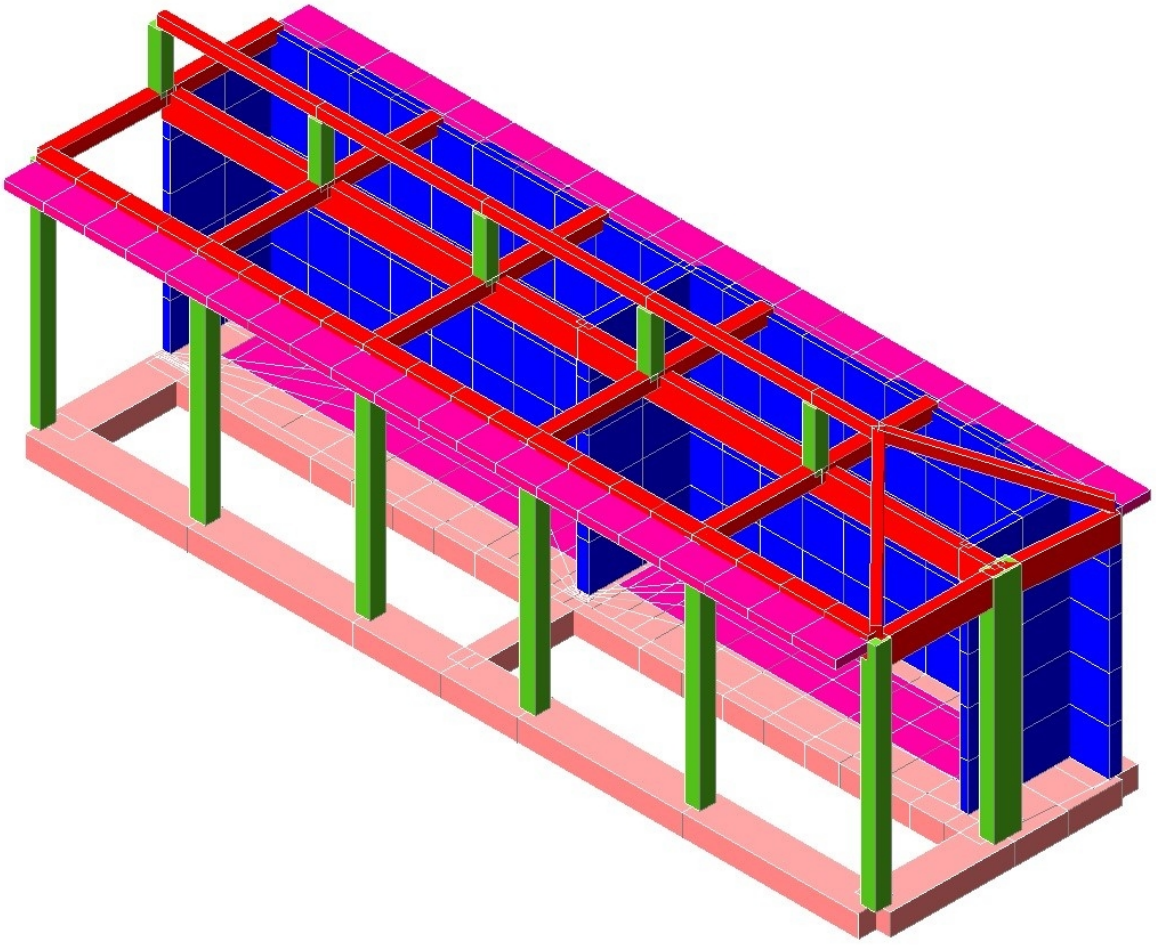
COMUNE DI MORETTA
PROVINCIA DI CUNEO

TABULATI DI CALCOLO CDS e CDG
STRUTTURE E FONDAZIONI

OGGETTO:	**Realizzazione di parte di nuovi loculi cimiteriali: II LOTTO**
COMMITTENTE:	**Comune di Moretta**



Il progettista
Dott. ing. Roberto Accastelli

RELAZIONE DI CALCOLO

Sono illustrati con la presente i risultati dei calcoli che riguardano il progetto delle armature, la verifica delle tensioni di lavoro dei materiali e del terreno.

• NORMATIVA DI RIFERIMENTO

I calcoli sono condotti nel pieno rispetto della normativa vigente e, in particolare, la normativa cui viene fatto riferimento nelle fasi di calcolo, verifica e progettazione è costituita dalle *Norme Tecniche per le Costruzioni*, emanate con il D.M. 17/01/2018 pubblicato nel suppl. 8 G.U. 42 del 20/02/2018, nonché la Circolare del Ministero Infrastrutture e Trasporti del 21 Gennaio 2019, n. 7 "*Istruzioni per l'applicazione dell'aggiornamento delle norme tecniche per le costruzioni*".

• METODI DI CALCOLO

I metodi di calcolo adottati per il calcolo sono i seguenti:

1) Per i carichi statici: *METODO DELLE DEFORMAZIONI*;

2) Per i carichi sismici: metodo dell'*ANALISI MODALE* o dell'*ANALISI SISMICA STATICA EQUIVALENTE*.

Per lo svolgimento del calcolo si è accettata l'ipotesi che, in corrispondenza dei piani sismici, i solai siano infinitamente rigidi nel loro piano e che le masse ai fini del calcolo delle forze di piano siano concentrate alle loro quote.

• CALCOLO SPOSTAMENTI E CARATTERISTICHE

II calcolo degli spostamenti e delle caratteristiche viene effettuato con il metodo degli elementi finiti (**F.E.M.**).

Possono essere inseriti due tipi di elementi:

1) Elemento monodimensionale asta (*beam*) che unisce due nodi aventi ciascuno 6 gradi di libertà. Per maggiore precisione di calcolo, viene tenuta in conto anche la deformabilità a taglio e quella assiale di questi elementi. Queste aste, inoltre, non sono considerate flessibili da nodo a nodo ma hanno sulla parte iniziale e finale due tratti infinitamente rigidi formati dalla parte di trave inglobata nello spessore del pilastro; questi tratti rigidi forniscono al nodo una dimensione reale.

2) L'elemento bidimensionale shell (*quad*) che unisce quattro nodi nello spazio. Il suo comportamento è duplice, funziona da lastra per i carichi agenti sul suo piano, da piastra per i carichi ortogonali.

Assemblate tutte le matrici di rigidezza degli elementi in quella della struttura spaziale, la risoluzione del sistema viene perseguita tramite il *metodo di Cholesky*.

Ai fini della risoluzione della struttura, gli spostamenti X e Y e le rotazioni attorno l'asse verticale Z di tutti i nodi che giacciono su di un impalcato dichiarato rigido sono mutuamente vincolati.

• RELAZIONE SUI MATERIALI

Le caratteristiche meccaniche dei materiali sono descritti nei tabulati riportati nel seguito per ciascuna tipologia di materiale utilizzato.

• ANALISI SISMICA DINAMICA A MASSE CONCENTRATE

L'analisi sismica dinamica è stata svolta con il metodo dell'analisi modale; la ricerca dei modi e delle relative frequenze è stata perseguita con il metodo delle "*iterazioni nel sottospazio*".

I modi di vibrazione considerati sono in numero tale da assicurare l'eccitazione di più dell'85% della massa totale della struttura.

Per ciascuna direzione di ingresso del sisma si sono valutate le forze modali che vengono applicate su ciascun nodo spaziale (tre forze, in direzione X, Y e Z, e tre momenti).

Per la verifica della struttura si è fatto riferimento all'analisi modale, pertanto sono prima calcolate le sollecitazioni e gli spostamenti modali e poi viene calcolato il loro valore efficace.

I valori stampati nei tabulati finali allegati sono proprio i suddetti valori efficaci e pertanto l'equilibrio ai nodi perde di significato. I valori delle sollecitazioni sismiche sono combinate linearmente (in somma e in differenza) con quelle per carichi statici per ottenere le sollecitazioni per sisma nelle due direzioni di calcolo.

Gli angoli delle direzioni di ingresso dei sismi sono valutati rispetto all'asse X del sistema di riferimento globale.

- **VERIFICHE**

Le verifiche, svolte secondo il metodo degli stati limite ultimi e di esercizio, si ottengono inviluppando tutte le condizioni di carico prese in considerazione.

In fase di verifica è stato differenziato l'elemento trave dall'elemento pilastro. Nell'elemento trave le armature sono disposte in modo asimmetrico, mentre nei pilastri sono sempre disposte simmetricamente.

Per l'elemento trave, l'armatura si determina suddividendola in cinque conci in cui l'armatura si mantiene costante, valutando per tali conci le massime aree di armatura superiore ed inferiore richieste in base ai momenti massimi riscontrati nelle varie combinazioni di carico esaminate. Lo stesso criterio è stato adottato per il calcolo delle staffe.

Anche l'elemento pilastro viene scomposto in cinque conci in cui l'armatura si mantiene costante. Vengono però riportate le armature massime richieste nella metà superiore (testa) e inferiore (piede).

La fondazione su travi rovesce è risolta contemporaneamente alla sovrastruttura tenendo in conto sia la rigidezza flettente che quella torcente, utilizzando per l'analisi agli elementi finiti l'elemento asta su suolo elastico alla *Winkler*.

Le travate possono incrociarsi con angoli qualsiasi e avere dei disassamenti rispetto ai pilastri su cui si appoggiano.

La ripartizione dei carichi, data la natura matriciale del calcolo, tiene automaticamente conto della rigidezza relativa delle varie travate convergenti su ogni nodo.

Le verifiche per gli elementi bidimensionali (setti) vengono effettuate sovrapponendo lo stato tensionale del comportamento a lastra e di quello a piastra. Vengono calcolate le armature delle due facce dell'elemento bidimensionale disponendo i ferri in due direzioni ortogonali.

- **DIMENSIONAMENTO MINIMO DELLE ARMATURE.**

Per il calcolo delle armature sono stati rispettati i minimi di legge di seguito riportati:

TRAVI:

1. Area minima delle staffe pari a 1.5*b mmq/ml, essendo b lo spessore minimo dell'anima misurato in mm, con passo non maggiore di 0,8 dell'altezza utile e con un minimo di 3 staffe al metro. In prossimità degli appoggi o di carichi concentrati per una lunghezza pari all' altezza utile della sezione, il passo minimo sarà 12 volte il diametro minimo dell'armatura longitudinale.

2. Armatura longitudinale in zona tesa $\geq$ 0,15% della sezione di calcestruzzo. Alle estremità è disposta una armatura inferiore minima che possa assorbire, allo stato limite ultimo, uno sforzo di trazione uguale al taglio.

3. In zona sismica, nelle zone critiche il passo staffe è non superiore al minimo di:

   - un quarto dell'altezza utile della sezione trasversale;
   - 175 mm e 225 mm, rispettivamente per CDA e CDB;
   - 6 volte e 8 volte il diametro minimo delle barre longitudinali considerate ai fini delle verifiche, rispettivamente per CDA e CDB;

- 24 volte il diametro delle armature trasversali.

Le zone critiche si estendono, per CDB e CDA, per una lunghezza pari rispettivamente a 1 e 1,5 volte l'altezza della sezione della trave, misurata a partire dalla faccia del nodo trave-pilastro. Nelle zone critiche della trave il rapporto fra l'armatura compressa e quella tesa è maggiore o uguale a 0,5.

PILASTRI:

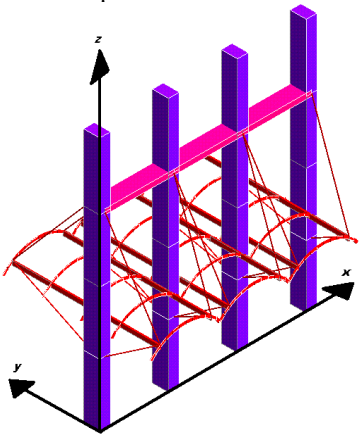
1. Armatura longitudinale compresa fra 0,3% e 4% della sezione effettiva e non minore di 0,10*Ned/fyd;
2. Barre longitudinali con diametro ≥ 12 mm;
3. Diametro staffe ≥ 6 mm e comunque ≥ 1/4 del diametro max delle barre longitudinali, con interasse non maggiore di 30 cm.
4. In zona sismica l'armatura longitudinale è almeno pari all'1% della sezione effettiva; il passo delle staffe di contenimento è non superiore alla più piccola delle quantità seguenti:

   - 1/3 e 1/2 del lato minore della sezione trasversale, rispettivamente per CDA e CDB;
   - 125 mm e 175 mm, rispettivamente per CDA e CDB;
   - 6 e 8 volte il diametro delle barre longitudinali che collegano, rispettivamente per CDA e CDB.

- **SISTEMI DI RIFERIMENTO**

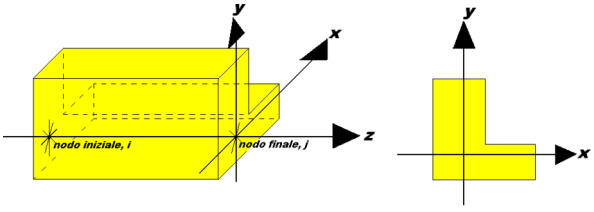
1) SISTEMA GLOBALE DELLA STRUTTURA SPAZIALE

Il sistema di riferimento globale è costituito da una terna destra di assi cartesiani ortogonali (O-XYZ) dove l'asse Z rappresenta l'asse verticale rivolto verso l'alto. Le rotazioni sono considerate positive se concordi con gli assi vettori:



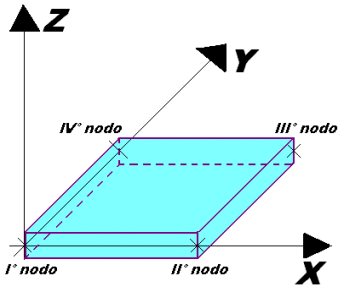
2) SISTEMA LOCALE DELLE ASTE

Il sistema di riferimento locale delle aste, inclinate o meno, è costituito da una terna destra di assi cartesiani ortogonali che ha l'asse Z coincidente con l'asse longitudinale dell'asta ed orientamento dal nodo iniziale al nodo finale, gli assi X ed Y sono orientati come nell'archivio delle sezioni:



3) SISTEMA LOCALE DELL'ELEMENTO SHELL

Il sistema di riferimento locale dell'elemento shell è costituito da una terna destra di assi cartesiani ortogonali che ha l'asse X coincidente con la direzione fra il primo ed il secondo nodo di input, l'asse Y giacente nel piano dello shell e l'asse Z in direzione dello spessore:



- **UNITÀ DI MISURA**

Si adottano le seguenti unità di misura:

[lunghezze]	= m
[forze]	= kgf / daN
[tempo]	= sec
[temperatura]	= °C

- **CONVENZIONI SUI SEGNI**

I carichi agenti sono:

1) Carichi e momenti distribuiti lungo gli assi coordinati;

2) Forze e coppie nodali concentrate sui nodi.

Le forze distribuite sono da ritenersi positive se concordi con il sistema di riferimento locale dell'asta, quelle concentrate sono positive se concordi con il sistema di riferimento globale.

I gradi di libertà nodali sono gli omologhi agli enti forza, e quindi sono definiti positivi se concordi a questi ultimi.

- **SPECIFICHE CAMPI TABELLA DI STAMPA**

Si riporta appresso la spiegazione delle sigle usate nella tabella coordinate nodi.

Nodo3d : ***Numero del nodo spaziale***

Coord.X : *Coordinata X del punto nel sistema di riferimento globale*

Coord.Y : *Coordinata Y del punto nel sistema di riferimento globale*

Coord.Z : *Coordinata Z del punto nel sistema di riferimento globale*

Filo : *Numero del filo per individuare le travate in c.a.*

Piano Sism. : *Numero del piano rigido di appartenenza del nodo*

Peso : *Peso sismico del nodo; ogni canale di carico è stato moltiplicato per il proprio coefficiente di riduzione del sovraccarico*

- **SPECIFICHE CAMPI TABELLA DI STAMPA**

Si riporta appresso la spiegazione delle sigle usate nella tabella dati di asta spaziale.

Asta3d : **Numero dell'asta spaziale**

Filo in. : *Numero del filo del nodo iniziale*
Filo fin. : *Numero del filo del nodo finale*
Q. iniz. : *Quota del nodo iniziale*
Q. fin. : *Quota del nodo finale*
Nod3d iniz. : *Numero del nodo iniziale*
Nod3d fin. : *Numero del nodo finale*
Cr. Pr. : *Numero del criterio di progetto per la verifica*
Sez. N.ro : *Numero in archivio della sezione*
Base x Alt : *Per le sezioni rettangolari base ed altezza; per le altre tipologie ingombro massimo della sezione*
Magr. : *Dimensione del magrone per sezioni di fondazione*
Rot. : *Angolo di rotazione della sezione*
dx : *Scostamento in direzione X globale dell'estremo iniziale dell'asta dal nodo iniziale*
dy : *Scostamento in direzione Y globale dell'estremo iniziale dell'asta dal nodo iniziale*
dz : *Scostamento in direzione Z globale dell'estremo iniziale dell'asta dal nodo iniziale*
dx : *Scostamento in direzione X globale dell'estremo finale dell'asta dal nodo finale*
dy : *Scostamento in direzione Y globale dell'estremo finale dell'asta dal nodo finale*
dz : *Scostamento in direzione Z globale dell'estremo finale dell'asta dal nodo finale*
Cri Geo : *Criterio geotecnico*
Tipo Elemento : *Tipo elemento ai fini sismici:*
Le sigle sotto riportate hanno il significato appresso specificato:
-"Secondario NTC18":si intende un elemento asta secondario ai sensi della NTC2018, che non viene inserito nel modello sismico ed a cui vengono applicate le verifiche di duttilità.
-"NoGerarchia": si intende un elemento asta non appartenente ad un meccanismo dissipativo e in cui non è applicabile la gerarchia delle resistenze(esempio aste meshate interne a pareti o piastre o travi inclinate)

- **SPECIFICHE CAMPI TABELLA DI STAMPA**

Si riporta appresso la spiegazione delle sigle usate nelle tabelle carichi termici aste, carichi distribuiti aste, carichi concentrati, carichi termici shell e carichi shell.

CARICHI ASTE

- Asta3d : Numero dell'asta spaziale
- Dt : Delta termico costante
- ALI.SISMICA : Coefficiente di riduzione del sovraccarico per la condizione in stampa ai fini del calcolo della massa sismica
- Riferimento : Sistema di riferimento dei carichi (0 globale ; 1 locale)
- Qx : Carico distribuito in direzione X sul nodo iniziale
- Qy : Carico distribuito in direzione Y sul nodo iniziale

- **Qz** : Carico distribuito in direzione Z sul nodo iniziale
- **Qx** : Carico distribuito in direzione X sul nodo finale
- **Qy** : Carico distribuito in direzione Y sul nodo finale
- **Qz** : Carico distribuito in direzione Z sul nodo finale
- **Mt** : Momento torcente distribuito

CARICHI CONCENTRATI

- **Nodo3d** : Numero del nodo spaziale
- **Fx** : Forza in direzione X nel sistema di riferimento globale
- **Fy** : Forza in direzione Y nel sistema di riferimento globale
- **Fz** : Forza in direzione Z nel sistema di riferimento globale
- **Mx** : Momento in direzione X nel sistema di riferimento globale
- **My** : Momento in direzione Y nel sistema di riferimento globale
- **Mz** : Momento in direzione Z nel sistema di riferimento globale

CARICHI SHELL

- **Shell** : Numero dello shell spaziale
- **Dt** : Delta termico costante
- **Riferimento** : Sistema di riferimento delle pressioni e dei carichi distribuiti; verticale è la direzione dell'asse Z del sistema di riferimento globale, normale è la direzione ortogonale all'elemento per le pressioni e ortogonale al lato per i carichi distribuiti. Codici:

  0 = pressione verticale e carico normale
  1 = pressione normale e carico verticale
  2 = pressione normale e carico normale
  3 = pressione verticale e carico verticale

- **P.a** : Pressione sul primo vertice dello shell
- **P.b** : Pressione sul secondo vertice dello shell
- **P.c** : Pressione sul terzo vertice dello shell
- **P.d** : Pressione sul quarto vertice dello shell
- **Q.ab** : Carico distribuito sul lato ab
- **Q.bc** : Carico distribuito sul lato bc
- **Q.cd** : Carico distribuito sul lato cd
- **Q.da** : Carico distribuito sul lato da

DATI GENERALI DI STRUTTURA

DATI GENERALI DI STRUTTURA			
Massima dimens. dir. X (m)	19.25	Altezza edificio (m)	6.60
Massima dimens. dir. Y (m)	6.97	Differenza temperatura(°C)	15
PARAMETRI SISMICI			
Vita Nominale (Anni)	50	Classe d' Uso	II Cu=1.0
Longitudine Est (Grd)	7.54532	Latitudine Nord (Grd)	44.76352
Categoria Suolo	C	Coeff. Condiz. Topogr.	1.00000
Sistema Costruttivo Dir.1	C.A.	Sistema Costruttivo Dir.2	C.A.
Regolarita' in Altezza	NO(KR=.8)	Regolarita' in Pianta	NO

Direzione Sisma (Grd)	0	Sisma Verticale	ASSENTE
Effetti P/Delta	NO	Quota di Zero Sismico (m)	0.00000

PARAMETRI SPETTRO ELASTICO - SISMA S.L.D.

Probabilita' Pvr	0.63	Periodo di Ritorno Anni	50.00
Accelerazione Ag/g	0.04	Periodo T'c (sec.)	0.21
Fo	2.53	Fv	0.68
Fattore Stratigrafia'Ss'	1.50	Periodo TB (sec.)	0.12
Periodo TC (sec.)	0.37	Periodo TD (sec.)	1.76

PARAMETRI SPETTRO ELASTICO - SISMA S.L.V.

Probabilita' Pvr	0.10	Periodo di Ritorno Anni	475.00
Accelerazione Ag/g	0.10	Periodo T'c (sec.)	0.27
Fo	2.55	Fv	1.07
Fattore Stratigrafia'Ss'	1.50	Periodo TB (sec.)	0.15
Periodo TC (sec.)	0.44	Periodo TD (sec.)	1.99

P A R A M E T R I S I S T E M A C O S T R U T T I V O C. A. - D I R. 1

Classe Duttilita'		Sotto-Sistema Strutturale	Telaio
AlfaU/Alfa1	1.15	Fattore riduttivo KW	1.00
Fattore di comportam 'q'	1.50		

P A R A M E T R I S I S T E M A C O S T R U T T I V O C. A. - D I R. 2

Classe Duttilita'		Sotto-Sistema Strutturale	Telaio
AlfaU/Alfa1	1.15	Fattore riduttivo KW	1.00
Fattore di comportam 'q'	1.50		

COEFFICIENTI DI SICUREZZA PARZIALI DEI MATERIALI

Acciaio per carpenteria	1.05	Verif.Instabilita' acciaio:	1.05
Acciaio per CLS armato	1.15	Calcestruzzo CLS armato	1.50
Legno per comb. eccez.	1.00	Legno per comb. fondament.:	1.30
Livello conoscenza	NUOVA COSTRUZIONE		
FRP Collasso Tipo 'A'	1.10	FRP Delaminazione Tipo 'A'	1.20
FRP Collasso Tipo 'B'	1.25	FRP Delaminazione Tipo 'B'	1.50
FRP Resist. Press/Fless	1.00	FRP Resist. Taglio/Torsione	1.20
FRP Resist. Confinamento	1.10		

ATTRIBUTI TAMPONATURE SU PIANI SISMICI

IDENTIFICATIV		ATTRIBUTI	
Piano N.ro	Quota (m)	Irregol Pianta	Piano Soffice
1	5.25	NO	NO

COORDINATE DEI NODI

IDENT.	POSIZIONE NODO			ATTRIBUTI		PESO SISMICO		
Nodo3d N.ro	Coord.X (m)	Coord.Y (m)	Coord.Z (m)	Filo N.ro	Piano Sism.	Dir. X (t)	Dir. Y (t)	Dir. Z (t)
1	0.00	0.00	0.00	1	0	0.00	0.00	3.52
2	4.02	0.00	0.00	2	0	0.00	0.00	4.14
3	0.00	2.83	0.00	7	0	0.00	0.00	4.43
4	0.82	2.83	0.00	13	0	0.00	0.00	4.66
5	-0.17	5.28	0.00	11	0	0.00	0.00	2.49
6	0.82	5.28	0.00	12	0	0.00	0.00	2.81
7	9.55	5.28	0.00	14	0	0.00	0.00	3.11
8	9.55	2.83	0.00	8	0	0.00	0.00	3.65
9	19.08	5.27	0.00	15	0	0.00	0.00	2.30
10	19.08	2.83	0.00	9	0	0.00	0.00	6.39
11	7.79	0.00	0.00	3	0	0.00	0.00	3.26
12	9.55	0.00	0.00	10	0	0.00	0.00	2.52
13	11.56	0.00	0.00	4	0	0.00	0.00	3.39
14	15.33	0.00	0.00	5	0	0.00	0.00	4.14
15	19.05	0.00	0.00	6	0	0.00	0.00	3.46
16	11.56	2.63	0.00	18	0	0.00	0.00	2.42
17	9.55	2.63	0.00	20	0	0.00	0.00	0.90
18	4.02	2.63	0.00	16	0	0.00	0.00	1.81
19	4.02	5.28	0.00	22	0	0.00	0.00	2.28
20	11.56	5.28	0.00	24	0	0.00	0.00	2.59
21	19.00	2.63	0.00	21	0	0.00	0.00	1.32
22	7.79	5.28	0.00	23	0	0.00	0.00	2.29

COORDINATE DEI NODI

IDENT.	POSIZIONE NODO			ATTRIBUTI		PESO SISMICO		
Nodo3d N.ro	Coord.X (m)	Coord.Y (m)	Coord.Z (m)	Filo N.ro	Piano Sism.	Dir. X (t)	Dir. Y (t)	Dir. Z (t)
23	15.33	5.28	0.00	25	0	0.00	0.00	2.65
24	15.33	2.63	0.00	19	0	0.00	0.00	3.58
25	7.79	2.63	0.00	17	0	0.00	0.00	2.24
26	0.00	0.00	5.25	1	1	2.82	2.82	2.82
27	4.02	0.00	5.25	2	1	2.04	2.04	2.04
28	7.79	0.00	5.25	3	1	1.98	1.98	1.98
29	11.56	0.00	5.25	4	1	2.04	2.04	2.04
30	15.33	0.00	5.25	5	1	2.01	2.01	2.01
31	19.05	0.00	5.25	6	1	1.30	1.30	1.30
32	0.00	2.83	5.25	7	1	2.34	2.34	2.34
33	-0.17	5.28	5.25	11	1	1.66	1.66	1.66
34	0.82	5.28	5.25	12	1	1.07	1.07	4.13
35	9.55	5.28	5.25	14	1	1.19	1.19	1.19
36	9.55	2.83	5.25	8	1	3.66	3.66	3.66
37	0.82	2.83	5.25	13	1	1.92	1.92	7.60
38	19.08	5.27	5.25	15	1	0.83	0.83	3.89
39	19.08	2.83	5.25	9	1	2.09	2.09	7.77
40	4.02	5.28	5.25	22	1	1.16	1.16	1.16
41	11.56	5.28	5.25	24	1	1.25	1.25	1.25
42	7.79	5.28	5.25	23	1	1.20	1.20	1.20
43	15.33	5.28	5.25	25	1	1.22	1.22	1.22
44	9.55	0.00	5.25	10	1	0.81	0.81	0.81
45	4.02	2.63	5.25	16	1	0.70	0.70	0.70
46	7.79	2.63	5.25	17	1	0.70	0.70	0.70
47	11.56	2.63	5.25	18	1	0.70	0.70	0.70
48	15.33	2.63	5.25	19	1	0.70	0.70	0.70
49	19.00	2.63	5.25	21	1	0.43	0.43	0.43
50	-0.17	6.08	5.25	27	1	0.11	0.11	0.11

COORDINATE DEI NODI

IDENT.	POSIZIONE NODO			ATTRIBUTI		PESO SISMICO		
Nodo3d N.ro	Coord.X (m)	Coord.Y (m)	Coord.Z (m)	Filo N.ro	Piano Sism.	Dir. X (t)	Dir. Y (t)	Dir. Z (t)
51	0.82	6.08	5.25	28	1	0.20	0.20	0.20
52	4.02	6.08	5.25	31	1	0.19	0.19	0.19
53	7.79	6.08	5.25	32	1	0.20	0.20	0.20
54	9.55	6.08	5.25	29	1	0.21	0.21	0.21
55	11.56	6.08	5.25	33	1	0.21	0.21	0.21
56	15.33	6.08	5.25	34	1	0.21	0.21	0.21
57	19.08	6.07	5.25	30	1	0.10	0.10	0.10
58	0.00	-0.90	5.25	35	1	0.12	0.12	0.12
59	4.02	-0.90	5.25	36	1	0.24	0.24	0.24
60	7.79	-0.90	5.25	37	1	0.23	0.23	0.23
61	9.55	-0.90	5.25	41	1	0.23	0.23	0.23
62	11.56	-0.90	5.25	38	1	0.24	0.24	0.24
63	15.33	-0.90	5.25	39	1	0.23	0.23	0.23
64	19.05	-0.90	5.25	40	1	0.12	0.12	0.12
65	4.02	2.63	6.60	16	0	1.20	1.20	1.20
66	7.79	2.63	6.60	17	0	1.68	1.68	1.68
67	11.56	2.63	6.60	18	0	1.68	1.68	1.68
68	15.33	2.63	6.60	19	0	1.66	1.66	1.66
69	19.00	2.63	6.60	21	0	0.89	0.89	0.89
70	2.58	2.63	6.60	26	0	1.84	1.84	1.84

DATI ASTE SPAZIALI

IDENTIFICAZIONE								GEOMETRIA			SCOST.INIZIALI			SCOST. FINALI				
Asta3d N.ro	Filo in.	Filo fin.	Q.iniz (m)	Q.fin. (m)	Nod3d iniz.	Nod3d fin.	Cr. Pr.	Sez. N.ro	Sigla Sezione	Magr. (cm)	Rot. Grd	dx (cm)	dy (cm)	dz (cm)	dx (cm)	dy (cm)	dz (cm)	Cri Geo	Tipo Elemento ai fini sism.
1	1	2	0.00	0.00	1	2	2	25	Rett. 80 x 50	90	0	43	0	-25	-18	0	-25		Trave telaio
2	7	13	0.00	0.00	3	4	2	26	Rett. 100 x 50	110	0	18	5	-25	0	5	-25		NoGerarchia C.A.
3	11	12	0.00	0.00	5	6	2	26	Rett. 100 x 50	110	0	0	0	-25	0	0	-25		NoGerarchia C.A.
4	11	7	0.00	0.00	5	3	2	28	Rett. 140 x 50	150	0	55	0	-25	38	30	-25		NoGerarchia C.A.
5	14	8	0.00	0.00	7	8	2	27	Rett. 50 x 50	60	0	0	0	-25	0	0	-25		NoGerarchia C.A.
6	15	9	0.00	0.00	9	10	2	25	Rett. 80 x 50	90	0	-30	0	-25	-30	0	-25		NoGerarchia C.A.
7	7	1	0.00	0.00	3	1	2	25	Rett. 80 x 50	90	0	8	-30	-25	8	43	-25		Trave telaio
8	2	3	0.00	0.00	2	11	2	25	Rett. 80 x 50	90	0	18	0	-25	-18	0	-25		Trave telaio
9	3	10	0.00	0.00	11	12	2	25	Rett. 80 x 50	90	0	18	0	-25	0	0	-25		Trave telaio
10	4	5	0.00	0.00	13	14	2	25	Rett. 80 x 50	90	0	18	0	-25	-18	0	-25		Trave telaio
11	5	6	0.00	0.00	14	15	2	25	Rett. 80 x 50	90	0	18	0	-25	-13	0	-25		Trave telaio
12	10	4	0.00	0.00	12	13	2	25	Rett. 80 x 50	90	0	0	0	-25	-18	0	-25		Trave telaio
13	8	18	0.00	0.00	8	16	2	26	Rett. 100 x 50	110	0	0	5	-25	0	25	-25		Trave telaio
14	8	20	0.00	0.00	8	17	2	27	Rett. 50 x 50	60	0	0	0	-25	0	0	-25		NoGerarchia C.A.
15	13	16	0.00	0.00	4	18	2	26	Rett. 100 x 50	110	0	0	5	-25	0	25	-25		NoGerarchia C.A.
16	12	22	0.00	0.00	6	19	2	26	Rett. 100 x 50	110	0	0	0	-25	0	0	-25		NoGerarchia C.A.

