SLE R	-95030.30	-20999.40	34284.10	34.56	43.98	35.42	483.89
91	238.09	2	SLE R	-92843.00	-19659.80	32097.10	34.56	43.98	32.95	451.44
92	297.62	2	SLE R	-90667.50	-17950.40	29306.20	34.56	43.98	29.82	410.32
93	357.14	2	SLE R	-88503.60	-16025.20	26163.10	34.56	43.98	26.38	365.08
94	416.67	2	SLE R	-86350.80	-14007.30	22868.60	28.27	50.27	22.96	319.73
95	476.19	2	SLE R	-84209.00	-11992.40	19579.00	28.27	50.27	19.80	277.46
96	535.71	2	SLE R	-82077.90	-10052.00	16411.10	21.99	56.55	17.03	240.31
97	595.24	2	SLE R	-79957.30	-8237.11	13448.10	15.71	62.83	14.73	209.00
98	654.76	2	SLE R	-77846.70	-6581.41	10745.00	0.00	78.54	12.83	183.08
99	714.29	2	SLE R	-75746.10	-5104.42	8333.60	0.00	78.54	11.20	160.73
100	773.81	2	SLE R	-73655.10	-3814.38	6227.46	0.00	78.54	9.76	140.90
101	833.33	2	SLE R	-71573.40	-2710.75	4425.65	0.00	78.54	8.50	123.58
102	892.86	2	SLE R	-69500.80	-1786.45	2916.60	0.00	78.54	7.41	108.67
103	952.38	2	SLE R	-67437.00	-1029.72	1681.14	0.00	78.54	6.50	96.02
104	1011.90	2	SLE R	-65381.90	-425.75	695.09	0.00	78.54	5.74	85.42
105	1071.43	2	SLE R	-63335.00	42.04	-68.64	0.00	78.54	5.19	77.79
106	1130.95	2	SLE R	-61296.10	390.97	-638.31	0.00	78.54	5.37	80.00
107	1190.48	2	SLE R	-59265.00	638.26	-1042.05	0.00	78.54	5.45	80.86
108	1250.00	2	SLE R	-57241.50	800.50	-1306.91	0.00	78.54	5.44	80.58
109	1309.52	2	SLE R	-55225.20	893.13	-1458.15	0.00	78.54	5.37	79.37
110	1369.05	2	SLE R	-53215.90	930.26	-1518.77	0.00	78.54	5.24	77.42
111	1428.57	2	SLE R	-51213.40	924.45	-1509.27	0.00	78.54	5.08	74.90
112	1488.10	2	SLE R	-49217.40	886.63	-1447.54	0.00	78.54	4.88	71.96
113	1547.62	2	SLE R	-47227.60	826.19	-1348.86	0.00	78.54	4.65	68.72
114	1607.14	2	SLE R	-45243.90	750.96	-1226.03	0.00	78.54	4.42	65.28
115	1666.67	2	SLE R	-43265.80	667.36	-1089.54	0.00	78.54	4.18	61.74
116	1726.19	2	SLE R	-41293.30	580.51	-947.76	0.00	78.54	3.93	58.17
117	1785.71	2	SLE R	-39326.00	494.41	-807.19	0.00	78.54	3.68	54.61
118	1845.24	2	SLE R	-37363.70	412.04	-672.70	0.00	78.54	3.44	51.11
119	1904.76	2	SLE R	-35406.20	335.51	-547.76	0.00	78.54	3.21	47.69
120	1964.29	2	SLE R	-33453.10	266.26	-434.70	0.00	78.54	2.98	44.38
121	2023.81	2	SLE R	-31504.30	205.12	-334.89	0.00	78.54	2.76	41.18
122	2083.33	2	SLE R	-29559.50	152.49	-248.96	0.00	78.54	2.55	38.10
123	2142.86	2	SLE R	-27618.40	108.40	-176.97	0.00	78.54	2.35	35.13
124	2202.38	2	SLE R	-25680.90	72.60	-118.53	0.00	78.54	2.16	32.29

125	2261.90	2	SLE R	-23746.60	44.69	-72.97	0.00	78.54	1.97	29.56
126	2321.43	2	SLE R	-21815.30	24.12	-39.38	0.00	78.54	1.80	26.92
127	2380.95	2	SLE R	-19886.80	10.26	-16.75	0.00	78.54	1.63	24.39
128	2440.48	2	SLE R	-17960.80	2.45	-4.00	0.00	78.54	1.46	21.93
129	2500.00	2	SLE R	-16037.10	0.00	0.00	0.00	78.54	1.30	19.55
130	0.00	4	SLE Q	-99712.00	-20739.90	33860.40	34.56	43.98	34.67	475.60
131	59.52	4	SLE Q	-99441.40	-21782.00	35561.80	34.56	43.98	36.69	501.55
132	119.05	4	SLE Q	-97229.70	-21781.40	35560.90	37.70	40.84	36.81	502.51
133	178.57	4	SLE Q	-95030.30	-20999.40	34284.10	34.56	43.98	35.42	483.89
134	238.09	4	SLE Q	-92843.00	-19659.80	32097.10	34.56	43.98	32.95	451.44
135	297.62	4	SLE Q	-90667.50	-17950.40	29306.20	34.56	43.98	29.82	410.32
136	357.14	4	SLE Q	-88503.60	-16025.20	26163.10	34.56	43.98	26.38	365.08
137	416.67	4	SLE Q	-86350.80	-14007.30	22868.60	28.27	50.27	22.96	319.73
138	476.19	4	SLE Q	-84209.00	-11992.40	19579.00	28.27	50.27	19.80	277.46
139	535.71	4	SLE Q	-82077.90	-10052.00	16411.10	21.99	56.55	17.03	240.31
140	595.24	4	SLE Q	-79957.30	-8237.11	13448.10	15.71	62.83	14.73	209.00
141	654.76	4	SLE Q	-77846.70	-6581.41	10745.00	0.00	78.54	12.83	183.08
142	714.29	4	SLE Q	-75746.10	-5104.42	8333.60	0.00	78.54	11.20	160.73
143	773.81	4	SLE Q	-73655.10	-3814.38	6227.46	0.00	78.54	9.76	140.90
144	833.33	4	SLE Q	-71573.40	-2710.75	4425.65	0.00	78.54	8.50	123.58
145	892.86	4	SLE Q	-69500.80	-1786.45	2916.60	0.00	78.54	7.41	108.67
146	952.38	4	SLE Q	-67437.00	-1029.72	1681.14	0.00	78.54	6.50	96.02
147	1011.90	4	SLE Q	-65381.90	-425.75	695.09	0.00	78.54	5.74	85.42
148	1071.43	4	SLE Q	-63335.00	42.04	-68.64	0.00	78.54	5.19	77.79
149	1130.95	4	SLE Q	-61296.10	390.97	-638.31	0.00	78.54	5.37	80.00
150	1190.48	4	SLE Q	-59265.00	638.26	-1042.05	0.00	78.54	5.45	80.86
151	1250.00	4	SLE Q	-57241.50	800.50	-1306.91	0.00	78.54	5.44	80.58
152	1309.52	4	SLE Q	-55225.20	893.13	-1458.15	0.00	78.54	5.37	79.37
153	1369.05	4	SLE Q	-53215.90	930.26	-1518.77	0.00	78.54	5.24	77.42
154	1428.57	4	SLE Q	-51213.40	924.45	-1509.27	0.00	78.54	5.08	74.90
155	1488.10	4	SLE Q	-49217.40	886.63	-1447.54	0.00	78.54	4.88	71.96
156	1547.62	4	SLE Q	-47227.60	826.19	-1348.86	0.00	78.54	4.65	68.72
157	1607.14	4	SLE Q	-45243.90	750.96	-1226.03	0.00	78.54	4.42	65.28
158	1666.67	4	SLE Q	-43265.80	667.36	-1089.54	0.00	78.54	4.18	61.74
159	1726.19	4	SLE Q	-41293.30	580.51	-947.76	0.00	78.54	3.93	58.17
160	1785.71	4	SLE Q	-39326.00	494.41	-807.19	0.00	78.54	3.68	54.61
161	1845.24	4	SLE Q	-37363.70	412.04	-672.70	0.00	78.54	3.44	51.11
162	1904.76	4	SLE Q	-35406.20	335.51	-547.76	0.00	78.54	3.21	47.69
163	1964.29	4	SLE Q	-33453.10	266.26	-434.70	0.00	78.54	2.98	44.38
164	2023.81	4	SLE Q	-31504.30	205.12	-334.89	0.00	78.54	2.76	41.18
165	2083.33	4	SLE Q	-29559.50	152.49	-248.96	0.00	78.54	2.55	38.10
166	2142.86	4	SLE Q	-27618.40	108.40	-176.97	0.00	78.54	2.35	35.13
167	2202.38	4	SLE Q	-25680.90	72.60	-118.53	0.00	78.54	2.16	32.29
168	2261.90	4	SLE Q	-23746.60	44.69	-72.97	0.00	78.54	1.97	29.56
169	2321.43	4	SLE Q	-21815.30	24.12	-39.38	0.00	78.54	1.80	26.92
170	2380.95	4	SLE Q	-19886.80	10.26	-16.75	0.00	78.54	1.63	24.39
171	2440.48	4	SLE Q	-17960.80	2.45	-4.00	0.00	78.54	1.46	21.93
172	2500.00	4	SLE Q	-16037.10	0.00	0.00	0.00	78.54	1.30	19.55

Stato limite d'esercizio – Verifiche a fessurazione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	c <mm>	s <mm>	K_2	Φ_{eq}	Δ_{sm} <mm>	A_s <cmq>	$A_{c\ eff}$ <cmq>	σ_s <daN/cmq>	ε_{sm}	Wk <mm>
130	0.00	4	SLE Q	-99712.00	33860.40	-20739.90	46.00	136.36	0.50	20.00	208.45	15.71	914.60	364.48	0.11	0.04
131	59.52	4	SLE Q	-99441.40	35561.80	-21782.00	46.00	136.36	0.50	20.00	213.22	15.71	952.09	419.32	0.12	0.04
132	119.05	4	SLE Q	-97229.70	35560.90	-21781.40	46.00	136.36	0.50	20.00	215.16	15.71	967.31	435.50	0.13	0.05
133	178.57	4	SLE Q	-95030.30	34284.10	-20999.40	46.00	136.36	0.50	20.00	213.99	15.71	958.12	410.34	0.12	0.04
134	238.09	4	SLE Q	-92843.00	32097.10	-19659.80	46.00	136.36	0.50	20.00	210.15	15.71	927.96	356.78	0.10	0.04
135	297.62	4	SLE Q	-90667.50	29306.20	-17950.40	46.00	136.36	0.50	20.00	203.42	15.71	875.10	287.73	0.08	0.03
136	357.14	4	SLE Q	-88503.60	26163.10	-16025.20	46.00	136.36	0.50	20.00	192.70	15.71	790.91	214.71	0.06	0.02
137	416.67	4	SLE Q	-86350.80	22868.60	-14007.30	46.00	136.36	0.50	20.00	174.79	15.71	650.25	146.95	0.04	0.01
138	476.19	4	SLE Q	-84209.00	19579.00	-11992.40	46.00	136.36	0.50	20.00	192.54	9.42	473.80	90.35	0.03	0.01
139	535.71	4	SLE Q	-82077.90	16411.10	-10052.00	46.00	136.36	0.50	20.00	153.11	9.42	287.99	47.00	0.01	0.00
173	0.00	3	SLE F	-99712.00	33860.40	-20739.90	46.00	136.36	0.50	20.00	208.45	15.71	914.60	364.48	0.11	0.04
174	59.52	3	SLE F	-99441.40	35561.80	-21782.00	46.00	136.36	0.50	20.00	213.22	15.71	952.09	419.32	0.12	0.04
175	119.05	3	SLE F	-97229.70	35560.90	-21781.40	46.00	136.36	0.50	20.00	215.16	15.71	967.31	435.50	0.13	0.05
176	178.57	3	SLE F	-95030.30	34284.10	-20999.40	46.00	136.36	0.50	20.00	213.99	15.71	958.12	410.34	0.12	0.04
177	238.09	3	SLE F	-92843.00	32097.10	-19659.80	46.00	136.36	0.50	20.00	210.15	15.71	927.96	356.78	0.10	0.04
178	297.62	3	SLE F	-90667.50	29306.20	-17950.40	46.00	136.36	0.50	20.00	203.42	15.71	875.10	287.73	0.08	0.03
179	357.14	3	SLE F	-88503.60	26163.10	-16025.20	46.00	136.36	0.50	20.00	192.70	15.71	790.91	214.71	0.06	0.02
180	416.67	3	SLE F	-86350.80	22868.60	-14007.30	46.00	136.36	0.50	20.00	174.79	15.71	650.25	146.95	0.04	0.01
181	476.19	3	SLE F	-84209.00	19579.00	-11992.40	46.00	136.36	0.50	20.00	192.54	9.42	473.80	90.35	0.03	0.01
182	535.71	3	SLE F	-82077.90	16411.10	-10052.00	46.00	136.36	0.50	20.00	153.11	9.42	287.99	47.00	0.01	0.00

Verifiche principali

Caso	Tipo
6	SLU N cost – min. sic.
15	SLU Taglio – min. sic. c.a.,SLU Taglio – min. sic. acciaio

89	C.Rare - Sc min (max compr.),C.Rare - Sf max (max traz.),C.Rare - Sf min (max compr.)
99	C.Rare - Sc max (min. compr.)
132	C.Q.Per. - Sc min (max compr.),C.Q.Per. - Sf max (max traz.),C.Q.Per. - Sf min (max compr.),C.Q.Per. - Wk Max
142	C.Q.Per. - Sc max (min. compr.)
175	C.Freq - Wk Max

Palo n. 31

Caratteristiche del palo e dei materiali utilizzati

R <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
60.00	6.00	C30/37	307.10	20.59	174.02	13.73	B450C	4300.00	3913.04

Le sollecitazioni nei pali vengono calcolate oltre che per l'effetto delle reazioni vincolari anche considerando i seguenti effetti

Azioni ed effetti comuni

Az	N <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
PP	0.00	0.00	0.00	
SVR	0.00			

Azioni ed effetti - Plinto/Palo n. 31 (-28)

Caso	CC	TCC	Az	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	RVN	93054.30	7422.07	989.68	48522.50	16694.00
	1	SLU	TAG				0.00	0.00
	1	SLU	ECC				0.00	0.00
	1	SLU	TOT	93054.30	7422.07	989.68	48522.50	16694.00
2	2	SLE R	RVN	68929.10	5497.83	733.10	35942.60	12365.90
	2	SLE R	TAG				0.00	0.00
	2	SLE R	ECC				0.00	0.00
	2	SLE R	TOT	68929.10	5497.83	733.10	35942.60	12365.90
3	3	SLE F	RVN	68929.10	5497.83	733.10	35942.60	12365.90
	3	SLE F	TAG				0.00	0.00
	3	SLE F	ECC				0.00	0.00
	3	SLE F	TOT	68929.10	5497.83	733.10	35942.60	12365.90
4	4	SLE Q	RVN	68929.10	5497.83	733.10	35942.60	12365.90
	4	SLE Q	TAG				0.00	0.00
	4	SLE Q	ECC				0.00	0.00
	4	SLE Q	TOT	68929.10	5497.83	733.10	35942.60	12365.90

Sollecitazioni nei pali

Caso	CC	TCC	Palo	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	1	-93054.30	-7422.07	-989.68	-48522.50	-16694.00
2	2	SLE R	1	-68929.10	-5497.83	-733.10	-35942.60	-12365.90
3	3	SLE F	1	-68929.10	-5497.83	-733.10	-35942.60	-12365.90
4	4	SLE Q	1	-68929.10	-5497.83	-733.10	-35942.60	-12365.90

Da 0 a -25

Stato limite ultimo - Verifiche a flessione/pressoflessione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	Rott.	α <grad>	Sic.
1	0.00	1	SLU	-93054.30	47991.40	-16511.20	-93054.30	175315.00	-59253.40	2-3	198.75	3.646
2	59.52	1	SLU	-92862.40	50725.00	-17451.70	-92862.40	175247.00	-59223.50	2-3	198.75	3.448
3	119.05	1	SLU	-90807.50	50953.50	-17530.30	-90807.50	174490.00	-58947.10	2-3	198.75	3.418
4	178.57	1	SLU	-88764.10	49296.30	-16960.20	-88764.10	173718.00	-58689.90	2-3	198.75	3.517
5	238.09	1	SLU	-86732.00	46285.50	-15924.30	-86732.00	172949.00	-58433.90	2-3	198.75	3.730
6	297.62	1	SLU	-84710.90	42368.20	-14576.60	-84710.90	172185.00	-58179.20	2-3	198.75	4.056
7	357.14	1	SLU	-82700.50	37912.10	-13043.50	-82700.50	171424.00	-57925.70	2-3	198.75	4.513
8	416.67	1	SLU	-80700.70	33212.10	-11426.50	-80700.70	170664.00	-57672.80	2-3	198.75	5.129
9	476.19	1	SLU	-78711.00	28497.90	-9804.59	-78711.00	169905.00	-57420.50	2-3	198.75	5.951
10	535.71	1	SLU	-76731.40	23942.40	-8237.27	-76731.40	169150.00	-57169.40	2-3	198.75	7.052
11	595.24	1	SLU	-74761.50	19669.10	-6767.08	-74761.50	168399.00	-56919.40	2-3	198.75	8.546
12	654.76	1	SLU	-72801.20	15760.90	-5422.45	-72801.20	167651.00	-56670.40	2-3	198.75	10.618
13	714.29	1	SLU	-70850.00	12266.30	-4220.18	-70850.00	166901.00	-56421.50	2-3	198.75	13.582
14	773.81	1	SLU	-68907.90	9207.33	-3167.74	-68907.90	166154.00	-56173.60	2-3	198.75	18.013
15	833.33	1	SLU	-66974.50	6584.52	-2265.37	-66974.50	165411.00	-55926.70	2-3	198.75	25.076
16	892.86	1	SLU	-65049.60	4382.75	-1507.87	-65049.60	164670.00	-55680.80	2-3	198.75	37.505
17	952.38	1	SLU	-63132.90	2575.59	-886.12	-2571250.00	163931.00	-55435.40	2-3	198.75	40.727
18	1011.90	1	SLU	-61224.30	1129.06	-388.45	-2571250.00	163192.00	-55190.40	2-3	198.75	41.997
19	1071.43	1	SLU	-59323.50	4.75	-1.64	-2571250.00	162456.00	-54946.20	2-3	198.75	43.343
20	1130.95	1	SLU	-57430.20	-837.66	288.19	-2571250.00	-161551.00	55048.50	2-3	18.75	44.772
21	1190.48	1	SLU	-55544.10	-1438.52	494.92	-2571250.00	-160836.00	54813.40	2-3	18.75	46.292

22	1250.00	1	SLU	-53665.20	-1836.73	631.92	-2571250.00	-160122.00	54578.90	2-3	18.75	47.913
23	1309.52	1	SLU	-51793.00	-2068.71	711.73	-2571250.00	-159409.00	54345.00	2-3	18.75	49.645
24	1369.05	1	SLU	-49927.40	-2167.72	745.79	-2571250.00	-158698.00	54111.80	2-3	18.75	51.500
25	1428.57	1	SLU	-48068.20	-2163.47	744.33	-2571250.00	-157989.00	53879.30	2-3	18.75	53.492
26	1488.10	1	SLU	-46215.00	-2081.93	716.28	-2571250.00	-157282.00	53647.30	2-3	18.75	55.637
27	1547.62	1	SLU	-44367.70	-1945.37	669.30	-2571250.00	-156578.00	53415.90	2-3	18.75	57.953
28	1607.14	1	SLU	-42526.10	-1772.46	609.81	-2571250.00	-155873.00	53185.10	2-3	18.75	60.463
29	1666.67	1	SLU	-40689.90	-1578.54	543.09	-2571250.00	-155169.00	52954.70	2-3	18.75	63.191
30	1726.19	1	SLU	-38858.80	-1375.88	473.37	-2571250.00	-154467.00	52724.90	2-3	18.75	66.169
31	1785.71	1	SLU	-37032.60	-1174.07	403.93	-2571250.00	-153767.00	52495.50	2-3	18.75	69.432
32	1845.24	1	SLU	-35211.20	-980.28	337.26	-2571250.00	-153068.00	52266.60	2-3	18.75	73.024
33	1904.76	1	SLU	-33394.20	-799.72	275.14	-2571250.00	-152371.00	52038.10	2-3	18.75	76.997
34	1964.29	1	SLU	-31581.50	-635.86	218.76	-2571250.00	-151678.00	51735.70	2-3	18.75	81.416
35	2023.81	1	SLU	-29772.80	-490.83	168.87	-2571250.00	-150987.00	51429.90	2-3	18.75	86.362
36	2083.33	1	SLU	-27967.80	-365.64	125.80	-2571250.00	-150297.00	51125.10	2-3	18.75	91.936
37	2142.86	1	SLU	-26166.40	-260.48	89.62	-2571250.00	-149608.00	50821.30	2-3	18.75	98.265
38	2202.38	1	SLU	-24368.40	-174.87	60.16	-2571250.00	-148920.00	50518.10	2-3	18.75	>100
39	2261.90	1	SLU	-22573.40	-107.92	37.13	-2571250.00	-148231.00	50209.90	2-3	18.75	>100
40	2321.43	1	SLU	-20781.30	-58.40	20.09	-2571250.00	-147543.00	49902.70	2-3	18.75	>100
41	2380.95	1	SLU	-18991.80	-24.92	8.57	-2571250.00	-146856.00	49596.30	2-3	18.75	>100
42	2440.48	1	SLU	-17204.70	-5.97	2.05	-2571250.00	-146137.00	49337.60	2-3	18.75	>100
43	2500.00	1	SLU	-15419.90	0.00	0.00	-2571250.00					>100