DATI ASTE SPAZIALI

IDENTIFICAZIONE							GEOMETRIA				SCOST.INIZIALI			SCOST. FINALI				
Asta3d N.ro	Filo in.	Filo fin.	Q.iniz (m)	Q.fin. (m)	Nod3d iniz.	Nod3d fin.	Cr. Pr.	Sez. N.ro	Sigla Sezione	Magr. (cm)	Rot. Grd	dx (cm)	dy (cm)	dz (cm)	dx (cm)	dy (cm)	dz (cm)	Cri Geo	Tipo Elemento ai fini sism.
17	14	24	0.00	0.00	7	20	2	26	Rett. 100 x 50	110	0	0	0	-25	0	0	-25		NoGerarchia C.A.
18	9	21	0.00	0.00	10	21	2	25	Rett. 80 x 50	90	0	-30	0	-25	-23	0	-25		NoGerarchia C.A.
19	22	23	0.00	0.00	19	22	2	26	Rett. 100 x 50	110	0	0	0	-25	0	0	-25		NoGerarchia C.A.
20	23	14	0.00	0.00	22	7	2	26	Rett. 100 x 50	110	0	0	0	-25	0	0	-25		NoGerarchia C.A.
21	24	25	0.00	0.00	20	23	2	26	Rett. 100 x 50	110	0	0	0	-25	0	0	-25		NoGerarchia C.A.
22	25	15	0.00	0.00	23	9	2	26	Rett. 100 x 50	110	0	0	0	-25	0	0	-25		NoGerarchia C.A.
23	18	19	0.00	0.00	16	24	2	26	Rett. 100 x 50	110	0	0	25	-25	0	25	-25		NoGerarchia C.A.
24	19	9	0.00	0.00	24	10	2	26	Rett. 100 x 50	110	0	0	25	-25	0	5	-25		Trave telaio
25	20	10	0.00	0.00	17	12	2	27	Rett. 50 x 50	60	0	0	0	-25	0	0	-25		Trave telaio
26	21	6	0.00	0.00	21	15	2	25	Rett. 80 x 50	90	0	-23	0	-25	-28	18	-25		Trave telaio
27	16	17	0.00	0.00	18	25	2	26	Rett. 100 x 50	110	0	0	25	-25	0	25	-25		NoGerarchia C.A.
28	17	8	0.00	0.00	25	8	2	26	Rett. 100 x 50	110	0	0	25	-25	0	5	-25		Trave telaio
29	1	1	5.25	0.00	26	1	3	30	Rett. 35 x 35	0	0	0	0	0	0	0	0		Pilastri
30	2	2	5.25	0.00	27	2	3	30	Rett. 35 x 35	0	0	0	0	0	0	0	0		Pilastri
31	3	3	5.25	0.00	28	11	3	30	Rett. 35 x 35	0	0	0	0	0	0	0	0		Pilastri
32	4	4	5.25	0.00	29	13	3	30	Rett. 35 x 35	0	0	0	0	0	0	0	0		Pilastri
33	5	5	5.25	0.00	30	14	3	30	Rett. 35 x 35	0	0	0	0	0	0	0	0		Pilastri
34	6	6	5.25	0.00	31	15	3	31	Rett. 25 x 35	0	0	0	0	0	0	0	0		Pilastri
35	7	7	5.25	0.00	32	3	3	32	Rett. 35 x 60	0	0	0	0	0	0	0	0		Pilastri
36	1	2	5.25	5.25	26	27	1	33	Rett. 35 x 49	0	0	18	0	-13	-18	0	-13		NoGerarchia C.A.
37	2	3	5.25	5.25	27	28	1	33	Rett. 35 x 49	0	0	18	0	-13	-18	0	-13		NoGerarchia C.A.
38	3	10	5.25	5.25	28	44	1	33	Rett. 35 x 49	0	0	18	0	-13	0	0	-13		NoGerarchia C.A.
39	4	5	5.25	5.25	29	30	1	33	Rett. 35 x 49	0	0	18	0	-13	-18	0	-13		NoGerarchia C.A.
40	5	6	5.25	5.25	30	31	1	33	Rett. 35 x 49	0	0	18	0	-13	-13	0	-13		NoGerarchia C.A.
41	10	4	5.25	5.25	44	29	1	33	Rett. 35 x 49	0	0	0	0	-13	-18	0	-13		NoGerarchia C.A.
42	2	16	5.25	5.25	27	45	1	1	Rett. 30 x 30	0	0	0	18	-5	0	-15	-5		Trave telaio
43	3	17	5.25	5.25	28	46	1	1	Rett. 30 x 30	0	0	0	18	-5	0	-15	-5		Trave telaio
44	4	18	5.25	5.25	29	47	1	1	Rett. 30 x 30	0	0	0	18	-5	0	-15	-5		Trave telaio
45	5	19	5.25	5.25	30	48	1	1	Rett. 30 x 30	0	0	0	18	-5	0	-15	-5		Trave telaio
46	6	21	5.25	5.25	31	49	1	1	Rett. 30 x 30	0	0	0	18	-5	0	-15	-5		Trave telaio
47	16	22	5.25	5.25	45	40	1	1	Rett. 30 x 30	0	0	0	15	-5	0	0	-5		NoGerarchia C.A.
48	17	23	5.25	5.25	46	42	1	1	Rett. 30 x 30	0	0	0	15	-5	0	0	-5		NoGerarchia C.A.
49	18	24	5.25	5.25	47	41	1	1	Rett. 30 x 30	0	0	0	15	-5	0	0	-5		NoGerarchia C.A.
50	19	25	5.25	5.25	48	43	1	1	Rett. 30 x 30	0	0	0	15	-5	0	0	-5		NoGerarchia C.A.
51	9	15	5.25	5.25	39	38	1	1	Rett. 30 x 30	0	0	-8	0	-5	-8	0	-5		NoGerarchia C.A.
52	21	9	5.25	5.25	49	39	1	1	Rett. 30 x 30	0	0	0	15	-5	-8	0	-5		Trave telaio
53	9	8	5.25	5.25	39	36	1	34	Rett. 25 x 60	0	0	0	0	-30	0	0	-30		Trave telaio
54	8	13	5.25	5.25	36	37	1	34	Rett. 25 x 60	0	0	0	0	-30	0	0	-30		Trave telaio
55	1	7	5.25	5.25	26	32	1	34	Rett. 25 x 60	0	0	0	18	-30	0	-30	-30		Trave telaio
56	7	11	5.25	5.25	32	33	1	34	Rett. 25 x 60	0	0	-2	31	-30	0	0	-30		Trave telaio
57	13	7	5.25	5.25	37	32	1	34	Rett. 25 x 60	0	0	0	0	-30	18	0	-30		Trave telaio
58	16	16	6.60	5.25	65	45	3	1	Rett. 30 x 30	0	0	0	0	0	0	0	10		Pilastri
59	17	17	6.60	5.25	66	46	3	1	Rett. 30 x 30	0	0	0	0	0	0	0	10		Pilastri
60	18	18	6.60	5.25	67	47	3	1	Rett. 30 x 30	0	0	0	0	0	0	0	10		Pilastri
61	19	19	6.60	5.25	68	48	3	1	Rett. 30 x 30	0	0	0	0	0	0	0	10		Pilastri
62	21	21	6.60	5.25	69	49	3	1	Rett. 30 x 30	0	0	0	0	0	0	0	10		Pilastri
63	16	17	6.60	6.60	65	66	101	1028	LegnoGL24h20x24	0	0	0	0	12	0	0	12		Trave telaio
64	17	18	6.60	6.60	66	67	101	1028	LegnoGL24h20x24	0	0	0	0	12	0	0	12		Trave telaio
65	18	19	6.60	6.60	67	68	101	1028	LegnoGL24h20x24	0	0	0	0	12	0	0	12		Trave telaio
66	19	21	6.60	6.60	68	69	101	1028	LegnoGL24h20x24	0	0	0	0	12	0	0	12		Trave telaio
67	26	11	6.60	5.25	70	33	101	1028	LegnoGL24h20x24	0	0	0	0	11	0	0	11		Trave telaio
68	26	1	6.60	5.25	70	26	101	1028	LegnoGL24h20x24	0	0	0	0	11	30	31	27		Trave telaio
69	26	16	6.60	6.60	70	65	1	1028	LegnoGL24h20x24	0	0	0	0	12	0	0	12		Trave telaio

CARICHI DISTRIBUITI ASTE

CONDIZIONE DI CARICO N.ro: 2 ALIQUOTA SISMICA: 100

IDENT.		NODO INIZIALE			NODO FINALE				
Asta3d N.ro	Riferimento	Qx t/ml	Qy t/ml	Qz t/ml	Qx t/ml	Qy t/ml	Qz t/ml	Mt t*m/ml	Pretens t
36	0	0.000	0.000	-0.250	0.000	0.000	-0.250	0.000	0.00
37	0	0.000	0.000	-0.250	0.000	0.000	-0.250	0.000	0.00
38	0	0.000	0.000	-0.250	0.000	0.000	-0.250	0.000	0.00
39	0	0.000	0.000	-0.250	0.000	0.000	-0.250	0.000	0.00
40	0	0.000	0.000	-0.250	0.000	0.000	-0.250	0.000	0.00

CARICHI DISTRIBUITI ASTE

CONDIZIONE DI CARICO N.ro: 2 ALIQUOTA SISMICA: 100

IDENT.		NODO INIZIALE			NODO FINALE				
Asta3d N.ro	Riferimento	Qx t/ml	Qy t/ml	Qz t/ml	Qx t/ml	Qy t/ml	Qz t/ml	Mt t*m/ml	Pretens t
41	0	0.000	0.000	-0.250	0.000	0.000	-0.250	0.000	0.00
63	0	0.000	0.000	-0.390	0.000	0.000	-0.390	0.000	0.00
64	0	0.000	0.000	-0.390	0.000	0.000	-0.390	0.000	0.00
65	0	0.000	0.000	-0.390	0.000	0.000	-0.390	0.000	0.00
66	0	0.000	0.000	-0.390	0.000	0.000	-0.390	0.000	0.00
67	0	0.000	0.000	-0.390	0.000	0.000	-0.390	0.000	0.00
68	0	0.000	0.000	-0.390	0.000	0.000	-0.390	0.000	0.00
69	0	0.000	0.000	-0.390	0.000	0.000	-0.390	0.000	0.00

CARICHI DISTRIBUITI ASTE

CONDIZIONE DI CARICO N.ro: 4 ALIQUOTA SISMICA: 0

IDENT.		NODO INIZIALE			NODO FINALE				
Asta3d N.ro	Riferimento	Qx t/ml	Qy t/ml	Qz t/ml	Qx t/ml	Qy t/ml	Qz t/ml	Mt t*m/ml	Pretens t
36	0	0.000	0.000	-0.300	0.000	0.000	-0.300	0.000	0.00
37	0	0.000	0.000	-0.300	0.000	0.000	-0.300	0.000	0.00
38	0	0.000	0.000	-0.300	0.000	0.000	-0.300	0.000	0.00
39	0	0.000	0.000	-0.300	0.000	0.000	-0.300	0.000	0.00
40	0	0.000	0.000	-0.300	0.000	0.000	-0.300	0.000	0.00
41	0	0.000	0.000	-0.300	0.000	0.000	-0.300	0.000	0.00
63	0	0.000	0.000	-0.450	0.000	0.000	-0.450	0.000	0.00
64	0	0.000	0.000	-0.450	0.000	0.000	-0.450	0.000	0.00
65	0	0.000	0.000	-0.450	0.000	0.000	-0.450	0.000	0.00
66	0	0.000	0.000	-0.450	0.000	0.000	-0.450	0.000	0.00
67	0	0.000	0.000	-0.450	0.000	0.000	-0.450	0.000	0.00
68	0	0.000	0.000	-0.450	0.000	0.000	-0.450	0.000	0.00
69	0	0.000	0.000	-0.450	0.000	0.000	-0.450	0.000	0.00

CARICHI SUGLI SHELL

CONDIZIONE DI CARICO N.ro: 2 ALIQUOTA SISMICA: 100

IDENT.	PRESSIONI					CARICHI PERIMETRALI			
Shell N.ro	Riferimento	P.a t/mq	P.b t/mq	P.c t/mq	P.d t/mq	Q.ab t/ml	Q.bc t/ml	Q.cd t/ml	Q.da t/ml
1	0	-1.00	-1.00	-1.00	-1.00	0.00	0.00	0.00	0.00
2	0	-1.00	-1.00	-1.00	-1.00	0.00	0.00	0.00	0.00
3	0	-1.00	-1.00	-1.00	-1.00	0.00	0.00	0.00	0.00
4	0	-1.00	-1.00	-1.00	-1.00	0.00	0.00	0.00	0.00
5	0	-1.00	-1.00	-1.00	-1.00	0.00	0.00	0.00	0.00
6	0	-1.00	-1.00	-1.00	-1.00	0.00	0.00	0.00	0.00
7	0	-1.00	-1.00	-1.00	-1.00	0.00	0.00	0.00	0.00
8	0	-1.00	-1.00	-1.00	-1.00	0.00	0.00	0.00	0.00
9	0	-1.00	-1.00	-1.00	-1.00	0.00	0.00	0.00	0.00
10	0	-1.00	-1.00	-1.00	-1.00	0.00	0.00	0.00	0.00
11	1	0.00	0.00	0.00	0.00	0.00	-0.25	-0.25	0.00
15	1	0.00	0.00	0.00	0.00	0.00	-0.25	-0.25	0.00
16	1	0.00	0.00	0.00	0.00	0.00	-0.25	-0.25	0.00
17	1	0.00	0.00	0.00	0.00	0.00	-0.25	-0.25	0.00
18	1	0.00	0.00	0.00	0.00	0.00	-0.25	-0.25	0.00
19	1	0.00	0.00	0.00	0.00	0.00	-0.25	-0.25	0.00
20	1	0.00	0.00	0.00	0.00	0.00	-0.25	-0.25	0.00
21	0	-0.05	-0.05	-0.05	-0.05	0.00	0.00	0.00	0.00
22	0	-0.05	-0.05	-0.05	-0.05	0.00	0.00	0.00	0.00
23	0	-0.05	-0.05	-0.05	-0.05	0.00	0.00	0.00	0.00
24	0	-0.05	-0.05	-0.05	-0.05	0.00	0.00	0.00	0.00
25	0	-0.05	-0.05	-0.05	-0.05	0.00	0.00	0.00	0.00
26	0	-0.05	-0.05	-0.05	-0.05	0.00	0.00	0.00	0.00
27	0	-0.05	-0.05	-0.05	-0.05	0.00	0.00	0.00	0.00
28	0	-0.05	-0.05	-0.05	-0.05	0.00	0.00	0.00	0.00
29	0	-0.05	-0.05	-0.05	-0.05	0.00	0.00	0.00	0.00

CARICHI SUGLI SHELL

CONDIZIONE DI CARICO N.ro: 2 ALIQUOTA SISMICA: 100

IDENT.	PRESSIONI					CARICHI PERIMETRALI			
Shell N.ro	Riferimento	P.a t/mq	P.b t/mq	P.c t/mq	P.d t/mq	Q.ab t/ml	Q.bc t/ml	Q.cd t/ml	Q.da t/ml
30	0	-0.05	-0.05	-0.05	-0.05	0.00	0.00	0.00	0.00
31	0	-0.05	-0.05	-0.05	-0.05	0.00	0.00	0.00	0.00
32	0	-0.05	-0.05	-0.05	-0.05	0.00	0.00	0.00	0.00
33	0	-0.05	-0.05	-0.05	-0.05	0.00	0.00	0.00	0.00

CARICHI SUGLI SHELL

CONDIZIONE DI CARICO N.ro: 3 ALIQUOTA SISMICA: 80

IDENT.	PRESSIONI					CARICHI PERIMETRALI			
Shell N.ro	Riferimento	P.a t/mq	P.b t/mq	P.c t/mq	P.d t/mq	Q.ab t/ml	Q.bc t/ml	Q.cd t/ml	Q.da t/ml
1	0	-1.25	-1.25	-1.25	-1.25	0.00	0.00	0.00	0.00
2	0	-1.25	-1.25	-1.25	-1.25	0.00	0.00	0.00	0.00
3	0	-1.25	-1.25	-1.25	-1.25	0.00	0.00	0.00	0.00
4	0	-1.25	-1.25	-1.25	-1.25	0.00	0.00	0.00	0.00
5	0	-1.25	-1.25	-1.25	-1.25	0.00	0.00	0.00	0.00
6	0	-1.25	-1.25	-1.25	-1.25	0.00	0.00	0.00	0.00
7	0	-1.25	-1.25	-1.25	-1.25	0.00	0.00	0.00	0.00
8	0	-1.25	-1.25	-1.25	-1.25	0.00	0.00	0.00	0.00
9	0	-1.25	-1.25	-1.25	-1.25	0.00	0.00	0.00	0.00
10	0	-1.25	-1.25	-1.25	-1.25	0.00	0.00	0.00	0.00

CARICHI SUGLI SHELL

CONDIZIONE DI CARICO N.ro: 4 ALIQUOTA SISMICA: 0

IDENT.	PRESSIONI					CARICHI PERIMETRALI			
Shell N.ro	Riferimento	P.a t/mq	P.b t/mq	P.c t/mq	P.d t/mq	Q.ab t/ml	Q.bc t/ml	Q.cd t/ml	Q.da t/ml
11	1	0.00	0.00	0.00	0.00	0.00	-0.30	-0.30	0.00
15	1	0.00	0.00	0.00	0.00	0.00	-0.30	-0.30	0.00

CARICHI SUGLI SHELL

CONDIZIONE DI CARICO N.ro: 4 ALIQUOTA SISMICA: 0

IDENT.	PRESSIONI					CARICHI PERIMETRALI			
Shell N.ro	Riferimento	P.a t/mq	P.b t/mq	P.c t/mq	P.d t/mq	Q.ab t/ml	Q.bc t/ml	Q.cd t/ml	Q.da t/ml
16	1	0.00	0.00	0.00	0.00	0.00	-0.30	-0.30	0.00
17	1	0.00	0.00	0.00	0.00	0.00	-0.30	-0.30	0.00
18	1	0.00	0.00	0.00	0.00	0.00	-0.30	-0.30	0.00
19	1	0.00	0.00	0.00	0.00	0.00	-0.30	-0.30	0.00
20	1	0.00	0.00	0.00	0.00	0.00	-0.30	-0.30	0.00
21	0	-0.20	-0.20	-0.20	-0.20	0.00	0.00	0.00	0.00
22	0	-0.20	-0.20	-0.20	-0.20	0.00	0.00	0.00	0.00
23	0	-0.20	-0.20	-0.20	-0.20	0.00	0.00	0.00	0.00
24	0	-0.20	-0.20	-0.20	-0.20	0.00	0.00	0.00	0.00
25	0	-0.20	-0.20	-0.20	-0.20	0.00	0.00	0.00	0.00
26	0	-0.20	-0.20	-0.20	-0.20	0.00	0.00	0.00	0.00
27	0	-0.20	-0.20	-0.20	-0.20	0.00	0.00	0.00	0.00
28	0	-0.20	-0.20	-0.20	-0.20	0.00	0.00	0.00	0.00
29	0	-0.20	-0.20	-0.20	-0.20	0.00	0.00	0.00	0.00
30	0	-0.20	-0.20	-0.20	-0.20	0.00	0.00	0.00	0.00
31	0	-0.20	-0.20	-0.20	-0.20	0.00	0.00	0.00	0.00
32	0	-0.20	-0.20	-0.20	-0.20	0.00	0.00	0.00	0.00
33	0	-0.20	-0.20	-0.20	-0.20	0.00	0.00	0.00	0.00

CARICHI SUGLI SHELL

CONDIZIONE DI CARICO N.ro: 5 ALIQUOTA SISMICA: 100

IDENT.	PRESSIONI					CARICHI PERIMETRALI			
Shell N.ro	Riferimento	P.a t/mq	P.b t/mq	P.c t/mq	P.d t/mq	Q.ab t/ml	Q.bc t/ml	Q.cd t/ml	Q.da t/ml
13	1	0.00	0.00	0.00	0.00	0.00	-5.00	-5.00	0.00
14	1	0.00	0.00	0.00	0.00	0.00	-5.00	-5.00	0.00

COMBINAZIONI CARICHI A1 - S.L.V. / S.L.D.

DESCRIZIONI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Peso Strutturale	1.30	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Perm.Non Strutturale	1.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Var.Bibl.Arch.	1.50	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
Var.Coperture	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAsse	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Corr. Tors. dir. 0	0.00	1.00	-1.00	1.00	-1.00	1.00	-1.00	1.00	-1.00	-1.00	1.00	-1.00	1.00	-1.00	1.00
Corr. Tors. dir. 90	0.00	0.30	0.30	-0.30	-0.30	-0.30	-0.30	0.30	0.30	0.30	0.30	-0.30	-0.30	-0.30	-0.30
Sisma direz. grd 0	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
Sisma direz. grd 90	0.00	0.30	0.30	0.30	0.30	-0.30	-0.30	-0.30	-0.30	0.30	0.30	0.30	0.30	-0.30	-0.30

COMBINAZIONI CARICHI A1 - S.L.V. / S.L.D.

DESCRIZIONI	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Peso Strutturale	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Perm.Non Strutturale	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Var.Bibl.Arch.	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
Var.Coperture	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAsse	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Corr. Tors. dir. 0	-1.00	1.00	0.30	-0.30	0.30	-0.30	0.30	-0.30	0.30	-0.30	-0.30	0.30	-0.30	0.30	-0.30
Corr. Tors. dir. 90	0.30	0.30	1.00	1.00	-1.00	-1.00	-1.00	-1.00	1.00	1.00	1.00	1.00	-1.00	-1.00	-1.00
Sisma direz. grd 0	-1.00	-1.00	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	-0.30	-0.30	-0.30	-0.30	-0.30
Sisma direz. grd 90	-0.30	-0.30	1.00	1.00	1.00	1.00	-1.00	-1.00	-1.00	-1.00	1.00	1.00	1.00	1.00	-1.00

COMBINAZIONI CARICHI A1 - S.L.V. / S.L.D.

DESCRIZIONI	31	32	33
Peso Strutturale	1.00	1.00	1.00
Perm.Non Strutturale	1.00	1.00	1.00
Var.Bibl.Arch.	0.80	0.80	0.80
Var.Coperture	0.00	0.00	0.00
MAsse	0.00	0.00	0.00
Corr. Tors. dir. 0	0.30	-0.30	0.30
Corr. Tors. dir. 90	-1.00	1.00	1.00
Sisma direz. grd 0	-0.30	-0.30	-0.30

COMBINAZIONI CARICHI A1 - S.L.V. / S.L.D.

DESCRIZIONI	31	32	33
Sisma direz. grd 90	-1.00	-1.00	-1.00

COMBINAZIONI RARE - S.L.E.

DESCRIZIONI	1
Peso Strutturale	1.00
Perm.Non Strutturale	1.00
Var.Bibl.Arch.	1.00
Var.Coperture	1.00
MAsse	0.00
Corr. Tors. dir. 0	0.00
Corr. Tors. dir. 90	0.00
Sisma direz. grd 0	0.00
Sisma direz. grd 90	0.00

COMBINAZIONI FREQUENTI - S.L.E.

DESCRIZIONI	1
Peso Strutturale	1.00
Perm.Non Strutturale	1.00
Var.Bibl.Arch.	0.90
Var.Coperture	0.00
MAsse	0.00
Corr. Tors. dir. 0	0.00
Corr. Tors. dir. 90	0.00
Sisma direz. grd 0	0.00
Sisma direz. grd 90	0.00

COMBINAZIONI PERMANENTI - S.L.E.

DESCRIZIONI	1
Peso Strutturale	1.00
Perm.Non Strutturale	1.00
Var.Bibl.Arch.	0.80
Var.Coperture	0.00
MAsse	0.00

COMBINAZIONI PERMANENTI - S.L.E.

DESCRIZIONI	1
Corr. Tors. dir. 0	0.00
Corr. Tors. dir. 90	0.00
Sisma direz. grd 0	0.00
Sisma direz. grd 90	0.00

- **SPECIFICHE CAMPI TABELLE DI STAMPA TRAVI**

Tratto : *Le aste adiacenti a setti e piastre vengono suddivise in sottoelementi per garantire la congruenza. Il numero di "TRATTO" identifica la posizione sequenziale del sottoelemento attuale a partire dall'estremo iniziale*
Filo in. : *Filo iniziale*
Filo fin. : *Filo finale*

Le altre grandezze descritte di seguito si riferiscono a ciascun estremo dell'asta:
Alt. : *Altezza dell'estremità dell'asta dallo spiccato di fondazione*
Tx : *Taglio lungo la direzione dell'asse 'X' del sistema di riferimento locale di asta (principale d'inerzia)*
Ty : *Taglio lungo la direzione dell'asse 'Y' del sistema di riferimento locale di asta*
N : *Sforzo assiale*
Mx : *Momento agente con asse vettore parallelo all'asse 'X' del sistema di riferimento locale di asta*
My : *Momento agente con asse vettore parallelo all'asse 'Y' del sistema di riferimento locale di asta*
Mt : *Momento torcente dell'asta (agente con asse vettore parallelo all'asse 'Z' locale)*

- **SPECIFICHE CAMPI TABELLE DI STAMPA SHELL**

SISTEMA DI RIFERIMENTO LOCALE (s.r.l.): Il sistema di riferimento locale dell'elemento shell è così definito:
Origine : *I° punto di inserimento dello shell*
Asse 1 : *Asse X nel s.r.l., definito dal punto origine e dal II° punto di inserimento, nel verso di quest'ultimo*
Piano12 : *Piano XY nel s.r.l., definito dai punti origine, II° e III° di inserimento*
Asse 2 : *Asse Y nel s.r.l., ottenuto nel piano 12 con una rotazione antioraria di 90° dell'asse X intorno al punto origine, in modo che l'asse I-II si sovrapponga all'asse I-III con un angolo<180°*
Asse 3 *Asse Z nel s.r.l., ortogonale al piano 12, in modo da formare una terna destra con gli assi 1 e 2*

Le tensioni di lastra (S) sono costanti lungo lo spessore. Le tensioni di piastra (M) variano linearmente lungo lo spessore, annullandosi in corrispondenza del piano medio (diagramma emisimmetrico o "a farfalla"). I valori del tensore degli sforzi sono riferiti alla faccia positiva (superiore nel s.r.l.) di normale 3 (esempio: Xij tensione X agente sulla faccia di normale i e diretta lungo j).
Le altre grandezze descritte di seguito si riferiscono a ciascun nodo dell'elemento bidimensionale:
Shell Nro : *numero dell'elemento bidimensionale*
nodo N.ro : *numero del nodo dell'elemento bidimensionale a cui sono riferite le tensioni S di lastra e M piastra*
S11 : *tensione normale di lastra*
S22 : *tensione normale di lastra*
S12 *tensione tangenziale di lastra (S12 = S21)*
M11 *tensione normale di piastra sulla faccia positiva*
M22 *tensione normale di piastra sulla faccia positiva*
M12 *tensione tangenziale di piastra sulla faccia positiva*

Tabulato di stampa dei carichi nodali equivalenti applicati nei nodi degli shell.
Shell Nro : *numero dell'elemento bidimensionale*
nodo N.ro : *numero del nodo dell'elemento bidimensionale a cui sono i carichi nodali degli shell*
Tx : *Forza nodale in direzione X del sistema di riferimento locale*
Ty : *Forza nodale in direzione Y del sistema di riferimento locale*
Tz : *Forza nodale in direzione X del sistema di riferimento locale*
Mx : *Momento nodale con asse vettore parallelo all'asse X del sistema di riferimento locale*
My : *Momento nodale con asse vettore parallelo all'asse Y del sistema di riferimento*

locale

Mz : *Momento nodale con asse vettore parallelo all'asse Z del sistema di riferimento locale*

SPECIFICHE CAMPI TABELLA DI STAMPA

Filo N.ro : *Numero del filo del nodo inferiore o superiore*
Quota inf/sup : *Quota del nodo inferiore e del nodo superiore*
Nodo inf/sup : *Numero dei nodi inferiore e superiore per la determinazione degli spostamenti sismici relativi*
Sisma N.ro : *Numero del sisma per cui è massimo il valore dello spostamento totale calcolato per lo S.L.D.*
Combin N.ro : *Numero della combinazione per cui è massimo il valore dello spostamento totale calcolato per lo S.L.D.*
Spostam. Calcolo : *valore dello spostamento totale calcolato per lo S.L.D.*
Spostam. Limite : *valore dello spostamento limite per lo S.L.D.*
Sisma N.ro : *Numero del sisma per cui è massimo il valore dello spostamento totale calcolato per lo S.L.O.*
Combin N.ro : *Numero della combinazione per cui è massimo il valore dello spostamento totale calcolato per lo S.L.O.*
Spostam. Calcolo : *valore dello spostamento totale calcolato per lo S.L.O.*
Spostam. Limite : *valore dello spostamento limite per lo S.L.O.*

SPECIFICHE CAMPI TABELLA DI STAMPA

Si riporta appresso la spiegazione delle sigle usate nelle tabelle di verifica aste in calcestruzzo per gli stati limite ultimi.

Filo Iniz./Fin. : *Sulla prima riga numero del filo del nodo iniziale, sulla seconda quello del nodo finale*
Cotg Θ : *Cotangente Angolo del puntone compresso*
Quota : *Sulla prima riga quota del nodo iniziale, sulla seconda quota del nodo finale*
SgmT : *Solo per le travi di fondazione:*
Pressione di contatto sul terreno in Kg/cmq calcolata con i valori caratteristici delle azioni assumendo i coefficienti gamma pari ad uno.
AmpC : *Solo per le travi di elevazione:*
Coefficiente di amplificazione dei carichi statici per tenere in conto della verifica locale dell'asta a sisma verticale.
N/Nc : *Solo per i pilastri:*
Percentuale della resistenza massima a compressione della sezione di solo calcestruzzo.
Tratto : *Se una trave è suddivisa in più tratti sulla prima riga è riportato il numero del tratto, sulla terza il numero di suddivisioni della trave*
Sez B/H : *Sulla prima riga numero della sezione nell'archivio, sulla seconda base della sezione, sulla terza altezza. Per sezioni a T è riportato l'ingombro massimo della sezione*
Concio : *Numero del concio*
Co Nr : *Numero della combinazione e in sequenza sollecitazioni ultime di calcolo che forniscono la massima deformazione nell'acciaio e nel calcestruzzo per la verifica a flessione*
GamRd : *Solo per le travi di fondazione: Coefficiente di sovraresistenza.*
M Exd : *Momento ultimo di calcolo asse vettore X (per le travi incrementato dalla traslazione del diagramma del momento flettente)*
M Eyd : *Momento ultimo di calcolo asse vettore Y*
N Ed : *Sforzo normale ultimo di calcolo*

x / d : *Rapporto fra la posizione dell'asse neutro e l'altezza utile della sezione moltiplicato per 100*

ε_f% ε_c% (*100) : *deformazioni massime nell'acciaio e nel calcestruzzo moltiplicate per 10.000. Valore limite per l'acciaio 100 (1%), valore limite nel calcestruzzo 35 (0,35%)*

Area : *Area del ferro in centimetri quadri; per le travi rispettivamente superiore ed inferiore, per i pilastri armature lungo la base e l'altezza della sezione*

Co Nr : *Numero della combinazione e in sequenza sollecitazioni ultime di calcolo che forniscono la minore sicurezza per le azioni taglianti e torcenti*

V Exd : *Taglio ultimo di calcolo in direzione X*

V Eyd : *Taglio ultimo di calcolo in direzione Y*

T sdu : *Momento torcente ultimo di calcolo*

V Rxd : *Taglio resistente ultimo delle staffe in direzione X*

V Ryd : *Taglio resistente ultimo delle staffe in direzione Y*

T Rd : *Momento torcente resistente ultimo delle staffe*

T Rld : *Momento torcente resistente ultimo dell'armatura longitudinale*

Coe Cls : *Coefficiente per il controllo di sicurezza del calcestruzzo alle azioni taglianti e torcenti moltiplicato per 100; la sezione è verificata se detto valore e minore o uguale a 100*

Coe Staf : *Coefficiente per il controllo di sicurezza delle staffe alle azioni taglianti e torcenti moltiplicato per 100; la sezione è verificata se detto valore e minore o uguale a 100*

Alon : *Armatura longitudinale a torsione (nelle travi rettangolari per le quali è stata effettuata la verifica a momento My in questo dato viene stampata anche l'armatura flessionale dei lati verticali)*

Staffe : *Passo staffe e lunghezza del tratto da armare*

Moltipl Ultimo : *Solo per le stampe di riverifica:*
Moltiplicatore dei carichi che porta a collasso la sezione. Il percorso dei carichi seguito e' a sforzo normale costante. Le deformazioni riportate sono determinate dalle sollecitazioni di calcolo amplificate del moltiplicatore in parola.

- **VERIFICHE ASTE IN ACCIAIO / LEGNO**

Si riporta appresso la spiegazione delle sigle usate nelle tabelle di verifica aste in acciaio e di verifica aste in legno.

Fili N.ro : *Sulla prima riga numero del filo del nodo iniziale, sulla terza quello del nodo finale*

Quota : *Sulla prima riga quota del nodo iniziale, sulla terza quota del nodo finale*

Tratto : *Se una trave è suddivisa in più tratti sulla prima riga è riportato il numero del tratto, sulla terza il numero di suddivisioni della trave*

Cmb N.r : *Numero della combinazione per la quale si Š avuta la condi zione più gravosa (rapporto di verifica massimo). La combinazione 0, se presente, si riferisce alle verifiche delle aste in legno, costruita con la sola presenza dei carichi permanenti (1.3*G1 + 1.5*G2). Seguono le caratteristiche associate alla combinazione:*

N Sd : *Sforzo normale di calcolo*

MxSd : *Momento flettente di calcolo asse vettore X locale*

MySd : *Momento flettente di calcolo asse vettore Y locale*

VxSd : *Taglio di calcolo in direzione dell'asse X locale*

VySd : *Taglio di calcolo in direzione dell'asse Y locale*

T Sd : *Torsione di calcolo*

N Rd : *Sforzo normale resistente ridotto per presenza dell'azione tagliante*

MxV.Rd : *Momento flettente resistente con asse vettore X locale ridotto per presenza di azione tagliante. Per le sezioni di classe 3 è sempre il momento limite elastico, per quelle di classe 1 e 2 è il momento plastico. Se inoltre la tipologia della sezione è doppio T, tubo tondo, tubo rettangolare e piatto, il momento è ridotto dall'eventuale presenza dello sforzo normale*

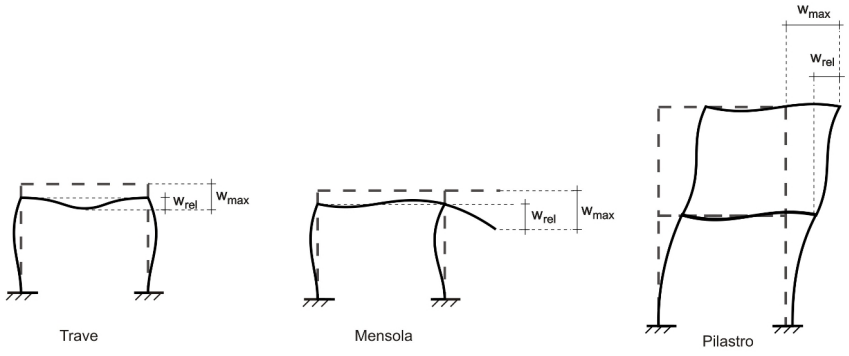
MyV.Rd : *Momento flettente resistente con asse vettore Y locale ridotto per presenza di azione tagliante. Vale quanto riportato per il dato precedente*

VxplRd	:	*Taglio resistente plastico in direzione dell'asse X locale*
VyplRd	:	*Taglio resistente plastico in direzione dell'asse X locale*
T Rd	:	*Torsione resistente*
fy rid	:	*Resistenza di calcolo del materiale ridotta per presenza dell'azione tagliante*
Rap %	:	*Rapporto di verifica moltiplicato per 100. Sezione verificata per valori minori o uguali a 100. La formula utilizzata in verifica è la n.ro 6.41 di EC3. Tale formula nel caso di sezione a doppio T coincide con le formule del DM 2008 n.ro 4.2.39 e del DM 2018 n.ro 4.2.39.*
Sez.N	:	*Numero di archivio della sezione*
Ac	:	*Coefficiente di amplificazione dei carichi statici. Sostituisce il dato 'Sez.N.' se l'incremento dei carichi statici è maggiore di 1*
Qn	:	*Carico distribuito normale all'asse della trave in kg/m, incluso il peso proprio*
Asta	:	*Numerazione dell'asta*

Per le strutture dissipative, nei pilastri, sono stati tenuti in conto i fattori di sovraresistenza riportati nella Tab. 7.5.I delle NTC 2008 e par 7.5.1 delle NTC2018
L'ultima riga delle quattro relative a ciascuna asta, si riferisce ai valori utili ad effettuare le verifiche di instabilità:

l	:	*Lunghezza della trave*
β*l	:	*Lunghezza libera di inflessione*
clas.	:	*Classe di verifica della trave*
ε	:	*(235/fy)^(1/2). Se il valore e' maggiore di 1 significa che il programma ha classificato la sezione, originariamente di classe 4, come sezione di classe 3 secondo il comma (9) del punto 5.5.2 dell'EC3 in base alla tensione di compressione massima. Per tali aste non sono state effettuate le verifiche di instabilita' come previsto nel comma (10) dell'EC3 (vedi anche pto C4.2.3.1).*
Lmd	:	*Snellezza lambda*
R%pf	:	*Rapporto di verifica per l'instabilità alla presso-flessione moltiplicato per 100 determinato dalla formula [C4.2.32]. Sezione verificata per valori minori o uguali a 100*
R%ft	:	*Rapporto di verifica per l'instabilità flesso-torsionale moltiplicato per 100 determinato dalla formula [C4.2.36]*
Wmax	:	*Spostamento massimo*
Wrel	:	*Spostamento relativo, depurato dalla traslazione rigida dei nodi*
Wlim	:	*Spostamento limite*

Gli spostamenti Wmax e Wrel, essendo legati alle verifiche di esercizio, sono calcolati combinando i canali di carico con i coefficienti delle matrici SLE.
Per una più agevole comprensione del significato dei dati Wmax e Wrel, si può fare riferimento alla figura seguente:



Quindi ai fini della verifica è sufficiente che risulti Wrel<=Wlim, essendo del tutto normale che l'asta possa risultare verificata anche con Wmax>Wlim.

Se:

Rap % : *111 La sezione non verifica per taglio elevato*
Rap % : *444 Sezione non verificata in automatico perché di classe 4*

Per le sezioni in legno vengono modificate le seguenti colonne:

N Rd → σ_n : *Tensione normale dovuta a sforzo normale*
MxV.Rd → σM_x : *Tensione normale dovuta a momento Mx*
MyV.Rd → σM_y : *Tensione normale dovuta a momento My*
VxplRd → τ_x : *Tensione tangenziale dovuta a taglio Tx*
VyplRd → τ_y : *Tensione tangenziale dovuta a taglio Ty*
T Rd → τM_t : *Tensione tangenziale da momento torcente*
fy rid → Rapp. Fless : *Rapporto di verifica per la flessione composta secondo le formule dei DM 2008/2018 [4.4.6a], [4.4.6b], [4.4.7a], [4.4.7b]. Viene riportato il valore più alto fra tutte le varie combinazioni e si intende verificato, come tutti gli altri rapporti, se il valore è minore di uno*
Rap % → Rapp.Taglio : *Rapporto di verifica per il taglio o la torsione secondo le formule dei DM 2008/2018 [4.4.8], [4.4.9] avendo sovrapposto gli effetti con la [4.4.10] nel caso di taglio e torsione agenti contemporaneamente*
clas. → KcC : *Coefficiente di instabilità di colonna ($K_{crit,c}$) determinato dalle formule dei DM 2008/2018 [4.4.15]*
lmd → KcM : *Coefficiente di instabilità di trave ($K_{crit,m}$) determinato dalle formule dei DM 2008/2018 [4.4.12]*
R%pf → Rx : *Rapporto globale di verifica di instabilità che tiene in conto sia dell'instabilità di colonna che quella di trave; il coefficiente Km è applicato al termine del momento Y*
R%ft → Ry : *Rapporto globale di verifica di instabilità che tiene in conto sia dell'instabilità di colonna che quella di trave; il coefficiente Km è applicato al termine del momento X*

Gli spostamenti Wmax e Wrel sono calcolati secondo le formule [2.2] e [2.3] dell'Eurocodice 5. In particolare si sommano gli spostamenti istantanei delle combinazioni SLE Rare con quelli a tempo infinito delle combinazioni SLE Quasi Permanenti. Quindi indicando con U^P gli spostamenti istantanei dei carichi permanenti e con U^Q quelli dei carichi variabili lo spostamento finale vale:

$$U_{fin} = U^P + K_{def} * U^P + U^Q + K_{def} * ø_2 * U^Q$$

- **SPECIFICHE CAMPI TABELLA DI STAMPA**

Si riporta appresso la spiegazione delle sigle usate nelle tabelle di verifica aste in cls per gli stati limiti di esercizio.

Filo : *Sulla prima riga numero del filo del nodo iniziale, sulla seconda quello del nodo finale*
Quota : *Sulla prima riga quota del nodo iniziale, sulla seconda quota del nodo finale*
Tratto : *Se una trave è suddivisa in più tratti sulla prima riga è riportato il numero del tratto, sulla terza il numero di suddivisioni della trave*
Com Cari : *Indicatore della matrice di combinazione; la prima riga individua la matrice delle combinazioni rare, la seconda la matrice delle combinazioni frequenti, la terza quella permanenti. Questo indicatore vale sia per la verifica a fessurazione che per il calcolo delle frecce*
Fessu : *Fessura limite e fessura di calcolo espressa in mm; se la trave non risulta fessurata l'ampiezza di calcolo sarà nulla*
Dist mm : *Distanza fra le fessure*
Concio : *Numero del concio in cui si è avuta la massima fessura*
Combin : *Numero della combinazione ed in sequenza sollecitazioni per cui si è avuta la massima fessura*
Mf X : *Momento flettente asse vettore X*

Mf Y	:	*Momento flettente asse vettore Y*
N	:	*Sforzo normale*
Frecce	:	*Freccia limite e freccia massima di calcolo*
Combin	:	*Numero della combinazione che ha prodotto la freccia massima*
Com Cari	:	*Indicatore della matrice di combinazione; la prima riga individua la matrice delle combinazioni rare per la verifica della tensione sul calcestruzzo, la seconda la matrice delle combinazioni rare per la verifica della tensione sull'acciaio, la terza la matrice delle combinazioni permanenti per la verifica della tensione sul calcestruzzo*
σ_{lim}	:	*Valore della tensione limite in Kg/cmq*
σ_{cal}	:	*Valore della tensione di calcolo in Kg/cmq*
Concio	:	*Numero del concio in cui si è avuta la massima tensione*
Combin	:	*Numero della combinazione ed in sequenza sollecitazioni per cui si è avuta la massima tensione*
Mf X	:	*Momento flettente asse vettore X*
Mf Y	:	*Momento flettente asse vettore Y*
N	:	*Sforzo normale*

- **SPECIFICHE CAMPI TABELLA DI STAMPA**

Si riporta di seguito la spiegazione delle sigle usate nella tabella di stampa della verifica degli elementi bidimensionali allo stato limite ultimo.

Quota N.ro:	:	*Quota a cui si trova l'elemento*
Perim. N.ro	:	*Numero identificativo del macroelemento il cui perimetro è stato definito prima di eseguire la verifica*
Nodo 3d N.ro	:	*Numero del nodo relativo alla suddivisione del macroelemento in microelementi*
Nx	:	*Sforzo sul piano dell'elemento bidimensionale diretto come l'asse x del sistema locale (il sistema di riferimento locale è quello delle armature)*
Ny	:	*Sforzo sul piano dell'elemento bidimensionale diretto come l'asse y del sistema locale*
Txy	:	*Sforzo tagliante sul piano dell'elemento con direzione y e agente sulla faccia di normale x del sistema locale (ovvero anche, per la simmetria delle tensioni tangenziali, sforzo tagliante sul piano dell'elemento con direzione x e agente sulla faccia di normale y del sistema locale)*
Mx	:	*Momento flettente agente sulla sezione di normale x del sistema locale. Per le verifiche è accoppiato allo sforzo normale Nx. Questo momento è incrementato per tenere in conto il valore del momento torcente Mxy*
My	:	*Momento flettente agente sulla sezione di normale y del sistema locale. Per le verifiche è accoppiato allo sforzo normale Ny. Questo momento è incrementato per tenere in conto il valore del momento torcente Mxy*
Mxy	:	*Momento torcente con asse vettore x e agente sulla sezione di normale x (ovvero anche, per la simmetria delle tensioni tangenziali momento torcente con asse vettore y e agente sulla sezione di normale y)*
ε_{cx} ***10000**	:	*Deformazione del calcestruzzo nella faccia di normale x *10000 (Es. 0.35% = 35)*
ε_{cy} ***10000**	:	*Deformazione del calcestruzzo nella faccia di normale y *10000 (Es. 0.35% = 35)*
ε_{fx} ***10000**	:	*Deformazione dell'acciaio nella faccia di normale x *10000 (Es. 1% = 100)*
ε_{fy} ***10000**	:	*Deformazione dell'acciaio nella faccia di normale y *10000 (Es. 1% = 100)*
Ax superiore	:	*Area totale armatura superiore diretta lungo x. Area totale è l'area della presso-flessione più l'area per il taglio riportata dopo)*
Ay superiore	:	*Area totale armatura superiore diretta lungo y*
Ax inferiore	:	*Area totale armatura inferiore diretta lungo x*
Ay inferiore	:	*Area totale armatura inferiore diretta lungo y*
Atag	:	*Area per il taglio su ciascuna faccia per le due direzioni*
σ_t	:	*Tensione massima di contatto con il terreno*
Eta	:	*Abbassamento verticale del nodo in esame*
Fpunz	:	*Forza di punzonamento determinata amplificando il massimo valore della forza punzonante (ottenuta dall'inviluppo fra le varie combinazioni di carico agenti) per un coefficiente beta raccomandato nell'eurocodice 2 (figura 6.21). Per le piastre di fondazione la forza di punzonamento è stata ridotta dell'effetto favorevole della pressione del suolo*

FpunzLi : *Resistenza al punzonamento ottenuta dall'applicazione dalla formula (6.47) dell'erurocodice 2, utilizzando il perimetro di base definito nelle figure 6.13 e 6.15*
Apunz : *Armatura di punzonamento calcolata dalla formula (6.52) dell' eurocodice 2*
VEd : *Azione di taglio-punzonamento secondo la formula (6.53) dell'eurocodice 2*
VRd,max : *Resistenza di taglio-punzonamento secondo la formula (6.53) dell'eurocodice 2*

Nel caso di stampa di riverifiche degli elementi con le armature effettivamente disposte sul disegno ferri le colonne delle ε vengono sostituite con:

Molt. : *Moltiplicatore delle sollecitazioni che porta a rottura la sezione, rispettivamente nelle direzioni X e Y*
x/d : *Posizione adimensionalizzata dell'asse neutro rispettivamente nelle direzioni X e Y*

- **SPECIFICHE CAMPI TABELLA DI STAMPA**

Si riporta di seguito la spiegazione delle sigle usate nella tabella di stampa delle verifiche agli stati limite di esercizio degli elementi bidimensionali.

Quota : *Quota a cui si trova l'elemento*
Perim. : *Numero identificativo del macro-elemento il cui perimetro è stato definito prima di eseguire la verifica*
Nodo : *Numero del nodo relativo alla suddivisione del macro-elemento in microelementi*
Comb Cari : *Indicatore della matrice di combinazione; la prima riga individua la matrice delle combinazioni rare, la seconda la matrice delle combinazioni frequenti, la terza quella permanenti*
Fes lim : *Fessura limite espressa in mm*
Fess. : *Fessura di calcolo espressa in mm; se sull'elemento non si aprono fessure tutta la riga sarà nulla*
Dist mm : *Distanza fra le fessure*
Combin : *Numero della combinazione ed in sequenza sollecitazioni per cui si è avuta la massima fessura*
Mf X : *Momento flettente agente sulla sezione di normale x del sistema locale. (Il sistema di riferimento locale è quello delle armature)*
N X : *Sforzo sul piano dell'elemento bidimensionale diretto come l'asse x del sistema locale*
Mf Y : *Momento flettente agente sulla sezione di normale y del sistema locale. (Il sistema di riferimento locale è quello delle armature)*
N Y : *Sforzo sul piano dell'elemento bidimensionale diretto come l'asse y del sistema locale*
Cos teta : *Coseno dell'angolo teta tra l'armatura in direzione X e la direzione della tensione principale di trazione*
Sin teta : *Seno dell'angolo teta*
Combina Carico : *Indicatore della matrice di combinazione; la prima riga individua la matrice delle combinazioni rare per la verifica della tensione sul cls, la seconda la matrice delle combinazioni rare per la verifica della tensione sull'acciaio, la terza la matrice delle combinazioni permanenti per la verifica della tensione sul cls*
s lim : *Valore della tensione limite in Kg/cmq*
s cal : *Valore della tensione di calcolo in Kg/cmq sulla faccia di normale x*
Conbin : *Numero della combinazione ed in sequenza sollecitazioni per cui si è avuta la massima tensione*
Mf X : *Momento flettente agente sulla sezione di normale x del sistema locale. (Il sistema di riferimento locale è quello delle armature)*
N X : *Sforzo sul piano dell'elemento bidimensionale diretto come l'asse x del sistema locale*
s cal : *Valore della tensione di calcolo in Kg/cmq sulla faccia di normale y*
Combin : *Numero della combinazione ed in sequenza sollecitazioni per cui si è avuta la massima tensione*
Mf Y : *Momento flettente agente sulla sezione di normale y del sistema locale*
N Y : *Sforzo sul piano dell'elemento bidimensionale diretto come l'asse y del sistema locale*

- **SPECIFICHE CAMPI TABELLA DI STAMPA**

Si riporta di seguito la spiegazione delle sigle usate nella tabella di stampa della verifica degli elementi bidimensionali allo stato limite ultimo.

Gruppo Quote : *Numero identificativo del gruppo di quote definito prima di eseguire la verifica*
Generatrice : *Numero identificativo della generatrice definita prima di eseguire la verifica*
Nodo 3d N.ro : *Numero del nodo relativo alla suddivisione del macroelemento in microelementi*
Nx : *Sforzo sul piano dell'elemento bidimensionale diretto come l'asse x del sistema locale. (Il sistema di riferimento locale ha l'asse x nella direzione del setto e l'asse y verticale)*
Ny : *Sforzo sul piano dell'elemento bidimensionale diretto come l'asse y del sistema locale*
Txy : *Sforzo tagliante sul piano dell'elemento con direzione y e agente sulla faccia di normale x del sistema locale.(Ovvero anche, per la simmetria delle tensioni tangenziali, sforzo tagliante sul piano dell'elemento con direzione x e agente sulla faccia di normale y del sistema locale)*
Mx : *Momento flettente agente sulla sezione di normale x del sistema locale. Per le verifiche è accoppiato allo sforzo normale Nx. Questo momento è incrementato per tenere in conto il valore del momento torcente Mxy*
My : *Momento flettente agente sulla sezione di normale y del sistema locale. Per le verifiche è accoppiato allo sforzo normale Ny. Questo momento è incrementato per tenere in conto il valore del momento torcente Mxy*
Mxy : *Momento torcente con asse vettore x e agente sulla sezione di normale x (ovvero anche, per la simmetria delle tensioni tangenziali, momento torcente con asse vettore y e agente sulla sezione di normale y)*
ε_{cx}* 10000 : *Deformazione del calcestruzzo nella faccia di normale x × 10000 (Es. 0.35% = 35)*
ε_{cy}* 10000 : *Deformazione del calcestruzzo nella faccia di normale y × 10000 (Es. 0.35% = 35)*
ε_{fx}* 10000 : *Deformazione dell'acciaio nella faccia di normale x × 10000 (Es. 1% = 100)*
ε_{fy} *10000 : *Deformazione dell'acciaio nella faccia di normale x × 10000 (Es. 1% = 100)*
Ax superiore : *Area totale armatura superiore diretta lungo x. (Area totale è l'area della presso-flessione più l'area per il taglio riportata dopo)*
Ay superiore : *Area totale armatura superiore diretta lungo y*
Ax inferiore : *Area totale armatura inferiore diretta lungo x*
Ay inferiore : *Area totale armatura inferiore diretta lungo y*
Atag : *Area per il taglio su ciascuna faccia per le due direzioni*
σ_t : *Tensione massima di contatto con il terreno*
Eta : *Abbassamento verticale del nodo in esame*

Nel caso di stampa di riverifiche degli elementi con le armature effettivamente disposte sul disegno ferri le colonne delle ε vengono sostituite con:

Molt. : *Moltiplicatore delle sollecitazioni che porta a rottura la sezione, rispettivamente nelle direzioni X e Y*

- **SPECIFICHE CAMPI TABELLA DI STAMPA**

Si riporta di seguito la spiegazione delle sigle usate nella tabella di stampa delle verifiche agli stati limite di esercizio degli elementi bidimensionali.

Gr.Q : *Numero identificativo del gruppo di quote definito prima di eseguire la verifica*
Gen : *Numero identificativo della generatrice definita prima di eseguire la verifica*
Nodo : *Numero del nodo relativo alla suddivisione del macro-elemento in microelementi*
Comb. Cari : *Indicatore della matrice di combinazione; la prima riga individua la matrice delle combinazioni rare, la seconda la matrice delle combinazioni frequenti, la terza quella*

permanenti

Fes lim : *Fessura limite espressa in mm*

Fess. : *Fessura di calcolo espressa in mm; se sull'elemento non si aprono fessure tutta la riga sarà nulla*

Dist mm : *Distanza fra le fessure*

Combin : *Numero della combinazione ed in sequenza sollecitazioni per cui si è avuta la massima fessura*

Mf X : *Momento flettente agente sulla sezione di normale x del sistema locale. (Il sistema di riferimento locale è quello delle armature)*

N X : *Sforzo sul piano dell'elemento bidimensionale diretto come l'asse x del sistema locale*

Mf Y : *Momento flettente agente sulla sezione di normale y del sistema locale. (Il sistema di riferimento locale è quello delle armature)*

N Y : *Sforzo sul piano dell'elemento bidimensionale diretto come l'asse y del sistema locale*

Cos teta : *Coseno dell'angolo teta tra l'armatura in direzione X e la direzione della tensione principale di trazione*

Sin teta : *Seno dell'angolo teta*

Combina Carico : *Indicatore della matrice di combinazione; la prima riga individua la matrice delle combinazioni rare per la verifica della tensione sul cls, la seconda la matrice delle combinazioni rare per la verifica della tensione sull'acciaio, la terza la matrice delle combinazioni permanenti per la verifica della tensione sul cls*

s lim : *Valore della tensione limite in Kg/cmq*

s cal : *Valore della tensione di calcolo in Kg/cmq sulla faccia di normale x*

Conbin : *Numero della combinazione ed in sequenza sollecitazioni per cui si è avuta la massima tensione*

Mf X : *Momento flettente agente sulla sezione di normale x del sistema locale. (Il sistema di riferimento locale è quello delle armature)*

N X : *Sforzo sul piano dell'elemento bidimensionale diretto come l'asse x del sistema locale*

s cal : *Valore della tensione di calcolo in Kg/cmq sulla faccia di normale y*

Combin : *Numero della combinazione ed in sequenza sollecitazioni per cui si è avuta la massima tensione*

Mf Y : *Momento flettente agente sulla sezione di normale y del sistema locale*

N Y : *Sforzo sul piano dell'elemento bidimensionale diretto come l'asse y del sistema locale*

FREQUENZE E MASSE ECCITATE

										SISMA N.ro 1		SISMA N.ro 2		SISMA N.ro 3	
										Massa	Perc.	Massa	Perc.	Massa	Perc.
									Eccitat	139.98	85.52	147.83	90.31		
									Totale	163.67		163.67			
Modo N.ro	Pulsazione (rad/sec)	Periodo (sec)	Smorz Mod(%)	Sd/g SLO	Sd/g SLD	Sd/g SLV X	Sd/g SLV Y	Sd/g SLV Z	Sd/g SLC	Massa Mod Ecc. (t)	Perc.	Massa Mod Ecc. (t)	Perc.	Massa Mod Ecc. (t)	Perc.
1	34.996	0.17954	5.0		0.152	0.245	0.245			2.46	2	127.08	78		
2	37.049	0.16959	5.0		0.152	0.245	0.245			27.53	17	12.55	8		
3	93.687	0.06707	5.0		0.109	0.190	0.190			13.11	8	0.01	0		
4	103.093	0.06095	5.0		0.105	0.186	0.186			0.03	0	0.31	0		
5	104.203	0.06030	5.0		0.104	0.186	0.186			0.11	0	0.09	0		
6	106.339	0.05909	5.0		0.103	0.185	0.185			0.03	0	0.13	0		
7	132.921	0.04727	5.0		0.095	0.177	0.177			0.60	0	0.13	0		
8	157.924	0.03979	5.0		0.089	0.172	0.172			70.35	43	0.01	0		
9	161.142	0.03899	5.0		0.089	0.171	0.171			0.08	0	1.23	1		
10	178.338	0.03523	5.0		0.086	0.168	0.168			23.61	14	0.03	0		
11	182.329	0.03446	5.0		0.085	0.168	0.168			0.24	0	5.49	3		
12	197.574	0.03180	5.0		0.083	0.166	0.166			1.84	1	0.79	0		

CARATT. PESO PROPRIO: ASTE

Tratto	Filo In.	Alt. (m)	Tx (t)	Ty (t)	N (t)	Mx (t*m)	My (t*m)	Mt (t*m)	Filo Fin.	Alt. (m)	Tx (t)	Ty (t)	N (t)	Mx (t*m)	My (t*m)	Mt (t*m)
	1	0.00	0.00	-1.00	0.00	-0.79	0.00	0.15	2	0.00	0.00	-2.99	0.00	-2.16	0.00	-0.21
	7	0.00	0.00	2.09	0.00	0.04	0.00	1.13	13	0.00	0.00	-3.70	0.00	-1.93	0.00	-1.18
	11	0.00	0.00	1.46	0.00	-2.41	0.00	-0.44	12	0.00	0.00	-5.92	0.00	-1.27	0.00	0.35