Stato limite ultimo – Verifiche a taglio

Caso	X <cm>	CC	TCC	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1	0.00	1	SLU	7422.07	989.68	0.85	11.31	7487.76	1.00	32294.70	344997.00	32294.70	4.313
2	59.52	1	SLU	2413.44	321.82	0.85	11.31	2434.81	1.00	32294.70	344970.00	32294.70	13.264
3	119.05	1	SLU	-1426.86	-190.26	0.85	11.31	1439.49	1.00	32294.70	344675.00	32294.70	22.435
4	178.57	1	SLU	-4253.77	-567.21	0.85	11.31	4291.42	1.00	32294.70	344383.00	32294.70	7.525
5	238.09	1	SLU	-6219.74	-829.36	0.85	11.31	6274.79	1.00	32294.70	344092.00	32294.70	5.147
6	297.62	1	SLU	-7469.95	-996.07	0.85	11.31	7536.07	1.00	32294.70	343802.00	32294.70	4.285
7	357.14	1	SLU	-8138.86	-1085.26	0.85	11.31	8210.90	1.00	32294.70	343514.00	32294.70	3.933
8	416.67	1	SLU	-8348.12	-1113.17	0.85	11.31	8422.00	1.00	32294.70	343228.00	32294.70	3.835
9	476.19	1	SLU	-8205.37	-1094.13	0.85	11.31	8277.99	1.00	32294.70	342943.00	32294.70	3.901
10	535.71	1	SLU	-7803.93	-1040.60	0.85	11.31	7873.00	1.00	32294.70	342659.00	32294.70	4.102
11	595.24	1	SLU	-7223.02	-963.14	0.85	11.31	7286.95	1.00	32294.70	342377.00	32294.70	4.432
12	654.76	1	SLU	-6528.44	-870.52	0.85	11.31	6586.23	1.00	32294.70	342096.00	32294.70	4.903
13	714.29	1	SLU	-5773.60	-769.87	0.85	11.31	5824.70	1.00	32294.70	341817.00	32294.70	5.544
14	773.81	1	SLU	-5000.65	-666.80	0.85	11.31	5044.91	1.00	32294.70	341538.00	32294.70	6.401
15	833.33	1	SLU	-4241.88	-565.63	0.85	11.31	4279.42	1.00	32294.70	341261.00	32294.70	7.547
16	892.86	1	SLU	-3520.94	-469.49	0.85	11.31	3552.11	1.00	32294.70	340986.00	32294.70	9.092
17	952.38	1	SLU	-2854.22	-380.59	0.85	11.31	2879.48	1.00	32294.70	340711.00	32294.70	11.216
18	1011.90	1	SLU	-2252.04	-300.30	0.85	11.31	2271.97	1.00	32294.70	340438.00	32294.70	14.214
19	1071.43	1	SLU	-1719.84	-229.33	0.85	11.31	1735.06	1.00	32294.70	340166.00	32294.70	18.613
20	1130.95	1	SLU	-1259.16	-167.90	0.85	11.31	1270.31	1.00	32294.70	339894.00	32294.70	25.423
21	1190.48	1	SLU	-868.62	-115.82	0.85	11.31	876.31	1.00	32294.70	339624.00	32294.70	36.853
22	1250.00	1	SLU	-544.65	-72.62	0.85	11.31	549.47	1.00	32294.70	339355.00	32294.70	58.775
23	1309.52	1	SLU	-282.19	-37.63	0.85	11.31	284.69	1.00	32294.70	339087.00	32294.70	>100
24	1369.05	1	SLU	-75.26	-10.04	0.85	11.31	75.93	1.00	32294.70	338820.00	32294.70	>100
25	1428.57	1	SLU	82.61	11.02	0.85	11.31	83.34	1.00	32294.70	338553.00	32294.70	>100
26	1488.10	1	SLU	198.04	26.41	0.85	11.31	199.79	1.00	32294.70	338288.00	32294.70	>100
27	1547.62	1	SLU	277.47	37.00	0.85	11.31	279.93	1.00	32294.70	338023.00	32294.70	>100
28	1607.14	1	SLU	327.04	43.61	0.85	11.31	329.94	1.00	32294.70	337759.00	32294.70	97.881
29	1666.67	1	SLU	352.39	46.99	0.85	11.31	355.51	1.00	32294.70	337496.00	32294.70	90.841
30	1726.19	1	SLU	358.60	47.82	0.85	11.31	361.77	1.00	32294.70	337234.00	32294.70	89.269
31	1785.71	1	SLU	350.14	46.69	0.85	11.31	353.24	1.00	32294.70	336973.00	32294.70	91.424
32	1845.24	1	SLU	330.88	44.12	0.85	11.31	333.81	1.00	32294.70	336712.00	32294.70	96.746
33	1904.76	1	SLU	304.08	40.55	0.85	11.31	306.77	1.00	32294.70	336451.00	32294.70	>100
34	1964.29	1	SLU	272.43	36.33	0.85	11.31	274.84	1.00	32294.70	336192.00	32294.70	>100
35	2023.81	1	SLU	238.10	31.75	0.85	11.31	240.20	1.00	32294.70	335933.00	32294.70	>100
36	2083.33	1	SLU	202.78	27.04	0.85	11.31	204.57	1.00	32294.70	335674.00	32294.70	>100
37	2142.86	1	SLU	167.77	22.37	0.85	11.31	169.26	1.00	32294.70	335416.00	32294.70	>100
38	2202.38	1	SLU	134.02	17.87	0.85	11.31	135.20	1.00	32294.70	335159.00	32294.70	>100
39	2261.90	1	SLU	102.17	13.62	0.85	11.31	103.07	1.00	32294.70	334901.00	32294.70	>100
40	2321.43	1	SLU	72.65	9.69	0.85	11.31	73.30	1.00	32294.70	334645.00	32294.70	>100
41	2380.95	1	SLU	45.72	6.10	0.85	11.31	46.12	1.00	32294.70	334388.00	32294.70	>100
42	2440.48	1	SLU	21.48	2.86	0.85	11.31	21.67	1.00	32294.70	334132.00	32294.70	>100

Verifiche stato limite d'esercizio

Caso	X <cm>	CC	TCC	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ_C <daN/cmq>	σ_f <daN/cmq>
44	0.00	2	SLE R	-68929.10	-12230.50	35549.20	40.84	37.70	34.59	554.10
45	59.52	2	SLE R	-69022.80	-12927.20	37574.10	40.84	37.70	36.85	623.96
46	119.05	2	SLE R	-67536.00	-12985.40	37743.30	40.84	37.70	37.16	645.29
47	178.57	2	SLE R	-66057.70	-12563.10	36515.80	40.84	37.70	35.90	616.87
48	238.09	2	SLE R	-64587.80	-11795.80	34285.60	40.84	37.70	33.50	553.12

49	297.62	2	SLE R	-63126.10	-10797.50	31383.80	40.84	37.70	30.36	467.29
50	357.14	2	SLE R	-61672.40	-9661.84	28083.00	40.84	37.70	26.78	371.12
51	416.67	2	SLE R	-60226.60	-8464.05	24601.50	37.70	40.84	23.06	313.75
52	476.19	2	SLE R	-58788.40	-7262.66	21109.60	34.56	43.98	19.42	266.60
53	535.71	2	SLE R	-57357.70	-6101.68	17735.10	31.42	47.12	16.11	223.22
54	595.24	2	SLE R	-55934.20	-5012.65	14569.70	28.27	50.27	13.30	185.93
55	654.76	2	SLE R	-54517.90	-4016.63	11674.70	21.99	56.55	11.04	155.75
56	714.29	2	SLE R	-53108.50	-3126.06	9086.17	9.42	69.11	9.31	132.21
57	773.81	2	SLE R	-51705.80	-2346.47	6820.24	0.00	78.54	7.94	113.52
58	833.33	2	SLE R	-50309.70	-1678.05	4877.42	0.00	78.54	6.76	97.44
59	892.86	2	SLE R	-48919.90	-1116.94	3246.48	0.00	78.54	5.75	83.67
60	952.38	2	SLE R	-47536.40	-656.39	1907.85	0.00	78.54	4.91	72.08
61	1011.90	2	SLE R	-46158.90	-287.74	836.34	0.00	78.54	4.21	62.47
62	1071.43	2	SLE R	-44787.30	-1.21	3.52	0.00	78.54	3.64	54.63
63	1130.95	2	SLE R	-43421.40	213.48	-620.49	0.00	78.54	3.87	57.56
64	1190.48	2	SLE R	-42061.00	366.61	-1065.57	0.00	78.54	4.00	59.21
65	1250.00	2	SLE R	-40705.90	468.09	-1360.54	0.00	78.54	4.05	59.76
66	1309.52	2	SLE R	-39356.00	527.21	-1532.38	0.00	78.54	4.04	59.39
67	1369.05	2	SLE R	-38011.00	552.44	-1605.72	0.00	78.54	3.97	58.30
68	1428.57	2	SLE R	-36670.90	551.36	-1602.57	0.00	78.54	3.86	56.64
69	1488.10	2	SLE R	-35335.50	530.58	-1542.17	0.00	78.54	3.72	54.56
70	1547.62	2	SLE R	-34004.60	495.77	-1441.02	0.00	78.54	3.55	52.19
71	1607.14	2	SLE R	-32677.90	451.71	-1312.94	0.00	78.54	3.37	49.61
72	1666.67	2	SLE R	-31355.40	402.29	-1169.29	0.00	78.54	3.19	46.93
73	1726.19	2	SLE R	-30036.90	350.64	-1019.17	0.00	78.54	3.00	44.21
74	1785.71	2	SLE R	-28722.20	299.21	-869.68	0.00	78.54	2.81	41.49
75	1845.24	2	SLE R	-27411.20	249.82	-726.13	0.00	78.54	2.63	38.83
76	1904.76	2	SLE R	-26103.60	203.81	-592.38	0.00	78.54	2.45	36.24
77	1964.29	2	SLE R	-24799.40	162.05	-471.01	0.00	78.54	2.27	33.74
78	2023.81	2	SLE R	-23498.30	125.09	-363.58	0.00	78.54	2.11	31.36
79	2083.33	2	SLE R	-22200.20	93.18	-270.85	0.00	78.54	1.95	29.08
80	2142.86	2	SLE R	-20904.90	66.38	-192.95	0.00	78.54	1.80	26.92
81	2202.38	2	SLE R	-19612.20	44.57	-129.53	0.00	78.54	1.67	24.88
82	2261.90	2	SLE R	-18322.10	27.50	-79.94	0.00	78.54	1.53	22.93
83	2321.43	2	SLE R	-17034.20	14.88	-43.26	0.00	78.54	1.41	21.09
84	2380.95	2	SLE R	-15748.60	6.35	-18.46	0.00	78.54	1.29	19.34
85	2440.48	2	SLE R	-14464.90	1.52	-4.42	0.00	78.54	1.18	17.67
86	2500.00	2	SLE R	-13183.10	0.00	0.00	0.00	78.54	1.07	16.07
87	0.00	4	SLE Q	-68929.10	-12230.50	35549.20	40.84	37.70	34.59	554.10
88	59.52	4	SLE Q	-69022.80	-12927.20	37574.10	40.84	37.70	36.85	623.96
89	119.05	4	SLE Q	-67536.00	-12985.40	37743.30	40.84	37.70	37.16	645.29
90	178.57	4	SLE Q	-66057.70	-12563.10	36515.80	40.84	37.70	35.90	616.87
91	238.09	4	SLE Q	-64587.80	-11795.80	34285.60	40.84	37.70	33.50	553.12
92	297.62	4	SLE Q	-63126.10	-10797.50	31383.80	40.84	37.70	30.36	467.29
93	357.14	4	SLE Q	-61672.40	-9661.84	28083.00	40.84	37.70	26.78	371.12
94	416.67	4	SLE Q	-60226.60	-8464.05	24601.50	37.70	40.84	23.06	313.75
95	476.19	4	SLE Q	-58788.40	-7262.66	21109.60	34.56	43.98	19.42	266.60
96	535.71	4	SLE Q	-57357.70	-6101.68	17735.10	31.42	47.12	16.11	223.22
97	595.24	4	SLE Q	-55934.20	-5012.65	14569.70	28.27	50.27	13.30	185.93
98	654.76	4	SLE Q	-54517.90	-4016.63	11674.70	21.99	56.55	11.04	155.75
99	714.29	4	SLE Q	-53108.50	-3126.06	9086.17	9.42	69.11	9.31	132.21
100	773.81	4	SLE Q	-51705.80	-2346.47	6820.24	0.00	78.54	7.94	113.52
101	833.33	4	SLE Q	-50309.70	-1678.05	4877.42	0.00	78.54	6.76	97.44
102	892.86	4	SLE Q	-48919.90	-1116.94	3246.48	0.00	78.54	5.75	83.67
103	952.38	4	SLE Q	-47536.40	-656.39	1907.85	0.00	78.54	4.91	72.08
104	1011.90	4	SLE Q	-46158.90	-287.74	836.34	0.00	78.54	4.21	62.47
105	1071.43	4	SLE Q	-44787.30	-1.21	3.52	0.00	78.54	3.64	54.63
106	1130.95	4	SLE Q	-43421.40	213.48	-620.49	0.00	78.54	3.87	57.56
107	1190.48	4	SLE Q	-42061.00	366.61	-1065.57	0.00	78.54	4.00	59.21
108	1250.00	4	SLE Q	-40705.90	468.09	-1360.54	0.00	78.54	4.05	59.76
109	1309.52	4	SLE Q	-39356.00	527.21	-1532.38	0.00	78.54	4.04	59.39
110	1369.05	4	SLE Q	-38011.00	552.44	-1605.72	0.00	78.54	3.97	58.30
111	1428.57	4	SLE Q	-36670.90	551.36	-1602.57	0.00	78.54	3.86	56.64
112	1488.10	4	SLE Q	-35335.50	530.58	-1542.17	0.00	78.54	3.72	54.56
113	1547.62	4	SLE Q	-34004.60	495.77	-1441.02	0.00	78.54	3.55	52.19
114	1607.14	4	SLE Q	-32677.90	451.71	-1312.94	0.00	78.54	3.37	49.61
115	1666.67	4	SLE Q	-31355.40	402.29	-1169.29	0.00	78.54	3.19	46.93
116	1726.19	4	SLE Q	-30036.90	350.64	-1019.17	0.00	78.54	3.00	44.21
117	1785.71	4	SLE Q	-28722.20	299.21	-869.68	0.00	78.54	2.81	41.49
118	1845.24	4	SLE Q	-27411.20	249.82	-726.13	0.00	78.54	2.63	38.83
119	1904.76	4	SLE Q	-26103.60	203.81	-592.38	0.00	78.54	2.45	36.24
120	1964.29	4	SLE Q	-24799.40	162.05	-471.01	0.00	78.54	2.27	33.74
121	2023.81	4	SLE Q	-23498.30	125.09	-363.58	0.00	78.54	2.11	31.36
122	2083.33	4	SLE Q	-22200.20	93.18	-270.85	0.00	78.54	1.95	29.08
123	2142.86	4	SLE Q	-20904.90	66.38	-192.95	0.00	78.54	1.80	26.92
124	2202.38	4	SLE Q	-19612.20	44.57	-129.53	0.00	78.54	1.67	24.88

125	2261.90	4	SLE Q	-18322.10	27.50	-79.94	0.00	78.54	1.53	22.93
126	2321.43	4	SLE Q	-17034.20	14.88	-43.26	0.00	78.54	1.41	21.09
127	2380.95	4	SLE Q	-15748.60	6.35	-18.46	0.00	78.54	1.29	19.34
128	2440.48	4	SLE Q	-14464.90	1.52	-4.42	0.00	78.54	1.18	17.67
129	2500.00	4	SLE Q	-13183.10	0.00	0.00	0.00	78.54	1.07	16.07

Stato limite d'esercizio - Verifiche a fessurazione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	c <mm>	s <mm>	K_2	Φ_{eq}	Δ_{sm} <mm>	A_s <cmq>	$A_{c\ eff}$ <cmq>	σ_s <daN/cmq>	ε_{sm}	Wk <mm>
87	0.00	4	SLE Q	-68929.10	35549.20	-12230.50	46.00	136.36	0.50	20.00	191.09	21.99	1089.57	554.10	0.16	0.05
88	59.52	4	SLE Q	-69022.80	37574.10	-12927.20	46.00	136.36	0.50	20.00	193.05	21.99	1111.08	623.96	0.18	0.06
89	119.05	4	SLE Q	-67536.00	37743.30	-12985.40	46.00	136.36	0.50	20.00	193.93	21.99	1120.73	645.29	0.19	0.06
90	178.57	4	SLE Q	-66057.70	36515.80	-12563.10	46.00	136.36	0.50	20.00	193.57	21.99	1116.78	616.87	0.18	0.06
91	238.09	4	SLE Q	-64587.80	34285.60	-11795.80	46.00	136.36	0.50	20.00	192.16	21.99	1101.34	553.12	0.16	0.05
92	297.62	4	SLE Q	-63126.10	31383.80	-10797.50	46.00	136.36	0.50	20.00	189.64	21.99	1073.62	467.29	0.14	0.04
93	357.14	4	SLE Q	-61672.40	28083.00	-9661.84	46.00	136.36	0.50	20.00	201.33	18.85	1030.40	371.12	0.11	0.04
94	416.67	4	SLE Q	-60226.60	24601.50	-8464.05	46.00	136.36	0.50	20.00	214.97	15.71	965.76	274.94	0.08	0.03
95	476.19	4	SLE Q	-58788.40	21109.60	-7262.66	46.00	136.36	0.50	20.00	202.84	15.71	870.52	187.56	0.05	0.02
96	535.71	4	SLE Q	-57357.70	17735.10	-6101.68	46.00	136.36	0.50	20.00	182.99	15.71	714.64	115.64	0.03	0.01
97	595.24	4	SLE Q	-55934.20	14569.70	-5012.65	46.00	136.36	0.50	20.00	193.49	9.42	478.28	62.36	0.02	0.01
98	654.76	4	SLE Q	-54517.90	11674.70	-4016.63	46.00	136.36	0.50	20.00	169.43	6.28	243.24	26.35	0.01	0.00
130	0.00	3	SLE F	-68929.10	35549.20	-12230.50	46.00	136.36	0.50	20.00	191.09	21.99	1089.57	554.10	0.16	0.05
131	59.52	3	SLE F	-69022.80	37574.10	-12927.20	46.00	136.36	0.50	20.00	193.05	21.99	1111.08	623.96	0.18	0.06
132	119.05	3	SLE F	-67536.00	37743.30	-12985.40	46.00	136.36	0.50	20.00	193.93	21.99	1120.73	645.29	0.19	0.06
133	178.57	3	SLE F	-66057.70	36515.80	-12563.10	46.00	136.36	0.50	20.00	193.57	21.99	1116.78	616.87	0.18	0.06
134	238.09	3	SLE F	-64587.80	34285.60	-11795.80	46.00	136.36	0.50	20.00	192.16	21.99	1101.34	553.12	0.16	0.05
135	297.62	3	SLE F	-63126.10	31383.80	-10797.50	46.00	136.36	0.50	20.00	189.64	21.99	1073.62	467.29	0.14	0.04
136	357.14	3	SLE F	-61672.40	28083.00	-9661.84	46.00	136.36	0.50	20.00	201.33	18.85	1030.40	371.12	0.11	0.04
137	416.67	3	SLE F	-60226.60	24601.50	-8464.05	46.00	136.36	0.50	20.00	214.97	15.71	965.76	274.94	0.08	0.03
138	476.19	3	SLE F	-58788.40	21109.60	-7262.66	46.00	136.36	0.50	20.00	202.84	15.71	870.52	187.56	0.05	0.02
139	535.71	3	SLE F	-57357.70	17735.10	-6101.68	46.00	136.36	0.50	20.00	182.99	15.71	714.64	115.64	0.03	0.01
140	595.24	3	SLE F	-55934.20	14569.70	-5012.65	46.00	136.36	0.50	20.00	193.49	9.42	478.28	62.36	0.02	0.01
141	654.76	3	SLE F	-54517.90	11674.70	-4016.63	46.00	136.36	0.50	20.00	169.43	6.28	243.24	26.35	0.01	0.00

Verifiche principali

Caso	Tipo
3	SLU N cost - min. sic.
8	SLU Taglio - min. sic. c.a.,SLU Taglio - min. sic. acciaio
46	C.Rare - Sc min (max compr.),C.Rare - Sf max (max traz.),C.Rare - Sf min (max compr.)
57	C.Rare - Sc max (min. compr.)
89	C.Q.Per. - Sc min (max compr.),C.Q.Per. - Sf max (max traz.),C.Q.Per. - Sf min (max compr.),C.Q.Per. - Wk Max
100	C.Q.Per. - Sc max (min. compr.)
132	C.Freq - Wk Max

Palo n. 32

Caratteristiche del palo e dei materiali utilizzati

R <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
60.00	6.00	C30/37	307.10	20.59	174.02	13.73	B450C	4300.00	3913.04

Le sollecitazioni nei pali vengono calcolate oltre che per l'effetto delle reazioni vincolari anche considerando i seguenti effetti

Azioni ed effetti comuni

Az	N <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
PP	0.00	0.00	0.00	
SVR	0.00			

Azioni ed effetti - Plinto/Palo n. 32 (-16)

Caso	CC	TCC	Az	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	RVN	59197.90	7660.41	772.36	46710.20	7987.79
	1	SLU	TAG				0.00	0.00
	1	SLU	ECC				0.00	0.00
	1	SLU	TOT	59197.90	7660.41	772.36	46710.20	7987.79
2	2	SLE R	RVN	43850.30	5674.38	572.12	34600.10	5916.88
	2	SLE R	TAG				0.00	0.00
	2	SLE R	ECC				0.00	0.00
	2	SLE R	TOT	43850.30	5674.38	572.12	34600.10	5916.88
3	3	SLE F	RVN	43850.30	5674.38	572.12	34600.10	5916.88
	3	SLE F	TAG				0.00	0.00
	3	SLE F	ECC				0.00	0.00
	3	SLE F	TOT	43850.30	5674.38	572.12	34600.10	5916.88
4	4	SLE Q	RVN	43850.30	5674.38	572.12	34600.10	5916.88
	4	SLE Q	TAG				0.00	0.00
	4	SLE Q	ECC				0.00	0.00

	4	SLE Q	TOT	43850.30	5674.38	572.12	34600.10	5916.88

Sollecitazioni nei pali

Caso	CC	TCC	Palo	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	1	-59197.90	-7660.41	-772.36	-46710.20	-7987.79
2	2	SLE R	1	-43850.30	-5674.38	-572.12	-34600.10	-5916.88
3	3	SLE F	1	-43850.30	-5674.38	-572.12	-34600.10	-5916.88
4	4	SLE Q	1	-43850.30	-5674.38	-572.12	-34600.10	-5916.88