CARATT. PESO PROPRIO: ASTE

Tratto	Filo In.	Alt. (m)	Tx (t)	Ty (t)	N (t)	Mx (t*m)	My (t*m)	Mt (t*m)	Filo Fin.	Alt. (m)	Tx (t)	Ty (t)	N (t)	Mx (t*m)	My (t*m)	Mt (t*m)
	11	0.00	0.00	-5.14	0.00	0.63	0.00	-0.62	171	0.00	0.00	-0.57	0.00	1.70	0.00	0.65
	14	0.00	0.00	-1.23	0.00	0.23	0.00	-0.01	117	0.00	0.00	-1.63	0.00	-0.54	0.00	0.01
	15	0.00	0.00	-2.80	0.00	0.84	0.00	0.93	164	0.00	0.00	-1.50	0.00	-0.18	0.00	-0.94
	7	0.00	0.00	-1.17	0.00	-1.25	0.00	0.21	1	0.00	0.00	-1.95	0.00	0.16	0.00	-0.19
	2	0.00	0.00	-2.72	0.00	2.22	0.00	-0.14	3	0.00	0.00	-2.26	0.00	-1.55	0.00	0.07
	3	0.00	0.00	-3.22	0.00	1.55	0.00	-0.46	10	0.00	0.00	1.29	0.00	1.99	0.00	0.44
	4	0.00	0.00	-2.33	0.00	1.73	0.00	0.06	5	0.00	0.00	-2.64	0.00	-2.23	0.00	-0.13
	5	0.00	0.00	-3.00	0.00	2.36	0.00	-0.24	6	0.00	0.00	-0.37	0.00	1.46	0.00	0.18
	10	0.00	0.00	0.88	0.00	-1.98	0.00	0.42	4	0.00	0.00	-3.12	0.00	-1.62	0.00	-0.45
	8	0.00	0.00	-4.87	0.00	4.85	0.00	0.22	18	0.00	0.00	0.47	0.00	0.29	0.00	-0.43
	8	0.00	0.00	1.85	0.00	-1.65	0.00	-0.02	95	0.00	0.00	-2.02	0.00	1.43	0.00	0.02
	13	0.00	0.00	-3.38	0.00	2.20	0.00	0.60	42	0.00	0.00	1.58	0.00	-0.23	0.00	-0.67
	12	0.00	0.00	-1.98	0.00	0.49	0.00	-0.02	60	0.00	0.00	-1.61	0.00	-0.34	0.00	-0.05
	14	0.00	0.00	-2.66	0.00	0.59	0.00	0.01	127	0.00	0.00	-2.10	0.00	-0.30	0.00	-0.10
	9	0.00	0.00	4.43	0.00	-1.70	0.00	-0.14	160	0.00	0.00	-4.38	0.00	1.61	0.00	0.14
	22	0.00	0.00	-2.10	0.00	0.31	0.00	0.02	78	0.00	0.00	-2.22	0.00	-0.36	0.00	-0.11
	23	0.00	0.00	-2.12	0.00	0.32	0.00	-0.02	121	0.00	0.00	-2.01	0.00	-0.27	0.00	-0.06
	24	0.00	0.00	-2.22	0.00	0.33	0.00	0.09	143	0.00	0.00	-2.28	0.00	-0.35	0.00	-0.18
	25	0.00	0.00	-2.25	0.00	0.32	0.00	-0.19	170	0.00	0.00	-2.29	0.00	-0.34	0.00	0.10
	18	0.00	0.00	-1.53	0.00	-0.13	0.00	0.27	128	0.00	0.00	0.01	0.00	0.83	0.00	-0.38
	19	0.00	0.00	-1.69	0.00	-0.66	0.00	-0.43	9	0.00	0.00	-4.14	0.00	-2.07	0.00	0.04
	20	0.00	0.00	-0.29	0.00	-1.86	0.00	-0.01	10	0.00	0.00	-2.17	0.00	-0.86	0.00	0.01
	21	0.00	0.00	-0.56	0.00	-2.37	0.00	-0.76	6	0.00	0.00	-2.28	0.00	-0.20	0.00	0.71
	16	0.00	0.00	-0.62	0.00	-1.27	0.00	0.05	63	0.00	0.00	-0.55	0.00	1.29	0.00	-0.16
	17	0.00	0.00	0.93	0.00	-0.20	0.00	-0.32	8	0.00	0.00	-4.87	0.00	-4.76	0.00	0.14
	1	5.25	0.05	0.20	1.34	-0.50	0.26	0.00	1	0.00	-0.05	-0.20	-2.95	-0.53	0.03	0.00
	2	5.25	-0.02	0.12	4.10	-0.26	-0.08	0.00	2	0.00	0.02	-0.12	-5.70	-0.35	-0.01	0.00
	3	5.25	-0.05	0.11	3.87	-0.19	-0.11	0.00	3	0.00	0.05	-0.11	-5.48	-0.38	-0.16	0.00
	4	5.25	0.00	0.11	3.84	-0.19	-0.01	0.00	4	0.00	0.00	-0.11	-5.45	-0.38	0.03	0.00
	5	5.25	-0.06	0.11	4.03	-0.22	-0.13	0.00	5	0.00	0.06	-0.11	-5.64	-0.37	-0.19	0.00
	6	5.25	-0.05	0.14	1.49	-0.31	-0.16	0.00	6	0.00	0.05	-0.14	-2.64	-0.42	-0.08	0.00
	7	5.25	-0.07	0.25	-0.09	-0.68	-0.10	-0.01	7	0.00	0.07	-0.25	-2.67	-0.63	-0.29	0.01
	1	5.25	0.00	1.06	0.00	-0.07	0.00	-0.12	189	5.25	0.00	-0.66	0.00	-0.72	0.00	0.12
	2	5.25	0.00	1.16	0.00	-0.75	0.00	-0.15	195	5.25	0.00	-0.79	0.00	-0.08	0.00	0.15
	3	5.25	0.00	1.19	0.00	-0.72	0.00	-0.19	199	5.25	0.00	-0.85	0.00	-0.08	0.00	0.19
	4	5.25	0.00	1.18	0.00	-0.72	0.00	-0.20	205	5.25	0.00	-0.81	0.00	-0.13	0.00	0.20
	5	5.25	0.00	1.33	0.00	-0.58	0.00	-0.22	211	5.25	0.00	-0.96	0.00	-0.40	0.00	0.22
	10	5.25	0.00	-0.04	0.00	0.37	0.00	0.04	201	5.25	0.00	0.43	0.00	-0.15	0.00	-0.04
	2	5.25	0.00	0.62	0.00	-0.47	0.00	0.00	16	5.25	0.00	-0.10	0.00	-0.36	0.00	0.00
	3	5.25	0.00	0.68	0.00	-0.51	0.00	0.01	17	5.25	0.00	-0.17	0.00	-0.47	0.00	-0.01
	4	5.25	0.00	0.68	0.00	-0.49	0.00	0.02	18	5.25	0.00	-0.16	0.00	-0.47	0.00	-0.02
	5	5.25	0.00	0.66	0.00	-0.48	0.00	0.03	19	5.25	0.00	-0.14	0.00	-0.44	0.00	-0.03
	6	5.25	0.00	0.14	0.00	0.04	0.00	0.04	21	5.25	0.00	0.37	0.00	0.23	0.00	-0.04
	16	5.25	0.00	-0.14	0.00	0.37	0.00	-0.01	22	5.25	0.00	0.70	0.00	0.68	0.00	0.01
	17	5.25	0.00	-0.21	0.00	0.46	0.00	-0.01	23	5.25	0.00	0.77	0.00	0.77	0.00	0.01
	18	5.25	0.00	-0.22	0.00	0.46	0.00	-0.02	24	5.25	0.00	0.78	0.00	0.79	0.00	0.02
	19	5.25	0.00	-0.20	0.00	0.43	0.00	-0.03	25	5.25	0.00	0.76	0.00	0.77	0.00	0.03
	9	5.25	0.00	0.22	0.00	-0.16	0.00	-0.17	164	5.25	0.00	0.05	0.00	0.05	0.00	0.17
	21	5.25	0.00	-0.72	0.00	-0.39	0.00	0.83	9	5.25	0.00	0.74	0.00	0.43	0.00	-0.83
	9	5.25	0.00	1.58	0.00	-1.34	0.00	0.00	8	5.25	0.00	1.99	0.00	3.29	0.00	0.00
	8	5.25	0.00	1.78	0.00	-3.01	0.00	0.01	13	5.25	0.00	1.49	0.00	1.75	0.00	-0.01
	1	5.25	0.00	-0.26	0.00	0.22	0.00	0.08	7	5.25	0.00	1.14	0.00	1.43	0.00	-0.08
	7	5.25	0.00	0.83	0.00	-0.86	0.00	0.01	11	5.25	0.00	-0.02	0.00	-0.05	0.00	-0.01
	13	5.25	0.00	2.30	0.00	-1.68	0.00	-0.03	7	5.25	0.00	-2.06	0.00	0.27	0.00	0.03
	16	6.60	0.09	0.01	-0.06	0.00	0.12	0.01	16	5.25	-0.09	-0.01	-0.22	-0.02	-0.01	-0.01
	17	6.60	0.03	0.00	0.07	0.00	0.02	0.00	17	5.25	-0.03	0.00	-0.36	0.00	0.02	0.00

CARATT. PESO PROPRIO: ASTE

Tratto	Filo In.	Alt. (m)	Tx (t)	Ty (t)	N (t)	Mx (t*m)	My (t*m)	Mt (t*m)	Filo Fin.	Alt. (m)	Tx (t)	Ty (t)	N (t)	Mx (t*m)	My (t*m)	Mt (t*m)
	18	6.60	0.06	0.00	0.07	0.00	0.04	0.00	18	5.25	-0.06	0.00	-0.36	0.00	0.03	0.00
	19	6.60	0.04	0.00	0.04	0.00	0.00	0.00	19	5.25	-0.04	0.00	-0.32	0.00	0.05	0.00
	21	6.60	-0.62	0.00	0.05	0.00	-0.05	0.00	21	5.25	0.62	0.00	-0.33	0.00	-0.72	0.00
	16	6.60	0.00	0.04	0.48	-0.02	0.00	0.00	17	6.60	0.00	0.03	-0.48	0.01	0.00	0.00
	17	6.60	0.00	0.04	0.52	-0.04	0.00	0.00	18	6.60	0.00	0.03	-0.52	0.00	0.00	0.00
	18	6.60	0.00	0.05	0.57	-0.04	0.00	0.00	19	6.60	0.00	0.02	-0.57	-0.01	0.00	0.00
	19	6.60	0.00	0.02	0.62	0.00	0.00	0.00	21	6.60	0.00	0.05	-0.62	0.05	0.00	0.00
	26	6.60	0.00	0.04	0.27	-0.04	0.00	0.00	11	5.25	0.00	0.03	-0.29	0.03	0.00	0.00
	26	6.60	-0.01	0.04	0.29	-0.04	-0.01	0.00	1	5.25	0.01	0.02	-0.31	0.00	-0.01	0.00
	26	6.60	0.01	0.12	0.39	-0.06	0.01	0.00	16	6.60	-0.01	-0.10	-0.39	-0.10	0.01	0.00
	171	0.00	0.00	-0.90	0.00	-1.49	0.00	-0.48	7	0.00	0.00	-3.54	0.00	-0.03	0.00	0.53
	117	0.00	0.00	-2.63	0.00	1.18	0.00	-0.02	8	0.00	0.00	0.56	0.00	0.69	0.00	0.02
	164	0.00	0.00	-3.03	0.00	0.75	0.00	0.52	9	0.00	0.00	0.05	0.00	1.00	0.00	-0.56
	95	0.00	0.00	-0.28	0.00	-1.82	0.00	-0.01	91	0.00	0.00	0.12	0.00	1.72	0.00	0.01
	91	0.00	0.00	-1.18	0.00	-1.85	0.00	-0.01	87	0.00	0.00	1.01	0.00	1.79	0.00	0.01
	87	0.00	0.00	-1.37	0.00	-1.81	0.00	-0.02	20	0.00	0.00	1.21	0.00	1.76	0.00	0.02
	42	0.00	0.00	-2.16	0.00	0.38	0.00	0.43	43	0.00	0.00	0.62	0.00	0.71	0.00	-0.50
	43	0.00	0.00	-1.34	0.00	-0.59	0.00	0.28	44	0.00	0.00	0.06	0.00	1.13	0.00	-0.37
	44	0.00	0.00	-0.83	0.00	-1.06	0.00	0.17	16	0.00	0.00	-0.27	0.00	1.27	0.00	-0.25
	60	0.00	0.00	-1.82	0.00	0.28	0.00	0.05	61	0.00	0.00	-1.80	0.00	-0.27	0.00	-0.11
	61	0.00	0.00	-1.74	0.00	0.21	0.00	0.08	62	0.00	0.00	-1.89	0.00	-0.27	0.00	-0.15
	62	0.00	0.00	-1.74	0.00	0.21	0.00	0.07	22	0.00	0.00	-1.90	0.00	-0.27	0.00	-0.14
	127	0.00	0.00	-2.28	0.00	0.34	0.00	0.04	24	0.00	0.00	-2.50	0.00	-0.45	0.00	-0.14
	160	0.00	0.00	3.51	0.00	-2.00	0.00	-0.18	156	0.00	0.00	-3.77	0.00	1.96	0.00	0.18
	156	0.00	0.00	2.91	0.00	-2.26	0.00	-0.17	152	0.00	0.00	-2.86	0.00	2.01	0.00	0.17
	152	0.00	0.00	2.29	0.00	-2.21	0.00	-0.21	21	0.00	0.00	-2.24	0.00	2.22	0.00	0.21
	78	0.00	0.00	-2.15	0.00	0.33	0.00	-0.02	79	0.00	0.00	-2.19	0.00	-0.35	0.00	-0.07
	79	0.00	0.00	-2.19	0.00	0.34	0.00	-0.05	80	0.00	0.00	-2.18	0.00	-0.34	0.00	-0.03
	80	0.00	0.00	-2.20	0.00	0.34	0.00	-0.07	23	0.00	0.00	-2.19	0.00	-0.33	0.00	-0.01
	121	0.00	0.00	-1.82	0.00	0.24	0.00	0.00	14	0.00	0.00	-2.33	0.00	-0.47	0.00	-0.08
	143	0.00	0.00	-2.24	0.00	0.34	0.00	0.06	144	0.00	0.00	-2.28	0.00	-0.36	0.00	-0.15
	144	0.00	0.00	-2.27	0.00	0.35	0.00	-0.01	145	0.00	0.00	-2.27	0.00	-0.35	0.00	-0.08
	145	0.00	0.00	-2.28	0.00	0.35	0.00	-0.09	25	0.00	0.00	-2.28	0.00	-0.35	0.00	0.00
	170	0.00	0.00	-2.39	0.00	0.44	0.00	-0.03	168	0.00	0.00	-2.17	0.00	-0.34	0.00	-0.06
	168	0.00	0.00	-2.66	0.00	0.49	0.00	0.16	166	0.00	0.00	-1.92	0.00	-0.14	0.00	-0.25
	166	0.00	0.00	-3.83	0.00	0.42	0.00	0.35	15	0.00	0.00	-0.78	0.00	1.01	0.00	-0.44
	128	0.00	0.00	-0.94	0.00	-0.69	0.00	0.15	129	0.00	0.00	-0.29	0.00	0.97	0.00	-0.26
	129	0.00	0.00	-0.64	0.00	-0.89	0.00	0.01	130	0.00	0.00	-0.40	0.00	0.99	0.00	-0.12
	130	0.00	0.00	-0.51	0.00	-0.97	0.00	-0.22	19	0.00	0.00	-0.44	0.00	1.00	0.00	0.11
	63	0.00	0.00	-0.45	0.00	-1.30	0.00	-0.08	64	0.00	0.00	-0.74	0.00	1.17	0.00	-0.03
	64	0.00	0.00	-0.22	0.00	-1.24	0.00	-0.19	65	0.00	0.00	-1.13	0.00	0.83	0.00	0.09
	65	0.00	0.00	0.22	0.00	-0.96	0.00	-0.28	17	0.00	0.00	-1.85	0.00	0.01	0.00	0.18
	189	5.25	0.00	0.33	0.00	0.73	0.00	0.02	190	5.25	0.00	0.07	0.00	-0.85	0.00	-0.02
	190	5.25	0.00	-0.31	0.00	0.85	0.00	0.10	191	5.25	0.00	0.70	0.00	-0.38	0.00	-0.10
	191	5.25	0.00	-1.05	0.00	0.38	0.00	0.26	2	5.25	0.00	1.45	0.00	0.77	0.00	-0.26
	195	5.25	0.00	0.47	0.00	0.07	0.00	0.00	196	5.25	0.00	-0.10	0.00	-0.32	0.00	0.00
	196	5.25	0.00	-0.14	0.00	0.32	0.00	0.08	197	5.25	0.00	0.50	0.00	-0.04	0.00	-0.08
	197	5.25	0.00	-0.84	0.00	0.06	0.00	0.24	3	5.25	0.00	1.21	0.00	0.82	0.00	-0.24
	199	5.25	0.00	0.54	0.00	0.08	0.00	-0.04	10	5.25	0.00	-0.20	0.00	-0.37	0.00	0.04
	205	5.25	0.00	0.49	0.00	0.12	0.00	-0.05	206	5.25	0.00	-0.12	0.00	-0.38	0.00	0.05
	206	5.25	0.00	-0.11	0.00	0.38	0.00	0.03	207	5.25	0.00	0.48	0.00	-0.13	0.00	-0.03
	207	5.25	0.00	-0.81	0.00	0.14	0.00	0.19	5	5.25	0.00	1.17	0.00	0.71	0.00	-0.19
	211	5.25	0.00	0.65	0.00	0.41	0.00	-0.07	212	5.25	0.00	-0.28	0.00	-0.81	0.00	0.07
	212	5.25	0.00	0.06	0.00	0.82	0.00	0.01	213	5.25	0.00	0.30	0.00	-0.71	0.00	-0.01
	213	5.25	0.00	-0.59	0.00	0.70	0.00	0.14	6	5.25	0.00	0.96	0.00	-0.04	0.00	-0.14
	201	5.25	0.00	-0.77	0.00	0.16	0.00	0.19	4	5.25	0.00	1.16	0.00	0.72	0.00	-0.19

CARATT. PESO PROPRIO: ASTE

Tratto	Filo In.	Alt. (m)	Tx (t)	Ty (t)	N (t)	Mx (t*m)	My (t*m)	Mt (t*m)	Filo Fin.	Alt. (m)	Tx (t)	Ty (t)	N (t)	Mx (t*m)	My (t*m)	Mt (t*m)
	164	5.25	0.00	0.16	0.00	-0.05	0.00	-0.05	15	5.25	0.00	0.12	0.00	0.03	0.00	0.05

CARATT. SOVRACCARICO PERMAN.: ASTE

Tratto	Filo In.	Alt. (m)	Tx (t)	Ty (t)	N (t)	Mx (t*m)	My (t*m)	Mt (t*m)	Filo Fin.	Alt. (m)	Tx (t)	Ty (t)	N (t)	Mx (t*m)	My (t*m)	Mt (t*m)
	1	0.00	0.00	-0.65	0.00	-0.14	0.00	-0.07	2	0.00	0.00	-1.15	0.00	-0.70	0.00	0.06
	7	0.00	0.00	0.88	0.00	-0.78	0.00	0.29	13	0.00	0.00	-1.63	0.00	-0.04	0.00	-0.30
	11	0.00	0.00	0.26	0.00	-0.73	0.00	-0.30	12	0.00	0.00	-2.02	0.00	-0.41	0.00	0.28
	11	0.00	0.00	-2.01	0.00	0.37	0.00	-0.01	171	0.00	0.00	-0.33	0.00	0.49	0.00	0.02
	14	0.00	0.00	-0.70	0.00	0.33	0.00	0.00	117	0.00	0.00	-0.44	0.00	-0.19	0.00	0.00
	15	0.00	0.00	-0.92	0.00	0.38	0.00	0.04	164	0.00	0.00	-0.80	0.00	-0.34	0.00	-0.04
	7	0.00	0.00	-0.84	0.00	-0.16	0.00	-0.21	1	0.00	0.00	-0.68	0.00	0.24	0.00	0.21
	2	0.00	0.00	-1.03	0.00	0.76	0.00	0.01	3	0.00	0.00	-0.81	0.00	-0.46	0.00	-0.01
	3	0.00	0.00	-0.98	0.00	0.46	0.00	0.15	10	0.00	0.00	0.23	0.00	0.49	0.00	-0.16
	4	0.00	0.00	-0.85	0.00	0.59	0.00	0.04	5	0.00	0.00	-0.92	0.00	-0.74	0.00	-0.05
	5	0.00	0.00	-0.96	0.00	0.80	0.00	0.17	6	0.00	0.00	-0.16	0.00	0.30	0.00	-0.20
	10	0.00	0.00	0.14	0.00	-0.48	0.00	-0.11	4	0.00	0.00	-1.02	0.00	-0.56	0.00	0.11
	8	0.00	0.00	-1.18	0.00	0.25	0.00	-0.02	18	0.00	0.00	-1.27	0.00	-0.32	0.00	-0.04
	8	0.00	0.00	-0.49	0.00	0.05	0.00	0.04	95	0.00	0.00	0.42	0.00	-0.07	0.00	-0.04
	13	0.00	0.00	-0.45	0.00	0.02	0.00	0.26	42	0.00	0.00	-0.50	0.00	-0.04	0.00	-0.29
	12	0.00	0.00	-0.74	0.00	0.16	0.00	-0.34	60	0.00	0.00	-0.68	0.00	-0.13	0.00	0.32
	14	0.00	0.00	-0.93	0.00	0.13	0.00	-0.28	127	0.00	0.00	-0.94	0.00	-0.14	0.00	0.26
	9	0.00	0.00	4.65	0.00	0.64	0.00	-0.03	160	0.00	0.00	-4.65	0.00	-0.83	0.00	0.03
	22	0.00	0.00	-0.86	0.00	0.14	0.00	-0.05	78	0.00	0.00	-0.85	0.00	-0.13	0.00	0.04
	23	0.00	0.00	-1.07	0.00	0.27	0.00	0.32	121	0.00	0.00	-0.56	0.00	-0.05	0.00	-0.33
	24	0.00	0.00	-0.92	0.00	0.15	0.00	-0.13	143	0.00	0.00	-0.86	0.00	-0.12	0.00	0.12
	25	0.00	0.00	-1.49	0.00	0.44	0.00	0.04	170	0.00	0.00	-0.29	0.00	0.13	0.00	-0.04
	18	0.00	0.00	-0.46	0.00	0.13	0.00	0.07	128	0.00	0.00	-0.73	0.00	-0.26	0.00	-0.10
	19	0.00	0.00	-2.16	0.00	1.11	0.00	-0.03	9	0.00	0.00	-2.03	0.00	-0.92	0.00	-0.10
	20	0.00	0.00	-0.75	0.00	0.05	0.00	0.00	10	0.00	0.00	-0.37	0.00	0.27	0.00	0.00
	21	0.00	0.00	-0.95	0.00	0.13	0.00	-0.14	6	0.00	0.00	-0.36	0.00	0.28	0.00	0.14
	16	0.00	0.00	-0.55	0.00	0.19	0.00	0.00	63	0.00	0.00	-0.66	0.00	-0.24	0.00	-0.04
	17	0.00	0.00	-1.09	0.00	0.19	0.00	-0.04	8	0.00	0.00	-1.05	0.00	-0.16	0.00	-0.02
	1	5.25	0.04	0.03	1.34	-0.04	0.18	0.00	1	0.00	-0.04	-0.03	-1.34	-0.11	0.02	0.00
	2	5.25	-0.02	-0.09	2.17	0.39	-0.08	0.00	2	0.00	0.02	0.09	-2.17	0.07	-0.04	0.00
	3	5.25	-0.01	-0.13	1.79	0.54	-0.01	0.00	3	0.00	0.01	0.13	-1.79	0.14	-0.03	0.00
	4	5.25	0.00	-0.13	1.86	0.55	-0.01	0.00	4	0.00	0.00	0.13	-1.86	0.15	0.00	0.00
	5	5.25	-0.02	-0.11	1.88	0.47	-0.05	0.00	5	0.00	0.02	0.11	-1.88	0.12	-0.07	0.00
	6	5.25	-0.02	-0.02	0.52	0.08	-0.06	0.00	6	0.00	0.02	0.02	-0.52	0.02	-0.04	0.00
	7	5.25	0.00	0.07	1.16	-0.22	0.00	0.00	7	0.00	0.00	-0.07	-1.16	-0.16	-0.01	0.00
	1	5.25	0.00	0.07	0.00	0.61	0.00	0.16	189	5.25	0.00	0.16	0.00	-0.56	0.00	-0.16
	2	5.25	0.00	0.46	0.00	-0.38	0.00	0.02	195	5.25	0.00	-0.25	0.00	0.07	0.00	-0.02
	3	5.25	0.00	0.40	0.00	-0.18	0.00	-0.01	199	5.25	0.00	-0.20	0.00	-0.06	0.00	0.01
	4	5.25	0.00	0.42	0.00	-0.21	0.00	-0.05	205	5.25	0.00	-0.21	0.00	-0.06	0.00	0.05
	5	5.25	0.00	0.44	0.00	-0.14	0.00	-0.14	211	5.25	0.00	-0.23	0.00	-0.15	0.00	0.14
	10	5.25	0.00	0.01	0.00	0.14	0.00	0.00	201	5.25	0.00	0.22	0.00	-0.04	0.00	0.00
	2	5.25	0.00	0.61	0.00	-0.52	0.00	-0.15	16	5.25	0.00	-0.61	0.00	-0.88	0.00	0.15
	3	5.25	0.00	0.70	0.00	-0.57	0.00	-0.11	17	5.25	0.00	-0.70	0.00	-1.03	0.00	0.11
	4	5.25	0.00	0.69	0.00	-0.56	0.00	-0.08	18	5.25	0.00	-0.69	0.00	-1.03	0.00	0.08
	5	5.25	0.00	0.68	0.00	-0.58	0.00	-0.07	19	5.25	0.00	-0.68	0.00	-0.98	0.00	0.07
	6	5.25	0.00	-0.02	0.00	0.09	0.00	-0.05	21	5.25	0.00	0.02	0.00	-0.04	0.00	0.05
	16	5.25	0.00	-0.68	0.00	0.87	0.00	0.13	22	5.25	0.00	0.68	0.00	0.82	0.00	-0.13
	17	5.25	0.00	-0.79	0.00	1.01	0.00	0.10	23	5.25	0.00	0.79	0.00	0.96	0.00	-0.10
	18	5.25	0.00	-0.79	0.00	1.01	0.00	0.08	24	5.25	0.00	0.79	0.00	0.96	0.00	-0.08
	19	5.25	0.00	-0.75	0.00	0.96	0.00	0.06	25	5.25	0.00	0.75	0.00	0.91	0.00	-0.06
	9	5.25	0.00	0.08	0.00	-0.07	0.00	0.03	164	5.25	0.00	-0.08	0.00	-0.02	0.00	-0.03