Da 0 a -25

Stato limite ultimo - Verifiche a flessione/pressoflessione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	Rott.	α <grad>	Sic.
1	0.00	1	SLU	-59197.90	46177.10	-7896.63	-59197.90	168929.00	-29557.90	2-3	190.00	3.661
2	59.52	1	SLU	-59406.80	49206.00	-8414.59	-59406.80	169011.00	-29573.20	2-3	190.00	3.437
3	119.05	1	SLU	-58149.10	49710.30	-8500.84	-58149.10	168519.00	-29481.10	2-3	190.00	3.392
4	178.57	1	SLU	-56898.80	48304.50	-8260.44	-56898.80	168029.00	-29389.60	2-3	190.00	3.481
5	238.09	1	SLU	-55655.70	45517.60	-7783.86	-55655.70	167542.00	-29298.60	2-3	190.00	3.683
6	297.62	1	SLU	-54419.70	41795.70	-7147.38	-54419.70	167058.00	-29208.10	2-3	190.00	4.000
7	357.14	1	SLU	-53190.50	37506.60	-6413.91	-53190.50	166575.00	-29117.50	2-3	190.00	4.444
8	416.67	1	SLU	-51968.20	32946.20	-5634.06	-51968.20	166094.00	-29027.30	2-3	190.00	5.045
9	476.19	1	SLU	-50752.40	28346.30	-4847.44	-50752.40	165616.00	-28937.50	2-3	190.00	5.846
10	535.71	1	SLU	-49543.10	23881.80	-4083.97	-49543.10	165140.00	-28848.20	2-3	190.00	6.919
11	595.24	1	SLU	-48340.00	19679.00	-3365.25	-48340.00	164666.00	-28759.40	2-3	190.00	8.373
12	654.76	1	SLU	-47143.10	15823.10	-2705.87	-47143.10	164195.00	-28671.10	2-3	190.00	10.383
13	714.29	1	SLU	-45952.20	12365.60	-2114.61	-45952.20	163726.00	-28583.10	2-3	190.00	13.248
14	773.81	1	SLU	-44767.10	9330.77	-1595.63	-44767.10	163259.00	-28495.60	2-3	190.00	17.507
15	833.33	1	SLU	-43587.70	6721.65	-1149.45	-43587.70	162794.00	-28408.30	2-3	190.00	24.233
16	892.86	1	SLU	-42413.90	4525.22	-773.85	-42413.90	162330.00	-28321.00	2-3	190.00	35.893
17	952.38	1	SLU	-41245.40	2716.93	-464.62	-41245.40	161868.00	-28234.00	2-3	190.00	59.612
18	1011.90	1	SLU	-40082.10	1264.48	-216.24	-2571250.00	161408.00	-28147.40	2-3	190.00	64.150
19	1071.43	1	SLU	-38924.00	130.88	-22.38	-2571250.00	160942.00	-28079.80	2-3	190.00	66.058
20	1130.95	1	SLU	-37770.80	-723.03	123.64	-2571250.00	-160170.00	28366.70	2-3	10.00	68.075
21	1190.48	1	SLU	-36622.40	-1336.61	228.57	-2571250.00	-159701.00	28280.00	2-3	10.00	70.210
22	1250.00	1	SLU	-35478.60	-1747.99	298.92	-2571250.00	-159234.00	28193.10	2-3	10.00	72.473
23	1309.52	1	SLU	-34339.30	-1993.01	340.82	-2571250.00	-158768.00	28106.70	2-3	10.00	74.878
24	1369.05	1	SLU	-33204.40	-2104.47	359.88	-33204.40	-158304.00	28020.50	2-3	10.00	75.299
25	1428.57	1	SLU	-32073.70	-2111.79	361.13	-32073.70	-157841.00	27934.70	2-3	10.00	74.818
26	1488.10	1	SLU	-30947.10	-2040.72	348.98	-30947.10	-157380.00	27849.20	2-3	10.00	77.198
27	1547.62	1	SLU	-29824.40	-1913.41	327.21	-29824.40	-156921.00	27764.10	2-3	10.00	82.093
28	1607.14	1	SLU	-28705.50	-1748.49	299.01	-2571250.00	-156464.00	27679.30	2-3	10.00	89.573
29	1666.67	1	SLU	-27590.30	-1561.32	267.00	-2571250.00	-156005.00	27594.20	2-3	10.00	93.194
30	1726.19	1	SLU	-26478.50	-1364.21	233.29	-2571250.00	-155548.00	27509.00	2-3	10.00	97.107
31	1785.71	1	SLU	-25370.20	-1166.82	199.53	-2571250.00	-155092.00	27424.00	2-3	10.00	>100
32	1845.24	1	SLU	-24265.00	-976.45	166.98	-2571250.00	-154638.00	27339.30	2-3	10.00	>100
33	1904.76	1	SLU	-23162.90	-798.40	136.53	-2571250.00	-154184.00	27254.90	2-3	10.00	>100
34	1964.29	1	SLU	-22063.70	-636.27	108.81	-2571250.00	-153732.00	27170.70	2-3	10.00	>100
35	2023.81	1	SLU	-20967.40	-492.31	84.19	-2571250.00	-153280.00	27086.70	2-3	10.00	>100
36	2083.33	1	SLU	-19873.70	-367.64	62.87	-2571250.00	-152831.00	27003.00	2-3	10.00	>100
37	2142.86	1	SLU	-18782.60	-262.58	44.90	-2571250.00	-152380.00	26919.20	2-3	10.00	>100
38	2202.38	1	SLU	-17693.80	-176.76	30.23	-2571250.00	-151930.00	26835.00	2-3	10.00	>100
39	2261.90	1	SLU	-16607.20	-109.40	18.71	-2571250.00	-151481.00	26750.90	2-3	10.00	>100
40	2321.43	1	SLU	-15522.80	-59.39	10.16	-2571250.00	-151031.00	26661.20	2-3	10.00	>100
41	2380.95	1	SLU	-14440.40	-25.43	4.35	-2571250.00	-150582.00	26570.30	2-3	10.00	>100
42	2440.48	1	SLU	-13359.80	-6.11	1.05	-2571250.00	-150133.00	26479.70	2-3	10.00	>100
43	2500.00	1	SLU	-12280.80	0.00	0.00	-2571250.00					>100

Stato limite ultimo - Verifiche a taglio

Caso	X <cm>	CC	TCC	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1	0.00	1	SLU	7660.41	772.36	0.85	11.31	7699.25	1.00	32294.70	340148.00	32294.70	4.195
2	59.52	1	SLU	2810.04	283.32	0.85	11.31	2824.28	1.00	32294.70	340177.00	32294.70	11.435
3	119.05	1	SLU	-925.90	-93.35	0.85	11.31	930.59	1.00	32294.70	339997.00	32294.70	34.703
4	178.57	1	SLU	-3692.56	-372.30	0.85	11.31	3711.28	1.00	32294.70	339818.00	32294.70	8.702
5	238.09	1	SLU	-5633.53	-568.00	0.85	11.31	5662.09	1.00	32294.70	339640.00	32294.70	5.704
6	297.62	1	SLU	-6886.03	-694.28	0.85	11.31	6920.94	1.00	32294.70	339463.00	32294.70	4.666
7	357.14	1	SLU	-7577.61	-764.01	0.85	11.31	7616.03	1.00	32294.70	339287.00	32294.70	4.240
8	416.67	1	SLU	-7824.00	-788.85	0.85	11.31	7863.67	1.00	32294.70	339112.00	32294.70	4.107
9	476.19	1	SLU	-7727.89	-779.16	0.85	11.31	7767.07	1.00	32294.70	338938.00	32294.70	4.158
10	535.71	1	SLU	-7378.55	-743.94	0.85	11.31	7415.96	1.00	32294.70	338765.00	32294.70	4.355
11	595.24	1	SLU	-6851.94	-690.84	0.85	11.31	6886.68	1.00	32294.70	338592.00	32294.70	4.689
12	654.76	1	SLU	-6211.38	-626.26	0.85	11.31	6242.87	1.00	32294.70	338421.00	32294.70	5.173
13	714.29	1	SLU	-5508.39	-555.38	0.85	11.31	5536.32	1.00	32294.70	338250.00	32294.70	5.833

14	773.81	1	SLU	-4783.84	-482.33	0.85	11.31	4808.09	1.00	32294.70	338081.00	32294.70	6.717
15	833.33	1	SLU	-4069.11	-410.27	0.85	11.31	4089.74	1.00	32294.70	337912.00	32294.70	7.897
16	892.86	1	SLU	-3387.38	-341.53	0.85	11.31	3404.55	1.00	32294.70	337743.00	32294.70	9.486
17	952.38	1	SLU	-2754.84	-277.75	0.85	11.31	2768.80	1.00	32294.70	337576.00	32294.70	11.664
18	1011.90	1	SLU	-2181.84	-219.98	0.85	11.31	2192.90	1.00	32294.70	337409.00	32294.70	14.727
19	1071.43	1	SLU	-1674.02	-168.78	0.85	11.31	1682.51	1.00	32294.70	337244.00	32294.70	19.194
20	1130.95	1	SLU	-1233.26	-124.34	0.85	11.31	1239.52	1.00	32294.70	337078.00	32294.70	26.054
21	1190.48	1	SLU	-858.57	-86.57	0.85	11.31	862.92	1.00	32294.70	336914.00	32294.70	37.425
22	1250.00	1	SLU	-546.83	-55.13	0.85	11.31	549.60	1.00	32294.70	336750.00	32294.70	58.760
23	1309.52	1	SLU	-293.45	-29.59	0.85	11.31	294.94	1.00	32294.70	336587.00	32294.70	>100
24	1369.05	1	SLU	-92.91	-9.37	0.85	11.31	93.38	1.00	32294.70	336424.00	32294.70	>100
25	1428.57	1	SLU	60.83	6.13	0.85	11.31	61.14	1.00	32294.70	336262.00	32294.70	>100
26	1488.10	1	SLU	173.96	17.54	0.85	11.31	174.84	1.00	32294.70	336101.00	32294.70	>100
27	1547.62	1	SLU	252.56	25.46	0.85	11.31	253.84	1.00	32294.70	335940.00	32294.70	>100
28	1607.14	1	SLU	302.43	30.49	0.85	11.31	303.97	1.00	32294.70	335780.00	32294.70	>100
29	1666.67	1	SLU	328.93	33.16	0.85	11.31	330.59	1.00	32294.70	335620.00	32294.70	97.687
30	1726.19	1	SLU	336.87	33.96	0.85	11.31	338.58	1.00	32294.70	335461.00	32294.70	95.383
31	1785.71	1	SLU	330.54	33.33	0.85	11.31	332.22	1.00	32294.70	335302.00	32294.70	97.210
32	1845.24	1	SLU	313.63	31.62	0.85	11.31	315.22	1.00	32294.70	335144.00	32294.70	>100
33	1904.76	1	SLU	289.25	29.16	0.85	11.31	290.72	1.00	32294.70	334986.00	32294.70	>100
34	1964.29	1	SLU	260.00	26.21	0.85	11.31	261.32	1.00	32294.70	334828.00	32294.70	>100
35	2023.81	1	SLU	227.96	22.98	0.85	11.31	229.11	1.00	32294.70	334671.00	32294.70	>100
36	2083.33	1	SLU	194.77	19.64	0.85	11.31	195.75	1.00	32294.70	334515.00	32294.70	>100
37	2142.86	1	SLU	161.68	16.30	0.85	11.31	162.50	1.00	32294.70	334358.00	32294.70	>100
38	2202.38	1	SLU	129.60	13.07	0.85	11.31	130.26	1.00	32294.70	334203.00	32294.70	>100
39	2261.90	1	SLU	99.18	10.00	0.85	11.31	99.68	1.00	32294.70	334047.00	32294.70	>100
40	2321.43	1	SLU	70.82	7.14	0.85	11.31	71.18	1.00	32294.70	333892.00	32294.70	>100
41	2380.95	1	SLU	44.77	4.51	0.85	11.31	44.99	1.00	32294.70	333737.00	32294.70	>100
42	2440.48	1	SLU	21.15	2.13	0.85	11.31	21.25	1.00	32294.70	333582.00	32294.70	>100

Verifiche stato limite d'esercizio

Caso	X <cm>	CC	TCC	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ_c <daN/cmq>	σ_f <daN/cmq>
44	0.00	2	SLE R	-43850.30	-5849.36	34205.30	43.98	34.56	33.00	724.68
45	59.52	2	SLE R	-44240.90	-6233.03	36448.90	43.98	34.56	35.33	802.22
46	119.05	2	SLE R	-43344.50	-6296.92	36822.40	43.98	34.56	35.78	826.96
47	178.57	2	SLE R	-42453.70	-6118.84	35781.10	43.98	34.56	34.74	799.46
48	238.09	2	SLE R	-41568.30	-5765.82	33716.80	43.98	34.56	32.64	734.27
49	297.62	2	SLE R	-40688.20	-5294.36	30959.80	43.98	34.56	29.80	644.03
50	357.14	2	SLE R	-39813.20	-4751.04	27782.60	43.98	34.56	26.51	539.45
51	416.67	2	SLE R	-38943.30	-4173.38	24404.60	43.98	34.56	23.00	429.57
52	476.19	2	SLE R	-38078.30	-3590.69	20997.30	43.98	34.56	19.45	322.02
53	535.71	2	SLE R	-37218.20	-3025.16	17690.20	37.70	40.84	16.02	223.50
54	595.24	2	SLE R	-36362.70	-2492.78	14577.00	37.70	40.84	12.86	178.35
55	654.76	2	SLE R	-35511.90	-2004.35	11720.80	31.42	47.12	10.14	142.11
56	714.29	2	SLE R	-34665.60	-1566.38	9159.70	25.13	53.41	7.99	113.04
57	773.81	2	SLE R	-33823.80	-1181.95	6911.68	15.71	62.83	6.40	91.44
58	833.33	2	SLE R	-32986.20	-851.45	4979.00	0.00	78.54	5.27	75.77
59	892.86	2	SLE R	-32152.70	-573.22	3352.01	0.00	78.54	4.36	63.14
60	952.38	2	SLE R	-31323.40	-344.16	2012.54	0.00	78.54	3.59	52.56
61	1011.90	2	SLE R	-30498.10	-160.18	936.65	0.00	78.54	2.97	43.87
62	1071.43	2	SLE R	-29676.60	-16.58	96.95	0.00	78.54	2.46	36.88
63	1130.95	2	SLE R	-28858.90	91.59	-535.58	0.00	78.54	2.62	38.99
64	1190.48	2	SLE R	-28044.80	169.31	-990.08	0.00	78.54	2.79	41.22
65	1250.00	2	SLE R	-27234.40	221.42	-1294.81	0.00	78.54	2.89	42.40
66	1309.52	2	SLE R	-26427.30	252.46	-1476.30	0.00	78.54	2.92	42.70
67	1369.05	2	SLE R	-25623.70	266.58	-1558.87	0.00	78.54	2.89	42.31
68	1428.57	2	SLE R	-24823.20	267.50	-1564.29	0.00	78.54	2.83	41.37
69	1488.10	2	SLE R	-24026.00	258.50	-1511.64	0.00	78.54	2.74	40.03
70	1547.62	2	SLE R	-23231.70	242.38	-1417.34	0.00	78.54	2.62	38.39
71	1607.14	2	SLE R	-22440.50	221.49	-1295.18	0.00	78.54	2.50	36.56
72	1666.67	2	SLE R	-21652.10	197.78	-1156.53	0.00	78.54	2.36	34.61
73	1726.19	2	SLE R	-20866.40	172.81	-1010.52	0.00	78.54	2.22	32.62
74	1785.71	2	SLE R	-20083.40	147.80	-864.31	0.00	78.54	2.08	30.62
75	1845.24	2	SLE R	-19302.90	123.69	-723.30	0.00	78.54	1.94	28.67
76	1904.76	2	SLE R	-18524.90	101.14	-591.41	0.00	78.54	1.81	26.79
77	1964.29	2	SLE R	-17749.20	80.60	-471.31	0.00	78.54	1.69	24.99
78	2023.81	2	SLE R	-16975.80	62.36	-364.67	0.00	78.54	1.57	23.29
79	2083.33	2	SLE R	-16204.50	46.57	-272.33	0.00	78.54	1.46	21.69
80	2142.86	2	SLE R	-15435.30	33.26	-194.50	0.00	78.54	1.36	20.20
81	2202.38	2	SLE R	-14668.10	22.39	-130.94	0.00	78.54	1.26	18.81
82	2261.90	2	SLE R	-13902.70	13.86	-81.04	0.00	78.54	1.17	17.53
83	2321.43	2	SLE R	-13139.10	7.52	-43.99	0.00	78.54	1.09	16.33
84	2380.95	2	SLE R	-12377.10	3.22	-18.83	0.00	78.54	1.02	15.22
85	2440.48	2	SLE R	-11616.80	0.77	-4.53	0.00	78.54	0.95	14.20
86	2500.00	2	SLE R	-10857.90	0.00	0.00	0.00	78.54	0.88	13.24
87	0.00	4	SLE Q	-43850.30	-5849.36	34205.30	43.98	34.56	33.00	724.68

88	59.52	4	SLE Q	-44240.90	-6233.03	36448.90	43.98	34.56	35.33	802.22
89	119.05	4	SLE Q	-43344.50	-6296.92	36822.40	43.98	34.56	35.78	826.96
90	178.57	4	SLE Q	-42453.70	-6118.84	35781.10	43.98	34.56	34.74	799.46
91	238.09	4	SLE Q	-41568.30	-5765.82	33716.80	43.98	34.56	32.64	734.27
92	297.62	4	SLE Q	-40688.20	-5294.36	30959.80	43.98	34.56	29.80	644.03
93	357.14	4	SLE Q	-39813.20	-4751.04	27782.60	43.98	34.56	26.51	539.45
94	416.67	4	SLE Q	-38943.30	-4173.38	24404.60	43.98	34.56	23.00	429.57
95	476.19	4	SLE Q	-38078.30	-3590.69	20997.30	43.98	34.56	19.45	322.02
96	535.71	4	SLE Q	-37218.20	-3025.16	17690.20	37.70	40.84	16.02	223.50
97	595.24	4	SLE Q	-36362.70	-2492.78	14577.00	37.70	40.84	12.86	178.35
98	654.76	4	SLE Q	-35511.90	-2004.35	11720.80	31.42	47.12	10.14	142.11
99	714.29	4	SLE Q	-34665.60	-1566.38	9159.70	25.13	53.41	7.99	113.04
100	773.81	4	SLE Q	-33823.80	-1181.95	6911.68	15.71	62.83	6.40	91.44
101	833.33	4	SLE Q	-32986.20	-851.45	4979.00	0.00	78.54	5.27	75.77
102	892.86	4	SLE Q	-32152.70	-573.22	3352.01	0.00	78.54	4.36	63.14
103	952.38	4	SLE Q	-31323.40	-344.16	2012.54	0.00	78.54	3.59	52.56
104	1011.90	4	SLE Q	-30498.10	-160.18	936.65	0.00	78.54	2.97	43.87
105	1071.43	4	SLE Q	-29676.60	-16.58	96.95	0.00	78.54	2.46	36.88
106	1130.95	4	SLE Q	-28858.90	91.59	-535.58	0.00	78.54	2.62	38.99
107	1190.48	4	SLE Q	-28044.80	169.31	-990.08	0.00	78.54	2.79	41.22
108	1250.00	4	SLE Q	-27234.40	221.42	-1294.81	0.00	78.54	2.89	42.40
109	1309.52	4	SLE Q	-26427.30	252.46	-1476.30	0.00	78.54	2.92	42.70
110	1369.05	4	SLE Q	-25623.70	266.58	-1558.87	0.00	78.54	2.89	42.31
111	1428.57	4	SLE Q	-24823.20	267.50	-1564.29	0.00	78.54	2.83	41.37
112	1488.10	4	SLE Q	-24026.00	258.50	-1511.64	0.00	78.54	2.74	40.03
113	1547.62	4	SLE Q	-23231.70	242.38	-1417.34	0.00	78.54	2.62	38.39
114	1607.14	4	SLE Q	-22440.50	221.49	-1295.18	0.00	78.54	2.50	36.56
115	1666.67	4	SLE Q	-21652.10	197.78	-1156.53	0.00	78.54	2.36	34.61
116	1726.19	4	SLE Q	-20866.40	172.81	-1010.52	0.00	78.54	2.22	32.62
117	1785.71	4	SLE Q	-20083.40	147.80	-864.31	0.00	78.54	2.08	30.62
118	1845.24	4	SLE Q	-19302.90	123.69	-723.30	0.00	78.54	1.94	28.67
119	1904.76	4	SLE Q	-18524.90	101.14	-591.41	0.00	78.54	1.81	26.79
120	1964.29	4	SLE Q	-17749.20	80.60	-471.31	0.00	78.54	1.69	24.99
121	2023.81	4	SLE Q	-16975.80	62.36	-364.67	0.00	78.54	1.57	23.29
122	2083.33	4	SLE Q	-16204.50	46.57	-272.33	0.00	78.54	1.46	21.69
123	2142.86	4	SLE Q	-15435.30	33.26	-194.50	0.00	78.54	1.36	20.20
124	2202.38	4	SLE Q	-14668.10	22.39	-130.94	0.00	78.54	1.26	18.81
125	2261.90	4	SLE Q	-13902.70	13.86	-81.04	0.00	78.54	1.17	17.53
126	2321.43	4	SLE Q	-13139.10	7.52	-43.99	0.00	78.54	1.09	16.33
127	2380.95	4	SLE Q	-12377.10	3.22	-18.83	0.00	78.54	1.02	15.22
128	2440.48	4	SLE Q	-11616.80	0.77	-4.53	0.00	78.54	0.95	14.20
129	2500.00	4	SLE Q	-10857.90	0.00	0.00	0.00	78.54	0.88	13.24

Stato limite d'esercizio – Verifiche a fessurazione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	c <mm>	s <mm>	K_2	Φ_{eq}	Δ_{sm} <mm>	A_s <cmq>	$A_{c\ eff}$ <cmq>	σ_s <daN/cmq>	ε_{sm}	Wk <mm>
87	0.00	4	SLE Q	-43850.30	34205.30	-5849.36	46.00	136.36	0.50	20.00	203.12	21.99	1221.87	724.68	0.21	0.07
88	59.52	4	SLE Q	-44240.90	36448.90	-6233.03	46.00	136.36	0.50	20.00	204.16	21.99	1233.24	802.22	0.23	0.08
89	119.05	4	SLE Q	-43344.50	36822.40	-6296.92	46.00	136.36	0.50	20.00	204.70	21.99	1239.19	826.96	0.24	0.08
90	178.57	4	SLE Q	-42453.70	35781.10	-6118.84	46.00	136.36	0.50	20.00	204.56	21.99	1237.68	799.46	0.23	0.08
91	238.09	4	SLE Q	-41568.30	33716.80	-5765.82	46.00	136.36	0.50	20.00	203.87	21.99	1230.09	734.27	0.21	0.07
92	297.62	4	SLE Q	-40688.20	30959.80	-5294.36	46.00	136.36	0.50	20.00	202.62	21.99	1216.35	644.03	0.19	0.06
93	357.14	4	SLE Q	-39813.20	27782.60	-4751.04	46.00	136.36	0.50	20.00	218.82	18.85	1195.22	539.45	0.16	0.06
94	416.67	4	SLE Q	-38943.30	24404.60	-4173.38	46.00	136.36	0.50	20.00	215.52	18.85	1164.16	429.57	0.13	0.05
95	476.19	4	SLE Q	-38078.30	20997.30	-3590.69	46.00	136.36	0.50	20.00	210.69	18.85	1118.59	322.02	0.09	0.03
96	535.71	4	SLE Q	-37218.20	17690.20	-3025.16	46.00	136.36	0.50	20.00	203.47	18.85	1050.56	223.50	0.07	0.02
97	595.24	4	SLE Q	-36362.70	14577.00	-2492.78	46.00	136.36	0.50	20.00	192.40	18.85	946.20	140.08	0.04	0.01
98	654.76	4	SLE Q	-35511.90	11720.80	-2004.35	46.00	136.36	0.50	20.00	214.35	12.57	768.75	76.66	0.02	0.01
99	714.29	4	SLE Q	-34665.60	9159.70	-1566.38	46.00	136.36	0.50	20.00	167.11	12.57	471.93	34.46	0.01	0.00
130	0.00	3	SLE F	-43850.30	34205.30	-5849.36	46.00	136.36	0.50	20.00	203.12	21.99	1221.87	724.68	0.21	0.07
131	59.52	3	SLE F	-44240.90	36448.90	-6233.03	46.00	136.36	0.50	20.00	204.16	21.99	1233.24	802.22	0.23	0.08
132	119.05	3	SLE F	-43344.50	36822.40	-6296.92	46.00	136.36	0.50	20.00	204.70	21.99	1239.19	826.96	0.24	0.08
133	178.57	3	SLE F	-42453.70	35781.10	-6118.84	46.00	136.36	0.50	20.00	204.56	21.99	1237.68	799.46	0.23	0.08
134	238.09	3	SLE F	-41568.30	33716.80	-5765.82	46.00	136.36	0.50	20.00	203.87	21.99	1230.09	734.27	0.21	0.07
135	297.62	3	SLE F	-40688.20	30959.80	-5294.36	46.00	136.36	0.50	20.00	202.62	21.99	1216.35	644.03	0.19	0.06
136	357.14	3	SLE F	-39813.20	27782.60	-4751.04	46.00	136.36	0.50	20.00	218.82	18.85	1195.22	539.45	0.16	0.06
137	416.67	3	SLE F	-38943.30	24404.60	-4173.38	46.00	136.36	0.50	20.00	215.52	18.85	1164.16	429.57	0.13	0.05
138	476.19	3	SLE F	-38078.30	20997.30	-3590.69	46.00	136.36	0.50	20.00	210.69	18.85	1118.59	322.02	0.09	0.03
139	535.71	3	SLE F	-37218.20	17690.20	-3025.16	46.00	136.36	0.50	20.00	203.47	18.85	1050.56	223.50	0.07	0.02
140	595.24	3	SLE F	-36362.70	14577.00	-2492.78	46.00	136.36	0.50	20.00	192.40	18.85	946.20	140.08	0.04	0.01
141	654.76	3	SLE F	-35511.90	11720.80	-2004.35	46.00	136.36	0.50	20.00	214.35	12.57	768.75	76.66	0.02	0.01
142	714.29	3	SLE F	-34665.60	9159.70	-1566.38	46.00	136.36	0.50	20.00	167.11	12.57	471.93	34.46	0.01	0.00

Verifiche principali

Caso	Tipo
3	SLU N cost – min. sic.
8	SLU Taglio – min. sic. c.a.,SLU Taglio – min. sic. acciaio

46	C.Rare - Sc min (max compr.),C.Rare - Sf max (max traz.),C.Rare - Sf min (max compr.)
58	C.Rare - Sc max (min. compr.)
89	C.Q.Per. - Sc min (max compr.),C.Q.Per. - Sf max (max traz.),C.Q.Per. - Sf min (max compr.),C.Q.Per. - Wk Max
101	C.Q.Per. - Sc max (min. compr.)
132	C.Freq - Wk Max

Palo n. 33

Caratteristiche del palo e dei materiali utilizzati

R <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
60.00	6.00	C30/37	307.10	20.59	174.02	13.73	B450C	4300.00	3913.04

Le sollecitazioni nei pali vengono calcolate oltre che per l'effetto delle reazioni vincolari anche considerando i seguenti effetti

Azioni ed effetti comuni

Az	N <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
PP	0.00	0.00	0.00	
SVR	0.00			

Azioni ed effetti - Plinto/Palo n. 33 (-8)

Caso	CC	TCC	Az	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	RVN	35003.30	7820.97	470.83	43337.70	2716.90
	1	SLU	TAG				0.00	0.00
	1	SLU	ECC				0.00	0.00
	1	SLU	TOT	35003.30	7820.97	470.83	43337.70	2716.90
2	2	SLE R	RVN	25928.30	5793.31	348.76	32102.00	2012.52
	2	SLE R	TAG				0.00	0.00
	2	SLE R	ECC				0.00	0.00
	2	SLE R	TOT	25928.30	5793.31	348.76	32102.00	2012.52
3	3	SLE F	RVN	25928.30	5793.31	348.76	32102.00	2012.52
	3	SLE F	TAG				0.00	0.00
	3	SLE F	ECC				0.00	0.00
	3	SLE F	TOT	25928.30	5793.31	348.76	32102.00	2012.52
4	4	SLE Q	RVN	25928.30	5793.31	348.76	32102.00	2012.52
	4	SLE Q	TAG				0.00	0.00
	4	SLE Q	ECC				0.00	0.00
	4	SLE Q	TOT	25928.30	5793.31	348.76	32102.00	2012.52

Sollecitazioni nei pali

Caso	CC	TCC	Palo	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
1	1	SLU	1	-35003.30	-7820.97	-470.83	-43337.70	-2716.90
2	2	SLE R	1	-25928.30	-5793.31	-348.76	-32102.00	-2012.52
3	3	SLE F	1	-25928.30	-5793.31	-348.76	-32102.00	-2012.52
4	4	SLE Q	1	-25928.30	-5793.31	-348.76	-32102.00	-2012.52

Da 0 a -25

Stato limite ultimo - Verifiche a flessione/pressoflessione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	Rott.	α <grad>	Sic.
1	0.00	1	SLU	-35003.30	42821.10	-2684.51	-35003.30	161122.00	-10481.30	2-3	183.75	3.763
2	59.52	1	SLU	-35498.50	46031.60	-2885.78	-35498.50	161327.00	-10494.40	2-3	183.75	3.505
3	119.05	1	SLU	-34810.50	46785.90	-2933.07	-34810.50	161042.00	-10476.30	2-3	183.75	3.443
4	178.57	1	SLU	-34127.00	45672.40	-2863.26	-34127.00	160757.00	-10458.30	2-3	183.75	3.520
5	238.09	1	SLU	-33447.70	43199.00	-2708.20	-33447.70	160475.00	-10440.50	2-3	183.75	3.715
6	297.62	1	SLU	-32772.70	39795.20	-2494.82	-32772.70	160194.00	-10422.80	2-3	183.75	4.026
7	357.14	1	SLU	-32101.90	35816.30	-2245.37	-32101.90	159915.00	-10405.10	2-3	183.75	4.466
8	416.67	1	SLU	-31435.10	31549.10	-1977.86	-31435.10	159637.00	-10387.60	2-3	183.75	5.061
9	476.19	1	SLU	-30772.40	27219.00	-1706.40	-30772.40	159361.00	-10370.20	2-3	183.75	5.856
10	535.71	1	SLU	-30113.50	22997.20	-1441.72	-30113.50	159087.00	-10352.80	2-3	183.75	6.919
11	595.24	1	SLU	-29458.50	19008.00	-1191.63	-29458.50	158814.00	-10335.60	2-3	183.75	8.356
12	654.76	1	SLU	-28807.20	15336.20	-961.45	-28807.20	158543.00	-10318.50	2-3	183.75	10.339
13	714.29	1	SLU	-28159.60	12034.20	-754.44	-28159.60	158273.00	-10301.40	2-3	183.75	13.154
14	773.81	1	SLU	-27515.50	9127.78	-572.23	-27515.50	158005.00	-10284.50	2-3	183.75	17.313
15	833.33	1	SLU	-26874.90	6622.15	-415.15	-26874.90	157738.00	-10267.60	2-3	183.75	23.823
16	892.86	1	SLU	-26237.80	4506.84	-282.54	-26237.80	157473.00	-10250.80	2-3	183.75	34.946
17	952.38	1	SLU	-25604.00	2760.01	-173.03	-25604.00	157208.00	-10234.30	2-3	183.75	56.968
18	1011.90	1	SLU	-24973.40	1352.05	-84.76	-2571250.00	156944.00	-10217.80	2-3	183.75	>100
19	1071.43	1	SLU	-24346.00	248.63	-15.59	-2571250.00	156681.00	-10201.40	2-3	183.75	>100
20	1130.95	1	SLU	-23721.70	-586.88	36.79	-2571250.00	-156706.00	10161.00	2-3	3.75	>100
21	1190.48	1	SLU	-23100.40	-1191.58	74.70	-2571250.00	-156440.00	10144.10	2-3	3.75	>100

22	1250.00	1	SLU	-22482.00	-1601.51	100.40	-22482.00	-156175.00	10127.30	2-3	3.75	97.531
23	1309.52	1	SLU	-21866.50	-1850.69	116.02	-21866.50	-155912.00	10110.70	2-3	3.75	84.257
24	1369.05	1	SLU	-21253.80	-1970.38	123.53	-21253.80	-155648.00	10094.10	2-3	3.75	79.005
25	1428.57	1	SLU	-20643.70	-1988.65	124.67	-20643.70	-155385.00	10077.70	2-3	3.75	78.147
26	1488.10	1	SLU	-20036.30	-1930.18	121.01	-20036.30	-155124.00	10061.30	2-3	3.75	80.378
27	1547.62	1	SLU	-19431.40	-1816.25	113.86	-19431.40	-154863.00	10045.00	2-3	3.75	85.277
28	1607.14	1	SLU	-18829.00	-1664.79	104.37	-18829.00	-154604.00	10028.70	2-3	3.75	92.880
29	1666.67	1	SLU	-18229.00	-1490.62	93.45	-18229.00	-154345.00	10012.50	2-3	3.75	>100
30	1726.19	1	SLU	-17631.30	-1305.71	81.86	-17631.30	-154088.00	9996.38	2-3	3.75	>100
31	1785.71	1	SLU	-17035.80	-1119.44	70.18	-17035.80	-153832.00	9980.31	2-3	3.75	>100
32	1845.24	1	SLU	-16442.50	-938.97	58.87	-2571250.00	-153577.00	9964.32	2-3	3.75	>100
33	1904.76	1	SLU	-15851.30	-769.51	48.24	-2571250.00	-153323.00	9948.38	2-3	3.75	>100
34	1964.29	1	SLU	-15262.10	-614.66	38.53	-2571250.00	-153070.00	9932.50	2-3	3.75	>100
35	2023.81	1	SLU	-14674.90	-476.71	29.89	-2571250.00	-152817.00	9916.69	2-3	3.75	>100
36	2083.33	1	SLU	-14089.50	-356.87	22.37	-2571250.00	-152562.00	9900.69	2-3	3.75	>100
37	2142.86	1	SLU	-13505.80	-255.53	16.02	-2571250.00	-152311.00	9884.93	2-3	3.75	>100
38	2202.38	1	SLU	-12923.90	-172.48	10.81	-2571250.00	-152058.00	9869.29	2-3	3.75	>100
39	2261.90	1	SLU	-12343.70	-107.06	6.71	-2571250.00	-151807.00	9853.68	2-3	3.75	>100
40	2321.43	1	SLU	-11765.00	-58.29	3.65	-2571250.00	-151556.00	9838.12	2-3	3.75	>100
41	2380.95	1	SLU	-11187.80	-25.04	1.57	-2571250.00	-151305.00	9822.60	2-3	3.75	>100
42	2440.48	1	SLU	-10612.00	-6.04	0.38	-2571250.00	-151056.00	9807.11	2-3	3.75	>100
43	2500.00	1	SLU	-10037.60	0.00	0.00	-2571250.00					>100

Stato limite ultimo – Verifiche a taglio

Caso	X <cm>	CC	TCC	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1	0.00	1	SLU	7820.97	470.83	0.85	11.31	7835.13	1.00	32294.70	336682.00	32294.70	4.122
2	59.52	1	SLU	3154.92	189.93	0.85	11.31	3160.63	1.00	32294.70	336753.00	32294.70	10.218
3	119.05	1	SLU	-455.25	-27.41	0.85	11.31	456.07	1.00	32294.70	336654.00	32294.70	70.811
4	178.57	1	SLU	-3144.54	-189.31	0.85	11.31	3150.24	1.00	32294.70	336556.00	32294.70	10.252
5	238.09	1	SLU	-5047.20	-303.85	0.85	11.31	5056.33	1.00	32294.70	336459.00	32294.70	6.387
6	297.62	1	SLU	-6292.02	-378.79	0.85	11.31	6303.41	1.00	32294.70	336362.00	32294.70	5.123
7	357.14	1	SLU	-6999.17	-421.36	0.85	11.31	7011.84	1.00	32294.70	336266.00	32294.70	4.606
8	416.67	1	SLU	-7277.98	-438.14	0.85	11.31	7291.16	1.00	32294.70	336171.00	32294.70	4.429
9	476.19	1	SLU	-7225.77	-435.00	0.85	11.31	7238.85	1.00	32294.70	336076.00	32294.70	4.461
10	535.71	1	SLU	-6927.34	-417.04	0.85	11.31	6939.88	1.00	32294.70	335981.00	32294.70	4.654
11	595.24	1	SLU	-6455.09	-388.61	0.85	11.31	6466.77	1.00	32294.70	335888.00	32294.70	4.994
12	654.76	1	SLU	-5869.50	-353.35	0.85	11.31	5880.13	1.00	32294.70	335794.00	32294.70	5.492
13	714.29	1	SLU	-5219.99	-314.25	0.85	11.31	5229.44	1.00	32294.70	335702.00	32294.70	6.176
14	773.81	1	SLU	-4545.86	-273.67	0.85	11.31	4554.09	1.00	32294.70	335609.00	32294.70	7.091
15	833.33	1	SLU	-3877.46	-233.43	0.85	11.31	3884.48	1.00	32294.70	335518.00	32294.70	8.314
16	892.86	1	SLU	-3237.34	-194.89	0.85	11.31	3243.20	1.00	32294.70	335426.00	32294.70	9.958
17	952.38	1	SLU	-2641.36	-159.01	0.85	11.31	2646.14	1.00	32294.70	335336.00	32294.70	12.204
18	1011.90	1	SLU	-2099.84	-126.41	0.85	11.31	2103.64	1.00	32294.70	335245.00	32294.70	15.352
19	1071.43	1	SLU	-1618.55	-97.44	0.85	11.31	1621.48	1.00	32294.70	335155.00	32294.70	19.917
20	1130.95	1	SLU	-1199.66	-72.22	0.85	11.31	1201.83	1.00	32294.70	335066.00	32294.70	26.871
21	1190.48	1	SLU	-842.56	-50.72	0.85	11.31	844.09	1.00	32294.70	334977.00	32294.70	38.260
22	1250.00	1	SLU	-544.58	-32.78	0.85	11.31	545.56	1.00	32294.70	334888.00	32294.70	59.195
23	1309.52	1	SLU	-301.58	-18.16	0.85	11.31	302.12	1.00	32294.70	334800.00	32294.70	>100
24	1369.05	1	SLU	-108.51	-6.53	0.85	11.31	108.71	1.00	32294.70	334712.00	32294.70	>100
25	1428.57	1	SLU	40.20	2.42	0.85	11.31	40.27	1.00	32294.70	334625.00	32294.70	>100
26	1488.10	1	SLU	150.32	9.05	0.85	11.31	150.59	1.00	32294.70	334538.00	32294.70	>100
27	1547.62	1	SLU	227.54	13.70	0.85	11.31	227.96	1.00	32294.70	334451.00	32294.70	>100
28	1607.14	1	SLU	277.31	16.69	0.85	11.31	277.81	1.00	32294.70	334365.00	32294.70	>100
29	1666.67	1	SLU	304.65	18.34	0.85	11.31	305.20	1.00	32294.70	334279.00	32294.70	>100
30	1726.19	1	SLU	314.14	18.91	0.85	11.31	314.71	1.00	32294.70	334194.00	32294.70	>100
31	1785.71	1	SLU	309.82	18.65	0.85	11.31	310.39	1.00	32294.70	334108.00	32294.70	>100
32	1845.24	1	SLU	295.21	17.77	0.85	11.31	295.75	1.00	32294.70	334023.00	32294.70	>100
33	1904.76	1	SLU	273.27	16.45	0.85	11.31	273.76	1.00	32294.70	333939.00	32294.70	>100
34	1964.29	1	SLU	246.47	14.84	0.85	11.31	246.91	1.00	32294.70	333854.00	32294.70	>100
35	2023.81	1	SLU	216.80	13.05	0.85	11.31	217.19	1.00	32294.70	333770.00	32294.70	>100
36	2083.33	1	SLU	185.83	11.19	0.85	11.31	186.17	1.00	32294.70	333686.00	32294.70	>100
37	2142.86	1	SLU	154.78	9.32	0.85	11.31	155.06	1.00	32294.70	333603.00	32294.70	>100
38	2202.38	1	SLU	124.50	7.50	0.85	11.31	124.73	1.00	32294.70	333519.00	32294.70	>100
39	2261.90	1	SLU	95.63	5.76	0.85	11.31	95.81	1.00	32294.70	333436.00	32294.70	>100
40	2321.43	1	SLU	68.57	4.13	0.85	11.31	68.69	1.00	32294.70	333353.00	32294.70	>100
41	2380.95	1	SLU	43.54	2.62	0.85	11.31	43.62	1.00	32294.70	333271.00	32294.70	>100
42	2440.48	1	SLU	20.67	1.24	0.85	11.31	20.71	1.00	32294.70	333188.00	32294.70	>100

Verifiche stato limite d'esercizio

Caso	X <cm>	CC	TCC	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ_C <daN/cmq>	σ_f <daN/cmq>
44	0.00	2	SLE R	-25928.30	-1988.53	31719.40	47.12	31.42	31.44	846.74
45	59.52	2	SLE R	-26531.00	-2137.61	34097.50	47.12	31.42	33.87	928.02
46	119.05	2	SLE R	-26056.70	-2172.64	34656.20	47.12	31.42	34.47	955.35
47	178.57	2	SLE R	-25585.70	-2120.93	33831.40	47.12	31.42	33.64	930.62
48	238.09	2	SLE R	-25118.00	-2006.08	31999.30	47.12	31.42	31.77	867.99

49	297.62	2	SLE R	-24653.40	-1848.01	29478.00	47.12	31.42	29.19	779.55
50	357.14	2	SLE R	-24192.00	-1663.24	26530.60	47.12	31.42	26.16	675.37
51	416.67	2	SLE R	-23733.60	-1465.08	23369.70	47.12	31.42	22.90	563.71
52	476.19	2	SLE R	-23278.30	-1264.00	20162.30	47.12	31.42	19.58	451.20
53	535.71	2	SLE R	-22825.90	-1067.94	17035.00	47.12	31.42	16.32	343.15
54	595.24	2	SLE R	-22376.40	-882.69	14080.00	40.84	37.70	13.22	243.96
55	654.76	2	SLE R	-21929.80	-712.18	11360.20	40.84	37.70	10.37	157.64
56	714.29	2	SLE R	-21485.90	-558.84	8914.22	34.56	43.98	7.86	107.16
57	773.81	2	SLE R	-21044.80	-423.88	6761.31	28.27	50.27	5.81	80.54
58	833.33	2	SLE R	-20606.30	-307.52	4905.30	21.99	56.55	4.34	61.02
59	892.86	2	SLE R	-20170.50	-209.29	3338.40	0.00	78.54	3.37	47.96
60	952.38	2	SLE R	-19737.20	-128.17	2044.45	0.00	78.54	2.66	38.37
61	1011.90	2	SLE R	-19306.40	-62.79	1001.52	0.00	78.54	2.09	30.55
62	1071.43	2	SLE R	-18878.10	-11.55	184.17	0.00	78.54	1.63	24.31
63	1130.95	2	SLE R	-18452.10	27.25	-434.73	0.00	78.54	1.72	25.56
64	1190.48	2	SLE R	-18028.50	55.33	-882.65	0.00	78.54	1.92	28.21
65	1250.00	2	SLE R	-17607.20	74.37	-1186.30	0.00	78.54	2.05	29.83
66	1309.52	2	SLE R	-17188.20	85.94	-1370.88	0.00	78.54	2.11	30.63
67	1369.05	2	SLE R	-16771.30	91.50	-1459.54	0.00	78.54	2.12	30.74
68	1428.57	2	SLE R	-16356.50	92.35	-1473.07	0.00	78.54	2.09	30.33
69	1488.10	2	SLE R	-15943.90	89.63	-1429.77	0.00	78.54	2.04	29.52
70	1547.62	2	SLE R	-15533.20	84.34	-1345.37	0.00	78.54	1.96	28.43
71	1607.14	2	SLE R	-15124.50	77.31	-1233.18	0.00	78.54	1.87	27.14
72	1666.67	2	SLE R	-14717.80	69.22	-1104.16	0.00	78.54	1.77	25.73
73	1726.19	2	SLE R	-14312.90	60.63	-967.19	0.00	78.54	1.66	24.27
74	1785.71	2	SLE R	-13909.80	51.98	-829.22	0.00	78.54	1.56	22.81
75	1845.24	2	SLE R	-13508.50	43.60	-695.53	0.00	78.54	1.46	21.38
76	1904.76	2	SLE R	-13108.90	35.73	-570.01	0.00	78.54	1.36	20.00
77	1964.29	2	SLE R	-12711.00	28.54	-455.31	0.00	78.54	1.27	18.71
78	2023.81	2	SLE R	-12314.60	22.14	-353.12	0.00	78.54	1.18	17.51
79	2083.33	2	SLE R	-11919.90	16.57	-264.35	0.00	78.54	1.11	16.40
80	2142.86	2	SLE R	-11526.70	11.87	-189.28	0.00	78.54	1.03	15.39
81	2202.38	2	SLE R	-11134.90	8.01	-127.77	0.00	78.54	0.97	14.48
82	2261.90	2	SLE R	-10744.50	4.97	-79.30	0.00	78.54	0.91	13.66
83	2321.43	2	SLE R	-10355.50	2.71	-43.18	0.00	78.54	0.86	12.93
84	2380.95	2	SLE R	-9967.84	1.16	-18.55	0.00	78.54	0.82	12.28
85	2440.48	2	SLE R	-9581.42	0.28	-4.47	0.00	78.54	0.78	11.71
86	2500.00	2	SLE R	-9196.22	0.00	0.00	0.00	78.54	0.75	11.21
87	0.00	4	SLE Q	-25928.30	-1988.53	31719.40	47.12	31.42	31.44	846.74
88	59.52	4	SLE Q	-26531.00	-2137.61	34097.50	47.12	31.42	33.87	928.02
89	119.05	4	SLE Q	-26056.70	-2172.64	34656.20	47.12	31.42	34.47	955.35
90	178.57	4	SLE Q	-25585.70	-2120.93	33831.40	47.12	31.42	33.64	930.62
91	238.09	4	SLE Q	-25118.00	-2006.08	31999.30	47.12	31.42	31.77	867.99
92	297.62	4	SLE Q	-24653.40	-1848.01	29478.00	47.12	31.42	29.19	779.55
93	357.14	4	SLE Q	-24192.00	-1663.24	26530.60	47.12	31.42	26.16	675.37
94	416.67	4	SLE Q	-23733.60	-1465.08	23369.70	47.12	31.42	22.90	563.71
95	476.19	4	SLE Q	-23278.30	-1264.00	20162.30	47.12	31.42	19.58	451.20
96	535.71	4	SLE Q	-22825.90	-1067.94	17035.00	47.12	31.42	16.32	343.15
97	595.24	4	SLE Q	-22376.40	-882.69	14080.00	40.84	37.70	13.22	243.96
98	654.76	4	SLE Q	-21929.80	-712.18	11360.20	40.84	37.70	10.37	157.64
99	714.29	4	SLE Q	-21485.90	-558.84	8914.22	34.56	43.98	7.86	107.16
100	773.81	4	SLE Q	-21044.80	-423.88	6761.31	28.27	50.27	5.81	80.54
101	833.33	4	SLE Q	-20606.30	-307.52	4905.30	21.99	56.55	4.34	61.02
102	892.86	4	SLE Q	-20170.50	-209.29	3338.40	0.00	78.54	3.37	47.96
103	952.38	4	SLE Q	-19737.20	-128.17	2044.45	0.00	78.54	2.66	38.37
104	1011.90	4	SLE Q	-19306.40	-62.79	1001.52	0.00	78.54	2.09	30.55
105	1071.43	4	SLE Q	-18878.10	-11.55	184.17	0.00	78.54	1.63	24.31
106	1130.95	4	SLE Q	-18452.10	27.25	-434.73	0.00	78.54	1.72	25.56
107	1190.48	4	SLE Q	-18028.50	55.33	-882.65	0.00	78.54	1.92	28.21
108	1250.00	4	SLE Q	-17607.20	74.37	-1186.30	0.00	78.54	2.05	29.83
109	1309.52	4	SLE Q	-17188.20	85.94	-1370.88	0.00	78.54	2.11	30.63
110	1369.05	4	SLE Q	-16771.30	91.50	-1459.54	0.00	78.54	2.12	30.74
111	1428.57	4	SLE Q	-16356.50	92.35	-1473.07	0.00	78.54	2.09	30.33
112	1488.10	4	SLE Q	-15943.90	89.63	-1429.77	0.00	78.54	2.04	29.52
113	1547.62	4	SLE Q	-15533.20	84.34	-1345.37	0.00	78.54	1.96	28.43
114	1607.14	4	SLE Q	-15124.50	77.31	-1233.18	0.00	78.54	1.87	27.14
115	1666.67	4	SLE Q	-14717.80	69.22	-1104.16	0.00	78.54	1.77	25.73
116	1726.19	4	SLE Q	-14312.90	60.63	-967.19	0.00	78.54	1.66	24.27
117	1785.71	4	SLE Q	-13909.80	51.98	-829.22	0.00	78.54	1.56	22.81
118	1845.24	4	SLE Q	-13508.50	43.60	-695.53	0.00	78.54	1.46	21.38
119	1904.76	4	SLE Q	-13108.90	35.73	-570.01	0.00	78.54	1.36	20.00
120	1964.29	4	SLE Q	-12711.00	28.54	-455.31	0.00	78.54	1.27	18.71
121	2023.81	4	SLE Q	-12314.60	22.14	-353.12	0.00	78.54	1.18	17.51
122	2083.33	4	SLE Q	-11919.90	16.57	-264.35	0.00	78.54	1.11	16.40
123	2142.86	4	SLE Q	-11526.70	11.87	-189.28	0.00	78.54	1.03	15.39
124	2202.38	4	SLE Q	-11134.90	8.01	-127.77	0.00	78.54	0.97	14.48