CARATT. SOVRACCARICO PERMAN.: ASTE

Tratto	Filo In.	Alt. (m)	Tx (t)	Ty (t)	N (t)	Mx (t*m)	My (t*m)	Mt (t*m)	Filo Fin.	Alt. (m)	Tx (t)	Ty (t)	N (t)	Mx (t*m)	My (t*m)	Mt (t*m)
	21	5.25	0.00	-0.80	0.00	-0.09	0.00	0.49	9	5.25	0.00	0.80	0.00	0.13	0.00	-0.49
	9	5.25	0.00	0.04	0.00	-0.30	0.00	0.00	8	5.25	0.00	-0.04	0.00	-0.11	0.00	0.00
	8	5.25	0.00	-0.01	0.00	0.05	0.00	0.00	13	5.25	0.00	0.01	0.00	0.01	0.00	0.00
	1	5.25	0.00	-0.72	0.00	0.96	0.00	0.06	7	5.25	0.00	0.72	0.00	0.73	0.00	-0.06
	7	5.25	0.00	0.48	0.00	-0.54	0.00	-0.02	11	5.25	0.00	-0.48	0.00	-0.47	0.00	0.02
	13	5.25	0.00	0.04	0.00	0.00	0.00	0.03	7	5.25	0.00	-0.04	0.00	-0.02	0.00	-0.03
	16	6.60	-0.37	0.00	1.29	0.01	-0.22	0.01	16	5.25	0.37	0.00	-1.29	-0.01	-0.24	-0.01
	17	6.60	-0.31	0.00	1.48	0.00	-0.21	0.00	17	5.25	0.31	0.00	-1.48	0.00	-0.18	0.00
	18	6.60	-0.25	0.00	1.48	0.00	-0.17	0.00	18	5.25	0.25	0.00	-1.48	0.00	-0.14	0.00
	19	6.60	-0.25	0.00	1.43	0.00	-0.21	0.00	19	5.25	0.25	0.00	-1.43	0.00	-0.10	0.00
	21	6.60	-0.81	0.00	0.78	0.00	-0.54	0.00	21	5.25	0.81	0.00	-0.78	0.00	-0.46	0.00
	16	6.60	0.00	0.67	1.61	-0.34	0.00	0.00	17	6.60	0.00	0.80	-1.61	0.57	0.00	0.00
	17	6.60	0.00	0.68	1.30	-0.36	0.00	0.00	18	6.60	0.00	0.79	-1.30	0.55	0.00	0.00
	18	6.60	0.00	0.70	1.06	-0.38	0.00	0.00	19	6.60	0.00	0.77	-1.06	0.53	0.00	0.00
	19	6.60	0.00	0.65	0.81	-0.32	0.00	0.00	21	6.60	0.00	0.78	-0.81	0.54	0.00	0.00
	26	6.60	-0.03	0.58	1.34	-0.10	-0.07	0.00	11	5.25	0.03	0.91	-1.86	0.77	-0.05	0.00
	26	6.60	0.04	0.49	1.31	-0.08	0.09	0.01	1	5.25	-0.04	0.78	-1.84	0.59	0.06	-0.01
	26	6.60	0.00	-0.05	1.98	-0.08	-0.01	-0.01	16	6.60	0.00	0.61	-1.98	0.56	0.01	0.01
	171	0.00	0.00	-0.51	0.00	-0.36	0.00	0.19	7	0.00	0.00	-1.44	0.00	-0.17	0.00	-0.18
	117	0.00	0.00	-0.16	0.00	0.05	0.00	-0.01	8	0.00	0.00	-0.76	0.00	-0.44	0.00	0.01
	164	0.00	0.00	-0.54	0.00	0.26	0.00	0.13	9	0.00	0.00	-0.81	0.00	-0.46	0.00	-0.13
	95	0.00	0.00	-1.16	0.00	-0.02	0.00	0.02	91	0.00	0.00	1.09	0.00	0.03	0.00	-0.02
	91	0.00	0.00	-1.29	0.00	0.01	0.00	0.00	87	0.00	0.00	1.22	0.00	0.01	0.00	0.00
	87	0.00	0.00	-1.20	0.00	0.03	0.00	0.00	20	0.00	0.00	1.14	0.00	-0.02	0.00	0.00
	42	0.00	0.00	-0.34	0.00	0.02	0.00	0.17	43	0.00	0.00	-0.63	0.00	-0.14	0.00	-0.19
	43	0.00	0.00	-0.39	0.00	0.11	0.00	0.07	44	0.00	0.00	-0.61	0.00	-0.19	0.00	-0.10
	44	0.00	0.00	-0.41	0.00	0.17	0.00	0.02	16	0.00	0.00	-0.60	0.00	-0.24	0.00	-0.05
	60	0.00	0.00	-0.76	0.00	0.14	0.00	-0.28	61	0.00	0.00	-0.68	0.00	-0.11	0.00	0.26
	61	0.00	0.00	-0.74	0.00	0.12	0.00	-0.19	62	0.00	0.00	-0.70	0.00	-0.10	0.00	0.18
	62	0.00	0.00	-0.67	0.00	0.10	0.00	-0.12	22	0.00	0.00	-0.78	0.00	-0.15	0.00	0.11
	127	0.00	0.00	-0.64	0.00	0.04	0.00	-0.31	24	0.00	0.00	-1.24	0.00	-0.35	0.00	0.29
	160	0.00	0.00	3.91	0.00	0.40	0.00	-0.04	156	0.00	0.00	-4.01	0.00	-0.55	0.00	0.04
	156	0.00	0.00	3.17	0.00	0.18	0.00	-0.05	152	0.00	0.00	-3.17	0.00	-0.37	0.00	0.05
	152	0.00	0.00	2.04	0.00	0.07	0.00	-0.02	21	0.00	0.00	-2.04	0.00	-0.12	0.00	0.02
	78	0.00	0.00	-0.89	0.00	0.15	0.00	0.02	79	0.00	0.00	-0.84	0.00	-0.13	0.00	-0.03
	79	0.00	0.00	-0.89	0.00	0.15	0.00	0.09	80	0.00	0.00	-0.85	0.00	-0.13	0.00	-0.10
	80	0.00	0.00	-0.85	0.00	0.13	0.00	0.14	23	0.00	0.00	-0.89	0.00	-0.15	0.00	-0.15
	121	0.00	0.00	-0.93	0.00	0.13	0.00	0.25	14	0.00	0.00	-0.70	0.00	-0.03	0.00	-0.27
	143	0.00	0.00	-0.89	0.00	0.14	0.00	-0.10	144	0.00	0.00	-0.88	0.00	-0.13	0.00	0.09
	144	0.00	0.00	-0.92	0.00	0.15	0.00	-0.07	145	0.00	0.00	-0.86	0.00	-0.12	0.00	0.06
	145	0.00	0.00	-0.94	0.00	0.14	0.00	-0.06	25	0.00	0.00	-0.84	0.00	-0.09	0.00	0.06
	170	0.00	0.00	-0.84	0.00	0.18	0.00	0.19	168	0.00	0.00	-0.94	0.00	-0.22	0.00	-0.20
	168	0.00	0.00	-0.97	0.00	0.19	0.00	0.46	166	0.00	0.00	-0.82	0.00	-0.12	0.00	-0.48
	166	0.00	0.00	-1.25	0.00	0.20	0.00	0.50	15	0.00	0.00	-0.53	0.00	0.14	0.00	-0.52
	128	0.00	0.00	-0.53	0.00	0.24	0.00	0.01	129	0.00	0.00	-0.68	0.00	-0.31	0.00	-0.04
	129	0.00	0.00	-0.55	0.00	0.31	0.00	-0.02	130	0.00	0.00	-0.66	0.00	-0.36	0.00	-0.01
	130	0.00	0.00	-0.45	0.00	0.35	0.00	-0.09	19	0.00	0.00	-0.73	0.00	-0.49	0.00	0.06
	63	0.00	0.00	-0.63	0.00	0.24	0.00	-0.02	64	0.00	0.00	-0.58	0.00	-0.22	0.00	-0.01
	64	0.00	0.00	-0.68	0.00	0.23	0.00	-0.05	65	0.00	0.00	-0.53	0.00	-0.16	0.00	0.02
	65	0.00	0.00	-0.74	0.00	0.18	0.00	-0.09	17	0.00	0.00	-0.44	0.00	-0.05	0.00	0.06
	189	5.25	0.00	-0.07	0.00	0.61	0.00	0.13	190	5.25	0.00	0.30	0.00	-0.44	0.00	-0.13
	190	5.25	0.00	-0.28	0.00	0.43	0.00	0.12	191	5.25	0.00	0.50	0.00	-0.08	0.00	-0.12
	191	5.25	0.00	-0.55	0.00	0.07	0.00	0.15	2	5.25	0.00	0.78	0.00	0.54	0.00	-0.15
	195	5.25	0.00	0.23	0.00	-0.07	0.00	0.05	196	5.25	0.00	-0.02	0.00	-0.03	0.00	-0.05
	196	5.25	0.00	0.03	0.00	0.03	0.00	0.05	197	5.25	0.00	0.18	0.00	0.03	0.00	-0.05
	197	5.25	0.00	-0.21	0.00	-0.03	0.00	0.07	3	5.25	0.00	0.42	0.00	0.30	0.00	-0.07

CARATT. SOVRACCARICO PERMAN.: ASTE

Tratto	Filo In.	Alt. (m)	Tx (t)	Ty (t)	N (t)	Mx (t*m)	My (t*m)	Mt (t*m)	Filo Fin.	Alt. (m)	Tx (t)	Ty (t)	N (t)	Mx (t*m)	My (t*m)	Mt (t*m)
	199	5.25	0.00	0.19	0.00	0.06	0.00	0.00	10	5.25	0.00	0.00	0.00	-0.14	0.00	0.00
	205	5.25	0.00	0.19	0.00	0.06	0.00	-0.03	206	5.25	0.00	0.02	0.00	-0.14	0.00	0.03
	206	5.25	0.00	0.00	0.00	0.14	0.00	-0.03	207	5.25	0.00	0.22	0.00	-0.04	0.00	0.03
	207	5.25	0.00	-0.23	0.00	0.04	0.00	0.00	5	5.25	0.00	0.45	0.00	0.25	0.00	0.00
	211	5.25	0.00	0.22	0.00	0.16	0.00	-0.12	212	5.25	0.00	-0.01	0.00	-0.26	0.00	0.12
	212	5.25	0.00	0.02	0.00	0.27	0.00	-0.12	213	5.25	0.00	0.19	0.00	-0.20	0.00	0.12
	213	5.25	0.00	-0.19	0.00	0.19	0.00	-0.14	6	5.25	0.00	0.40	0.00	0.06	0.00	0.14
	201	5.25	0.00	-0.24	0.00	0.04	0.00	0.02	4	5.25	0.00	0.47	0.00	0.29	0.00	-0.02
	164	5.25	0.00	0.02	0.00	-0.01	0.00	0.01	15	5.25	0.00	-0.02	0.00	-0.01	0.00	-0.01

CARATT. Var.Bibl.Arch.: ASTE

Tratto	Filo In.	Alt. (m)	Tx (t)	Ty (t)	N (t)	Mx (t*m)	My (t*m)	Mt (t*m)	Filo Fin.	Alt. (m)	Tx (t)	Ty (t)	N (t)	Mx (t*m)	My (t*m)	Mt (t*m)
	1	0.00	0.00	-0.26	0.00	0.21	0.00	-0.08	2	0.00	0.00	-0.03	0.00	0.08	0.00	0.04
	7	0.00	0.00	1.56	0.00	-1.29	0.00	-0.02	13	0.00	0.00	-2.16	0.00	0.08	0.00	0.01
	11	0.00	0.00	-0.21	0.00	-0.21	0.00	-0.31	12	0.00	0.00	-1.07	0.00	-0.22	0.00	0.30
	11	0.00	0.00	-1.22	0.00	0.33	0.00	0.28	171	0.00	0.00	-0.52	0.00	0.03	0.00	-0.29
	14	0.00	0.00	-0.63	0.00	0.39	0.00	0.00	117	0.00	0.00	-0.26	0.00	-0.17	0.00	0.00
	15	0.00	0.00	-0.62	0.00	0.36	0.00	-0.12	164	0.00	0.00	-0.76	0.00	-0.46	0.00	0.12
	7	0.00	0.00	-1.10	0.00	0.98	0.00	-0.28	1	0.00	0.00	0.13	0.00	0.16	0.00	0.27
	2	0.00	0.00	-0.04	0.00	-0.05	0.00	0.04	3	0.00	0.00	-0.05	0.00	0.02	0.00	-0.08
	3	0.00	0.00	0.05	0.00	0.00	0.00	0.19	10	0.00	0.00	-0.12	0.00	-0.13	0.00	-0.21
	4	0.00	0.00	-0.05	0.00	-0.01	0.00	-0.05	5	0.00	0.00	-0.02	0.00	0.05	0.00	0.01
	5	0.00	0.00	-0.04	0.00	-0.05	0.00	0.08	6	0.00	0.00	-0.16	0.00	-0.07	0.00	-0.14
	10	0.00	0.00	-0.12	0.00	0.13	0.00	-0.19	4	0.00	0.00	0.04	0.00	0.02	0.00	0.16
	8	0.00	0.00	-0.54	0.00	-0.73	0.00	-0.12	18	0.00	0.00	-1.84	0.00	-0.51	0.00	0.08
	8	0.00	0.00	-1.87	0.00	0.80	0.00	0.06	95	0.00	0.00	1.81	0.00	-0.74	0.00	-0.06
	13	0.00	0.00	0.10	0.00	-0.22	0.00	0.14	42	0.00	0.00	-0.94	0.00	-0.19	0.00	-0.15
	12	0.00	0.00	-0.48	0.00	0.08	0.00	-0.51	60	0.00	0.00	-0.56	0.00	-0.11	0.00	0.50
	14	0.00	0.00	-0.64	0.00	0.06	0.00	-0.41	127	0.00	0.00	-0.76	0.00	-0.12	0.00	0.41
	9	0.00	0.00	4.99	0.00	1.53	0.00	0.00	160	0.00	0.00	-4.99	0.00	-1.75	0.00	0.00
	22	0.00	0.00	-0.59	0.00	0.08	0.00	-0.10	78	0.00	0.00	-0.68	0.00	-0.12	0.00	0.11
	23	0.00	0.00	-0.89	0.00	0.26	0.00	0.48	121	0.00	0.00	-0.33	0.00	-0.02	0.00	-0.48
	24	0.00	0.00	-0.67	0.00	0.10	0.00	-0.25	143	0.00	0.00	-0.67	0.00	-0.10	0.00	0.26
	25	0.00	0.00	-1.43	0.00	0.48	0.00	0.11	170	0.00	0.00	0.08	0.00	0.23	0.00	-0.09
	18	0.00	0.00	-0.29	0.00	0.21	0.00	0.01	128	0.00	0.00	-1.00	0.00	-0.54	0.00	-0.03
	19	0.00	0.00	-2.61	0.00	1.65	0.00	0.07	9	0.00	0.00	-1.88	0.00	-0.69	0.00	-0.15
	20	0.00	0.00	-1.05	0.00	0.98	0.00	0.00	10	0.00	0.00	0.24	0.00	0.40	0.00	0.00
	21	0.00	0.00	-1.27	0.00	0.99	0.00	0.06	6	0.00	0.00	0.04	0.00	0.27	0.00	-0.07
	16	0.00	0.00	-0.65	0.00	0.58	0.00	-0.02	63	0.00	0.00	-0.75	0.00	-0.63	0.00	0.00
	17	0.00	0.00	-1.69	0.00	0.31	0.00	0.07	8	0.00	0.00	-0.37	0.00	0.82	0.00	-0.10
	1	5.25	-0.02	-0.05	0.13	0.13	-0.04	0.00	1	0.00	0.02	0.05	-0.13	0.14	-0.04	0.00
	2	5.25	-0.01	-0.03	0.07	0.06	-0.03	0.00	2	0.00	0.01	0.03	-0.07	0.08	-0.03	0.00
	3	5.25	0.00	-0.03	0.00	0.07	0.00	0.00	3	0.00	0.00	0.03	0.00	0.10	0.00	0.00
	4	5.25	-0.01	-0.03	0.00	0.07	-0.02	0.00	4	0.00	0.01	0.03	0.00	0.10	-0.02	0.00
	5	5.25	0.00	-0.03	0.05	0.07	0.00	0.00	5	0.00	0.00	0.03	-0.05	0.09	0.00	0.00
	6	5.25	0.00	-0.05	0.11	0.12	0.01	0.00	6	0.00	0.00	0.05	-0.11	0.14	0.01	0.00
	7	5.25	0.08	-0.12	0.42	0.33	0.20	0.00	7	0.00	-0.08	0.12	-0.42	0.30	0.20	0.00
	1	5.25	0.00	-0.04	0.00	0.06	0.00	-0.02	189	5.25	0.00	0.04	0.00	-0.02	0.00	0.02
	2	5.25	0.00	0.02	0.00	-0.04	0.00	0.00	195	5.25	0.00	-0.02	0.00	0.03	0.00	0.00
	3	5.25	0.00	0.00	0.00	0.01	0.00	0.00	199	5.25	0.00	0.00	0.00	-0.01	0.00	0.00
	4	5.25	0.00	-0.02	0.00	0.02	0.00	0.01	205	5.25	0.00	0.02	0.00	0.00	0.00	-0.01
	5	5.25	0.00	0.02	0.00	-0.05	0.00	0.02	211	5.25	0.00	-0.02	0.00	0.03	0.00	-0.02
	10	5.25	0.00	0.00	0.00	0.01	0.00	0.00	201	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	2	5.25	0.00	0.02	0.00	-0.04	0.00	0.00	16	5.25	0.00	-0.02	0.00	0.00	0.00	0.00
	3	5.25	0.00	0.02	0.00	-0.06	0.00	0.00	17	5.25	0.00	-0.02	0.00	0.01	0.00	0.00

CARATT. Var.Bibl.Arch.: ASTE

Tratto	Filo In.	Alt. (m)	Tx (t)	Ty (t)	N (t)	Mx (t*m)	My (t*m)	Mt (t*m)	Filo Fin.	Alt. (m)	Tx (t)	Ty (t)	N (t)	Mx (t*m)	My (t*m)	Mt (t*m)
	4	5.25	0.00	0.02	0.00	-0.05	0.00	0.00	18	5.25	0.00	-0.02	0.00	0.01	0.00	0.00
	5	5.25	0.00	0.02	0.00	-0.04	0.00	0.00	19	5.25	0.00	-0.02	0.00	0.01	0.00	0.00
	6	5.25	0.00	0.13	0.00	-0.14	0.00	0.00	21	5.25	0.00	-0.13	0.00	-0.17	0.00	0.00
	16	5.25	0.00	0.01	0.00	0.00	0.00	0.00	22	5.25	0.00	-0.01	0.00	-0.03	0.00	0.00
	17	5.25	0.00	0.02	0.00	0.00	0.00	0.00	23	5.25	0.00	-0.02	0.00	-0.05	0.00	0.00
	18	5.25	0.00	0.02	0.00	0.00	0.00	0.00	24	5.25	0.00	-0.02	0.00	-0.05	0.00	0.00
	19	5.25	0.00	0.01	0.00	0.00	0.00	0.00	25	5.25	0.00	-0.01	0.00	-0.02	0.00	0.00
	9	5.25	0.00	-0.08	0.00	0.07	0.00	0.00	164	5.25	0.00	0.08	0.00	0.03	0.00	0.00
	21	5.25	0.00	0.14	0.00	0.21	0.00	0.00	9	5.25	0.00	-0.14	0.00	-0.21	0.00	0.00
	9	5.25	0.00	0.00	0.00	0.00	0.00	0.00	8	5.25	0.00	0.00	0.00	0.02	0.00	0.00
	8	5.25	0.00	0.02	0.00	-0.05	0.00	0.00	13	5.25	0.00	-0.02	0.00	-0.15	0.00	0.00
	1	5.25	0.00	0.17	0.00	-0.13	0.00	-0.03	7	5.25	0.00	-0.17	0.00	-0.28	0.00	0.03
	7	5.25	0.00	0.04	0.00	-0.01	0.00	0.02	11	5.25	0.00	-0.04	0.00	-0.08	0.00	-0.02
	13	5.25	0.00	-0.55	0.00	0.20	0.00	-0.02	7	5.25	0.00	0.55	0.00	0.16	0.00	0.02
	16	6.60	0.00	-0.01	0.01	0.00	-0.01	0.00	16	5.25	0.00	0.01	-0.01	0.01	0.00	0.00
	17	6.60	0.00	0.00	0.00	0.00	0.00	0.00	17	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	18	6.60	0.00	0.00	0.00	0.00	0.00	0.00	18	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	19	6.60	0.01	0.00	0.01	0.00	0.01	0.00	19	5.25	-0.01	0.00	-0.01	0.00	0.00	0.00
	21	6.60	0.01	0.00	0.00	0.00	0.01	0.00	21	5.25	-0.01	0.00	0.00	0.00	0.00	0.00
	16	6.60	0.00	0.00	-0.02	0.00	0.00	0.00	17	6.60	0.00	0.00	0.02	0.00	0.00	0.00
	17	6.60	0.00	0.00	-0.01	0.00	0.00	0.00	18	6.60	0.00	0.00	0.01	0.00	0.00	0.00
	18	6.60	0.00	0.00	-0.02	0.00	0.00	0.00	19	6.60	0.00	0.00	0.02	0.00	0.00	0.00
	19	6.60	0.00	0.00	-0.01	-0.01	0.00	0.00	21	6.60	0.00	0.00	0.01	-0.01	0.00	0.00
	26	6.60	0.00	0.00	0.00	0.00	0.00	0.00	11	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	26	6.60	0.00	0.00	-0.01	0.00	0.00	0.00	1	5.25	0.00	0.00	0.01	0.00	0.00	0.00
	26	6.60	-0.01	-0.01	-0.01	0.00	0.00	0.00	16	6.60	0.01	0.01	0.01	0.01	0.00	0.00
	171	0.00	0.00	-0.24	0.00	0.10	0.00	0.55	7	0.00	0.00	-1.27	0.00	-0.67	0.00	-0.57
	117	0.00	0.00	0.57	0.00	-0.22	0.00	-0.01	8	0.00	0.00	-1.37	0.00	-0.98	0.00	0.01
	164	0.00	0.00	0.07	0.00	0.21	0.00	0.13	9	0.00	0.00	-1.29	0.00	-1.06	0.00	-0.13
	95	0.00	0.00	-1.90	0.00	0.80	0.00	0.02	91	0.00	0.00	1.84	0.00	-0.74	0.00	-0.02
	91	0.00	0.00	-1.62	0.00	0.87	0.00	0.01	87	0.00	0.00	1.56	0.00	-0.82	0.00	-0.01
	87	0.00	0.00	-1.32	0.00	0.90	0.00	0.00	20	0.00	0.00	1.26	0.00	-0.87	0.00	0.00
	42	0.00	0.00	-0.04	0.00	0.12	0.00	0.07	43	0.00	0.00	-0.93	0.00	-0.47	0.00	-0.09
	43	0.00	0.00	-0.28	0.00	0.40	0.00	-0.01	44	0.00	0.00	-0.79	0.00	-0.60	0.00	-0.01
	44	0.00	0.00	-0.43	0.00	0.54	0.00	-0.03	16	0.00	0.00	-0.72	0.00	-0.66	0.00	0.02
	60	0.00	0.00	-0.54	0.00	0.11	0.00	-0.45	61	0.00	0.00	-0.51	0.00	-0.10	0.00	0.45
	61	0.00	0.00	-0.55	0.00	0.10	0.00	-0.33	62	0.00	0.00	-0.51	0.00	-0.08	0.00	0.34
	62	0.00	0.00	-0.49	0.00	0.08	0.00	-0.22	22	0.00	0.00	-0.58	0.00	-0.12	0.00	0.23
	127	0.00	0.00	-0.36	0.00	-0.01	0.00	-0.47	24	0.00	0.00	-1.06	0.00	-0.34	0.00	0.48
	160	0.00	0.00	4.19	0.00	1.28	0.00	0.00	156	0.00	0.00	-4.28	0.00	-1.45	0.00	0.00
	156	0.00	0.00	3.36	0.00	1.03	0.00	-0.01	152	0.00	0.00	-3.36	0.00	-1.23	0.00	0.01
	152	0.00	0.00	1.93	0.00	0.87	0.00	0.04	21	0.00	0.00	-1.93	0.00	-0.93	0.00	-0.04
	78	0.00	0.00	-0.64	0.00	0.11	0.00	0.04	79	0.00	0.00	-0.64	0.00	-0.11	0.00	-0.03
	79	0.00	0.00	-0.66	0.00	0.12	0.00	0.16	80	0.00	0.00	-0.63	0.00	-0.10	0.00	-0.15
	80	0.00	0.00	-0.64	0.00	0.10	0.00	0.25	23	0.00	0.00	-0.66	0.00	-0.11	0.00	-0.24
	121	0.00	0.00	-0.79	0.00	0.12	0.00	0.36	14	0.00	0.00	-0.43	0.00	0.04	0.00	-0.37
	143	0.00	0.00	-0.67	0.00	0.11	0.00	-0.18	144	0.00	0.00	-0.67	0.00	-0.11	0.00	0.19
	144	0.00	0.00	-0.72	0.00	0.13	0.00	-0.11	145	0.00	0.00	-0.63	0.00	-0.08	0.00	0.13
	145	0.00	0.00	-0.77	0.00	0.11	0.00	-0.06	25	0.00	0.00	-0.58	0.00	-0.02	0.00	0.08
	170	0.00	0.00	-0.57	0.00	0.14	0.00	0.31	168	0.00	0.00	-0.78	0.00	-0.24	0.00	-0.29
	168	0.00	0.00	-0.70	0.00	0.16	0.00	0.65	166	0.00	0.00	-0.66	0.00	-0.14	0.00	-0.64
	166	0.00	0.00	-0.87	0.00	0.19	0.00	0.66	15	0.00	0.00	-0.48	0.00	0.00	0.00	-0.66
	128	0.00	0.00	-0.52	0.00	0.48	0.00	-0.03	129	0.00	0.00	-0.86	0.00	-0.64	0.00	0.01
	129	0.00	0.00	-0.62	0.00	0.61	0.00	-0.03	130	0.00	0.00	-0.80	0.00	-0.70	0.00	0.01
	130	0.00	0.00	-0.51	0.00	0.69	0.00	-0.07	19	0.00	0.00	-0.89	0.00	-0.87	0.00	0.06
	63	0.00	0.00	-0.79	0.00	0.63	0.00	-0.01	64	0.00	0.00	-0.61	0.00	-0.55	0.00	-0.01

CARATT. Var.Bibl.Arch.: ASTE

Tratto	Filo In.	Alt. (m)	Tx (t)	Ty (t)	N (t)	Mx (t*m)	My (t*m)	Mt (t*m)	Filo Fin.	Alt. (m)	Tx (t)	Ty (t)	N (t)	Mx (t*m)	My (t*m)	Mt (t*m)
	64	0.00	0.00	-0.89	0.00	0.59	0.00	-0.01	65	0.00	0.00	-0.46	0.00	-0.40	0.00	-0.01
	65	0.00	0.00	-1.05	0.00	0.46	0.00	-0.03	17	0.00	0.00	-0.20	0.00	-0.07	0.00	0.02
	189	5.25	0.00	-0.03	0.00	0.02	0.00	-0.01	190	5.25	0.00	0.03	0.00	0.00	0.00	0.01
	190	5.25	0.00	-0.03	0.00	-0.01	0.00	-0.01	191	5.25	0.00	0.03	0.00	0.03	0.00	0.01
	191	5.25	0.00	-0.04	0.00	-0.03	0.00	-0.01	2	5.25	0.00	0.04	0.00	0.07	0.00	0.01
	195	5.25	0.00	0.01	0.00	-0.03	0.00	0.00	196	5.25	0.00	-0.01	0.00	0.02	0.00	0.00
	196	5.25	0.00	0.01	0.00	-0.02	0.00	0.00	197	5.25	0.00	-0.01	0.00	0.01	0.00	0.00
	197	5.25	0.00	0.01	0.00	-0.01	0.00	0.00	3	5.25	0.00	-0.01	0.00	0.00	0.00	0.00
	199	5.25	0.00	0.00	0.00	0.01	0.00	0.00	10	5.25	0.00	0.00	0.00	-0.01	0.00	0.00
	205	5.25	0.00	-0.02	0.00	0.00	0.00	0.01	206	5.25	0.00	0.02	0.00	0.01	0.00	-0.01
	206	5.25	0.00	-0.02	0.00	-0.01	0.00	0.01	207	5.25	0.00	0.02	0.00	0.03	0.00	-0.01
	207	5.25	0.00	-0.02	0.00	-0.03	0.00	0.00	5	5.25	0.00	0.02	0.00	0.05	0.00	0.00
	211	5.25	0.00	0.02	0.00	-0.03	0.00	0.02	212	5.25	0.00	-0.02	0.00	0.02	0.00	-0.02
	212	5.25	0.00	0.02	0.00	-0.02	0.00	0.02	213	5.25	0.00	-0.02	0.00	0.00	0.00	-0.02
	213	5.25	0.00	0.02	0.00	0.00	0.00	0.03	6	5.25	0.00	-0.02	0.00	-0.01	0.00	-0.03
	201	5.25	0.00	0.00	0.00	0.00	0.00	0.00	4	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	164	5.25	0.00	-0.02	0.00	0.01	0.00	0.00	15	5.25	0.00	0.02	0.00	0.01	0.00	0.00

CARATT. Var.Coperture: ASTE

Tratto	Filo In.	Alt. (m)	Tx (t)	Ty (t)	N (t)	Mx (t*m)	My (t*m)	Mt (t*m)	Filo Fin.	Alt. (m)	Tx (t)	Ty (t)	N (t)	Mx (t*m)	My (t*m)	Mt (t*m)
	1	0.00	0.00	-0.58	0.00	-0.44	0.00	0.05	2	0.00	0.00	-1.59	0.00	-1.12	0.00	-0.02
	7	0.00	0.00	-0.47	0.00	0.34	0.00	0.40	13	0.00	0.00	0.12	0.00	-0.15	0.00	-0.41
	11	0.00	0.00	0.55	0.00	-0.73	0.00	-0.08	12	0.00	0.00	-1.50	0.00	-0.30	0.00	0.06
	11	0.00	0.00	-1.36	0.00	0.15	0.00	-0.29	171	0.00	0.00	0.15	0.00	0.63	0.00	0.31
	14	0.00	0.00	-0.27	0.00	0.05	0.00	0.00	117	0.00	0.00	-0.28	0.00	-0.07	0.00	0.00
	15	0.00	0.00	-0.59	0.00	0.15	0.00	0.17	164	0.00	0.00	-0.22	0.00	0.05	0.00	-0.17
	7	0.00	0.00	0.12	0.00	-1.31	0.00	0.03	1	0.00	0.00	-1.09	0.00	0.09	0.00	-0.02
	2	0.00	0.00	-1.43	0.00	1.17	0.00	-0.04	3	0.00	0.00	-1.11	0.00	-0.70	0.00	0.07
	3	0.00	0.00	-1.50	0.00	0.68	0.00	-0.09	10	0.00	0.00	0.50	0.00	0.88	0.00	0.11
	4	0.00	0.00	-1.16	0.00	0.85	0.00	0.10	5	0.00	0.00	-1.32	0.00	-1.13	0.00	-0.08
	5	0.00	0.00	-1.37	0.00	1.21	0.00	0.06	6	0.00	0.00	-0.10	0.00	0.49	0.00	-0.04
	10	0.00	0.00	0.36	0.00	-0.88	0.00	0.13	4	0.00	0.00	-1.53	0.00	-0.82	0.00	-0.11
	8	0.00	0.00	-0.97	0.00	1.07	0.00	0.10	18	0.00	0.00	0.26	0.00	0.11	0.00	-0.14
	8	0.00	0.00	1.54	0.00	-0.86	0.00	-0.01	95	0.00	0.00	-1.56	0.00	0.76	0.00	0.01
	13	0.00	0.00	-0.68	0.00	0.27	0.00	0.20	42	0.00	0.00	0.33	0.00	0.13	0.00	-0.21
	12	0.00	0.00	-0.45	0.00	0.12	0.00	0.08	60	0.00	0.00	-0.31	0.00	-0.06	0.00	-0.09
	14	0.00	0.00	-0.53	0.00	0.10	0.00	0.05	127	0.00	0.00	-0.44	0.00	-0.06	0.00	-0.08
	9	0.00	0.00	0.91	0.00	-0.87	0.00	-0.04	160	0.00	0.00	-0.91	0.00	0.85	0.00	0.04
	22	0.00	0.00	-0.50	0.00	0.10	0.00	0.03	78	0.00	0.00	-0.41	0.00	-0.06	0.00	-0.05
	23	0.00	0.00	-0.47	0.00	0.08	0.00	-0.07	121	0.00	0.00	-0.38	0.00	-0.05	0.00	0.05
	24	0.00	0.00	-0.49	0.00	0.09	0.00	0.07	143	0.00	0.00	-0.42	0.00	-0.06	0.00	-0.10
	25	0.00	0.00	-0.44	0.00	0.07	0.00	-0.06	170	0.00	0.00	-0.47	0.00	-0.08	0.00	0.03
	18	0.00	0.00	-0.29	0.00	-0.05	0.00	0.08	128	0.00	0.00	0.09	0.00	0.22	0.00	-0.10
	19	0.00	0.00	-0.09	0.00	-0.27	0.00	-0.12	9	0.00	0.00	-0.69	0.00	-0.48	0.00	0.03
	20	0.00	0.00	0.21	0.00	-1.05	0.00	0.00	10	0.00	0.00	-0.87	0.00	-0.24	0.00	0.00
	21	0.00	0.00	0.15	0.00	-0.97	0.00	-0.24	6	0.00	0.00	-0.64	0.00	-0.01	0.00	0.24
	16	0.00	0.00	-0.04	0.00	-0.36	0.00	0.02	63	0.00	0.00	-0.08	0.00	0.34	0.00	-0.04
	17	0.00	0.00	0.34	0.00	-0.07	0.00	-0.13	8	0.00	0.00	-0.98	0.00	-1.06	0.00	0.09
	1	5.25	0.07	0.11	1.67	-0.24	0.30	0.00	1	0.00	-0.07	-0.11	-1.67	-0.32	0.09	0.00
	2	5.25	-0.02	-0.04	3.03	0.26	-0.07	0.00	2	0.00	0.02	0.04	-3.03	-0.06	-0.01	0.00
	3	5.25	-0.01	-0.08	2.60	0.41	-0.02	0.00	3	0.00	0.01	0.08	-2.60	-0.01	-0.05	0.00
	4	5.25	0.01	-0.08	2.69	0.42	0.01	0.00	4	0.00	-0.01	0.08	-2.69	-0.01	0.03	0.00
	5	5.25	-0.03	-0.06	2.69	0.33	-0.07	0.00	5	0.00	0.03	0.06	-2.69	-0.02	-0.09	0.00
	6	5.25	-0.03	0.05	0.73	-0.10	-0.10	0.00	6	0.00	0.03	-0.05	-0.73	-0.16	-0.07	0.00
	7	5.25	-0.08	0.22	0.92	-0.62	-0.20	0.00	7	0.00	0.08	-0.22	-0.92	-0.51	-0.20	0.00

CARATT. Var.Bibl.Arch.: ASTE

Tratto	Filo In.	Alt. (m)	Tx (t)	Ty (t)	N (t)	Mx (t*m)	My (t*m)	Mt (t*m)	Filo Fin.	Alt. (m)	Tx (t)	Ty (t)	N (t)	Mx (t*m)	My (t*m)	Mt (t*m)
	1	5.25	0.00	0.27	0.00	0.62	0.00	0.11	189	5.25	0.00	0.01	0.00	-0.74	0.00	-0.11
	2	5.25	0.00	0.68	0.00	-0.52	0.00	-0.03	195	5.25	0.00	-0.43	0.00	0.04	0.00	0.03
	3	5.25	0.00	0.63	0.00	-0.33	0.00	-0.08	199	5.25	0.00	-0.39	0.00	-0.07	0.00	0.08
	4	5.25	0.00	0.66	0.00	-0.37	0.00	-0.11	205	5.25	0.00	-0.41	0.00	-0.09	0.00	0.11
	5	5.25	0.00	0.68	0.00	-0.21	0.00	-0.22	211	5.25	0.00	-0.42	0.00	-0.26	0.00	0.22
	10	5.25	0.00	-0.02	0.00	0.21	0.00	0.01	201	5.25	0.00	0.29	0.00	-0.07	0.00	-0.01
	2	5.25	0.00	0.70	0.00	-0.61	0.00	-0.17	16	5.25	0.00	-0.70	0.00	-0.99	0.00	0.17
	3	5.25	0.00	0.80	0.00	-0.67	0.00	-0.12	17	5.25	0.00	-0.80	0.00	-1.16	0.00	0.12
	4	5.25	0.00	0.79	0.00	-0.66	0.00	-0.10	18	5.25	0.00	-0.79	0.00	-1.16	0.00	0.10
	5	5.25	0.00	0.78	0.00	-0.68	0.00	-0.08	19	5.25	0.00	-0.78	0.00	-1.10	0.00	0.08
	6	5.25	0.00	-0.13	0.00	0.18	0.00	-0.07	21	5.25	0.00	0.13	0.00	0.12	0.00	0.07
	16	5.25	0.00	-0.79	0.00	0.99	0.00	0.15	22	5.25	0.00	0.79	0.00	0.98	0.00	-0.15
	17	5.25	0.00	-0.91	0.00	1.14	0.00	0.11	23	5.25	0.00	0.91	0.00	1.14	0.00	-0.11
	18	5.25	0.00	-0.92	0.00	1.15	0.00	0.09	24	5.25	0.00	0.92	0.00	1.15	0.00	-0.09
	19	5.25	0.00	-0.87	0.00	1.09	0.00	0.07	25	5.25	0.00	0.87	0.00	1.07	0.00	-0.07
	9	5.25	0.00	0.17	0.00	-0.15	0.00	0.04	164	5.25	0.00	-0.17	0.00	-0.06	0.00	-0.04
	21	5.25	0.00	-1.03	0.00	-0.30	0.00	0.56	9	5.25	0.00	1.03	0.00	0.36	0.00	-0.56
	9	5.25	0.00	0.05	0.00	-0.34	0.00	0.00	8	5.25	0.00	-0.05	0.00	-0.14	0.00	0.00
	8	5.25	0.00	-0.03	0.00	0.10	0.00	0.00	13	5.25	0.00	0.03	0.00	0.15	0.00	0.00
	1	5.25	0.00	-0.99	0.00	1.14	0.00	0.11	7	5.25	0.00	0.99	0.00	1.20	0.00	-0.11
	7	5.25	0.00	0.52	0.00	-0.65	0.00	-0.05	11	5.25	0.00	-0.52	0.00	-0.46	0.00	0.05
	13	5.25	0.00	0.59	0.00	-0.19	0.00	0.06	7	5.25	0.00	-0.59	0.00	-0.19	0.00	-0.06
	16	6.60	-0.42	0.00	1.48	0.01	-0.25	0.01	16	5.25	0.42	0.00	-1.48	-0.01	-0.27	-0.01
	17	6.60	-0.36	0.00	1.71	0.00	-0.24	0.00	17	5.25	0.36	0.00	-1.71	0.00	-0.20	0.00
	18	6.60	-0.28	0.00	1.71	0.00	-0.19	0.00	18	5.25	0.28	0.00	-1.71	0.00	-0.16	0.00
	19	6.60	-0.29	0.00	1.64	0.00	-0.25	0.00	19	5.25	0.29	0.00	-1.64	0.00	-0.12	0.00
	21	6.60	-0.94	0.00	0.90	0.00	-0.64	0.00	21	5.25	0.94	0.00	-0.90	0.00	-0.53	0.00
	16	6.60	0.00	0.78	1.87	-0.39	0.00	0.00	17	6.60	0.00	0.92	-1.87	0.66	0.00	0.00
	17	6.60	0.00	0.79	1.51	-0.42	0.00	0.00	18	6.60	0.00	0.91	-1.51	0.64	0.00	0.00
	18	6.60	0.00	0.80	1.23	-0.44	0.00	0.00	19	6.60	0.00	0.89	-1.23	0.61	0.00	0.00
	19	6.60	0.00	0.75	0.94	-0.36	0.00	0.00	21	6.60	0.00	0.90	-0.94	0.64	0.00	0.00
	26	6.60	-0.03	0.67	1.54	-0.12	-0.08	0.00	11	5.25	0.03	1.05	-2.15	0.89	-0.06	0.00
	26	6.60	0.05	0.56	1.52	-0.09	0.10	0.01	1	5.25	-0.05	0.90	-2.13	0.68	0.06	-0.01
	26	6.60	0.00	-0.06	2.29	-0.10	-0.01	-0.01	16	6.60	0.00	0.71	-2.29	0.64	0.02	0.01
	171	0.00	0.00	-0.46	0.00	-0.58	0.00	-0.31	7	0.00	0.00	-0.48	0.00	0.55	0.00	0.33
	117	0.00	0.00	-0.85	0.00	0.30	0.00	0.00	8	0.00	0.00	0.49	0.00	0.51	0.00	0.00
	164	0.00	0.00	-0.84	0.00	0.11	0.00	0.02	9	0.00	0.00	0.35	0.00	0.59	0.00	-0.03
	95	0.00	0.00	0.61	0.00	-0.95	0.00	0.00	91	0.00	0.00	-0.63	0.00	0.90	0.00	0.00
	91	0.00	0.00	0.10	0.00	-0.99	0.00	0.00	87	0.00	0.00	-0.12	0.00	0.97	0.00	0.00
	87	0.00	0.00	-0.14	0.00	-1.00	0.00	0.00	20	0.00	0.00	0.12	0.00	0.99	0.00	0.00
	42	0.00	0.00	-0.40	0.00	-0.09	0.00	0.14	43	0.00	0.00	0.14	0.00	0.30	0.00	-0.16
	43	0.00	0.00	-0.21	0.00	-0.27	0.00	0.10	44	0.00	0.00	0.03	0.00	0.36	0.00	-0.12
	44	0.00	0.00	-0.09	0.00	-0.34	0.00	0.06	16	0.00	0.00	-0.04	0.00	0.36	0.00	-0.08
	60	0.00	0.00	-0.42	0.00	0.07	0.00	0.09	61	0.00	0.00	-0.35	0.00	-0.04	0.00	-0.11
	61	0.00	0.00	-0.38	0.00	0.05	0.00	0.09	62	0.00	0.00	-0.38	0.00	-0.05	0.00	-0.10
	62	0.00	0.00	-0.36	0.00	0.05	0.00	0.06	22	0.00	0.00	-0.41	0.00	-0.07	0.00	-0.08
	127	0.00	0.00	-0.46	0.00	0.07	0.00	0.08	24	0.00	0.00	-0.51	0.00	-0.10	0.00	-0.11
	160	0.00	0.00	0.76	0.00	-0.92	0.00	-0.05	156	0.00	0.00	-0.79	0.00	0.91	0.00	0.05
	156	0.00	0.00	0.65	0.00	-0.96	0.00	-0.05	152	0.00	0.00	-0.65	0.00	0.90	0.00	0.05
	152	0.00	0.00	0.65	0.00	-0.93	0.00	-0.07	21	0.00	0.00	-0.65	0.00	0.92	0.00	0.07
	78	0.00	0.00	-0.47	0.00	0.07	0.00	-0.01	79	0.00	0.00	-0.43	0.00	-0.05	0.00	-0.01
	79	0.00	0.00	-0.46	0.00	0.07	0.00	-0.04	80	0.00	0.00	-0.44	0.00	-0.06	0.00	0.02
	80	0.00	0.00	-0.44	0.00	0.07	0.00	-0.06	23	0.00	0.00	-0.47	0.00	-0.08	0.00	0.04
	121	0.00	0.00	-0.40	0.00	0.05	0.00	-0.04	14	0.00	0.00	-0.45	0.00	-0.07	0.00	0.02
	143	0.00	0.00	-0.46	0.00	0.07	0.00	0.05	144	0.00	0.00	-0.45	0.00	-0.06	0.00	-0.08
	144	0.00	0.00	-0.45	0.00	0.06	0.00	0.02	145	0.00	0.00	-0.46	0.00	-0.07	0.00	-0.05

CARATT. Var.Bibl.Arch.: ASTE

Tratto	Filo In.	Alt. (m)	Tx (t)	Ty (t)	N (t)	Mx (t*m)	My (t*m)	Mt (t*m)	Filo Fin.	Alt. (m)	Tx (t)	Ty (t)	N (t)	Mx (t*m)	My (t*m)	Mt (t*m)
	145	0.00	0.00	-0.42	0.00	0.06	0.00	-0.01	25	0.00	0.00	-0.49	0.00	-0.10	0.00	-0.01
	170	0.00	0.00	-0.50	0.00	0.08	0.00	-0.06	168	0.00	0.00	-0.41	0.00	-0.04	0.00	0.03
	168	0.00	0.00	-0.53	0.00	0.08	0.00	-0.06	166	0.00	0.00	-0.38	0.00	-0.02	0.00	0.03
	166	0.00	0.00	-0.73	0.00	0.07	0.00	-0.02	15	0.00	0.00	-0.18	0.00	0.19	0.00	-0.01
	128	0.00	0.00	-0.15	0.00	-0.19	0.00	0.05	129	0.00	0.00	0.01	0.00	0.26	0.00	-0.07
	129	0.00	0.00	-0.07	0.00	-0.24	0.00	0.01	130	0.00	0.00	-0.02	0.00	0.26	0.00	-0.03
	130	0.00	0.00	-0.05	0.00	-0.26	0.00	-0.05	19	0.00	0.00	-0.03	0.00	0.27	0.00	0.02
	63	0.00	0.00	-0.01	0.00	-0.34	0.00	-0.02	64	0.00	0.00	-0.12	0.00	0.29	0.00	0.00
	64	0.00	0.00	0.04	0.00	-0.31	0.00	-0.06	65	0.00	0.00	-0.20	0.00	0.20	0.00	0.04
	65	0.00	0.00	0.14	0.00	-0.24	0.00	-0.09	17	0.00	0.00	-0.37	0.00	0.01	0.00	0.07
	189	5.25	0.00	-0.02	0.00	0.78	0.00	0.12	190	5.25	0.00	0.29	0.00	-0.64	0.00	-0.12
	190	5.25	0.00	-0.36	0.00	0.64	0.00	0.14	191	5.25	0.00	0.63	0.00	-0.18	0.00	-0.14
	191	5.25	0.00	-0.79	0.00	0.18	0.00	0.22	2	5.25	0.00	1.06	0.00	0.67	0.00	-0.22
	195	5.25	0.00	0.31	0.00	-0.05	0.00	0.04	196	5.25	0.00	-0.05	0.00	-0.11	0.00	-0.04
	196	5.25	0.00	-0.02	0.00	0.11	0.00	0.07	197	5.25	0.00	0.28	0.00	0.02	0.00	-0.07
	197	5.25	0.00	-0.41	0.00	-0.01	0.00	0.14	3	5.25	0.00	0.66	0.00	0.47	0.00	-0.14
	199	5.25	0.00	0.29	0.00	0.08	0.00	-0.01	10	5.25	0.00	-0.05	0.00	-0.21	0.00	0.01
	205	5.25	0.00	0.29	0.00	0.09	0.00	-0.05	206	5.25	0.00	-0.04	0.00	-0.23	0.00	0.05
	206	5.25	0.00	-0.03	0.00	0.23	0.00	-0.02	207	5.25	0.00	0.28	0.00	-0.10	0.00	0.02
	207	5.25	0.00	-0.40	0.00	0.09	0.00	0.05	5	5.25	0.00	0.66	0.00	0.36	0.00	-0.05
	211	5.25	0.00	0.32	0.00	0.27	0.00	-0.15	212	5.25	0.00	-0.07	0.00	-0.44	0.00	0.15
	212	5.25	0.00	0.00	0.00	0.45	0.00	-0.13	213	5.25	0.00	0.26	0.00	-0.34	0.00	0.13
	213	5.25	0.00	-0.35	0.00	0.32	0.00	-0.11	6	5.25	0.00	0.61	0.00	0.09	0.00	0.11
	201	5.25	0.00	-0.42	0.00	0.07	0.00	0.08	4	5.25	0.00	0.70	0.00	0.44	0.00	-0.08
	164	5.25	0.00	0.04	0.00	-0.03	0.00	0.01	15	5.25	0.00	-0.04	0.00	-0.02	0.00	-0.01

CARATT. MAsse: ASTE

Tratto	Filo In.	Alt. (m)	Tx (t)	Ty (t)	N (t)	Mx (t*m)	My (t*m)	Mt (t*m)	Filo Fin.	Alt. (m)	Tx (t)	Ty (t)	N (t)	Mx (t*m)	My (t*m)	Mt (t*m)
	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	171	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	117	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	164	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	127	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	160	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	78	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	121	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	143	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	170	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	128	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	63	0.00	0.00	0.00	0.00	0.00	0.00	0.00

CARATT. MAsse: ASTE

Tratto	Filo In.	Alt. (m)	Tx (t)	Ty (t)	N (t)	Mx (t*m)	My (t*m)	Mt (t*m)	Filo Fin.	Alt. (m)	Tx (t)	Ty (t)	N (t)	Mx (t*m)	My (t*m)	Mt (t*m)
	17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1	5.25	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2	5.25	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3	5.25	0.00	0.00	0.00	0.00	0.00	0.00	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4	5.25	0.00	0.00	0.00	0.00	0.00	0.00	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5	5.25	0.00	0.00	0.00	0.00	0.00	0.00	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6	5.25	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	7	5.25	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1	5.25	0.00	0.00	0.00	0.00	0.00	0.00	189	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	2	5.25	0.00	0.00	0.00	0.00	0.00	0.00	195	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	3	5.25	0.00	0.00	0.00	0.00	0.00	0.00	199	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	4	5.25	0.00	0.00	0.00	0.00	0.00	0.00	205	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	5	5.25	0.00	0.00	0.00	0.00	0.00	0.00	211	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	10	5.25	0.00	0.00	0.00	0.00	0.00	0.00	201	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	2	5.25	0.00	0.00	0.00	0.00	0.00	0.00	16	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	3	5.25	0.00	0.00	0.00	0.00	0.00	0.00	17	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	4	5.25	0.00	0.00	0.00	0.00	0.00	0.00	18	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	5	5.25	0.00	0.00	0.00	0.00	0.00	0.00	19	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	6	5.25	0.00	0.00	0.00	0.00	0.00	0.00	21	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	16	5.25	0.00	0.00	0.00	0.00	0.00	0.00	22	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	17	5.25	0.00	0.00	0.00	0.00	0.00	0.00	23	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	18	5.25	0.00	0.00	0.00	0.00	0.00	0.00	24	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	19	5.25	0.00	0.00	0.00	0.00	0.00	0.00	25	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	9	5.25	0.00	0.00	0.00	0.00	0.00	0.00	164	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	21	5.25	0.00	0.00	0.00	0.00	0.00	0.00	9	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	9	5.25	0.00	0.00	0.00	0.00	0.00	0.00	8	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	8	5.25	0.00	0.00	0.00	0.00	0.00	0.00	13	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	1	5.25	0.00	0.00	0.00	0.00	0.00	0.00	7	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	7	5.25	0.00	0.00	0.00	0.00	0.00	0.00	11	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	13	5.25	0.00	0.00	0.00	0.00	0.00	0.00	7	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	16	6.60	0.00	0.00	0.00	0.00	0.00	0.00	16	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	17	6.60	0.00	0.00	0.00	0.00	0.00	0.00	17	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	18	6.60	0.00	0.00	0.00	0.00	0.00	0.00	18	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	19	6.60	0.00	0.00	0.00	0.00	0.00	0.00	19	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	21	6.60	0.00	0.00	0.00	0.00	0.00	0.00	21	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	16	6.60	0.00	0.00	0.00	0.00	0.00	0.00	17	6.60	0.00	0.00	0.00	0.00	0.00	0.00
	17	6.60	0.00	0.00	0.00	0.00	0.00	0.00	18	6.60	0.00	0.00	0.00	0.00	0.00	0.00
	18	6.60	0.00	0.00	0.00	0.00	0.00	0.00	19	6.60	0.00	0.00	0.00	0.00	0.00	0.00
	19	6.60	0.00	0.00	0.00	0.00	0.00	0.00	21	6.60	0.00	0.00	0.00	0.00	0.00	0.00
	26	6.60	0.00	0.00	0.00	0.00	0.00	0.00	11	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	26	6.60	0.00	0.00	0.00	0.00	0.00	0.00	1	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	26	6.60	0.00	0.00	0.00	0.00	0.00	0.00	16	6.60	0.00	0.00	0.00	0.00	0.00	0.00
	171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	117	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	164	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	87	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	43	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	61	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	127	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	156	0.00	0.00	0.00	0.00	0.00	0.00	0.00

CARATT. MAsse: ASTE

Tratto	Filo In.	Alt. (m)	Tx (t)	Ty (t)	N (t)	Mx (t*m)	My (t*m)	Mt (t*m)	Filo Fin.	Alt. (m)	Tx (t)	Ty (t)	N (t)	Mx (t*m)	My (t*m)	Mt (t*m)
	156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	152	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	79	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	121	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	143	0.00	0.00	0.00	0.00	0.00	0.00	0.00	144	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	145	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	168	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	166	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	128	0.00	0.00	0.00	0.00	0.00	0.00	0.00	129	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	129	0.00	0.00	0.00	0.00	0.00	0.00	0.00	130	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	65	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	189	5.25	0.00	0.00	0.00	0.00	0.00	0.00	190	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	190	5.25	0.00	0.00	0.00	0.00	0.00	0.00	191	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	191	5.25	0.00	0.00	0.00	0.00	0.00	0.00	2	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	195	5.25	0.00	0.00	0.00	0.00	0.00	0.00	196	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	196	5.25	0.00	0.00	0.00	0.00	0.00	0.00	197	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	197	5.25	0.00	0.00	0.00	0.00	0.00	0.00	3	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	199	5.25	0.00	0.00	0.00	0.00	0.00	0.00	10	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	205	5.25	0.00	0.00	0.00	0.00	0.00	0.00	206	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	206	5.25	0.00	0.00	0.00	0.00	0.00	0.00	207	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	207	5.25	0.00	0.00	0.00	0.00	0.00	0.00	5	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	211	5.25	0.00	0.00	0.00	0.00	0.00	0.00	212	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	212	5.25	0.00	0.00	0.00	0.00	0.00	0.00	213	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	213	5.25	0.00	0.00	0.00	0.00	0.00	0.00	6	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	201	5.25	0.00	0.00	0.00	0.00	0.00	0.00	4	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	164	5.25	0.00	0.00	0.00	0.00	0.00	0.00	15	5.25	0.00	0.00	0.00	0.00	0.00	0.00

CARATT. Corr. Tors. dir. 0: ASTE

Tratto	Filo In.	Alt. (m)	Tx (t)	Ty (t)	N (t)	Mx (t*m)	My (t*m)	Mt (t*m)	Filo Fin.	Alt. (m)	Tx (t)	Ty (t)	N (t)	Mx (t*m)	My (t*m)	Mt (t*m)
	1	0.00	0.00	-0.09	0.00	0.06	0.00	-0.01	2	0.00	0.00	-0.01	0.00	0.04	0.00	0.01
	7	0.00	0.00	0.25	0.00	-0.04	0.00	0.00	13	0.00	0.00	-0.28	0.00	-0.13	0.00	0.00
	11	0.00	0.00	-0.03	0.00	0.04	0.00	0.02	12	0.00	0.00	0.10	0.00	0.02	0.00	-0.02
	11	0.00	0.00	0.12	0.00	-0.02	0.00	0.00	171	0.00	0.00	-0.06	0.00	-0.07	0.00	0.00
	14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	117	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	15	0.00	0.00	-0.09	0.00	0.04	0.00	-0.03	164	0.00	0.00	0.05	0.00	0.04	0.00	0.03
	7	0.00	0.00	-0.16	0.00	0.22	0.00	-0.05	1	0.00	0.00	0.06	0.00	0.03	0.00	0.05
	2	0.00	0.00	-0.02	0.00	0.00	0.00	0.01	3	0.00	0.00	0.01	0.00	0.03	0.00	-0.01
	3	0.00	0.00	-0.01	0.00	0.01	0.00	0.01	10	0.00	0.00	0.01	0.00	0.00	0.00	-0.01
	4	0.00	0.00	-0.01	0.00	0.02	0.00	0.01	5	0.00	0.00	0.01	0.00	0.00	0.00	-0.01
	5	0.00	0.00	0.01	0.00	0.04	0.00	-0.02	6	0.00	0.00	0.07	0.00	0.03	0.00	0.02
	10	0.00	0.00	0.00	0.00	0.00	0.00	0.02	4	0.00	0.00	0.01	0.00	0.01	0.00	-0.02
	8	0.00	0.00	0.01	0.00	0.00	0.00	0.02	18	0.00	0.00	0.00	0.00	0.00	0.00	-0.02
	8	0.00	0.00	0.04	0.00	-0.01	0.00	0.00	95	0.00	0.00	-0.04	0.00	0.01	0.00	0.00
	13	0.00	0.00	-0.11	0.00	0.14	0.00	0.02	42	0.00	0.00	0.08	0.00	-0.06	0.00	-0.02
	12	0.00	0.00	0.03	0.00	-0.01	0.00	0.03	60	0.00	0.00	0.02	0.00	0.01	0.00	-0.03
	14	0.00	0.00	0.00	0.00	0.00	0.00	0.02	127	0.00	0.00	-0.01	0.00	0.00	0.00	-0.02
	9	0.00	0.00	0.20	0.00	-0.23	0.00	0.00	160	0.00	0.00	-0.20	0.00	0.22	0.00	0.00
	22	0.00	0.00	0.02	0.00	0.00	0.00	0.03	78	0.00	0.00	0.01	0.00	0.00	0.00	-0.03

CARATT. Corr. Tors. dir. 0: ASTE

Tratto	Filo In.	Alt. (m)	Tx (t)	Ty (t)	N (t)	Mx (t*m)	My (t*m)	Mt (t*m)	Filo Fin.	Alt. (m)	Tx (t)	Ty (t)	N (t)	Mx (t*m)	My (t*m)	Mt (t*m)
	23	0.00	0.00	0.01	0.00	0.00	0.00	0.03	121	0.00	0.00	0.00	0.00	0.00	0.00	-0.03
	24	0.00	0.00	-0.01	0.00	0.00	0.00	0.02	143	0.00	0.00	-0.01	0.00	0.00	0.00	-0.03
	25	0.00	0.00	-0.02	0.00	0.00	0.00	0.03	170	0.00	0.00	-0.03	0.00	0.00	0.00	-0.04
	18	0.00	0.00	0.00	0.00	0.00	0.00	0.02	128	0.00	0.00	0.00	0.00	0.00	0.00	-0.02
	19	0.00	0.00	0.02	0.00	0.03	0.00	0.01	9	0.00	0.00	0.07	0.00	0.00	0.00	-0.02
	20	0.00	0.00	0.01	0.00	-0.02	0.00	0.00	10	0.00	0.00	-0.01	0.00	-0.01	0.00	0.00
	21	0.00	0.00	0.18	0.00	-0.23	0.00	0.00	6	0.00	0.00	-0.05	0.00	-0.05	0.00	0.00
	16	0.00	0.00	-0.01	0.00	-0.01	0.00	0.03	63	0.00	0.00	0.00	0.00	0.02	0.00	-0.02
	17	0.00	0.00	-0.01	0.00	-0.01	0.00	0.02	8	0.00	0.00	0.02	0.00	0.03	0.00	-0.02
	1	5.25	-0.02	-0.02	0.03	0.05	-0.05	0.00	1	0.00	0.02	0.02	-0.03	0.05	-0.05	0.00
	2	5.25	-0.02	-0.01	0.02	0.01	-0.05	0.00	2	0.00	0.02	0.01	-0.02	0.02	-0.05	0.00
	3	5.25	-0.01	0.00	0.00	0.00	-0.04	0.00	3	0.00	0.01	0.00	0.00	0.00	-0.04	0.00
	4	5.25	-0.01	0.00	0.00	-0.01	-0.04	0.00	4	0.00	0.01	0.00	0.00	-0.01	-0.04	0.00
	5	5.25	-0.02	0.01	-0.02	-0.02	-0.05	0.00	5	0.00	0.02	-0.01	0.02	-0.02	-0.04	0.00
	6	5.25	-0.01	0.02	-0.02	-0.04	-0.02	0.00	6	0.00	0.01	-0.02	0.02	-0.04	-0.02	0.00
	7	5.25	0.00	-0.04	-0.01	0.09	-0.01	-0.01	7	0.00	0.00	0.04	0.01	0.10	-0.01	0.01
	1	5.25	0.00	-0.03	0.00	0.05	0.00	0.00	189	5.25	0.00	0.03	0.00	-0.02	0.00	0.00
	2	5.25	0.00	-0.01	0.00	0.00	0.00	0.00	195	5.25	0.00	0.01	0.00	0.00	0.00	0.00
	3	5.25	0.00	-0.01	0.00	0.01	0.00	0.00	199	5.25	0.00	0.01	0.00	-0.01	0.00	0.00
	4	5.25	0.00	-0.01	0.00	0.02	0.00	0.00	205	5.25	0.00	0.01	0.00	-0.01	0.00	0.00
	5	5.25	0.00	-0.02	0.00	0.04	0.00	0.00	211	5.25	0.00	0.02	0.00	-0.02	0.00	0.00
	10	5.25	0.00	-0.01	0.00	0.00	0.00	0.00	201	5.25	0.00	0.01	0.00	0.01	0.00	0.00
	2	5.25	0.00	0.00	0.00	-0.01	0.00	0.00	16	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	3	5.25	0.00	0.00	0.00	0.00	0.00	0.00	17	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	4	5.25	0.00	0.00	0.00	0.01	0.00	0.00	18	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	5	5.25	0.00	-0.01	0.00	0.01	0.00	0.00	19	5.25	0.00	0.01	0.00	0.00	0.00	0.00
	6	5.25	0.00	-0.04	0.00	0.04	0.00	0.00	21	5.25	0.00	0.04	0.00	0.05	0.00	0.00
	16	5.25	0.00	0.00	0.00	0.00	0.00	0.00	22	5.25	0.00	0.00	0.00	-0.01	0.00	0.00
	17	5.25	0.00	0.00	0.00	0.00	0.00	0.00	23	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	18	5.25	0.00	0.00	0.00	0.00	0.00	0.00	24	5.25	0.00	0.00	0.00	0.01	0.00	0.00
	19	5.25	0.00	0.00	0.00	0.00	0.00	0.00	25	5.25	0.00	0.00	0.00	0.01	0.00	0.00
	9	5.25	0.00	0.02	0.00	-0.02	0.00	0.00	164	5.25	0.00	-0.02	0.00	-0.01	0.00	0.00
	21	5.25	0.00	-0.04	0.00	-0.06	0.00	0.00	9	5.25	0.00	0.04	0.00	0.06	0.00	0.00
	9	5.25	0.00	0.00	0.00	-0.01	0.00	0.00	8	5.25	0.00	0.00	0.00	-0.01	0.00	0.00
	8	5.25	0.00	0.01	0.00	-0.03	0.00	0.00	13	5.25	0.00	-0.01	0.00	-0.04	0.00	0.00
	1	5.25	0.00	0.06	0.00	-0.04	0.00	-0.01	7	5.25	0.00	-0.06	0.00	-0.11	0.00	0.01
	7	5.25	0.00	0.00	0.00	0.02	0.00	0.00	11	5.25	0.00	0.00	0.00	-0.01	0.00	0.00
	13	5.25	0.00	-0.05	0.00	0.04	0.00	-0.01	7	5.25	0.00	0.05	0.00	-0.01	0.00	0.01
	16	6.60	0.00	0.00	0.00	0.00	0.00	0.00	16	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	17	6.60	0.00	0.00	0.00	0.00	0.00	0.00	17	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	18	6.60	0.00	0.00	0.00	0.00	0.00	0.00	18	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	19	6.60	0.00	0.00	0.00	0.00	0.00	0.00	19	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	21	6.60	0.00	0.00	0.00	0.00	0.00	0.00	21	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	16	6.60	0.00	0.00	0.00	0.00	0.00	0.00	17	6.60	0.00	0.00	0.00	0.00	0.00	0.00
	17	6.60	0.00	0.00	0.00	0.00	0.00	0.00	18	6.60	0.00	0.00	0.00	0.00	0.00	0.00
	18	6.60	0.00	0.00	0.00	0.00	0.00	0.00	19	6.60	0.00	0.00	0.00	0.00	0.00	0.00
	19	6.60	0.00	0.00	0.00	0.00	0.00	0.00	21	6.60	0.00	0.00	0.00	0.00	0.00	0.00
	26	6.60	0.00	0.00	0.00	0.00	0.00	0.00	11	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	26	6.60	0.00	0.00	0.00	0.00	0.00	0.00	1	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	26	6.60	0.00	0.00	0.00	0.00	0.00	0.00	16	6.60	0.00	0.00	0.00	0.00	0.00	0.00
	171	0.00	0.00	0.08	0.00	0.07	0.00	0.00	7	0.00	0.00	-0.08	0.00	-0.15	0.00	0.00
	117	0.00	0.00	-0.01	0.00	0.00	0.00	-0.01	8	0.00	0.00	0.01	0.00	0.01	0.00	0.01
	164	0.00	0.00	-0.13	0.00	-0.04	0.00	-0.07	9	0.00	0.00	0.15	0.00	0.21	0.00	0.07
	95	0.00	0.00	0.02	0.00	-0.02	0.00	0.00	91	0.00	0.00	-0.02	0.00	0.01	0.00	0.00
	91	0.00	0.00	0.01	0.00	-0.02	0.00	0.00	87	0.00	0.00	-0.01	0.00	0.02	0.00	0.00
	87	0.00	0.00	0.01	0.00	-0.02	0.00	0.00	20	0.00	0.00	-0.01	0.00	0.02	0.00	0.00