125	2261.90	4	SLE Q	-10744.50	4.97	-79.30	0.00	78.54	0.91	13.66
126	2321.43	4	SLE Q	-10355.50	2.71	-43.18	0.00	78.54	0.86	12.93
127	2380.95	4	SLE Q	-9967.84	1.16	-18.55	0.00	78.54	0.82	12.28
128	2440.48	4	SLE Q	-9581.42	0.28	-4.47	0.00	78.54	0.78	11.71
129	2500.00	4	SLE Q	-9196.22	0.00	0.00	0.00	78.54	0.75	11.21

Stato limite d'esercizio - Verifiche a fessurazione

Caso	X <cm>	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	c <mm>	s <mm>	K_2	Φ_{eq}	Δ_{sm} <mm>	A_s <cmq>	$A_{c\ eff}$ <cmq>	σ_s <daN/cmq>	ε_{sm}	Wk <mm>
87	0.00	4	SLE Q	-25928.30	31719.40	-1988.53	46.00	136.36	0.50	20.00	208.25	21.99	1278.27	846.74	0.25	0.09
88	59.52	4	SLE Q	-26531.00	34097.50	-2137.61	46.00	136.36	0.50	20.00	208.76	21.99	1283.84	928.02	0.27	0.10
89	119.05	4	SLE Q	-26056.70	34656.20	-2172.64	46.00	136.36	0.50	20.00	209.09	21.99	1287.51	955.35	0.28	0.10
90	178.57	4	SLE Q	-25585.70	33831.40	-2120.93	46.00	136.36	0.50	20.00	209.04	21.99	1286.90	930.62	0.27	0.10
91	238.09	4	SLE Q	-25118.00	31999.30	-2006.08	46.00	136.36	0.50	20.00	208.67	21.99	1282.88	867.99	0.25	0.09
92	297.62	4	SLE Q	-24653.40	29478.00	-1848.01	46.00	136.36	0.50	20.00	208.01	21.99	1275.56	779.55	0.23	0.08
93	357.14	4	SLE Q	-24192.00	26530.60	-1663.24	46.00	136.36	0.50	20.00	207.00	21.99	1264.50	675.37	0.20	0.07
94	416.67	4	SLE Q	-23733.60	23369.70	-1465.08	46.00	136.36	0.50	20.00	205.57	21.99	1248.74	563.71	0.16	0.06
95	476.19	4	SLE Q	-23278.30	20162.30	-1264.00	46.00	136.36	0.50	20.00	203.54	21.99	1226.49	451.20	0.13	0.05
96	535.71	4	SLE Q	-22825.90	17035.00	-1067.94	46.00	136.36	0.50	20.00	200.65	21.99	1194.62	343.15	0.10	0.03
97	595.24	4	SLE Q	-22376.40	14080.00	-882.69	46.00	136.36	0.50	20.00	196.29	21.99	1146.76	243.96	0.07	0.02
98	654.76	4	SLE Q	-21929.80	11360.20	-712.18	46.00	136.36	0.50	20.00	189.41	21.99	1071.13	157.64	0.05	0.01
99	714.29	4	SLE Q	-21485.90	8914.22	-558.84	46.00	136.36	0.50	20.00	212.13	15.71	943.50	88.48	0.03	0.01
100	773.81	4	SLE Q	-21044.80	6761.31	-423.88	46.00	136.36	0.50	20.00	180.81	15.71	697.52	40.34	0.01	0.00
101	833.33	4	SLE Q	-20606.30	4905.30	-307.52	46.00	136.36	0.50	20.00	156.62	9.42	304.51	12.77	0.00	0.00
130	0.00	3	SLE F	-25928.30	31719.40	-1988.53	46.00	136.36	0.50	20.00	208.25	21.99	1278.27	846.74	0.25	0.09
131	59.52	3	SLE F	-26531.00	34097.50	-2137.61	46.00	136.36	0.50	20.00	208.76	21.99	1283.84	928.02	0.27	0.10
132	119.05	3	SLE F	-26056.70	34656.20	-2172.64	46.00	136.36	0.50	20.00	209.09	21.99	1287.51	955.35	0.28	0.10
133	178.57	3	SLE F	-25585.70	33831.40	-2120.93	46.00	136.36	0.50	20.00	209.04	21.99	1286.90	930.62	0.27	0.10
134	238.09	3	SLE F	-25118.00	31999.30	-2006.08	46.00	136.36	0.50	20.00	208.67	21.99	1282.88	867.99	0.25	0.09
135	297.62	3	SLE F	-24653.40	29478.00	-1848.01	46.00	136.36	0.50	20.00	208.01	21.99	1275.56	779.55	0.23	0.08
136	357.14	3	SLE F	-24192.00	26530.60	-1663.24	46.00	136.36	0.50	20.00	207.00	21.99	1264.50	675.37	0.20	0.07
137	416.67	3	SLE F	-23733.60	23369.70	-1465.08	46.00	136.36	0.50	20.00	205.57	21.99	1248.74	563.71	0.16	0.06
138	476.19	3	SLE F	-23278.30	20162.30	-1264.00	46.00	136.36	0.50	20.00	203.54	21.99	1226.49	451.20	0.13	0.05
139	535.71	3	SLE F	-22825.90	17035.00	-1067.94	46.00	136.36	0.50	20.00	200.65	21.99	1194.62	343.15	0.10	0.03
140	595.24	3	SLE F	-22376.40	14080.00	-882.69	46.00	136.36	0.50	20.00	196.29	21.99	1146.76	243.96	0.07	0.02
141	654.76	3	SLE F	-21929.80	11360.20	-712.18	46.00	136.36	0.50	20.00	189.41	21.99	1071.13	157.64	0.05	0.01
142	714.29	3	SLE F	-21485.90	8914.22	-558.84	46.00	136.36	0.50	20.00	212.13	15.71	943.50	88.48	0.03	0.01
143	773.81	3	SLE F	-21044.80	6761.31	-423.88	46.00	136.36	0.50	20.00	180.81	15.71	697.52	40.34	0.01	0.00
144	833.33	3	SLE F	-20606.30	4905.30	-307.52	46.00	136.36	0.50	20.00	156.62	9.42	304.51	12.77	0.00	0.00

Verifiche principali

Caso	Tipo
1	SLU Taglio - min. sic. c.a.,SLU Taglio - min. sic. acciaio
3	SLU N cost - min. sic.
46	C.Rare - Sc min (max compr.),C.Rare - Sf max (max traz.),C.Rare - Sf min (max compr.)
60	C.Rare - Sc max (min. compr.)
89	C.Q.Per. - Sc min (max compr.),C.Q.Per. - Sf max (max traz.),C.Q.Per. - Sf min (max compr.),C.Q.Per. - Wk Max
103	C.Q.Per. - Sc max (min. compr.)
132	C.Freq - Wk Max

Verifiche sezioni aste

Simbologia

Δ_{sm} = Distanza media tra le fessure
Φ_{eq} = Diametro equivalente delle barre
α = Angolo asse neutro a rottura
ε_{sm} = Deformazione unitaria media dell'armatura (*1000)
σ_s = Tensione nell'acciaio nella sezione fessurata
$A_{c\ eff}$ = Area di calcestruzzo efficace
A_s = Area complessiva dei ferri nell'area di calcestruzzo efficace
Asw = Area armatura trasversale
B = Base
CC = Numero della combinazione delle condizioni di carico elementari
Caso = Caso di verifica
Cf = Copriferro
Cls = Tipo di calcestruzzo
Fcd = Resistenza di calcolo a compressione del calcestruzzo
Fck = Resistenza caratteristica cilindrica a compressione del calcestruzzo
Fctd = Resistenza di calcolo a trazione del calcestruzzo
Fctk = Resistenza caratteristica a trazione del calcestruzzo
Fyd = Resistenza di calcolo dell'acciaio
Fyk = Tensione caratteristica di snervamento dell'acciaio
H = Altezza
K_2 = Coefficiente per distribuzione deformazioni
M'ydy = Momento resistente massimo in campo sostanzialmente elastico intorno all'asse Y
M'ydz = Momento resistente massimo in campo sostanzialmente elastico intorno all'asse Z
MRdy = Momento resistente allo stato limite ultimo intorno all'asse Y
MRdz = Momento resistente allo stato limite ultimo intorno all'asse Z
My = Momento flettente intorno all'asse Y

Mz = Momento flettente intorno all'asse Z
N = Sforzo normale
Nu = Sforzo normale ultimo
Rott. = Tipo di rottura
1-2 = Rott. acciaio: $\varepsilon_Y=\varepsilon_{Yd}$, $\varepsilon_C<\varepsilon_{Cu}$
2-3 = Rott. cls: $\varepsilon_Y<\varepsilon_{Yd}$, $\varepsilon_C=\varepsilon_{Cu}$
3-4 = Rott. cls: $\varepsilon_{C0}<\varepsilon_C<\varepsilon_{Cu}$
Sez. = Numero della sezione
Sic. = Sicurezza
TCC = Tipo di combinazione di carico
SLU = Stato limite ultimo
SLE R = Stato limite d'esercizio, combinazione rara
SLE F = Stato limite d'esercizio, combinazione frequente
SLE Q = Stato limite d'esercizio, combinazione quasi permanente
Tipo = Tipo di verifica effettuata
Tp = Tipo di acciaio
Ty = Taglio in dir. Y
Tz = Taglio in dir. Z
VRcd = Taglio ultimo lato calcestruzzo
VRsd = Taglio ultimo lato armatura
Vrdu = Taglio ultimo resistente
Vsdu = Taglio agente nella direzione del momento ultimo
Wk = Ampiezza caratteristica delle fessure
bw = Larghezza membratura resistente al taglio
c = Ricoprimento dell'armatura
ctgθ = Cotangente dell'angolo di inclinazione dei puntoni di calcestruzzo
s = Distanza massima tra le barre

SEZIONE N.2

Sezione: Rettangolare - Dati geometrici della sezione

Base <m>	=	1.14
Altezza <m>	=	2.60

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B <cm>	H <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
2	R	114.00	260.00	3.00	C40/50	415.00	25.17	235.17	16.78	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Caso	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	Rott.	α <grad>	Sic.
1		SLU	0.00	1495380.00	0.00	0.00	1521540.00	-0.00	1-2	180.00	1.017

Stato limite ultimo - Verifiche a taglio

Caso	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1	0.00	0.00	1.14	40.21	0.00	2.50	909893.00	1069120.00	909893.00	---

Verifiche principali

Caso	Tipo
1	SLU N cost - min. sic.

SEZIONE N.3

Sezione: Rettangolare - Dati geometrici della sezione

Base <m>	=	0.83
Altezza <m>	=	3.50

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B <cm>	H <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
3	R	83.00	350.00	3.00	C40/50	415.00	25.17	235.17	16.78	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Caso	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	Rott.	α <grad>	Sic.
1		SLU	0.00	1912180.00	0.00	0.00	1923790.00	-0.00	1-2	180.00	1.006

Stato limite ultimo - Verifiche a taglio

Caso	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1	0.00	0.00	0.83	40.21	0.00	2.28	1120840.00	1120840.00	1120840.00	---

Verifiche principali

Caso	Tipo
1	SLU N cost - min. sic.

SEZIONE N.4

Sezione: Rettangolare - Dati geometrici della sezione

Base <m>	=	1.00
Altezza <m>	=	4.10

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B <cm>	H <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
4	R	100.00	410.00	3.00	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Caso	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	Rott.	α <grad>	Sic.
1		SLU	0.00	4900000.00	0.00	0.00	5041800.00	-0.00	2-3	180.00	1.029

Stato limite ultimo - Verifiche a taglio

Caso	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1	0.00	0.00	1.00	40.21	0.00	2.06	1185560.00	1185560.00	1185560.00	---

Verifiche principali

Caso	Tipo
1	SLU N cost - min. sic.

SEZIONE N.5

Sezione: Rettangolare - Dati geometrici della sezione

Base <m>	=	1.00
Altezza <m>	=	1.50

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B <cm>	H <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
5	R	100.00	150.00	3.00	C40/50	415.00	25.17	235.17	16.78	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Caso	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	Rott.	α <grad>	Sic.
1		SLU	0.00	333029.00	0.00	0.00	334403.00	-1.28	1-2	180.65	1.004

Stato limite ultimo - Verifiche a taglio

Caso	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1	0.00	0.00	1.00	20.11	0.00	2.50	262166.00	540466.00	262166.00	---

Verifiche principali

Caso	Tipo
1	SLU N cost - min. sic.

SEZIONE N.6

Sezione: Rettangolare - Dati geometrici della sezione

Base <m>	=	1.00
Altezza <m>	=	2.60

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B <cm>	H <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
6	R	100.00	260.00	3.00	C40/50	415.00	25.17	235.17	16.78	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Caso	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	Rott.	α <grad>	Sic.
1		SLU	0.00	905275.00	0.00	0.00	981919.00	-0.00	1-2	180.00	1.085

Stato limite ultimo - Verifiche a taglio

Caso	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1	0.00	0.00	1.00	40.21	0.00	2.50	909893.00	937828.00	909893.00	---

Verifiche principali

Caso	Tipo
1	SLU N cost - min. sic.

SEZIONE N.7

Sezione: Rettangolare - Dati geometrici della sezione

Base <m>	=	1.00
Altezza <m>	=	3.50

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B <cm>	H <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
7	R	100.00	350.00	3.00	C40/50	415.00	25.17	235.17	16.78	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Caso	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	Rott.	α <grad>	Sic.
1		SLU	0.00	1549990.00	0.00	0.00	1664910.00	0.00	1-2	180.00	1.074

Stato limite ultimo - Verifiche a taglio

Caso	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1	0.00	0.00	1.00	40.21	0.00	2.50	1228530.00	1266250.00	1228530.00	---

Verifiche principali

Caso	Tipo
1	SLU N cost - min. sic.

SEZIONE N.8

Sezione: Rettangolare - Dati geometrici della sezione

Base <m>	=	1.00
Altezza <m>	=	4.10

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B <cm>	H <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
8	R	100.00	410.00	3.00	C40/50	415.00	25.17	235.17	16.78	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Caso	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	Rott.	α <grad>	Sic.
1		SLU	0.00	4115770.00	0.00	0.00	4274690.00	6.74	1-2	182.50	1.039

Stato limite ultimo - Verifiche a taglio

Caso	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1	0.00	0.00	0.97	20.11	0.00	2.50	727283.00	1452460.00	727283.00	---

Verifiche principali

Caso	Tipo
1	SLU N cost - min. sic.

SEZIONE.1 BIS

Sezione: Rettangolare - Dati geometrici della sezione

Base <m>	=	2.14
Altezza <m>	=	1.50

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B <cm>	H <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
1	R	214.00	150.00	3.00	C40/50	415.00	25.17	235.17	16.78	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Caso	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	Rott.	α <grad>	Sic.
1		SLU	0.00	944488.00	0.00	0.00	960788.00	-11.36	1-2	179.45	1.017

Stato limite ultimo - Verifiche a taglio

Caso	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1	0.00	0.00	2.14	20.11	0.00	2.50	263799.00	1163780.00	263799.00	---

Verifiche principali

Caso	Tipo
1	SLU N cost - min. sic.

SEZIONE RADIALE 1

Sezione: Rettangolare - Dati geometrici della sezione

Base <m>	=	2.14
Altezza <m>	=	1.50

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B <cm>	H <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
1	R	214.00	150.00	3.00	C40/50	415.00	25.17	235.17	16.78	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Caso	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	Rott.	α <grad>	Sic.
1		SLU	0.00	996771.00	0.00	0.00	1079710.00	-44.75	1-2	179.92	1.083

Stato limite ultimo - Verifiche a taglio

Caso	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1	0.00	0.00	2.14	40.21	0.00	2.50	521479.00	1150230.00	521479.00	---

Verifiche principali

Caso	Tipo
1	SLU N cost - min. sic.

Computo armature, cls e acciaio nelle sezioni

Sezione	ø16 <daN>	ø20 <daN>	ø26 <daN>	ø30 <daN>	Peso <daN>	Vol. <mc>	ρ <daN/mc>
Sezione 2 (Sezione attacco testa pali ext concentr. 120x150) - Soll. man.	106.60	--	--	244.15	350.75	2.96	118.34
Sezione 3 (Sezione attacco pali int. radiale 258x150) - Soll. man.	128.49	--	--	233.05	361.54	2.90	124.45
Sezione 4 (Sezione attacco pali int. concentr. 120x150) - Soll. man.	151.00	--	--	532.69	683.69	4.10	166.75
Sezione 5 (SEZIONE 5 100X150) - Soll. man.	68.93	93.71	--	--	162.65	1.50	108.43
Sezione 6 (SEZIONE 6 100X260) - Soll. man.	103.66	--	158.38	--	262.03	2.60	100.78
Sezione 7 (SEZIONE 7 100X350) - Soll. man.	132.06	--	--	199.76	331.82	3.50	94.81
Sezione 8 (SEZIONE 8 100X410) - Soll. man.	151.00	--	--	432.81	583.81	4.10	142.39
Sezione 1 (Sezione d'attacco pali ext radiale 319x150) - Soll. man.	92.92	24.66	--	244.15	361.73	3.21	112.69
Sezione 1 (Sezione 1 214x150) - Soll. man.	92.92	24.66	--	277.44	395.02	3.21	123.06
Peso totale ferri	1027.59	143.04	158.38	2164.05	3493.05	28.09	124.36

Computo armature, cls e acciaio nei plinti/pali

Plinto/Palo	ø12 <daN>	ø20 <daN>	Peso <daN>	Vol. <mc>	ρ <daN/mc>
Palo 1	391.99	1584.50	1976.49	28.27	69.90
Palo 2	391.99	1584.50	1976.49	28.27	69.90
Palo 3	391.99	1584.50	1976.49	28.27	69.90
Palo 4	391.99	1584.50	1976.49	28.27	69.90
Palo 5	391.99	1584.50	1976.49	28.27	69.90
Palo 6	391.99	1584.50	1976.49	28.27	69.90
Palo 7	391.99	1584.50	1976.49	28.27	69.90
Palo 8	391.99	1584.50	1976.49	28.27	69.90
Palo 9	391.99	1584.50	1976.49	28.27	69.90
Palo 10	391.99	1584.50	1976.49	28.27	69.90
Palo 11	391.99	1584.50	1976.49	28.27	69.90
Palo 12	391.99	1584.50	1976.49	28.27	69.90
Palo 13	391.99	1584.50	1976.49	28.27	69.90
Palo 14	391.99	1584.50	1976.49	28.27	69.90
Palo 15	391.99	1584.50	1976.49	28.27	69.90
Palo 16	391.99	1584.50	1976.49	28.27	69.90
Palo 17	391.99	1584.50	1976.49	28.27	69.90
Palo 18	391.99	1584.50	1976.49	28.27	69.90
Palo 19	391.99	1584.50	1976.49	28.27	69.90
Palo 20	391.99	1584.50	1976.49	28.27	69.90
Palo 21	391.99	1584.50	1976.49	28.27	69.90
Palo 22	391.99	1584.50	1976.49	28.27	69.90
Palo 23	391.99	1584.50	1976.49	28.27	69.90
Palo 24	391.99	1584.50	1976.49	28.27	69.90
Palo 25	391.99	1584.50	1976.49	28.27	69.90
Palo 26	391.99	1584.50	1976.49	28.27	69.90
Palo 27	391.99	1584.50	1976.49	28.27	69.90
Palo 28	391.99	1584.50	1976.49	28.27	69.90
Palo 29	391.99	1584.50	1976.49	28.27	69.90
Palo 30	391.99	1584.50	1976.49	28.27	69.90
Palo 31	391.99	1584.50	1976.49	28.27	69.90
Palo 32	391.99	1584.50	1976.49	28.27	69.90
Palo 33	391.99	1584.50	1976.49	28.27	69.90
Peso totale ferri	12935.60	52288.60	65224.20	933.05	69.90