CARATT. Corr. Tors. dir. 0: ASTE

Tratto	Filo In.	Alt. (m)	Tx (t)	Ty (t)	N (t)	Mx (t*m)	My (t*m)	Mt (t*m)	Filo Fin.	Alt. (m)	Tx (t)	Ty (t)	N (t)	Mx (t*m)	My (t*m)	Mt (t*m)
	42	0.00	0.00	-0.08	0.00	0.07	0.00	0.02	43	0.00	0.00	0.05	0.00	-0.02	0.00	-0.02
	43	0.00	0.00	-0.05	0.00	0.02	0.00	0.02	44	0.00	0.00	0.03	0.00	0.01	0.00	-0.02
	44	0.00	0.00	-0.03	0.00	0.00	0.00	0.03	16	0.00	0.00	0.01	0.00	0.02	0.00	-0.02
	60	0.00	0.00	0.03	0.00	-0.01	0.00	0.03	61	0.00	0.00	0.01	0.00	0.00	0.00	-0.03
	61	0.00	0.00	0.03	0.00	-0.01	0.00	0.03	62	0.00	0.00	0.01	0.00	0.00	0.00	-0.03
	62	0.00	0.00	0.02	0.00	0.00	0.00	0.03	22	0.00	0.00	0.01	0.00	0.00	0.00	-0.03
	127	0.00	0.00	0.00	0.00	0.00	0.00	0.02	24	0.00	0.00	-0.01	0.00	0.00	0.00	-0.02
	160	0.00	0.00	0.18	0.00	-0.23	0.00	0.00	156	0.00	0.00	-0.17	0.00	0.23	0.00	0.00
	156	0.00	0.00	0.15	0.00	-0.23	0.00	0.00	152	0.00	0.00	-0.15	0.00	0.22	0.00	0.00
	152	0.00	0.00	0.15	0.00	-0.22	0.00	0.00	21	0.00	0.00	-0.15	0.00	0.22	0.00	0.00
	78	0.00	0.00	0.02	0.00	0.00	0.00	0.03	79	0.00	0.00	0.01	0.00	0.00	0.00	-0.03
	79	0.00	0.00	0.02	0.00	0.00	0.00	0.03	80	0.00	0.00	0.01	0.00	0.00	0.00	-0.03
	80	0.00	0.00	0.01	0.00	0.00	0.00	0.03	23	0.00	0.00	0.00	0.00	0.00	0.00	-0.03
	121	0.00	0.00	0.00	0.00	0.00	0.00	0.03	14	0.00	0.00	0.00	0.00	0.00	0.00	-0.03
	143	0.00	0.00	-0.01	0.00	0.00	0.00	0.03	144	0.00	0.00	-0.02	0.00	0.00	0.00	-0.03
	144	0.00	0.00	-0.01	0.00	0.00	0.00	0.03	145	0.00	0.00	-0.02	0.00	0.00	0.00	-0.03
	145	0.00	0.00	-0.02	0.00	0.00	0.00	0.03	25	0.00	0.00	-0.03	0.00	0.00	0.00	-0.03
	170	0.00	0.00	-0.02	0.00	0.00	0.00	0.03	168	0.00	0.00	-0.04	0.00	-0.01	0.00	-0.04
	168	0.00	0.00	-0.02	0.00	0.00	0.00	0.03	166	0.00	0.00	-0.04	0.00	-0.01	0.00	-0.04
	166	0.00	0.00	-0.04	0.00	0.01	0.00	0.03	15	0.00	0.00	-0.03	0.00	-0.01	0.00	-0.03
	128	0.00	0.00	0.00	0.00	0.01	0.00	0.02	129	0.00	0.00	0.00	0.00	-0.01	0.00	-0.02
	129	0.00	0.00	0.00	0.00	0.01	0.00	0.02	130	0.00	0.00	0.00	0.00	-0.01	0.00	-0.02
	130	0.00	0.00	0.01	0.00	0.02	0.00	0.01	19	0.00	0.00	-0.01	0.00	-0.02	0.00	-0.02
	63	0.00	0.00	0.00	0.00	-0.01	0.00	0.02	64	0.00	0.00	0.00	0.00	0.01	0.00	-0.02
	64	0.00	0.00	0.00	0.00	-0.01	0.00	0.02	65	0.00	0.00	0.00	0.00	0.01	0.00	-0.02
	65	0.00	0.00	0.00	0.00	-0.01	0.00	0.02	17	0.00	0.00	0.01	0.00	0.01	0.00	-0.02
	189	5.25	0.00	-0.02	0.00	0.02	0.00	0.00	190	5.25	0.00	0.02	0.00	0.00	0.00	0.00
	190	5.25	0.00	-0.02	0.00	0.00	0.00	0.00	191	5.25	0.00	0.02	0.00	0.02	0.00	0.00
	191	5.25	0.00	-0.03	0.00	-0.02	0.00	0.00	2	5.25	0.00	0.03	0.00	0.04	0.00	0.00
	195	5.25	0.00	0.00	0.00	0.00	0.00	0.00	196	5.25	0.00	0.00	0.00	0.01	0.00	0.00
	196	5.25	0.00	-0.01	0.00	-0.01	0.00	0.00	197	5.25	0.00	0.01	0.00	0.01	0.00	0.00
	197	5.25	0.00	-0.01	0.00	-0.01	0.00	0.00	3	5.25	0.00	0.01	0.00	0.02	0.00	0.00
	199	5.25	0.00	-0.01	0.00	0.01	0.00	0.00	10	5.25	0.00	0.01	0.00	0.00	0.00	0.00
	205	5.25	0.00	-0.01	0.00	0.01	0.00	0.00	206	5.25	0.00	0.01	0.00	-0.01	0.00	0.00
	206	5.25	0.00	0.00	0.00	0.01	0.00	0.00	207	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	207	5.25	0.00	-0.01	0.00	0.00	0.00	0.00	5	5.25	0.00	0.01	0.00	0.00	0.00	0.00
	211	5.25	0.00	-0.02	0.00	0.02	0.00	0.00	212	5.25	0.00	0.02	0.00	-0.01	0.00	0.00
	212	5.25	0.00	-0.01	0.00	0.01	0.00	0.00	213	5.25	0.00	0.01	0.00	0.01	0.00	0.00
	213	5.25	0.00	-0.02	0.00	-0.01	0.00	0.00	6	5.25	0.00	0.02	0.00	0.02	0.00	0.00
	201	5.25	0.00	-0.01	0.00	-0.01	0.00	0.00	4	5.25	0.00	0.01	0.00	0.02	0.00	0.00
	164	5.25	0.00	0.01	0.00	0.00	0.00	0.00	15	5.25	0.00	-0.01	0.00	0.00	0.00	0.00

CARATT. Corr. Tors. dir. 90: ASTE

Tratto	Filo In.	Alt. (m)	Tx (t)	Ty (t)	N (t)	Mx (t*m)	My (t*m)	Mt (t*m)	Filo Fin.	Alt. (m)	Tx (t)	Ty (t)	N (t)	Mx (t*m)	My (t*m)	Mt (t*m)
	1	0.00	0.00	-0.26	0.00	0.18	0.00	-0.01	2	0.00	0.00	-0.02	0.00	0.11	0.00	0.02
	7	0.00	0.00	0.70	0.00	-0.11	0.00	0.00	13	0.00	0.00	-0.76	0.00	-0.36	0.00	0.01
	11	0.00	0.00	-0.08	0.00	0.11	0.00	0.06	12	0.00	0.00	0.27	0.00	0.06	0.00	-0.05
	11	0.00	0.00	0.34	0.00	-0.05	0.00	-0.01	171	0.00	0.00	-0.17	0.00	-0.20	0.00	0.01
	14	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	117	0.00	0.00	0.01	0.00	0.00	0.00	0.00
	15	0.00	0.00	-0.25	0.00	0.11	0.00	-0.08	164	0.00	0.00	0.14	0.00	0.11	0.00	0.08
	7	0.00	0.00	-0.45	0.00	0.60	0.00	-0.13	1	0.00	0.00	0.17	0.00	0.07	0.00	0.13
	2	0.00	0.00	-0.04	0.00	0.01	0.00	0.02	3	0.00	0.00	0.03	0.00	0.07	0.00	-0.02
	3	0.00	0.00	-0.02	0.00	0.03	0.00	0.03	10	0.00	0.00	0.03	0.00	0.01	0.00	-0.02
	4	0.00	0.00	-0.02	0.00	0.06	0.00	0.02	5	0.00	0.00	0.03	0.00	0.00	0.00	-0.02
	5	0.00	0.00	0.02	0.00	0.12	0.00	-0.05	6	0.00	0.00	0.20	0.00	0.07	0.00	0.04

CARATT. Corr. Tors. dir. 90: ASTE

Tratto	Filo In.	Alt. (m)	Tx (t)	Ty (t)	N (t)	Mx (t*m)	My (t*m)	Mt (t*m)	Filo Fin.	Alt. (m)	Tx (t)	Ty (t)	N (t)	Mx (t*m)	My (t*m)	Mt (t*m)
	10	0.00	0.00	-0.01	0.00	-0.01	0.00	0.04	4	0.00	0.00	0.02	0.00	0.04	0.00	-0.04
	8	0.00	0.00	0.02	0.00	0.00	0.00	0.05	18	0.00	0.00	0.01	0.00	-0.01	0.00	-0.05
	8	0.00	0.00	0.10	0.00	-0.04	0.00	0.00	95	0.00	0.00	-0.10	0.00	0.03	0.00	0.00
	13	0.00	0.00	-0.32	0.00	0.38	0.00	0.05	42	0.00	0.00	0.23	0.00	-0.16	0.00	-0.05
	12	0.00	0.00	0.09	0.00	-0.03	0.00	0.09	60	0.00	0.00	0.05	0.00	0.01	0.00	-0.08
	14	0.00	0.00	0.00	0.00	0.00	0.00	0.06	127	0.00	0.00	-0.02	0.00	-0.01	0.00	-0.06
	9	0.00	0.00	0.55	0.00	-0.63	0.00	0.00	160	0.00	0.00	-0.55	0.00	0.61	0.00	0.00
	22	0.00	0.00	0.06	0.00	-0.01	0.00	0.09	78	0.00	0.00	0.03	0.00	0.00	0.00	-0.08
	23	0.00	0.00	0.02	0.00	-0.01	0.00	0.08	121	0.00	0.00	0.00	0.00	0.00	0.00	-0.08
	24	0.00	0.00	-0.02	0.00	0.00	0.00	0.07	143	0.00	0.00	-0.04	0.00	-0.01	0.00	-0.07
	25	0.00	0.00	-0.06	0.00	0.01	0.00	0.09	170	0.00	0.00	-0.07	0.00	-0.01	0.00	-0.10
	18	0.00	0.00	0.00	0.00	0.01	0.00	0.05	128	0.00	0.00	0.00	0.00	-0.01	0.00	-0.05
	19	0.00	0.00	0.05	0.00	0.08	0.00	0.03	9	0.00	0.00	0.18	0.00	0.00	0.00	-0.06
	20	0.00	0.00	0.04	0.00	-0.05	0.00	0.00	10	0.00	0.00	-0.02	0.00	-0.02	0.00	0.00
	21	0.00	0.00	0.48	0.00	-0.62	0.00	0.01	6	0.00	0.00	-0.14	0.00	-0.14	0.00	0.00
	16	0.00	0.00	-0.03	0.00	-0.03	0.00	0.07	63	0.00	0.00	0.01	0.00	0.05	0.00	-0.06
	17	0.00	0.00	-0.03	0.00	-0.03	0.00	0.06	8	0.00	0.00	0.06	0.00	0.10	0.00	-0.06
	1	5.25	-0.05	-0.05	0.10	0.12	-0.13	-0.01	1	0.00	0.05	0.05	-0.10	0.13	-0.15	0.01
	2	5.25	-0.05	-0.02	0.06	0.04	-0.13	-0.01	2	0.00	0.05	0.02	-0.06	0.04	-0.13	0.01
	3	5.25	-0.04	0.00	-0.01	0.01	-0.11	-0.01	3	0.00	0.04	0.00	0.01	0.01	-0.11	0.01
	4	5.25	-0.04	0.01	0.00	-0.02	-0.10	-0.01	4	0.00	0.04	-0.01	0.00	-0.03	-0.10	0.01
	5	5.25	-0.05	0.02	-0.05	-0.06	-0.12	-0.01	5	0.00	0.05	-0.02	0.05	-0.07	-0.12	0.01
	6	5.25	-0.02	0.04	-0.06	-0.11	-0.06	0.00	6	0.00	0.02	-0.04	0.06	-0.12	-0.06	0.00
	7	5.25	-0.01	-0.10	-0.04	0.26	-0.01	-0.02	7	0.00	0.01	0.10	0.04	0.27	-0.04	0.02
	1	5.25	0.00	-0.08	0.00	0.13	0.00	0.00	189	5.25	0.00	0.08	0.00	-0.06	0.00	0.00
	2	5.25	0.00	-0.02	0.00	0.00	0.00	0.01	195	5.25	0.00	0.02	0.00	0.01	0.00	-0.01
	3	5.25	0.00	-0.03	0.00	0.04	0.00	0.01	199	5.25	0.00	0.03	0.00	-0.02	0.00	-0.01
	4	5.25	0.00	-0.02	0.00	0.05	0.00	0.01	205	5.25	0.00	0.02	0.00	-0.03	0.00	-0.01
	5	5.25	0.00	-0.06	0.00	0.10	0.00	-0.01	211	5.25	0.00	0.06	0.00	-0.05	0.00	0.01
	10	5.25	0.00	-0.02	0.00	0.00	0.00	0.01	201	5.25	0.00	0.02	0.00	0.02	0.00	-0.01
	2	5.25	0.00	0.01	0.00	-0.02	0.00	0.00	16	5.25	0.00	-0.01	0.00	-0.01	0.00	0.00
	3	5.25	0.00	0.00	0.00	0.00	0.00	0.00	17	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	4	5.25	0.00	-0.01	0.00	0.02	0.00	0.00	18	5.25	0.00	0.01	0.00	0.00	0.00	0.00
	5	5.25	0.00	-0.01	0.00	0.03	0.00	0.00	19	5.25	0.00	0.01	0.00	0.00	0.00	0.00
	6	5.25	0.00	-0.10	0.00	0.10	0.00	0.00	21	5.25	0.00	0.10	0.00	0.13	0.00	0.00
	16	5.25	0.00	0.01	0.00	0.00	0.00	0.00	22	5.25	0.00	-0.01	0.00	-0.02	0.00	0.00
	17	5.25	0.00	0.00	0.00	0.00	0.00	0.00	23	5.25	0.00	0.00	0.00	-0.01	0.00	0.00
	18	5.25	0.00	-0.01	0.00	0.00	0.00	0.00	24	5.25	0.00	0.01	0.00	0.02	0.00	0.00
	19	5.25	0.00	-0.01	0.00	-0.01	0.00	0.00	25	5.25	0.00	0.01	0.00	0.03	0.00	0.00
	9	5.25	0.00	0.07	0.00	-0.06	0.00	-0.01	164	5.25	0.00	-0.07	0.00	-0.03	0.00	0.01
	21	5.25	0.00	-0.11	0.00	-0.17	0.00	0.00	9	5.25	0.00	0.11	0.00	0.17	0.00	0.00
	9	5.25	0.00	0.01	0.00	-0.03	0.00	0.01	8	5.25	0.00	-0.01	0.00	-0.02	0.00	-0.01
	8	5.25	0.00	0.02	0.00	-0.07	0.00	0.01	13	5.25	0.00	-0.02	0.00	-0.12	0.00	-0.01
	1	5.25	0.00	0.17	0.00	-0.10	0.00	-0.01	7	5.25	0.00	-0.17	0.00	-0.29	0.00	0.01
	7	5.25	0.00	-0.01	0.00	0.06	0.00	0.01	11	5.25	0.00	0.01	0.00	-0.03	0.00	-0.01
	13	5.25	0.00	-0.14	0.00	0.11	0.00	-0.02	7	5.25	0.00	0.14	0.00	-0.02	0.00	0.02
	16	6.60	0.00	-0.01	0.00	0.00	0.00	0.00	16	5.25	0.00	0.01	0.00	0.01	0.00	0.00
	17	6.60	0.00	0.00	0.00	0.00	0.00	0.00	17	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	18	6.60	0.00	0.00	0.00	0.00	0.00	0.00	18	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	19	6.60	0.00	0.00	0.00	0.00	0.00	0.00	19	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	21	6.60	-0.01	0.00	0.00	0.00	-0.01	0.00	21	5.25	0.01	0.00	0.00	0.00	0.00	0.00
	16	6.60	0.00	0.00	0.00	0.00	0.00	0.00	17	6.60	0.00	0.00	0.00	0.00	0.00	0.00
	17	6.60	0.00	0.00	0.00	0.00	0.00	0.00	18	6.60	0.00	0.00	0.00	0.00	0.00	0.00
	18	6.60	0.00	0.00	0.01	0.00	0.00	0.00	19	6.60	0.00	0.00	-0.01	0.00	0.00	0.00
	19	6.60	0.00	0.00	0.01	0.01	0.00	0.00	21	6.60	0.00	0.00	-0.01	0.01	0.00	0.00
	26	6.60	0.00	0.00	0.01	0.00	0.00	0.00	11	5.25	0.00	0.00	-0.01	0.00	0.00	0.00

CARATT. Corr. Tors. dir. 90: ASTE																
Tratto	Filo In.	Alt. (m)	Tx (t)	Ty (t)	N (t)	Mx (t*m)	My (t*m)	Mt (t*m)	Filo Fin.	Alt. (m)	Tx (t)	Ty (t)	N (t)	Mx (t*m)	My (t*m)	Mt (t*m)
	26	6.60	0.00	0.00	0.00	0.00	0.00	0.00	1	5.25	0.00	0.00	0.00	0.00	0.00	0.00
	26	6.60	-0.01	0.00	0.00	0.00	0.00	0.00	16	6.60	0.01	0.00	0.00	0.00	0.00	0.00
	171	0.00	0.00	0.22	0.00	0.18	0.00	0.01	7	0.00	0.00	-0.23	0.00	-0.41	0.00	-0.01
	117	0.00	0.00	-0.02	0.00	0.00	0.00	-0.02	8	0.00	0.00	0.03	0.00	0.04	0.00	0.02
	164	0.00	0.00	-0.36	0.00	-0.11	0.00	-0.18	9	0.00	0.00	0.43	0.00	0.57	0.00	0.18
	95	0.00	0.00	0.06	0.00	-0.04	0.00	0.00	91	0.00	0.00	-0.06	0.00	0.04	0.00	0.00
	91	0.00	0.00	0.04	0.00	-0.04	0.00	0.00	87	0.00	0.00	-0.03	0.00	0.04	0.00	0.00
	87	0.00	0.00	0.02	0.00	-0.04	0.00	0.00	20	0.00	0.00	-0.02	0.00	0.04	0.00	0.00
	42	0.00	0.00	-0.21	0.00	0.18	0.00	0.06	43	0.00	0.00	0.14	0.00	-0.04	0.00	-0.05
	43	0.00	0.00	-0.13	0.00	0.06	0.00	0.07	44	0.00	0.00	0.07	0.00	0.02	0.00	-0.06
	44	0.00	0.00	-0.07	0.00	0.00	0.00	0.07	16	0.00	0.00	0.03	0.00	0.04	0.00	-0.06
	60	0.00	0.00	0.09	0.00	-0.02	0.00	0.09	61	0.00	0.00	0.04	0.00	0.00	0.00	-0.08
	61	0.00	0.00	0.07	0.00	-0.01	0.00	0.09	62	0.00	0.00	0.04	0.00	0.00	0.00	-0.08
	62	0.00	0.00	0.06	0.00	-0.01	0.00	0.09	22	0.00	0.00	0.03	0.00	0.00	0.00	-0.08
	127	0.00	0.00	-0.01	0.00	0.00	0.00	0.06	24	0.00	0.00	-0.03	0.00	-0.01	0.00	-0.07
	160	0.00	0.00	0.49	0.00	-0.64	0.00	0.00	156	0.00	0.00	-0.48	0.00	0.62	0.00	0.00
	156	0.00	0.00	0.42	0.00	-0.64	0.00	0.01	152	0.00	0.00	-0.42	0.00	0.61	0.00	-0.01
	152	0.00	0.00	0.40	0.00	-0.61	0.00	0.00	21	0.00	0.00	-0.40	0.00	0.60	0.00	0.00
	78	0.00	0.00	0.05	0.00	-0.01	0.00	0.08	79	0.00	0.00	0.02	0.00	0.00	0.00	-0.08
	79	0.00	0.00	0.04	0.00	-0.01	0.00	0.08	80	0.00	0.00	0.01	0.00	0.00	0.00	-0.08
	80	0.00	0.00	0.03	0.00	-0.01	0.00	0.08	23	0.00	0.00	0.01	0.00	0.00	0.00	-0.08
	121	0.00	0.00	0.01	0.00	0.00	0.00	0.07	14	0.00	0.00	-0.01	0.00	0.00	0.00	-0.07
	143	0.00	0.00	-0.03	0.00	0.00	0.00	0.07	144	0.00	0.00	-0.05	0.00	-0.01	0.00	-0.08
	144	0.00	0.00	-0.03	0.00	0.00	0.00	0.08	145	0.00	0.00	-0.06	0.00	-0.01	0.00	-0.08
	145	0.00	0.00	-0.04	0.00	0.00	0.00	0.08	25	0.00	0.00	-0.07	0.00	-0.01	0.00	-0.09
	170	0.00	0.00	-0.05	0.00	0.00	0.00	0.09	168	0.00	0.00	-0.11	0.00	-0.03	0.00	-0.10
	168	0.00	0.00	-0.05	0.00	0.01	0.00	0.09	166	0.00	0.00	-0.12	0.00	-0.04	0.00	-0.11
	166	0.00	0.00	-0.10	0.00	0.03	0.00	0.08	15	0.00	0.00	-0.09	0.00	-0.03	0.00	-0.09
	128	0.00	0.00	0.00	0.00	0.02	0.00	0.04	129	0.00	0.00	0.00	0.00	-0.02	0.00	-0.05
	129	0.00	0.00	0.01	0.00	0.03	0.00	0.04	130	0.00	0.00	-0.01	0.00	-0.04	0.00	-0.05
	130	0.00	0.00	0.02	0.00	0.05	0.00	0.04	19	0.00	0.00	-0.02	0.00	-0.06	0.00	-0.04
	63	0.00	0.00	-0.01	0.00	-0.04	0.00	0.07	64	0.00	0.00	0.00	0.00	0.04	0.00	-0.06
	64	0.00	0.00	0.00	0.00	-0.03	0.00	0.07	65	0.00	0.00	0.00	0.00	0.03	0.00	-0.06
	65	0.00	0.00	-0.01	0.00	-0.02	0.00	0.06	17	0.00	0.00	0.02	0.00	0.04	0.00	-0.06
	189	5.25	0.00	-0.06	0.00	0.06	0.00	0.00	190	5.25	0.00	0.06	0.00	-0.01	0.00	0.00
	190	5.25	0.00	-0.06	0.00	0.01	0.00	0.00	191	5.25	0.00	0.06	0.00	0.05	0.00	0.00
	191	5.25	0.00	-0.07	0.00	-0.04	0.00	0.00	2	5.25	0.00	0.07	0.00	0.11	0.00	0.00
	195	5.25	0.00	-0.01	0.00	-0.01	0.00	0.01	196	5.25	0.00	0.01	0.00	0.02	0.00	-0.01
	196	5.25	0.00	-0.02	0.00	-0.02	0.00	0.01	197	5.25	0.00	0.02	0.00	0.04	0.00	-0.01
	197	5.25	0.00	-0.02	0.00	-0.03	0.00	0.01	3	5.25	0.00	0.02	0.00	0.05	0.00	-0.01
	199	5.25	0.00	-0.02	0.00	0.02	0.00	0.01	10	5.25	0.00	0.02	0.00	0.00	0.00	-0.01
	205	5.25	0.00	-0.01	0.00	0.03	0.00	0.01	206	5.25	0.00	0.01	0.00	-0.02	0.00	-0.01
	206	5.25	0.00	-0.01	0.00	0.02	0.00	0.01	207	5.25	0.00	0.01	0.00	0.00	0.00	-0.01
	207	5.25	0.00	-0.02	0.00	0.01	0.00	0.01	5	5.25	0.00	0.02	0.00	0.01	0.00	-0.01
	211	5.25	0.00	-0.04	0.00	0.06	0.00	-0.01	212	5.25	0.00	0.04	0.00	-0.02	0.00	0.01
	212	5.25	0.00	-0.04	0.00	0.02	0.00	-0.01	213	5.25	0.00	0.04	0.00	0.02	0.00	0.01
	213	5.25	0.00	-0.05	0.00	-0.01	0.00	-0.01	6	5.25	0.00	0.05	0.00	0.06	0.00	0.01
	201	5.25	0.00	-0.03	0.00	-0.02	0.00	0.01	4	5.25	0.00	0.03	0.00	0.04	0.00	-0.01
	164	5.25	0.00	0.02	0.00	-0.01	0.00	0.00	15	5.25	0.00	-0.02	0.00	-0.01	0.00	0.00

SPOSTAMENTI SISMICI RELATIVI

I D E N T I F I C A T I V O					INVILUPPO S.L.D.				INVILUPPO S.L.O.				
Filo N.ro	Quota inf. (m)	Quota sup. (m)	Nodo inf. N.ro	Nodo sup. N.ro	Sisma Nro	Combin Nro	Spostam. Calcolo (mm)	Spostam. Limite (mm)	Sisma Nro	Combin Nro	Spostam. Calcolo (mm)	Spostam. Limite (mm)	Stringa di Controllo Verifica
1	0.00	5.25	1	26	2	21	3.091	26.250					VERIFICATO
2	0.00	5.25	2	27	2	21	3.062	26.250					VERIFICATO
3	0.00	5.25	11	28	2	18	3.075	26.250					VERIFICATO
4	0.00	5.25	13	29	2	18	3.179	26.250					VERIFICATO
5	0.00	5.25	14	30	2	27	3.610	26.250					VERIFICATO
6	0.00	5.25	15	31	2	27	4.135	26.250					VERIFICATO
7	0.00	5.25	3	32	2	21	3.018	26.250					VERIFICATO
8	0.00	5.25	8	36	2	18	3.011	26.250					VERIFICATO
9	0.00	5.25	10	39	2	27	4.100	26.250					VERIFICATO
10	0.00	5.25	12	44	2	18	3.121	26.250					VERIFICATO
11	0.00	5.25	5	33	2	21	2.986	26.250					VERIFICATO
12	0.00	5.25	6	34	2	21	2.977	26.250					VERIFICATO
13	0.00	5.25	4	37	2	21	3.011	26.250					VERIFICATO
14	0.00	5.25	7	35	2	18	2.961	26.250					VERIFICATO
15	0.00	5.25	9	38	2	27	4.083	26.250					VERIFICATO
16	0.00	5.25	18	45	2	21	2.992	26.250					VERIFICATO
17	0.00	5.25	25	46	2	21	2.978	26.250					VERIFICATO
18	0.00	5.25	16	47	2	18	3.078	26.250					VERIFICATO
19	0.00	5.25	24	48	2	27	3.568	26.250					VERIFICATO
21	0.00	5.25	21	49	2	27	4.092	26.250					VERIFICATO
22	0.00	5.25	19	40	2	21	2.954	26.250					VERIFICATO
23	0.00	5.25	22	42	2	21	2.940	26.250					VERIFICATO
24	0.00	5.25	20	41	2	18	3.022	26.250					VERIFICATO
25	0.00	5.25	23	43	2	27	3.545	26.250					VERIFICATO
50	0.00	5.25	79	230	2	21	2.987	26.250					VERIFICATO
60	0.00	5.25	89	260	2	21	2.970	26.250					VERIFICATO
61	0.00	5.25	90	261	2	21	2.964	26.250					VERIFICATO
62	0.00	5.25	91	262	2	21	2.958	26.250					VERIFICATO
78	0.00	5.25	107	288	2	21	2.949	26.250					VERIFICATO
79	0.00	5.25	108	289	2	21	2.945	26.250					VERIFICATO
80	0.00	5.25	109	290	2	21	2.942	26.250					VERIFICATO
117	0.00	5.25	146	221	2	18	2.981	26.250					VERIFICATO
121	0.00	5.25	150	295	2	21	2.939	26.250					VERIFICATO
127	0.00	5.25	156	271	2	18	2.990	26.250					VERIFICATO
143	0.00	5.25	172	312	2	27	3.146	26.250					VERIFICATO
144	0.00	5.25	173	313	2	27	3.278	26.250					VERIFICATO
145	0.00	5.25	174	314	2	27	3.411	26.250					VERIFICATO
164	0.00	5.25	193	243	2	27	4.090	26.250					VERIFICATO
166	0.00	5.25	195	329	2	27	3.948	26.250					VERIFICATO
168	0.00	5.25	197	328	2	27	3.813	26.250					VERIFICATO
170	0.00	5.25	199	327	2	27	3.679	26.250					VERIFICATO