Criteri di analisi geotecnica e progetto delle fondazioni

Fondazioni profonde

Generali	
Generali	
Calcolo capacità portante per carichi verticali	Secondo formule statiche
Considera capacità portante	Entrambe
Condizioni di calcolo per terreni coesivi	Sia drenate che non drenate
Calcolo della profondità critica	No
Effettua calcolo elasto-plastico per cedimenti	Si
Effettua calcolo elasto-plastico per spostamenti orizzontali	Si
Rapporto di elasticità trazione/compressione pari a	1.00
Fattori di correlazione	1.70
Considera fattori di correlazione anche per carichi orizzontali	No
Considera peso del palo	No
Divisore del raggio del palo per lunghezza conci	1.00
Max numero conci palo	50.00
Attrito laterale limite da prove in sito	
Correlato con prove CPT	No
Correlato con prove SPT	No
Fattore di riduzione attrito laterale per pali trivellati	No
Pressione limite alla base da prove in sito	
Correlata con prove CPT	No
Correlata con prove SPT	No
Fattore di riduzione pressione limite alla base per pali trivellati	No
Spostamenti orizzontali	
Spostamenti orizzontali	Risposta elastica in funzione della stratigrafia

Specifici	1
Attrito laterale limite	
Calcolo dell'attrito laterale limite	Si
-Condizioni non drenate	
-Calcolo di α	
-Pari a	
-A.G.I. (1984)	x
-A.P.I. (1984)	
-Viggiani (1999)	
-Olson e Dennis (1982)	
-Stas e Kulhavy (1984)	
-Skempton (1986)	
-Reese e O'Neill (1989)	
-Metodo di Bustamente e Doix (1985) per micropali	No
-Iniezioni ripetute	x
-Unica iniezione	
-Condizioni drenate	
-Calcolo di β	
-Pari a	0.25
-Reese e O'Neill (1989)	
-Calcolato	
-Calcolo di k	
-Pari a	
-Dal rapporto con k_0 pari a	0.00
-Fleming (1985)	
-Calcolo di δ	
-Pari a <grad>	
-Dal rapporto con ϕ' pari a	0.00
-Calcolo di a' dal rapporto con c'	1.00
Calcolo dell'attrito laterale limite per trazione	
-Considera i risultati del calcolo per l'attrito laterale limite percompressione con un fattore di riduzione pari a	0.66
-Sowa (1970)	No
-Bowles (1991)	No
Considera l'effetto dell'attrito negativo	No
-Coefficiente di Lambe	
Pressione limite alla base	
Calcolo della pressione limite alla base del palo	Si
-Terzaghi (1943)	x
-Meyerhof (1963)	
-Hansen (1970)	
-Vesic (1975)	
-Berezantzev (1961)	
-Berezantzev (1965)	
-Stagg e Zienkiewicz (1968)	

-Relazione generale, coefficienti di capacità portante	
-In condizioni drenate	
-N_q	
-N_c	
-In condizioni non drenate	
-N_c	
-Fattore di riduzione per terreni coesivi sovraconsolidati	No
Cedimenti	
Risposta elastica laterale	
-Calcolata dalla rigidezza dello strato	x
-Coefficiente di influenza	4.00
-Pari a <daN/mq>	
Risposta elastica alla base	
-Calcolata dalla rigidezza dello strato	x
-Pari a <daN/mq>	
Spostamenti orizzontali	
Risposta elastica	
-Vesic (1961)	
-Broms (1964)	
-Glick (1948)	
-Chen (1978)	
-Pari a <daN/mq>	
-Dal modulo elastico	x
-Coefficiente effetto tridimensionale	2.00
Resistenza limite	
-Calcolata dai parametri plastici	x
-Coefficiente effetto tridimensionale resistenza per attrito	3.00
-Coefficiente effetto tridimensionale resistenza per coesione	4.00
-Pari a <daN/mq>	

Geotecnica

Elenco unità geotecniche

1 Argille marnose moderatamente consistenti:
Classificazione: Coesivo

Pesi:
- Peso specifico del terreno naturale: γ = 1960.00 daN/mc
- Peso specifico del terreno saturo: γ_{sat} = 1880.00 daN/mc

Parametri plastici:
- Angolo di attrito efficace: ϕ' = 23.00 grad
- Coesione efficace: c' = 1100.00 daN/mq
- Coesione non drenata: c_u = 3100.00 daN/mq

Caratteristiche litostatiche:
- Grado di sovraconsolidazione: OCR = 1.00
- Coeff. di spinta a riposo: κ_0 = 0.66

Parametri elastici:
- Modulo elastico normale: E = 2300000.00 daN/mq
- Modulo elastico tangenziale: G = 851900.00 daN/mq
- Esponente del parametro tensionale: k_j = 0.00
- Coeff. di Poisson: ν = 0.35
- Modulo edometrico: E_{ed} = 3691400.00 daN/mq
- Modulo elastico non drenato: E_u = 2555600.00 daN/mq

Elenco colonne stratigrafiche

Colonna stratigrafica numero 1
Posizione: X=0.00 <m> Y=0.00 <m> Z=0.00 <m>
Falda non presente

Simbologia
ϕ' = Angolo di attrito efficace
γ = Peso specifico del terreno naturale
γ_{sat} = Peso specifico del terreno saturo
κ_0 = Coeff. di spinta a riposo
Class. = Classificazione
Coes. = Coesivo
Crit. = Criterio di progetto
D_r = Densità relativa
I_p = Indice di plasticità
OCR = Grado di sovraconsolidazione
St. = Strato
Unità geotecnica = Unità geotecnica
c_u = Coesione non drenata

c' = Coesione efficace
z = Profondità della superficie superiore dello strato

St.	z <m>	Unità geotecnica	Class.	γ <daN/mc>	γ_{sat} <daN/mc>	D_r	I_p	ϕ' <grad>	c' <daN/mq>	c_u <daN/mq>	OCR	κ_0	Crit.
1	0.00	1 Argille marnose moderatamente consistenti	Coes.	1960.00	1880.00			23.00	1100.00	3100.00	1.00	0.66	1

Simbologia
ν = Coeff. di Poisson
Crit. = Criterio di progetto
E = Modulo elastico normale
E_{ed} = Modulo edometrico
E_u = Modulo elastico non drenato
G = Modulo elastico tangenziale
St. = Strato
k_j = Esponente del parametro tensionale
z = Profondità della superficie superiore dello strato

St.	z <m>	E <daN/mq>	G <daN/mq>	k_j	ν	E_{ed} <daN/mq>	E_u <daN/mq>	Crit.
1	0.00	2300000.00	851900.00	0.00	0.35	3691400.00	2555600.00	1

Strati Commenti Pressioni litostatiche

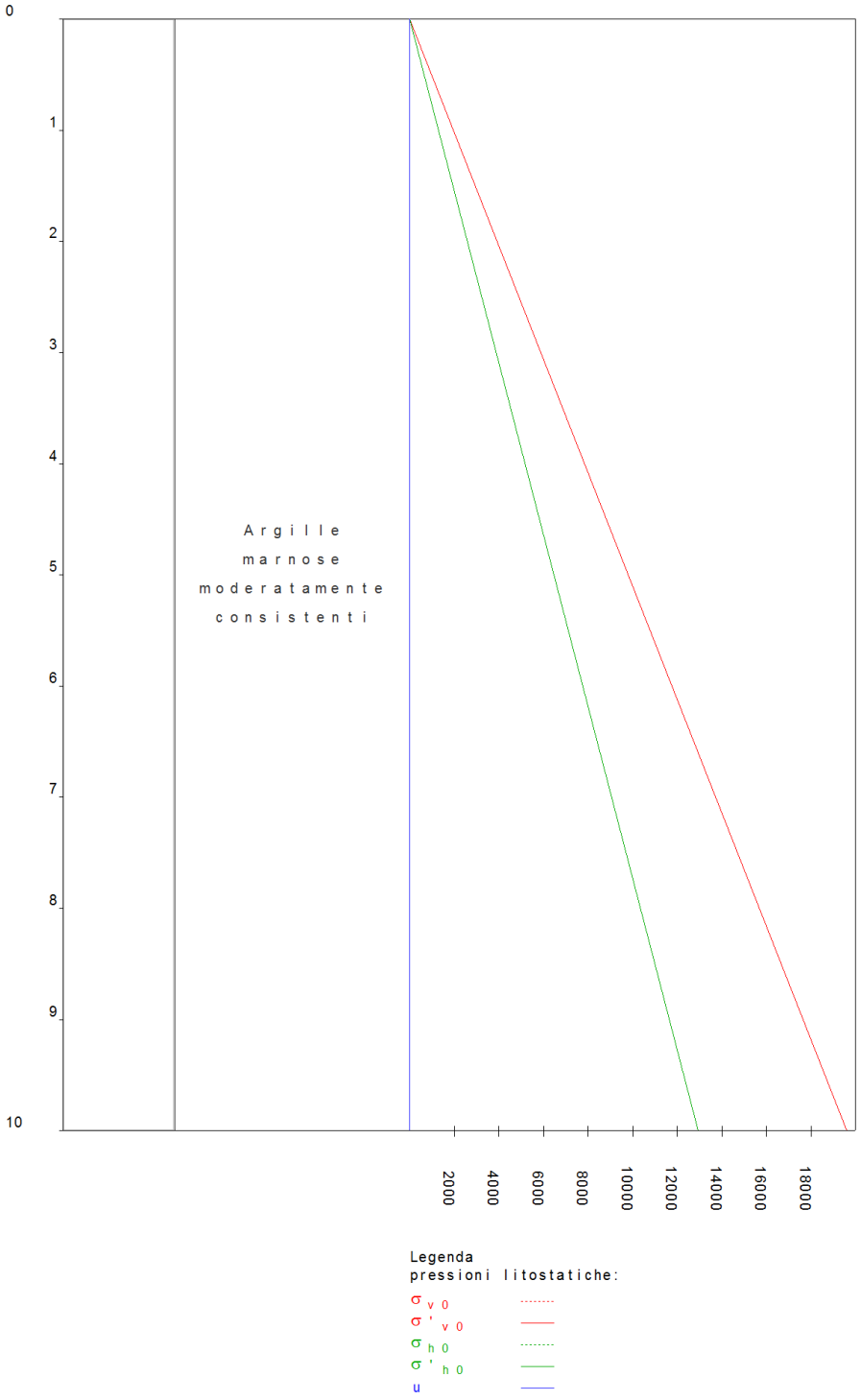

Figura numero 1: Colonna stratigrafica numero 1 COLONNA STRATIGRAFICA 1

Le verifiche degli elementi di fondazione sono state effettuate utilizzando l'approccio 2.

Coefficienti parziali per le azioni, per verifiche in condizioni statiche:
Permanenti strutturali, sicurezza a favore γ_A = 1.00;
Permanenti strutturali, sicurezza a sfavore γ_A = 1.30;
Permanenti non strutturali, sicurezza a favore γ_A = 0.00;
Permanenti non strutturali, sicurezza a sfavore γ_A = 1.50;
Variabili, sicurezza a favore γ_A = 0.00;
Variabili, sicurezza a sfavore γ_A = 1.50.

I coefficienti parziali per le azioni sono posti pari all'unità per le verifiche in condizioni sismiche.

Tali coefficienti sono comunque desumibili dalla tabella delle combinazioni delle CCE (Parametri di calcolo).

Coefficienti parziali per i parametri geotecnici:
Tangente dell'angolo di attrito γ_M = 1.00;
Coesione efficace γ_M = 1.00;
Coesione non drenata γ_M = 1.00;

Coefficienti parziali per la resistenza delle fondazioni superficiali:
Capacità portante γ_R = 2.30;
Scorrimento γ_R = 1.10;
Coefficienti parziali per la resistenza delle fondazioni profonde:
Per pali infissi:
Resistenza alla base γ_R,b = 1.15;
Resistenza laterale in compressione γ_R,s = 1.15;
Resistenza laterale in trazione γ_R,t = 1.25;
Per pali trivellati:
Resistenza alla base γ_R,b = 1.35;
Resistenza laterale in compressione γ_R,s = 1.15;
Resistenza laterale in trazione γ_R,t = 1.25;
Per pali ad elica continua:
Resistenza alla base γ_R,b = 1.30;
Resistenza laterale in compressione γ_R,s = 1.15;
Resistenza laterale in trazione γ_R,t = 1.25;
Fattore di correlazione per la determinazione della resistenza caratteristica desumibile dai criteri di progetto.

Fondazioni profonde

Simbologia
σ_h = Pressione limite per carichi orizzontali
τ_s = Attrito laterale limite per compressione
CC = Numero della combinazione delle condizioni di carico elementari
Caso = Caso di verifica
Ced = Cedimento calcolato
D = Profondità della testa del palo
Dp = Diametro pali
Lp = Lunghezza pali
M = Momento flettente
N = Sforzo normale
QP_{lim} = Resistenza di progetto alla base del palo
QS_{lim} = Resistenza laterale di progetto per compressione
Sic.O = Sicurezza a rottura orizzontale
Sic.V = Sicurezza a rottura verticale
Sps = Spostamento
T = Taglio in testa
Wp = Peso del palo
Zp = Profondità del tratto di integrazione
k_h = Risposta elastica per carichi orizzontali
k_p = Risposta elastica alla base del palo
k_s = Risposta elastica laterale per compressione
q_p = Pressione limite alla base del palo

Verifiche capacità portante e cedimenti

Palo n. 1

Tipo palo=Trivellato
Rotazione testa libera
Coefficiente di efficienza=1.00
Dp=1.200000 <m> Lp=25.000000 <m> Wp=70685.80 <daN> D=0.00 <m>
Colonna stratigrafica numero 1 COLONNA STRATIGRAFICA 1
Verifiche in condizioni drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.11	0.35	1.33	3.83
25.00	1.33	0.35	34.88	3.83

QS_{lim}=680940.00 <daN>
q_p=53.24 <daN/cmq>
QP_{lim}=602131.00 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni non drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.25	0.35	2.48	3.83
25.00	0.25	0.35	2.48	3.83

QS_{lim}=233736.00 <daN>
q_p=6.97 <daN/cmq>
QP_{lim}=78852.20 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
1	1	-155666.00	0.47	3.92	7227.56	56535.20	0.22	>1
3	2	-115308.00	0.34	--	5353.75	41877.90	0.16	--
5	3	-115308.00	0.34	--	5353.75	41877.90	0.16	--
7	4	-115308.00	0.34	--	5353.75	41877.90	0.16	--

Verifiche in condizioni non drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
2	1	-155666.00	0.46	<1	7227.56	56535.20	0.22	>1
4	2	-115308.00	0.34	--	5353.75	41877.90	0.16	--
6	3	-115308.00	0.34	--	5353.75	41877.90	0.16	--
8	4	-115308.00	0.34	--	5353.75	41877.90	0.16	--

Palo n. 2

Tipo palo=Trivellato
Rotazione testa libera
Coefficiente di efficienza=1.00
Dp=1.200000 <m> Lp=25.000000 <m> Wp=70685.80 <daN> D=0.00 <m>
Colonna stratigrafica numero 1 COLONNA STRATIGRAFICA 1
Verifiche in condizioni drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.11	0.35	1.33	3.83
25.00	1.33	0.35	34.88	3.83

QS_{lim}=680940.00 <daN>
q_p=53.24 <daN/cmq>
QP_{lim}=602131.00 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni non drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.25	0.35	2.48	3.83
25.00	0.25	0.35	2.48	3.83

QS_{lim}=233736.00 <daN>
q_p=6.97 <daN/cmq>
QP_{lim}=78852.20 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
1	1	-241125.00	0.74	2.53	6725.56	53707.40	0.21	>1
3	2	-178611.00	0.54	--	4981.89	39783.30	0.15	--
5	3	-178611.00	0.54	--	4981.89	39783.30	0.15	--
7	4	-178611.00	0.54	--	4981.89	39783.30	0.15	--

Verifiche in condizioni non drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
2	1	-241125.00	0.72	<1	6725.56	53707.40	0.21	>1
4	2	-178611.00	0.53	--	4981.89	39783.30	0.15	--
6	3	-178611.00	0.53	--	4981.89	39783.30	0.15	--
8	4	-178611.00	0.53	--	4981.89	39783.30	0.15	--

Palo n. 3

Tipo palo=Trivellato
Rotazione testa libera
Coefficiente di efficienza=1.00
Dp=1.200000 <m> Lp=25.000000 <m> Wp=70685.80 <daN> D=0.00 <m>
Colonna stratigrafica numero 1 COLONNA STRATIGRAFICA 1
Verifiche in condizioni drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.11	0.35	1.33	3.83
25.00	1.33	0.35	34.88	3.83

QS_{lim}=680940.00 <daN>
q_p=53.24 <daN/cmq>
QP_{lim}=602131.00 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni non drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.25	0.35	2.48	3.83
25.00	0.25	0.35	2.48	3.83

QS_{lim}=233736.00 <daN>
q_p=6.97 <daN/cmq>
QP_{lim}=78852.20 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
1	1	-319722.00	1.02	1.91	6188.91	40654.80	0.17	>1
3	2	-236831.00	0.73	--	4584.38	30114.60	0.12	--
5	3	-236831.00	0.73	--	4584.38	30114.60	0.12	--
7	4	-236831.00	0.73	--	4584.38	30114.60	0.12	--

Verifiche in condizioni non drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
2	1	-319722.00	***	<1	6188.91	40654.80	0.17	>1
4	2	-236831.00	0.70	--	4584.38	30114.60	0.12	--
6	3	-236831.00	0.70	--	4584.38	30114.60	0.12	--
8	4	-236831.00	0.70	--	4584.38	30114.60	0.12	--

Palo n. 4

Tipo palo=Trivellato
Rotazione testa libera
Coefficiente di efficienza=1.00
Dp=1.200000 <m> Lp=25.000000 <m> Wp=70685.80 <daN> D=0.00 <m>
Colonna stratigrafica numero 1 COLONNA STRATIGRAFICA 1
Verifiche in condizioni drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.11	0.35	1.33	3.83
25.00	1.33	0.35	34.88	3.83

QS_{lim}=680940.00 <daN>
q_p=53.24 <daN/cmq>
QP_{lim}=602131.00 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni non drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.25	0.35	2.48	3.83
25.00	0.25	0.35	2.48	3.83

QS_{lim}=233736.00 <daN>
q_p=6.97 <daN/cmq>
QP_{lim}=78852.20 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
1	1	-366998.00	1.19	1.66	5835.50	20960.20	0.11	>1
3	2	-271850.00	0.85	--	4322.59	15526.10	0.08	--
5	3	-271850.00	0.85	--	4322.59	15526.10	0.08	--
7	4	-271850.00	0.85	--	4322.59	15526.10	0.08	--

Verifiche in condizioni non drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O

2	1	-366998.00	***	<1	5835.50	20960.20	0.11	>1
4	2	-271850.00	1.32	--	4322.59	15526.10	0.08	--
6	3	-271850.00	1.32	--	4322.59	15526.10	0.08	--
8	4	-271850.00	1.32	--	4322.59	15526.10	0.08	--

Palo n. 5

Tipo palo=Trivellato
Rotazione testa libera
Coefficiente di efficienza=1.00
Dp=1.200000 <m> Lp=25.000000 <m> Wp=70685.80 <daN> D=0.00 <m>
Colonna stratigrafica numero 1 COLONNA STRATIGRAFICA 1
Verifiche in condizioni drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.11	0.35	1.33	3.83
25.00	1.33	0.35	34.88	3.83

QS_{lim}=680940.00 <daN>
q_p=53.24 <daN/cmq>
QP_{lim}=602131.00 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni non drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.25	0.35	2.48	3.83
25.00	0.25	0.35	2.48	3.83

QS_{lim}=233736.00 <daN>
q_p=6.97 <daN/cmq>
QP_{lim}=78852.20 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
1	1	-367455.00	1.20	1.66	5841.50	20667.10	0.11	>1
3	2	-272189.00	0.85	--	4327.04	15309.00	0.08	--
5	3	-272189.00	0.85	--	4327.04	15309.00	0.08	--
7	4	-272189.00	0.85	--	4327.04	15309.00	0.08	--

Verifiche in condizioni non drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
2	1	-367455.00	***	<1	5841.50	20667.10	0.11	>1
4	2	-272189.00	1.33	--	4327.04	15309.00	0.08	--
6	3	-272189.00	1.33	--	4327.04	15309.00	0.08	--
8	4	-272189.00	1.33	--	4327.04	15309.00	0.08	--

Palo n. 6

Tipo palo=Trivellato
Rotazione testa libera
Coefficiente di efficienza=1.00
Dp=1.200000 <m> Lp=25.000000 <m> Wp=70685.80 <daN> D=0.00 <m>
Colonna stratigrafica numero 1 COLONNA STRATIGRAFICA 1
Verifiche in condizioni drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.11	0.35	1.33	3.83
25.00	1.33	0.35	34.88	3.83

QS_{lim}=680940.00 <daN>
q_p=53.24 <daN/cmq>
QP_{lim}=602131.00 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni non drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.25	0.35	2.48	3.83
25.00	0.25	0.35	2.48	3.83

QS_{lim}=233736.00 <daN>
q_p=6.97 <daN/cmq>
QP_{lim}=78852.20 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
1	1	-320999.00	1.02	1.90	6197.60	40057.40	0.17	>1
3	2	-237777.00	0.73	--	4590.81	29672.10	0.12	--
5	3	-237777.00	0.73	--	4590.81	29672.10	0.12	--
7	4	-237777.00	0.73	--	4590.81	29672.10	0.12	--

Verifiche in condizioni non drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
2	1	-320999.00	***	<1	6197.60	40057.40	0.17	>1
4	2	-237777.00	0.71	--	4590.81	29672.10	0.12	--
6	3	-237777.00	0.71	--	4590.81	29672.10	0.12	--
8	4	-237777.00	0.71	--	4590.81	29672.10	0.12	--

Palo n. 7

Tipo palo=Trivellato
Rotazione testa libera
Coefficiente di efficienza=1.00
Dp=1.200000 <m> Lp=25.000000 <m> Wp=70685.80 <daN> D=0.00 <m>
Colonna stratigrafica numero 1 COLONNA STRATIGRAFICA 1
Verifiche in condizioni drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.11	0.35	1.33	3.83
25.00	1.33	0.35	34.88	3.83

QS_{lim}=680940.00 <daN>
q_p=53.24 <daN/cmq>
QP_{lim}=602131.00 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni non drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.25	0.35	2.48	3.83
25.00	0.25	0.35	2.48	3.83

QS_{lim}=233736.00 <daN>
q_p=6.97 <daN/cmq>
QP_{lim}=78852.20 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
1	1	-242013.00	0.74	2.52	6718.24	54055.40	0.21	>1
3	2	-179269.00	0.54	--	4976.47	40041.10	0.15	--
5	3	-179269.00	0.54	--	4976.47	40041.10	0.15	--
7	4	-179269.00	0.54	--	4976.47	40041.10	0.15	--

Verifiche in condizioni non drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
2	1	-242013.00	0.72	<1	6718.24	54055.40	0.21	>1
4	2	-179269.00	0.53	--	4976.47	40041.10	0.15	--
6	3	-179269.00	0.53	--	4976.47	40041.10	0.15	--
8	4	-179269.00	0.53	--	4976.47	40041.10	0.15	--

Palo n. 8

Tipo palo=Trivellato
Rotazione testa libera
Coefficiente di efficienza=1.00
Dp=1.200000 <m> Lp=25.000000 <m> Wp=70685.80 <daN> D=0.00 <m>
Colonna stratigrafica numero 1 COLONNA STRATIGRAFICA 1
Verifiche in condizioni drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.11	0.35	1.33	3.83
25.00	1.33	0.35	34.88	3.83

QS_{lim}=680940.00 <daN>
q_p=53.24 <daN/cmq>
QP_{lim}=602131.00 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni non drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.25	0.35	2.48	3.83
25.00	0.25	0.35	2.48	3.83

QS_{lim}=233736.00 <daN>
q_p=6.97 <daN/cmq>
QP_{lim}=78852.20 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
1	1	-155514.00	0.46	3.93	7201.02	57018.70	0.22	>1
3	2	-115196.00	0.34	--	5334.09	42236.10	0.16	--
5	3	-115196.00	0.34	--	5334.09	42236.10	0.16	--
7	4	-115196.00	0.34	--	5334.09	42236.10	0.16	--

Verifiche in condizioni non drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
2	1	-155514.00	0.46	<1	7201.02	57018.70	0.22	>1
4	2	-115196.00	0.34	--	5334.09	42236.10	0.16	--
6	3	-115196.00	0.34	--	5334.09	42236.10	0.16	--
8	4	-115196.00	0.34	--	5334.09	42236.10	0.16	--

Palo n. 9

Tipo palo=Trivellato
Rotazione testa libera
Coefficiente di efficienza=1.00
Dp=1.200000 <m> Lp=25.000000 <m> Wp=70685.80 <daN> D=0.00 <m>
Colonna stratigrafica numero 1 COLONNA STRATIGRAFICA 1
Verifiche in condizioni drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.11	0.35	1.33	3.83
25.00	1.33	0.35	34.88	3.83

QS_{lim}=680940.00 <daN>
q_p=53.24 <daN/cmq>
QP_{lim}=602131.00 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni non drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.25	0.35	2.48	3.83
25.00	0.25	0.35	2.48	3.83

QS_{lim}=233736.00 <daN>
q_p=6.97 <daN/cmq>
QP_{lim}=78852.20 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
1	1	-89766.80	0.27	6.80	7539.68	51408.50	0.21	>1
3	2	-66493.90	0.20	--	5584.95	38080.30	0.15	--
5	3	-66493.90	0.20	--	5584.95	38080.30	0.15	--
7	4	-66493.90	0.20	--	5584.95	38080.30	0.15	--

Verifiche in condizioni non drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
2	1	-89766.80	0.27	1.71	7539.68	51408.50	0.21	>1
4	2	-66493.90	0.20	--	5584.95	38080.30	0.15	--
6	3	-66493.90	0.20	--	5584.95	38080.30	0.15	--
8	4	-66493.90	0.20	--	5584.95	38080.30	0.15	--

Palo n. 10

Tipo palo=Trivellato
Rotazione testa libera
Coefficiente di efficienza=1.00
Dp=1.200000 <m> Lp=25.000000 <m> Wp=70685.80 <daN> D=0.00 <m>
Colonna stratigrafica numero 1 COLONNA STRATIGRAFICA 1
Verifiche in condizioni drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.11	0.35	1.33	3.83
25.00	1.33	0.35	34.88	3.83

QS_{lim}=680940.00 <daN>
q_p=53.24 <daN/cmq>
QP_{lim}=602131.00 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni non drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.25	0.35	2.48	3.83
25.00	0.25	0.35	2.48	3.83

QS_{lim}=233736.00 <daN>
q_p=6.97 <daN/cmq>
QP_{lim}=78852.20 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
1	1	-65554.50	0.19	9.32	7662.05	47332.30	0.20	>1
3	2	-48558.90	0.14	--	5675.59	35061.00	0.15	--
5	3	-48558.90	0.14	--	5675.59	35061.00	0.15	--
7	4	-48558.90	0.14	--	5675.59	35061.00	0.15	--

Verifiche in condizioni non drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
2	1	-65554.50	0.19	2.35	7662.05	47332.30	0.20	>1
4	2	-48558.90	0.14	--	5675.59	35061.00	0.15	--
6	3	-48558.90	0.14	--	5675.59	35061.00	0.15	--
8	4	-48558.90	0.14	--	5675.59	35061.00	0.15	--

Palo n. 11

Tipo palo=Trivellato
Rotazione testa libera
Coefficiente di efficienza=1.00
Dp=1.200000 <m> Lp=25.000000 <m> Wp=70685.80 <daN> D=0.00 <m>
Colonna stratigrafica numero 1 COLONNA STRATIGRAFICA 1
Verifiche in condizioni drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.11	0.35	1.33	3.83
25.00	1.33	0.35	34.88	3.83

QS_{lim}=680940.00 <daN>
q_p=53.24 <daN/cmq>
QP_{lim}=602131.00 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni non drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.25	0.35	2.48	3.83
25.00	0.25	0.35	2.48	3.83

QS_{lim}=233736.00 <daN>
q_p=6.97 <daN/cmq>
QP_{lim}=78852.20 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
1	1	-90377.90	0.27	6.76	7550.53	51319.90	0.21	>1
3	2	-66946.60	0.20	--	5592.99	38014.70	0.15	--
5	3	-66946.60	0.20	--	5592.99	38014.70	0.15	--
7	4	-66946.60	0.20	--	5592.99	38014.70	0.15	--

Verifiche in condizioni non drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
2	1	-90377.90	0.27	1.70	7550.53	51319.90	0.21	>1
4	2	-66946.60	0.20	--	5592.99	38014.70	0.15	--
6	3	-66946.60	0.20	--	5592.99	38014.70	0.15	--
8	4	-66946.60	0.20	--	5592.99	38014.70	0.15	--

Palo n. 12

Tipo palo=Trivellato
Rotazione testa libera
Coefficiente di efficienza=1.00
Dp=1.200000 <m> Lp=25.000000 <m> Wp=70685.80 <daN> D=0.00 <m>
Colonna stratigrafica numero 1 COLONNA STRATIGRAFICA 1
Verifiche in condizioni drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.11	0.35	1.33	3.83
25.00	1.33	0.35	34.88	3.83

QS_{lim}=680940.00 <daN>
q_p=53.24 <daN/cmq>
QP_{lim}=602131.00 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni non drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.25	0.35	2.48	3.83
25.00	0.25	0.35	2.48	3.83

QS_{lim}=233736.00 <daN>
q_p=6.97 <daN/cmq>
QP_{lim}=78852.20 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
1	1	-22439.10	0.07	27.21	7921.66	40938.60	0.19	>1
3	2	-16621.60	0.05	--	5867.90	30324.90	0.14	--
5	3	-16621.60	0.05	--	5867.90	30324.90	0.14	--
7	4	-16621.60	0.05	--	5867.90	30324.90	0.14	--

Verifiche in condizioni non drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
2	1	-22439.10	0.07	6.86	7921.66	40938.60	0.19	>1
4	2	-16621.60	0.05	--	5867.90	30324.90	0.14	--
6	3	-16621.60	0.05	--	5867.90	30324.90	0.14	--
8	4	-16621.60	0.05	--	5867.90	30324.90	0.14	--

Palo n. 13

Tipo palo=Trivellato
Rotazione testa libera

Coefficiente di efficienza=1.00
Dp=1.200000 <m> Lp=25.000000 <m> Wp=70685.80 <daN> D=0.00 <m>
Colonna stratigrafica numero 1 COLONNA STRATIGRAFICA 1
Verifiche in condizioni drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.11	0.35	1.33	3.83
25.00	1.33	0.35	34.88	3.83

QS_{lim}=680940.00 <daN>
q_p=53.24 <daN/cmq>
QP_{lim}=602131.00 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni non drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.25	0.35	2.48	3.83
25.00	0.25	0.35	2.48	3.83

QS_{lim}=233736.00 <daN>
q_p=6.97 <daN/cmq>
QP_{lim}=78852.20 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
1	1	-22677.90	0.07	26.93	7903.93	40953.00	0.19	>1
3	2	-16798.40	0.05	--	5854.77	30335.50	0.14	--
5	3	-16798.40	0.05	--	5854.77	30335.50	0.14	--
7	4	-16798.40	0.05	--	5854.77	30335.50	0.14	--

Verifiche in condizioni non drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
2	1	-22677.90	0.07	6.79	7903.93	40953.00	0.19	>1
4	2	-16798.40	0.05	--	5854.77	30335.50	0.14	--
6	3	-16798.40	0.05	--	5854.77	30335.50	0.14	--
8	4	-16798.40	0.05	--	5854.77	30335.50	0.14	--

Palo n. 14

Tipo palo=Trivellato
Rotazione testa libera
Coefficiente di efficienza=1.00
Dp=1.200000 <m> Lp=25.000000 <m> Wp=70685.80 <daN> D=0.00 <m>
Colonna stratigrafica numero 1 COLONNA STRATIGRAFICA 1
Verifiche in condizioni drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.11	0.35	1.33	3.83
25.00	1.33	0.35	34.88	3.83

QS_{lim}=680940.00 <daN>
q_p=53.24 <daN/cmq>
QP_{lim}=602131.00 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni non drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.25	0.35	2.48	3.83
25.00	0.25	0.35	2.48	3.83

QS_{lim}=233736.00 <daN>
q_p=6.97 <daN/cmq>
QP_{lim}=78852.20 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
1	1	-35630.70	0.11	17.14	7850.28	43403.30	0.19	>1
3	2	-26393.10	0.08	--	5815.02	32150.60	0.14	--
5	3	-26393.10	0.08	--	5815.02	32150.60	0.14	--
7	4	-26393.10	0.08	--	5815.02	32150.60	0.14	--

Verifiche in condizioni non drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
2	1	-35630.70	0.11	4.32	7850.28	43403.30	0.19	>1
4	2	-26393.10	0.08	--	5815.02	32150.60	0.14	--
6	3	-26393.10	0.08	--	5815.02	32150.60	0.14	--
8	4	-26393.10	0.08	--	5815.02	32150.60	0.14	--

Palo n. 15

Tipo palo=Trivellato
Rotazione testa libera
Coefficiente di efficienza=1.00
Dp=1.200000 <m> Lp=25.000000 <m> Wp=70685.80 <daN> D=0.00 <m>
Colonna stratigrafica numero 1 COLONNA STRATIGRAFICA 1
Verifiche in condizioni drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.11	0.35	1.33	3.83
25.00	1.33	0.35	34.88	3.83

QS_{lim}=680940.00 <daN>
q_p=53.24 <daN/cmq>
QP_{lim}=602131.00 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni non drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.25	0.35	2.48	3.83
25.00	0.25	0.35	2.48	3.83

QS_{lim}=233736.00 <daN>
q_p=6.97 <daN/cmq>
QP_{lim}=78852.20 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
1	1	-59959.30	0.18	10.18	7687.33	47245.50	0.20	>1
3	2	-44414.30	0.13	--	5694.32	34996.70	0.15	--
5	3	-44414.30	0.13	--	5694.32	34996.70	0.15	--
7	4	-44414.30	0.13	--	5694.32	34996.70	0.15	--

Verifiche in condizioni non drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
2	1	-59959.30	0.18	2.57	7687.33	47245.50	0.20	>1
4	2	-44414.30	0.13	--	5694.32	34996.70	0.15	--
6	3	-44414.30	0.13	--	5694.32	34996.70	0.15	--
8	4	-44414.30	0.13	--	5694.32	34996.70	0.15	--

Palo n. 16

Tipo palo=Trivellato
Rotazione testa libera
Coefficiente di efficienza=1.00
Dp=1.200000 <m> Lp=25.000000 <m> Wp=70685.80 <daN> D=0.00 <m>
Colonna stratigrafica numero 1 COLONNA STRATIGRAFICA 1
Verifiche in condizioni drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.11	0.35	1.33	3.83
25.00	1.33	0.35	34.88	3.83

QS_{lim}=680940.00 <daN>

q_p=53.24 <daN/cmq>
QP_{lim}=602131.00 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni non drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.25	0.35	2.48	3.83
25.00	0.25	0.35	2.48	3.83

QS_{lim}=233736.00 <daN>
q_p=6.97 <daN/cmq>
QP_{lim}=78852.20 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
1	1	-93954.70	0.28	6.50	7495.55	50965.90	0.21	>1
3	2	-69596.10	0.21	--	5552.26	37752.50	0.15	--
5	3	-69596.10	0.21	--	5552.26	37752.50	0.15	--
7	4	-69596.10	0.21	--	5552.26	37752.50	0.15	--

Verifiche in condizioni non drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
2	1	-93954.70	0.28	1.64	7495.55	50965.90	0.21	>1
4	2	-69596.10	0.21	--	5552.26	37752.50	0.15	--
6	3	-69596.10	0.21	--	5552.26	37752.50	0.15	--
8	4	-69596.10	0.21	--	5552.26	37752.50	0.15	--

Palo n. 17

Tipo palo=Trivellato
Rotazione testa libera
Coefficiente di efficienza=1.00
Dp=1.200000 <m> Lp=25.000000 <m> Wp=70685.80 <daN> D=0.00 <m>
Colonna stratigrafica numero 1 COLONNA STRATIGRAFICA 1
Verifiche in condizioni drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.11	0.35	1.33	3.83
25.00	1.33	0.35	34.88	3.83

QS_{lim}=680940.00 <daN>
q_p=53.24 <daN/cmq>
QP_{lim}=602131.00 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni non drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.25	0.35	2.48	3.83
25.00	0.25	0.35	2.48	3.83

QS_{lim}=233736.00 <daN>
q_p=6.97 <daN/cmq>
QP_{lim}=78852.20 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
1	1	-134605.00	0.40	4.54	7208.14	53638.30	0.21	>1
3	2	-99707.70	0.30	--	5339.36	39732.10	0.16	--
5	3	-99707.70	0.30	--	5339.36	39732.10	0.16	--
7	4	-99707.70	0.30	--	5339.36	39732.10	0.16	--

Verifiche in condizioni non drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
2	1	-134605.00	0.40	1.14	7208.14	53638.30	0.21	>1
4	2	-99707.70	0.30	--	5339.36	39732.10	0.16	--

6	3	-99707.70	0.30	--	5339.36	39732.10	0.16	--
8	4	-99707.70	0.30	--	5339.36	39732.10	0.16	--

Palo n. 18

Tipo palo=Trivellato
Rotazione testa libera
Coefficiente di efficienza=1.00
Dp=1.200000 <m> Lp=25.000000 <m> Wp=70685.80 <daN> D=0.00 <m>
Colonna stratigrafica numero 1 COLONNA STRATIGRAFICA 1
Verifiche in condizioni drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.11	0.35	1.33	3.83
25.00	1.33	0.35	34.88	3.83

QS_{lim}=680940.00 <daN>
q_p=53.24 <daN/cmq>
QP_{lim}=602131.00 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni non drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.25	0.35	2.48	3.83
25.00	0.25	0.35	2.48	3.83

QS_{lim}=233736.00 <daN>
q_p=6.97 <daN/cmq>
QP_{lim}=78852.20 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
1	1	-178142.00	0.54	3.43	6905.21	54466.30	0.21	>1
3	2	-131957.00	0.39	--	5114.97	40345.40	0.16	--
5	3	-131957.00	0.39	--	5114.97	40345.40	0.16	--
7	4	-131957.00	0.39	--	5114.97	40345.40	0.16	--

Verifiche in condizioni non drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
2	1	-178142.00	0.53	<1	6905.21	54466.30	0.21	>1
4	2	-131957.00	0.39	--	5114.97	40345.40	0.16	--
6	3	-131957.00	0.39	--	5114.97	40345.40	0.16	--
8	4	-131957.00	0.39	--	5114.97	40345.40	0.16	--

Palo n. 19

Tipo palo=Trivellato
Rotazione testa libera
Coefficiente di efficienza=1.00
Dp=1.200000 <m> Lp=25.000000 <m> Wp=70685.80 <daN> D=0.00 <m>
Colonna stratigrafica numero 1 COLONNA STRATIGRAFICA 1
Verifiche in condizioni drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.11	0.35	1.33	3.83
25.00	1.33	0.35	34.88	3.83

QS_{lim}=680940.00 <daN>
q_p=53.24 <daN/cmq>
QP_{lim}=602131.00 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni non drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.25	0.35	2.48	3.83
25.00	0.25	0.35	2.48	3.83

QS_{lim}=233736.00 <daN>
q_p=6.97 <daN/cmq>

QP_{lim}=78852.20 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
1	1	-223443.00	0.68	2.73	6531.87	53199.40	0.20	>1
3	2	-165514.00	0.50	--	4838.42	39407.00	0.15	--
5	3	-165514.00	0.50	--	4838.42	39407.00	0.15	--
7	4	-165514.00	0.50	--	4838.42	39407.00	0.15	--

Verifiche in condizioni non drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
2	1	-223443.00	0.66	<1	6531.87	53199.40	0.20	>1
4	2	-165514.00	0.49	--	4838.42	39407.00	0.15	--
6	3	-165514.00	0.49	--	4838.42	39407.00	0.15	--
8	4	-165514.00	0.49	--	4838.42	39407.00	0.15	--

Palo n. 20

Tipo palo=Trivellato
Rotazione testa libera
Coefficiente di efficienza=1.00
Dp=1.200000 <m> Lp=25.000000 <m> Wp=70685.80 <daN> D=0.00 <m>
Colonna stratigrafica numero 1 COLONNA STRATIGRAFICA 1
Verifiche in condizioni drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.11	0.35	1.33	3.83
25.00	1.33	0.35	34.88	3.83

QS_{lim}=680940.00 <daN>
q_p=53.24 <daN/cmq>
QP_{lim}=602131.00 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni non drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.25	0.35	2.48	3.83
25.00	0.25	0.35	2.48	3.83

QS_{lim}=233736.00 <daN>
q_p=6.97 <daN/cmq>
QP_{lim}=78852.20 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
1	1	-264502.00	0.82	2.31	6178.31	50142.50	0.19	>1
3	2	-195928.00	0.59	--	4576.53	37142.60	0.14	--
5	3	-195928.00	0.59	--	4576.53	37142.60	0.14	--
7	4	-195928.00	0.59	--	4576.53	37142.60	0.14	--

Verifiche in condizioni non drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
2	1	-264502.00	1.08	<1	6178.31	50142.50	0.19	>1
4	2	-195928.00	0.58	--	4576.53	37142.60	0.14	--
6	3	-195928.00	0.58	--	4576.53	37142.60	0.14	--
8	4	-195928.00	0.58	--	4576.53	37142.60	0.14	--

Palo n. 21

Tipo palo=Trivellato
Rotazione testa libera
Coefficiente di efficienza=1.00
Dp=1.200000 <m> Lp=25.000000 <m> Wp=70685.80 <daN> D=0.00 <m>
Colonna stratigrafica numero 1 COLONNA STRATIGRAFICA 1
Verifiche in condizioni drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>

0.00	0.11	0.35	1.33	3.83
25.00	1.33	0.35	34.88	3.83

QS_{lim}=680940.00 <daN>
q_p=53.24 <daN/cmq>
QP_{lim}=602131.00 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni non drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.25	0.35	2.48	3.83
25.00	0.25	0.35	2.48	3.83

QS_{lim}=233736.00 <daN>
q_p=6.97 <daN/cmq>
QP_{lim}=78852.20 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
1	1	-298514.00	0.94	2.05	5852.79	46130.70	0.18	>1
3	2	-221121.00	0.67	--	4335.40	34170.90	0.13	--
5	3	-221121.00	0.67	--	4335.40	34170.90	0.13	--
7	4	-221121.00	0.67	--	4335.40	34170.90	0.13	--

Verifiche in condizioni non drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
2	1	-298514.00	2.18	<1	5852.79	46130.70	0.18	>1
4	2	-221121.00	0.66	--	4335.40	34170.90	0.13	--
6	3	-221121.00	0.66	--	4335.40	34170.90	0.13	--
8	4	-221121.00	0.66	--	4335.40	34170.90	0.13	--

Palo n. 22

Tipo palo=Trivellato
Rotazione testa libera
Coefficiente di efficienza=1.00
Dp=1.200000 <m> Lp=25.000000 <m> Wp=70685.80 <daN> D=0.00 <m>
Colonna stratigrafica numero 1 COLONNA STRATIGRAFICA 1
Verifiche in condizioni drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.11	0.35	1.33	3.83
25.00	1.33	0.35	34.88	3.83

QS_{lim}=680940.00 <daN>
q_p=53.24 <daN/cmq>
QP_{lim}=602131.00 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni non drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.25	0.35	2.48	3.83
25.00	0.25	0.35	2.48	3.83

QS_{lim}=233736.00 <daN>
q_p=6.97 <daN/cmq>
QP_{lim}=78852.20 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
1	1	-323322.00	1.03	1.89	5609.54	41743.80	0.16	>1
3	2	-239498.00	0.74	--	4155.22	30921.40	0.12	--
5	3	-239498.00	0.74	--	4155.22	30921.40	0.12	--
7	4	-239498.00	0.74	--	4155.22	30921.40	0.12	--

Verifiche in condizioni non drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
2	1	-323322.00	***	<1	5609.54	41743.80	0.16	>1
4	2	-239498.00	0.71	--	4155.22	30921.40	0.12	--
6	3	-239498.00	0.71	--	4155.22	30921.40	0.12	--
8	4	-239498.00	0.71	--	4155.22	30921.40	0.12	--

Palo n. 23

Tipo palo=Trivellato
Rotazione testa libera
Coefficiente di efficienza=1.00
Dp=1.200000 <m> Lp=25.000000 <m> Wp=70685.80 <daN> D=0.00 <m>
Colonna stratigrafica numero 1 COLONNA STRATIGRAFICA 1
Verifiche in condizioni drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.11	0.35	1.33	3.83
25.00	1.33	0.35	34.88	3.83

QS_{lim}=680940.00 <daN>
q_p=53.24 <daN/cmq>
QP_{lim}=602131.00 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni non drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.25	0.35	2.48	3.83
25.00	0.25	0.35	2.48	3.83

QS_{lim}=233736.00 <daN>
q_p=6.97 <daN/cmq>
QP_{lim}=78852.20 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
1	1	-336192.00	1.08	1.82	5471.38	39183.90	0.16	>1
3	2	-249031.00	0.77	--	4052.87	29025.10	0.12	--
5	3	-249031.00	0.77	--	4052.87	29025.10	0.12	--
7	4	-249031.00	0.77	--	4052.87	29025.10	0.12	--

Verifiche in condizioni non drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
2	1	-336192.00	***	<1	5471.38	39183.90	0.16	>1
4	2	-249031.00	0.75	--	4052.87	29025.10	0.12	--
6	3	-249031.00	0.75	--	4052.87	29025.10	0.12	--
8	4	-249031.00	0.75	--	4052.87	29025.10	0.12	--

Palo n. 24

Tipo palo=Trivellato
Rotazione testa libera
Coefficiente di efficienza=1.00
Dp=1.200000 <m> Lp=25.000000 <m> Wp=70685.80 <daN> D=0.00 <m>
Colonna stratigrafica numero 1 COLONNA STRATIGRAFICA 1
Verifiche in condizioni drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.11	0.35	1.33	3.83
25.00	1.33	0.35	34.88	3.83

QS_{lim}=680940.00 <daN>
q_p=53.24 <daN/cmq>
QP_{lim}=602131.00 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni non drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>

0.00	0.25	0.35	2.48	3.83
25.00	0.25	0.35	2.48	3.83

QS_{lim}=233736.00 <daN>
q_p=6.97 <daN/cmq>
QP_{lim}=78852.20 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
1	1	-336421.00	1.08	1.82	5472.66	39136.10	0.16	>1
3	2	-249201.00	0.77	--	4053.82	28989.70	0.12	--
5	3	-249201.00	0.77	--	4053.82	28989.70	0.12	--
7	4	-249201.00	0.77	--	4053.82	28989.70	0.12	--

Verifiche in condizioni non drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
2	1	-336421.00	***	<1	5472.66	39136.10	0.16	>1
4	2	-249201.00	0.75	--	4053.82	28989.70	0.12	--
6	3	-249201.00	0.75	--	4053.82	28989.70	0.12	--
8	4	-249201.00	0.75	--	4053.82	28989.70	0.12	--

Palo n. 25

Tipo palo=Trivellato
Rotazione testa libera
Coefficiente di efficienza=1.00
Dp=1.200000 <m> Lp=25.000000 <m> Wp=70685.80 <daN> D=0.00 <m>
Colonna stratigrafica numero 1 COLONNA STRATIGRAFICA 1
Verifiche in condizioni drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.11	0.35	1.33	3.83
25.00	1.33	0.35	34.88	3.83

QS_{lim}=680940.00 <daN>
q_p=53.24 <daN/cmq>
QP_{lim}=602131.00 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni non drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.25	0.35	2.48	3.83
25.00	0.25	0.35	2.48	3.83

QS_{lim}=233736.00 <daN>
q_p=6.97 <daN/cmq>
QP_{lim}=78852.20 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
1	1	-323970.00	1.03	1.88	5605.50	41636.90	0.16	>1
3	2	-239977.00	0.74	--	4152.22	30842.20	0.12	--
5	3	-239977.00	0.74	--	4152.22	30842.20	0.12	--
7	4	-239977.00	0.74	--	4152.22	30842.20	0.12	--

Verifiche in condizioni non drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
2	1	-323970.00	***	<1	5605.50	41636.90	0.16	>1
4	2	-239977.00	0.71	--	4152.22	30842.20	0.12	--
6	3	-239977.00	0.71	--	4152.22	30842.20	0.12	--
8	4	-239977.00	0.71	--	4152.22	30842.20	0.12	--

Palo n. 26

Tipo palo=Trivellato
Rotazione testa libera
Coefficiente di efficienza=1.00
Dp=1.200000 <m> Lp=25.000000 <m> Wp=70685.80 <daN> D=0.00 <m>
Colonna stratigrafica numero 1 COLONNA STRATIGRAFICA 1

Verifiche in condizioni drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.11	0.35	1.33	3.83
25.00	1.33	0.35	34.88	3.83

QS_{lim}=680940.00 <daN>
q_p=53.24 <daN/cmq>
QP_{lim}=602131.00 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni non drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.25	0.35	2.48	3.83
25.00	0.25	0.35	2.48	3.83

QS_{lim}=233736.00 <daN>
q_p=6.97 <daN/cmq>
QP_{lim}=78852.20 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
1	1	-299541.00	0.94	2.04	5856.39	46014.30	0.18	>1
3	2	-221882.00	0.68	--	4338.07	34084.60	0.13	--
5	3	-221882.00	0.68	--	4338.07	34084.60	0.13	--
7	4	-221882.00	0.68	--	4338.07	34084.60	0.13	--

Verifiche in condizioni non drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
2	1	-299541.00	2.21	<1	5856.39	46014.30	0.18	>1
4	2	-221882.00	0.66	--	4338.07	34084.60	0.13	--
6	3	-221882.00	0.66	--	4338.07	34084.60	0.13	--
8	4	-221882.00	0.66	--	4338.07	34084.60	0.13	--

Palo n. 27

Tipo palo=Trivellato
Rotazione testa libera
Coefficiente di efficienza=1.00
Dp=1.200000 <m> Lp=25.000000 <m> Wp=70685.80 <daN> D=0.00 <m>
Colonna stratigrafica numero 1 COLONNA STRATIGRAFICA 1
Verifiche in condizioni drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.11	0.35	1.33	3.83
25.00	1.33	0.35	34.88	3.83

QS_{lim}=680940.00 <daN>
q_p=53.24 <daN/cmq>
QP_{lim}=602131.00 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni non drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.25	0.35	2.48	3.83
25.00	0.25	0.35	2.48	3.83

QS_{lim}=233736.00 <daN>
q_p=6.97 <daN/cmq>
QP_{lim}=78852.20 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
1	1	-265730.00	0.82	2.30	6183.91	50244.00	0.19	>1
3	2	-196837.00	0.60	--	4580.67	37217.80	0.14	--

5	3	-196837.00	0.60	--	4580.67	37217.80	0.14	--
7	4	-196837.00	0.60	--	4580.67	37217.80	0.14	--

Verifiche in condizioni non drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
2	1	-265730.00	1.12	<1	6183.91	50244.00	0.19	>1
4	2	-196837.00	0.58	--	4580.67	37217.80	0.14	--
6	3	-196837.00	0.58	--	4580.67	37217.80	0.14	--
8	4	-196837.00	0.58	--	4580.67	37217.80	0.14	--

Palo n. 28

Tipo palo=Trivellato
Rotazione testa libera
Coefficiente di efficienza=1.00
Dp=1.200000 <m> Lp=25.000000 <m> Wp=70685.80 <daN> D=0.00 <m>
Colonna stratigrafica numero 1 COLONNA STRATIGRAFICA 1
Verifiche in condizioni drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.11	0.35	1.33	3.83
25.00	1.33	0.35	34.88	3.83

QS_{lim}=680940.00 <daN>
q_p=53.24 <daN/cmq>
QP_{lim}=602131.00 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni non drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.25	0.35	2.48	3.83
25.00	0.25	0.35	2.48	3.83

QS_{lim}=233736.00 <daN>
q_p=6.97 <daN/cmq>
QP_{lim}=78852.20 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
1	1	-224546.00	0.69	2.72	6535.05	53383.20	0.20	>1
3	2	-166330.00	0.50	--	4840.78	39543.10	0.15	--
5	3	-166330.00	0.50	--	4840.78	39543.10	0.15	--
7	4	-166330.00	0.50	--	4840.78	39543.10	0.15	--

Verifiche in condizioni non drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
2	1	-224546.00	0.67	<1	6535.05	53383.20	0.20	>1
4	2	-166330.00	0.49	--	4840.78	39543.10	0.15	--
6	3	-166330.00	0.49	--	4840.78	39543.10	0.15	--
8	4	-166330.00	0.49	--	4840.78	39543.10	0.15	--

Palo n. 29

Tipo palo=Trivellato
Rotazione testa libera
Coefficiente di efficienza=1.00
Dp=1.200000 <m> Lp=25.000000 <m> Wp=70685.80 <daN> D=0.00 <m>
Colonna stratigrafica numero 1 COLONNA STRATIGRAFICA 1
Verifiche in condizioni drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.11	0.35	1.33	3.83
25.00	1.33	0.35	34.88	3.83

QS_{lim}=680940.00 <daN>
q_p=53.24 <daN/cmq>
QP_{lim}=602131.00 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni non drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.25	0.35	2.48	3.83
25.00	0.25	0.35	2.48	3.83

QS_{lim}=233736.00 <daN>
q_p=6.97 <daN/cmq>
QP_{lim}=78852.20 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
1	1	-178731.00	0.54	3.42	6905.56	54852.80	0.21	>1
3	2	-132393.00	0.39	--	5115.23	40631.70	0.16	--
5	3	-132393.00	0.39	--	5115.23	40631.70	0.16	--
7	4	-132393.00	0.39	--	5115.23	40631.70	0.16	--

Verifiche in condizioni non drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
2	1	-178731.00	0.53	<1	6905.56	54852.80	0.21	>1
4	2	-132393.00	0.39	--	5115.23	40631.70	0.16	--
6	3	-132393.00	0.39	--	5115.23	40631.70	0.16	--
8	4	-132393.00	0.39	--	5115.23	40631.70	0.16	--

Palo n. 30

Tipo palo=Trivellato
Rotazione testa libera
Coefficiente di efficienza=1.00
Dp=1.200000 <m> Lp=25.000000 <m> Wp=70685.80 <daN> D=0.00 <m>
Colonna stratigrafica numero 1 COLONNA STRATIGRAFICA 1
Verifiche in condizioni drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.11	0.35	1.33	3.83
25.00	1.33	0.35	34.88	3.83

QS_{lim}=680940.00 <daN>
q_p=53.24 <daN/cmq>
QP_{lim}=602131.00 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni non drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.25	0.35	2.48	3.83
25.00	0.25	0.35	2.48	3.83

QS_{lim}=233736.00 <daN>
q_p=6.97 <daN/cmq>
QP_{lim}=78852.20 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
1	1	-134611.00	0.40	4.54	7208.03	54178.10	0.21	>1
3	2	-99712.00	0.30	--	5339.28	40131.90	0.16	--
5	3	-99712.00	0.30	--	5339.28	40131.90	0.16	--
7	4	-99712.00	0.30	--	5339.28	40131.90	0.16	--

Verifiche in condizioni non drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
2	1	-134611.00	0.40	1.14	7208.03	54178.10	0.21	>1
4	2	-99712.00	0.30	--	5339.28	40131.90	0.16	--
6	3	-99712.00	0.30	--	5339.28	40131.90	0.16	--
8	4	-99712.00	0.30	--	5339.28	40131.90	0.16	--

Palo n. 31

Tipo palo=Trivellato
Rotazione testa libera
Coefficiente di efficienza=1.00
Dp=1.200000 <m> Lp=25.000000 <m> Wp=70685.80 <daN> D=0.00 <m>
Colonna stratigrafica numero 1 COLONNA STRATIGRAFICA 1
Verifiche in condizioni drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.11	0.35	1.33	3.83
25.00	1.33	0.35	34.88	3.83

QS_{lim}=680940.00 <daN>
q_p=53.24 <daN/cmq>
QP_{lim}=602131.00 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni non drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.25	0.35	2.48	3.83
25.00	0.25	0.35	2.48	3.83

QS_{lim}=233736.00 <daN>
q_p=6.97 <daN/cmq>
QP_{lim}=78852.20 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
1	1	-93054.30	0.28	6.56	7487.76	51313.90	0.21	>1
3	2	-68929.10	0.20	--	5546.49	38010.30	0.15	--
5	3	-68929.10	0.20	--	5546.49	38010.30	0.15	--
7	4	-68929.10	0.20	--	5546.49	38010.30	0.15	--

Verifiche in condizioni non drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
2	1	-93054.30	0.28	1.65	7487.76	51313.90	0.21	>1
4	2	-68929.10	0.20	--	5546.49	38010.30	0.15	--
6	3	-68929.10	0.20	--	5546.49	38010.30	0.15	--
8	4	-68929.10	0.20	--	5546.49	38010.30	0.15	--

Palo n. 32

Tipo palo=Trivellato
Rotazione testa libera
Coefficiente di efficienza=1.00
Dp=1.200000 <m> Lp=25.000000 <m> Wp=70685.80 <daN> D=0.00 <m>
Colonna stratigrafica numero 1 COLONNA STRATIGRAFICA 1
Verifiche in condizioni drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.11	0.35	1.33	3.83
25.00	1.33	0.35	34.88	3.83

QS_{lim}=680940.00 <daN>
q_p=53.24 <daN/cmq>
QP_{lim}=602131.00 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni non drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.25	0.35	2.48	3.83
25.00	0.25	0.35	2.48	3.83

QS_{lim}=233736.00 <daN>
q_p=6.97 <daN/cmq>
QP_{lim}=78852.20 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
1	1	-59197.90	0.18	10.32	7699.25	47388.20	0.20	>1
3	2	-43850.30	0.13	--	5703.14	35102.40	0.15	--
5	3	-43850.30	0.13	--	5703.14	35102.40	0.15	--
7	4	-43850.30	0.13	--	5703.14	35102.40	0.15	--

Verifiche in condizioni non drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
2	1	-59197.90	0.18	2.60	7699.25	47388.20	0.20	>1
4	2	-43850.30	0.13	--	5703.14	35102.40	0.15	--
6	3	-43850.30	0.13	--	5703.14	35102.40	0.15	--
8	4	-43850.30	0.13	--	5703.14	35102.40	0.15	--

Palo n. 33

Tipo palo=Trivellato
Rotazione testa libera
Coefficiente di efficienza=1.00
Dp=1.200000 <m> Lp=25.000000 <m> Wp=70685.80 <daN> D=0.00 <m>
Colonna stratigrafica numero 1 COLONNA STRATIGRAFICA 1
Verifiche in condizioni drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.11	0.35	1.33	3.83
25.00	1.33	0.35	34.88	3.83

QS_{lim}=680940.00 <daN>
q_p=53.24 <daN/cmq>
QP_{lim}=602131.00 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni non drenate

Zp <m>	τ_s <daN/cmq>	k_s <daN/cmc>	σ_h <daN/cmq>	k_h <daN/cmc>
0.00	0.25	0.35	2.48	3.83
25.00	0.25	0.35	2.48	3.83

QS_{lim}=233736.00 <daN>
q_p=6.97 <daN/cmq>
QP_{lim}=78852.20 <daN>
k_p=2.78 <daN/cmc>

Verifiche in condizioni drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
1	1	-35003.30	0.10	17.45	7835.13	43422.80	0.19	>1
3	2	-25928.30	0.08	--	5803.80	32165.00	0.14	--
5	3	-25928.30	0.08	--	5803.80	32165.00	0.14	--
7	4	-25928.30	0.08	--	5803.80	32165.00	0.14	--

Verifiche in condizioni non drenate

Caso	CC	N <daN>	Ced <cm>	Sic.V	T <daN>	M <daNm>	Sps <cm>	Sic.O
2	1	-35003.30	0.10	4.40	7835.13	43422.80	0.19	>1
4	2	-25928.30	0.08	--	5803.80	32165.00	0.14	--
6	3	-25928.30	0.08	--	5803.80	32165.00	0.14	--
8	4	-25928.30	0.08	--	5803.80	32165.00	0.14	--

Sintesi

Tipo di normativa: stati limite D.M. 18
Tipo di calcolo: statico

Dati generali della struttura
- Sito di costruzione: sconosciuto
- Edificio esistente: No
- Tipo di opera: Grande opera
- Vita nominale V_N: 100.00
- Classe d'uso: Classe III
- Coefficiente d'uso CU: 1.50
- Periodo di riferimento VR: 150.00

Condizioni di carico elementari

Simbologia
CCE = Numero della condizione di carico elementare
Comm. = Commento
Dir. = Direzione del vento
Jpx = Moltiplicatore del momento d'inerzia intorno all'asse X
Jpy = Moltiplicatore del momento d'inerzia intorno all'asse Y
Jpz = Moltiplicatore del momento d'inerzia intorno all'asse Z
Mx = Moltiplicatore della massa in dir. X
My = Moltiplicatore della massa in dir. Y
Mz = Moltiplicatore della massa in dir. Z
Sic. = Contributo alla sicurezza
S = a sfavore
Tipo = Tipologia di pressione vento
M = Massimizzata
E = Esterna
I = Interna
Tipo CCE = Tipo di CCE per calcolo agli stati limite
Var. = Tipo di variabilità
B = di base
s = Coeff. di riduzione (T.A. o S.L. D.M. 96)

CCE	Comm.	Tipo CCE	Sic.	Var.	s	Dir. <grad>	Tipo	Mx	My	Mz	Jpx	Jpy	Jpz
1		1	S	--	1.00	--	--	1.00	1.00	0.00	0.00	0.00	1.00

Materiali

Cemento armato
Elenco dei criteri di progetto e delle loro principali caratteristiche meccaniche utilizzate:
Sezioni generiche: 3 Solo normativa generica

Calcestruzzo

Tipo di calcestruzzo: C40/50
Rck calcestruzzo (Rck calcestruzzo): 500.00 <daN/cmq>
Resistenza caratteristica cilindrica a compressione del calcestruzzo (Fck): 415.00 <daN/cmq>
Resistenza caratteristica a trazione del calcestruzzo (Fctk): 25.17 <daN/cmq>
α_{cc}: 0.85
γ_c: 1.50
Resistenza di calcolo a compressione del calcestruzzo (Fcd): 235.17 <daN/cmq>
Resistenza di calcolo a trazione del calcestruzzo (Fctd): 16.78 <daN/cmq>

Acciaio

Tipo di acciaio: B450C
Tensione caratteristica di snervamento dell'acciaio (Fyk): 4500.00 <daN/cmq>
γ_s: 1.15
Resistenza di calcolo dell'acciaio (Fyd): 3913.04 <daN/cmq>

Sezioni generiche: 4 Solo normativa generica

Calcestruzzo

Tipo di calcestruzzo: C28/35
Rck calcestruzzo (Rck calcestruzzo): 350.00 <daN/cmq>
Resistenza caratteristica cilindrica a compressione del calcestruzzo (Fck): 290.50 <daN/cmq>
Resistenza caratteristica a trazione del calcestruzzo (Fctk): 19.84 <daN/cmq>
α_{cc}: 0.85
γ_c: 1.50
Resistenza di calcolo a compressione del calcestruzzo (Fcd): 164.62 <daN/cmq>
Resistenza di calcolo a trazione del calcestruzzo (Fctd): 13.23 <daN/cmq>

Acciaio

Tipo di acciaio: B450C
Tensione caratteristica di snervamento dell'acciaio (Fyk): 4500.00 <daN/cmq>
γ_s: 1.15
Resistenza di calcolo dell'acciaio (Fyd): 3913.04 <daN/cmq>

Plinti/Pali: 3

Calcestruzzo

Tipo di calcestruzzo: C30/37
Rck calcestruzzo (Rck calcestruzzo): 370.00 <daN/cmq>
Resistenza caratteristica cilindrica a compressione del calcestruzzo (Fck): 307.10 <daN/cmq>
Resistenza caratteristica a trazione del calcestruzzo (Fctk): 20.59 <daN/cmq>
α_{cc}: 0.85
γ_c: 1.50
Resistenza di calcolo a compressione del calcestruzzo (Fcd): 174.02 <daN/cmq>
Resistenza di calcolo a trazione del calcestruzzo (Fctd): 13.73 <daN/cmq>

Acciaio

Tipo di acciaio: B450C
Tensione caratteristica di snervamento dell'acciaio (Fyk): 4500.00 <daN/cmq>
γ_s: 1.15
Resistenza di calcolo dell'acciaio (Fyd): 3913.04 <daN/cmq>

Prove in sito

Elenco colonne stratigrafiche

Simbologia
ϕ' = Angolo di attrito efficace
γ = Peso specifico del terreno naturale
γ_{sat} = Peso specifico del terreno saturo
Class. = Classificazione
Coes. = Coesivo
E = Modulo elastico normale
E_{ed} = Modulo edometrico
G = Modulo elastico tangenziale
Spess. = Spessore
St. = Strato
Unità geotecnica = Unità geotecnica
c_u = Coesione non drenata
c' = Coesione efficace
z = Profondità della superficie superiore dello strato

Colonna stratigrafica numero 1 COLONNA STRATIGRAFICA 1

St.	z <m>	Spess. <cm>	Unità geotecnica	Class.	γ <daN/mc>	γ_{sat} <daN/mc>	ϕ' <grad>	c' <daN/mq>	c_u <daN/mq>	E <daN/mq>	G <daN/mq>	E_{ed} <daN/mq>
1	0.00	--	1 Argille marnose moderatamente consistenti	Coes.	1960.00	1880.00	23.00	1100.00	3100.00	2300000.00	851900.00	3691400.00

Le verifiche degli elementi di fondazione sono state effettuate utilizzando l'approccio 2 - Combinazione 1.
Coefficienti parziali per le azioni, per verifiche in condizioni statiche:
Permanenti strutturali, sicurezza a favore γ_A = 1.00;
Permanenti strutturali, sicurezza a sfavore γ_A = 1.30;
Permanenti non strutturali, sicurezza a favore γ_A = 0.00;
Permanenti non strutturali, sicurezza a sfavore γ_A = 1.50;
Variabili, sicurezza a favore γ_A = 0.00;
Variabili, sicurezza a sfavore γ_A = 1.50.

I coefficienti parziali per le azioni sono posti pari all'unità per le verifiche in condizioni sismiche.

Tali coefficienti sono comunque desumibili dalla tabella delle combinazioni delle CCE (Parametri di calcolo).

Coefficienti parziali per i parametri geotecnici:
Tangente dell'angolo di attrito γ_M = 1.00;
Coesione efficace γ_M = 1.00;
Coesione non drenata γ_M = 1.00;

Coefficienti parziali per la resistenza delle fondazioni superficiali:
Capacità portante γ_R = 2.30;
Scorrimento γ_R = 1.10;
Coefficienti parziali per la resistenza delle fondazioni profonde:
Per pali infissi:
Resistenza alla base $\gamma_{R,b}$ = 1.15;
Resistenza laterale in compressione $\gamma_{R,s}$ = 1.15;
Resistenza laterale in trazione $\gamma_{R,t}$ = 1.25;
Per pali trivellati:
Resistenza alla base $\gamma_{R,b}$ = 1.35;
Resistenza laterale in compressione $\gamma_{R,s}$ = 1.15;
Resistenza laterale in trazione $\gamma_{R,t}$ = 1.25;
Per pali ad elica continua:
Resistenza alla base $\gamma_{R,b}$ = 1.30;
Resistenza laterale in compressione $\gamma_{R,s}$ = 1.15;
Resistenza laterale in trazione $\gamma_{R,t}$ = 1.25;
Fattore di correlazione per la determinazione della resistenza caratteristica desumibile dai criteri di progetto.

Minimo coefficiente di sicurezza

Simbologia
CC = Numero della combinazione delle condizioni di carico elementari
Elem. = Elemento
Sic. = Sicurezza
TCC = Tipo di combinazione di carico
SLU = Stato limite ultimo
SLE R = Stato limite d'esercizio, combinazione rara
SLE F = Stato limite d'esercizio, combinazione frequente
SLE Q = Stato limite d'esercizio, combinazione quasi permanente
TV = Tipo di verifica
PRFL = Flessione e pressoflessione
TAG = Taglio o altre rotture fragili
NOD = Nodi in c.a. e collegamenti in acciaio
STAB = Stabilità
CP = Capacità portante
RNP = Resistenza nel piano
RFP = Resistenza fuori piano
CIN = Cinematismi
CON = Connessioni

Tabella elementi e minimo coefficiente di sicurezza

Elem.	CC	TCC	TV	Sic.
Sezione SEZIONE N.5		SLU	PRFL	1.004
Sezione SEZIONE N.2		SLU	TAG	>100.0

Minimo coefficiente di sicurezza:1.004