STAMPA PROGETTO S.L.U. - AZIONI S.L.V. - FONDAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE									VERIFICA A TAGLIO E TORSIONE													
					Co Nr	GamRd	M Exd (t*m)	N Ed (t)	x/d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	Co Nr	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	staffe Pas	staffe Lun	staffe Fi
1	0.00		25	1	21	1.00	-2.5	0.0	17	5	1	6.0	6.0	33	0.0	-5.9	0.0	41.2	49.4	17.0	0.0	7	12	0.0	16	45	8
2	0.00		80	3	33	1.00	-3.4	0.0	17	6	2	6.0	6.0	1	0.0	6.2	0.0	41.2	49.4	17.0	0.0	8	12	0.0	16	252	8
2.5			50	5	21	1.00	4.2	0.0	18	8	2	4.0	6.0	1	0.0	8.0	0.0	41.2	49.4	17.0	0.0	10	16	0.0	16	45	8
7	0.00		26	1	33	1.00	-4.5	0.0	17	7	2	7.5	7.5	33	0.0	17.6	-0.8	64.3	60.8	26.9	2.5	22	32	5.8	13	32	8
13	0.00		100	3	33	1.00	7.0	0.0	18	11	3	7.5	7.5	0	0.0	0.0	0.0	64.3	60.8	26.9	0.0	0	0	0.0	13	0	8
2.5			50	5	33	1.00	7.0	0.0	18	11	3	7.5	7.5	33	0.0	19.6	-0.8	64.3	60.8	26.9	2.6	25	35	6.0	13	32	8
11	0.00		26	1	28	1.00	-5.1	0.0	18	8	2	7.5	4.0	20	0.0	3.0	0.0	64.3	60.8	26.9	0.0	3	5	0.0	13	0	8
12	0.00		100	3	28	1.00	-5.1	0.0	18	8	2	7.5	4.0	1	0.0	14.6	0.0	64.3	60.8	26.9	0.0	15	24	0.0	13	100	8
2.5			50	5	28	1.00	2.9	0.0	18	4	1	4.0	7.5	0	0.0	0.0	0.0	64.3	60.8	26.9	0.0	0	0	0.0	13	0	8
11	0.00	1	28	1	28	1.00	2.0	0.0	18	2	1	5.3	10.5	1	0.0	-13.6	0.0	84.8	84.7	36.1	0.0	10	16	0.0	14	45	8
7	0.00	/	140	3	21	1.00	-5.4	0.0	18	6	1	10.5	4.0	20	0.0	-7.2	0.0	84.8	84.7	36.1	0.0	5	9	0.0	14	62	8
2.5		2	50	5	21	1.00	-5.4	0.0	17	6	1	10.5	10.5	0	0.0	0.0	0.0	84.8	84.7	36.1	0.0	0	0	0.0	14	0	8
14	0.00	1	27	1	18	1.00	1.7	0.0	18	5	1	4.0	4.0	1	0.0	-4.0	0.0	30.4	30.4	11.9	0.0	8	13	0.0	13	0	8

STAMPA PROGETTO S.L.U. - AZIONI S.L.V. - FONDAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE									VERIFICA A TAGLIO E TORSIONE												
					Co Nr	GamRd	M Exd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq sup	inf	Co Nr	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	staffe Pas	Lun	Fi
8	0.00	/	50	3	18	1.00	1.7	0.0	18	5	1	4.0	4.0	18	0.0	-3.7	0.0	30.4	30.4	11.9	0.0	8	12	0.0	13	122	8
2.5		2	50	5	30	1.00	1.4	0.0	18	4	1	4.0	4.0	0	0.0	0.0	0.0	30.4	30.4	11.9	0.0	0	0	0.0	13	0	8
15	0.00	1	25	1	18	1.00	3.1	0.0	17	6	1	6.0	6.0	1	0.0	-6.8	-1.3	41.2	49.4	17.0	2.3	18	22	5.8	16	0	8
9	0.00	/	80	3	18	1.00	3.1	0.0	18	6	1	4.0	6.0	23	0.0	4.6	-2.3	41.2	49.4	17.0	2.3	23	23	5.8	16	122	8
2.5		2	50	5	30	1.00	2.8	0.0	17	5	1	6.0	6.0	0	0.0	0.0	0.0	41.2	49.4	17.0	0.0	0	0	0.0	16	0	8
7	0.00		25	1	21	1.00	-9.8	0.0	19	16	4	7.0	6.0	33	0.0	-10.3	2.3	41.2	49.4	17.0	2.3	30	34	5.8	16	45	8
1	0.00		80	3	21	1.00	-8.3	0.0	18	16	4	6.0	6.0	33	0.0	-7.8	2.3	41.2	49.4	17.0	2.3	27	29	5.9	16	120	8
2.5			50	5	7	1.00	-1.8	0.0	17	3	1	6.0	6.0	21	0.0	5.0	-1.9	41.2	49.4	17.0	2.4	20	21	5.9	16	45	8
2	0.00		25	1	18	1.00	3.8	0.0	18	7	2	4.0	6.0	1	0.0	-7.3	0.0	41.2	49.4	17.0	0.0	9	15	0.0	16	45	8
3	0.00		80	3	21	1.00	1.3	0.0	17	3	1	6.0	6.0	1	0.0	-5.3	0.0	41.2	49.4	17.0	0.0	7	11	0.0	16	252	8
2.5			50	5	23	1.00	2.6	0.0	18	5	1	4.0	6.0	1	0.0	5.9	0.0	41.2	49.4	17.0	0.0	7	12	0.0	16	45	8
3	0.00		25	1	18	1.00	2.4	0.0	18	5	1	4.0	6.0	1	0.0	-7.8	0.0	41.2	49.4	17.0	0.0	10	16	0.0	16	45	8
10	0.00		80	3	18	1.00	-3.7	0.0	17	7	2	6.0	6.0	1	0.0	-6.2	0.0	41.2	49.4	17.0	0.0	8	12	0.0	16	69	8
2.5			50	5	18	1.00	-4.1	0.0	18	8	2	6.0	4.0	1	0.0	-3.9	0.0	41.2	49.4	17.0	0.0	5	8	0.0	16	45	8
4	0.00		25	1	18	1.00	3.0	0.0	18	6	1	4.0	6.0	1	0.0	-6.1	0.0	41.2	49.4	17.0	0.0	8	12	0.0	16	45	8
5	0.00		80	3	27	1.00	1.5	0.0	17	3	1	6.0	6.0	1	0.0	5.0	0.0	41.2	49.4	17.0	0.0	6	10	0.0	16	252	8
2.5			50	5	28	1.00	3.6	0.0	18	7	2	4.0	6.0	1	0.0	6.8	0.0	41.2	49.4	17.0	0.0	9	14	0.0	16	45	8
5	0.00		25	1	27	1.00	5.0	0.0	18	9	2	4.0	6.0	1	0.0	-7.5	0.0	41.2	49.4	17.0	0.0	9	15	0.0	16	45	8
6	0.00		80	3	23	1.00	-3.8	0.0	17	7	2	6.0	6.0	1	0.0	-5.8	0.0	41.2	49.4	17.0	0.0	7	12	0.0	16	252	8
2.5			50	5	7	1.00	-3.0	0.0	18	6	1	6.0	4.0	23	0.0	4.5	0.0	41.2	49.4	17.0	0.0	6	9	0.0	16	45	8
10	0.00		25	1	27	1.00	-4.1	0.0	18	8	2	6.0	4.0	1	0.0	3.0	0.0	41.2	49.4	17.0	0.0	4	6	0.0	16	45	8
4	0.00		80	3	27	1.00	-3.5	0.0	17	7	2	6.0	6.0	1	0.0	6.1	0.0	41.2	49.4	17.0	0.0	8	12	0.0	16	94	8
2.5			50	5	30	1.00	2.5	0.0	18	5	1	4.0	6.0	1	0.0	7.8	0.0	41.2	49.4	17.0	0.0	10	16	0.0	16	45	8
8	0.00		26	1	24	1.00	9.6	0.0	18	15	4	7.5	7.5	22	0.0	-11.0	0.0	64.3	60.8	26.9	0.0	11	18	0.0	13	45	8
18	0.00		100	3	24	1.00	6.6	0.0	18	10	2	7.5	7.5	22	0.0	-8.1	0.0	64.3	60.8	26.9	0.0	8	13	0.0	13	111	8
2.5			50	5	18	1.00	0.8	0.0	18	1	0	4.0	7.5	1	0.0	3.7	0.0	64.3	60.8	26.9	0.0	4	6	0.0	13	45	8
8	0.00	1	27	1	18	1.00	-7.7	0.0	20	18	5	5.0	4.0	18	0.0	27.4	0.0	30.4	30.4	11.9	0.0	56	90	0.0	13	5	8
20	0.00	/	50	3	18	1.00	-7.7	0.0	20	18	5	5.0	4.0	0	0.0	0.0	0.0	30.4	30.4	11.9	0.0	0	0	0.0	13	0	8
2.5		4	50	5	18	1.00	-7.7	0.0	20	18	5	5.0	4.0	0	0.0	0.0	0.0	30.4	30.4	11.9	0.0	0	0	0.0	13	0	8
13	0.00	1	26	1	33	1.00	7.1	0.0	18	11	3	7.5	7.5	33	0.0	-8.5	0.0	64.3	60.8	26.9	0.0	9	14	0.0	13	45	8
16	0.00	/	100	3	33	1.00	7.1	0.0	18	11	3	7.5	7.5	33	0.0	-5.6	0.0	64.3	60.8	26.9	0.0	6	9	0.0	13	35	8
2.5		4	50	5	33	1.00	4.9	0.0	17	7	2	7.5	7.5	0	0.0	0.0	0.0	64.3	60.8	26.9	0.0	0	0	0.0	13	0	8
12	0.00	1	26	1	21	1.00	1.2	0.0	18	2	0	4.0	7.5	1	0.0	-5.1	0.0	64.3	60.8	26.9	0.0	5	8	0.0	13	0	8
22	0.00	/	100	3	21	1.00	1.2	0.0	17	2	0	7.5	7.5	1	0.0	-4.6	0.0	64.3	60.8	26.9	0.0	5	8	0.0	13	80	8
2.5		4	50	5	21	1.00	0.8	0.0	18	1	0	4.0	7.5	0	0.0	0.0	0.0	64.3	60.8	26.9	0.0	0	0	0.0	13	0	8
14	0.00	1	26	1	21	1.00	0.9	0.0	18	1	0	4.0	7.5	1	0.0	-6.6	0.0	64.3	60.8	26.9	0.0	7	11	0.0	13	0	8
24	0.00	/	100	3	18	1.00	-0.4	0.0	18	1	0	7.5	4.0	1	0.0	-6.0	0.0	64.3	60.8	26.9	0.0	6	10	0.0	13	100	8
2.5		2	50	5	27	1.00	0.8	0.0	18	1	0	4.0	7.5	0	0.0	0.0	0.0	64.3	60.8	26.9	0.0	0	0	0.0	13	0	8
9	0.00	1	25	1	23	1.00	12.3	0.0	20	17	5	8.0	8.3	27	0.0	23.6	0.0	41.2	49.4	17.0	0.0	30	48	0.0	16	5	8
21	0.00	/	80	3	23	1.00	12.3	0.0	20	17	5	8.0	8.3	0	0.0	0.0	0.0	41.2	49.4	17.0	0.0	0	0	0.0	16	0	8
2.5		4	50	5	23	1.00	12.3	0.0	20	17	5	8.0	8.3	0	0.0	0.0	0.0	41.2	49.4	17.0	0.0	0	0	0.0	16	0	8
22	0.00	1	26	1	28	1.00	0.7	0.0	18	1	0	4.0	7.5	1	0.0	-5.7	0.0	64.3	60.8	26.9	0.0	6	9	0.0	13	0	8
23	0.00	/	100	3	28	1.00	-0.4	0.0	18	1	0	7.5	4.0	1	0.0	5.8	0.0	64.3	60.8	26.9	0.0	6	10	0.0	13	94	8
2.5		4	50	5	27	1.00	0.7	0.0	18	1	0	4.0	7.5	0	0.0	0.0	0.0	64.3	60.8	26.9	0.0	0	0	0.0	13	0	8
23	0.00	1	26	1	21	1.00	1.0	0.0	18	1	0	4.0	7.5	1	0.0	-6.4	0.0	64.3	60.8	26.9	0.0	7	11	0.0	13	0	8
14	0.00	/	100	3	28	1.00	-0.2	0.0	18	0	0	7.5	4.0	1	0.0	-5.8	0.0	64.3	60.8	26.9	0.0	6	10	0.0	13	88	8
2.5		2	50	5	27	1.00	0.5	0.0	18	1	0	4.0	7.5	0	0.0	0.0	0.0	64.3	60.8	26.9	0.0	0	0	0.0	13	0	8
24	0.00	1	26	1	21	1.00	0.7	0.0	18	1	0	4.0	7.5	1	0.0	-6.0	0.0	64.3	60.8	26.9	0.0	6	10	0.0	13	0	8
25	0.00	/	100	3	18	1.00	-0.4	0.0	18	1	0	7.5	4.0	1	0.0	5.9	0.0	64.3	60.8	26.9	0.0	6	10	0.0	13	94	8
2.5		4	50	5	18	1.00	0.7	0.0	18	1	0	4.0	7.5	0	0.0	0.0	0.0	64.3	60.8	26.9	0.0	0	0	0.0	13	0	8
25	0.00	1	26	1	27	1.00	1.5	0.0	18	2	1	4.0	7.5	1	0.0	-8.0	0.0	64.3	60.8	26.9	0.0	8	13	0.0	13	0	8
15	0.00	/	100	3	17	1.00	1.1	0.0	17	2	0	7.5	7.5	1	0.0	-7.4	0.0	64.3	60.8	26.9	0.0	8	12	0.0	13	94	8
2.5		4	50	5	18	1.00	0.2	0.0	17	0	0	7.5	7.5	0	0.0	0.0	0.0	64.3	60.8	26.9	0.0	0	0	0.0	13	0	8
18	0.00	1	26	1	30	1.00	-1.2	0.0	17	2	0	7.5	7.5	22	0.0	-3.7	0.0	64.3	60.8	26.9	0.0	4	6	0.0	13	45	8
19	0.00	/	100	3	30	1.00	-1.2	0.0	17	2	0	7.5	7.5	1	0.0	2.4	0.0	64.3	60.8	26.9	0.0	2	4	0.0	13	49	8
2.5		4	50	5	30	1.00	-1.1	0.0	17	2	0	7.5	7.5	0	0.0	0.0	0.0	64.3	60.8	26.9	0.0	0	0	0.0	13	0	8
19	0.00		26	1	27	1.00	3.4	0.0	18	5	1	4.0	7.5	1	0.0	-9.5	0.0	64.3	60.8	26.9	0.0	10	16	0.0	13	45	8
9	0.00		100	3	23	1.00	-6.5	0.0	18	10	2	7.5	4.0	1	0.0	9.1	0.0	64.3	60.8	26.9	0.0	9	15	0.0	13	285	8
2.5			50	5	28	1.00	4.0	0.0	18	6	1	4.0	7.5	1	0.0	12.3	0.0	64.3	60.8	26.9	0.0	12	20	0.0	13	45	8

STAMPA PROGETTO S.L.U. - AZIONI S.L.V. - FONDAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE									VERIFICA A TAGLIO E TORSIONE													
					Co Nr	GamRd	M Exd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq sup	inf	Co Nr	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	staffe Pas	Lun	Fi
20	0.00		27	1	18	1.00	-8.7	0.0	22	16	5	6.4	5.0	23	0.0	-7.5	0.0	30.4	30.4	11.9	0.0	15	25	0.0	13	45	8
10	0.00		50	3	18	1.00	-6.8	0.0	20	16	4	5.0	4.0	22	0.0	-5.7	0.0	30.4	30.4	11.9	0.0	12	19	0.0	13	173	8
2.5			50	5	27	1.00	3.6	0.0	18	10	3	4.0	4.0	18	0.0	5.5	0.0	30.4	30.4	11.9	0.0	11	18	0.0	13	45	8
21	0.00		25	1	27	1.00	-13.4	0.0	21	18	5	8.8	7.0	23	0.0	-11.9	0.0	41.2	49.4	17.0	0.0	15	24	0.0	16	45	8
6	0.00		80	3	27	1.00	-9.9	0.0	19	16	4	7.0	6.0	23	0.0	-9.2	0.0	41.2	49.4	17.0	0.0	12	19	0.0	16	155	8
2.5			50	5	23	1.00	-3.0	0.0	17	6	1	6.0	6.0	27	0.0	5.6	0.0	41.2	49.4	17.0	0.0	7	11	0.0	16	45	8
16	0.00	1	26	1	33	1.00	-2.6	0.0	17	4	1	7.5	7.5	1	0.0	-2.7	0.0	64.3	60.8	26.9	0.0	3	4	0.0	13	45	8
17	0.00	/	100	3	33	1.00	-2.6	0.0	17	4	1	7.5	7.5	1	0.0	3.0	0.0	64.3	60.8	26.9	0.0	3	5	0.0	13	49	8
2.5		4	50	5	33	1.00	-2.5	0.0	17	4	1	7.5	7.5	0	0.0	0.0	0.0	64.3	60.8	26.9	0.0	0	0	0.0	13	0	8
17	0.00		26	1	23	1.00	0.8	0.0	17	1	0	7.5	7.5	18	0.0	-3.2	0.0	64.3	60.8	26.9	0.0	3	5	0.0	13	45	8
8	0.00		100	3	23	1.00	7.4	0.0	18	11	3	7.5	7.5	22	0.0	7.8	0.0	64.3	60.8	26.9	0.0	8	13	0.0	13	86	8
2.5			50	5	23	1.00	9.4	0.0	18	14	3	7.5	7.5	30	0.0	10.9	0.0	64.3	60.8	26.9	0.0	11	18	0.0	13	45	8
11	0.00	2	28	1	21	1.00	-6.1	0.0	17	7	2	10.5	10.5	21	0.0	-4.9	0.0	84.8	84.7	36.1	0.0	4	6	0.0	14	0	8
7	0.00	/	140	3	33	1.00	7.3	0.0	17	8	2	10.5	10.5	33	0.0	6.1	0.0	84.8	84.7	36.1	0.0	4	7	0.0	14	62	8
2.5		2	50	5	33	1.00	7.3	0.0	17	8	2	10.5	10.5	33	0.0	10.0	0.0	84.8	84.7	36.1	0.0	7	12	0.0	14	45	8
14	0.00	2	27	1	30	1.00	2.2	0.0	18	6	2	4.0	4.0	18	0.0	-5.8	0.0	30.4	30.4	11.9	0.0	12	19	0.0	13	0	8
8	0.00	/	50	3	30	1.00	5.3	0.0	18	15	4	4.0	4.0	18	0.0	-5.6	0.0	30.4	30.4	11.9	0.0	11	19	0.0	13	122	8
2.5		2	50	5	30	1.00	5.3	0.0	18	15	4	4.0	4.0	0	0.0	0.0	0.0	30.4	30.4	11.9	0.0	0	0	0.0	13	0	8
15	0.00	2	25	1	23	1.00	5.1	0.0	18	10	2	6.0	6.0	27	0.0	-8.8	2.5	41.2	49.4	17.0	4.0	31	32	10.1	16	0	8
9	0.00	/	80	3	27	1.00	-10.2	0.0	19	17	4	7.0	8.0	23	0.0	9.6	-4.1	41.2	49.4	17.0	4.1	42	43	10.3	16	122	8
2.5		2	50	5	27	1.00	-10.2	0.0	19	17	4	7.0	8.0	0	0.0	0.0	0.0	41.2	49.4	17.0	0.0	0	0	0.0	16	0	8
8	0.00	2	27	1	30	1.00	6.2	0.0	18	18	4	6.4	4.0	23	0.0	-12.9	0.0	30.4	30.4	11.9	0.0	26	42	0.0	13	0	8
20	0.00	/	50	3	30	1.00	6.2	0.0	18	18	4	6.4	4.0	18	0.0	16.3	0.0	30.4	30.4	11.9	0.0	33	54	0.0	13	5	8
2.5		4	50	5	30	1.00	6.2	0.0	18	18	4	6.4	4.0	0	0.0	0.0	0.0	30.4	30.4	11.9	0.0	0	0	0.0	13	0	8
8	0.00	3	27	1	18	1.00	-8.6	0.0	22	16	5	6.4	5.0	23	0.0	-9.5	0.0	30.4	30.4	11.9	0.0	19	31	0.0	13	0	8
20	0.00	/	50	3	18	1.00	-8.6	0.0	22	16	5	6.4	5.0	18	0.0	10.7	0.0	30.4	30.4	11.9	0.0	22	35	0.0	13	5	8
2.5		4	50	5	18	1.00	-8.6	0.0	22	16	5	6.4	5.0	0	0.0	0.0	0.0	30.4	30.4	11.9	0.0	0	0	0.0	13	0	8
8	0.00	4	27	1	18	1.00	-8.4	0.0	22	16	5	6.3	5.0	22	0.0	-7.1	0.0	30.4	30.4	11.9	0.0	14	23	0.0	13	0	8
20	0.00	/	50	3	18	1.00	-8.4	0.0	22	16	5	6.3	5.0	0	0.0	0.0	0.0	30.4	30.4	11.9	0.0	0	0	0.0	13	0	8
2.5		4	50	5	18	1.00	-8.4	0.0	22	16	5	6.3	5.0	18	0.0	8.5	0.0	30.4	30.4	11.9	0.0	17	28	0.0	13	5	8
13	0.00	2	26	1	33	1.00	2.5	0.0	17	4	1	7.5	7.5	33	0.0	-5.6	0.0	64.3	60.8	26.9	0.0	6	9	0.0	13	0	8
16	0.00	/	100	3	33	1.00	2.5	0.0	17	4	1	7.5	7.5	32	0.0	-5.5	0.0	64.3	60.8	26.9	0.0	6	9	0.0	13	80	8
2.5		4	50	5	30	1.00	-0.8	0.0	17	1	0	7.5	7.5	0	0.0	0.0	0.0	64.3	60.8	26.9	0.0	0	0	0.0	13	0	8
13	0.00	3	26	1	30	1.00	-1.5	0.0	17	2	1	7.5	7.5	32	0.0	-3.9	0.0	64.3	60.8	26.9	0.0	4	6	0.0	13	0	8
16	0.00	/	100	3	30	1.00	-1.5	0.0	17	2	1	7.5	7.5	33	0.0	-3.4	0.0	64.3	60.8	26.9	0.0	3	6	0.0	13	80	8
2.5		4	50	5	33	1.00	-1.4	0.0	17	2	1	7.5	7.5	0	0.0	0.0	0.0	64.3	60.8	26.9	0.0	0	0	0.0	13	0	8
13	0.00	4	26	1	33	1.00	-2.0	0.0	17	3	1	7.5	7.5	32	0.0	-2.7	0.0	64.3	60.8	26.9	0.0	3	4	0.0	13	0	8
16	0.00	/	100	3	33	1.00	-2.0	0.0	17	3	1	7.5	7.5	32	0.0	-2.5	0.0	64.3	60.8	26.9	0.0	3	4	0.0	13	35	8
2.5		4	50	5	33	1.00	-1.9	0.0	17	3	1	7.5	7.5	1	0.0	2.4	0.0	64.3	60.8	26.9	0.0	2	4	0.0	13	45	8
12	0.00	2	26	1	21	1.00	0.8	0.0	18	1	0	4.0	7.5	1	0.0	-4.9	0.0	64.3	60.8	26.9	0.0	5	8	0.0	13	0	8
22	0.00	/	100	3	5	1.00	0.7	0.0	17	1	0	7.5	7.5	1	0.0	4.6	0.0	64.3	60.8	26.9	0.0	5	8	0.0	13	80	8
2.5		4	50	5	28	1.00	0.6	0.0	18	1	0	4.0	7.5	0	0.0	0.0	0.0	64.3	60.8	26.9	0.0	0	0	0.0	13	0	8
12	0.00	3	26	1	28	1.00	0.6	0.0	18	1	0	4.0	7.5	1	0.0	-4.8	0.0	64.3	60.8	26.9	0.0	5	8	0.0	13	0	8
22	0.00	/	100	3	28	1.00	-0.2	0.0	18	0	0	7.5	4.0	1	0.0	4.8	0.0	64.3	60.8	26.9	0.0	5	8	0.0	13	80	8
2.5		4	50	5	28	1.00	0.5	0.0	18	1	0	4.0	7.5	0	0.0	0.0	0.0	64.3	60.8	26.9	0.0	0	0	0.0	13	0	8
12	0.00	4	26	1	28	1.00	0.5	0.0	18	1	0	4.0	7.5	1	0.0	-4.5	0.0	64.3	60.8	26.9	0.0	5	7	0.0	13	0	8
22	0.00	/	100	3	28	1.00	-0.2	0.0	18	0	0	7.5	4.0	1	0.0	5.1	0.0	64.3	60.8	26.9	0.0	5	8	0.0	13	80	8
2.5		4	50	5	27	1.00	0.6	0.0	18	1	0	4.0	7.5	0	0.0	0.0	0.0	64.3	60.8	26.9	0.0	0	0	0.0	13	0	8
14	0.00	2	26	1	21	1.00	0.6	0.0	18	1	0	4.0	7.5	1	0.0	-5.1	0.0	64.3	60.8	26.9	0.0	5	8	0.0	13	0	8
24	0.00	/	100	3	18	1.00	-0.4	0.0	18	1	0	7.5	4.0	1	0.0	7.5	0.0	64.3	60.8	26.9	0.0	8	12	0.0	13	100	8
2.5		2	50	5	27	1.00	1.3	0.0	18	2	0	4.0	7.5	0	0.0	0.0	0.0	64.3	60.8	26.9	0.0	0	0	0.0	13	0	8
9	0.00	2	25	1	27	1.00	-12.7	0.0	20	17	5	8.5	8.0	27	0.0	20.3	0.0	41.2	49.4	17.0	0.0	26	41	0.0	16	0	8
21	0.00	/	80	3	27	1.00	-12.7	0.0	20	17	5	8.5	8.0	27	0.0	20.5	0.0	41.2	49.4	17.0	0.0	26	41	0.0	16	5	8
2.5		4	50	5	27	1.00	-12.7	0.0	20	17	5	8.5	8.0	0	0.0	0.0	0.0	41.2	49.4	17.0	0.0	0	0	0.0	16	0	8
9	0.00	3	25	1	27	1.00	-13.4	0.0	21	18	5	8.8	8.0	27	0.0	16.8	0.0	41.2	49.4	17.0	0.0	21	34	0.0	16	0	8
21	0.00	/	80	3	27	1.00	-13.4	0.0	21	18	5	8.8	8.0	27	0.0	25.8	0.0	41.2	49.4	17.0	0.0	33	52	0.0	16	5	8
2.5		4	50	5	27	1.00	-13.4	0.0	21	18	5	8.8	8.0	0	0.0	0.0	0.0	41.2	49.4	17.0	0.0	0	0	0.0	16	0	8
9	0.00	4	25	1	27	1.00	-13.1	0.0	21	17	5	8.7	7.0	27	0.0	13.6	0.0	41.2	49.4	17.0	0.0	17	28	0.0	16	0	8
21	0.00	/	80	3	27	1.00	-13.1	0.0	21	17	5	8.7	7.0	0	0.0	0.0	0.0	41.2	49.4	17.0	0.0	0	0	0.0	16	0	8
2.5		4	50	5	27	1.00	-13.1	0.0	21	17	5	8.7	7.0	27	0.0	13.5	0.0	41.2	49.4	17.0	0.0	17	27	0.0	16	5	8

STAMPA PROGETTO S.L.U. - AZIONI S.L.V. - FONDAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final	T r a t	Sez Bas Alt	C o n c	VERIFICA A PRESSO-FLESSIONE Co Nr	GamRd	M Exd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq sup	inf	VERIFICA A TAGLIO E TORSIONE Co Nr	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	staffe Pas	Lun	Fi
22	0.00	2	26	1	28	1.00	0.7	0.0	18	1	0	4.0	7.5	1	0.0	-5.8	0.0	64.3	60.8	26.9	0.0	6	10	0.0	13	0	8
23	0.00	/	100	3	28	1.00	-0.4	0.0	18	1	0	7.5	4.0	1	0.0	5.7	0.0	64.3	60.8	26.9	0.0	6	9	0.0	13	94	8
2.5		4	50	5	27	1.00	0.7	0.0	18	1	0	4.0	7.5	0	0.0	0.0	0.0	64.3	60.8	26.9	0.0	0	0	0.0	13	0	8
22	0.00	3	26	1	28	1.00	0.7	0.0	18	1	0	4.0	7.5	1	0.0	-5.9	0.0	64.3	60.8	26.9	0.0	6	10	0.0	13	0	8
23	0.00	/	100	3	28	1.00	-0.4	0.0	18	1	0	7.5	4.0	1	0.0	5.7	0.0	64.3	60.8	26.9	0.0	6	9	0.0	13	94	8
2.5		4	50	5	27	1.00	0.7	0.0	18	1	0	4.0	7.5	0	0.0	0.0	0.0	64.3	60.8	26.9	0.0	0	0	0.0	13	0	8
22	0.00	4	26	1	21	1.00	0.7	0.0	18	1	0	4.0	7.5	1	0.0	-5.8	0.0	64.3	60.8	26.9	0.0	6	9	0.0	13	0	8
23	0.00	/	100	3	12	1.00	-0.4	0.0	18	1	0	7.5	4.0	1	0.0	5.9	0.0	64.3	60.8	26.9	0.0	6	10	0.0	13	94	8
2.5		4	50	5	27	1.00	0.7	0.0	18	1	0	4.0	7.5	0	0.0	0.0	0.0	64.3	60.8	26.9	0.0	0	0	0.0	13	0	8
23	0.00	2	26	1	21	1.00	0.7	0.0	18	1	0	4.0	7.5	1	0.0	-5.5	0.0	64.3	60.8	26.9	0.0	6	9	0.0	13	0	8
14	0.00	/	100	3	27	1.00	-0.3	0.0	18	1	0	7.5	4.0	1	0.0	5.4	0.0	64.3	60.8	26.9	0.0	6	9	0.0	13	88	8
2.5		2	50	5	27	1.00	0.6	0.0	18	1	0	4.0	7.5	0	0.0	0.0	0.0	64.3	60.8	26.9	0.0	0	0	0.0	13	0	8
24	0.00	2	26	1	18	1.00	0.7	0.0	18	1	0	4.0	7.5	1	0.0	-6.0	0.0	64.3	60.8	26.9	0.0	6	10	0.0	13	0	8
25	0.00	/	100	3	18	1.00	-0.4	0.0	18	1	0	7.5	4.0	1	0.0	6.0	0.0	64.3	60.8	26.9	0.0	6	10	0.0	13	94	8
2.5		4	50	5	18	1.00	0.8	0.0	18	1	0	4.0	7.5	0	0.0	0.0	0.0	64.3	60.8	26.9	0.0	0	0	0.0	13	0	8
24	0.00	3	26	1	18	1.00	0.7	0.0	18	1	0	4.0	7.5	1	0.0	-6.1	0.0	64.3	60.8	26.9	0.0	6	10	0.0	13	0	8
25	0.00	/	100	3	18	1.00	-0.4	0.0	18	1	0	7.5	4.0	1	0.0	5.9	0.0	64.3	60.8	26.9	0.0	6	10	0.0	13	94	8
2.5		4	50	5	18	1.00	0.8	0.0	18	1	0	4.0	7.5	0	0.0	0.0	0.0	64.3	60.8	26.9	0.0	0	0	0.0	13	0	8
24	0.00	4	26	1	18	1.00	0.7	0.0	18	1	0	4.0	7.5	1	0.0	-6.2	0.0	64.3	60.8	26.9	0.0	6	10	0.0	13	0	8
25	0.00	/	100	3	18	1.00	-0.5	0.0	18	1	0	7.5	4.0	1	0.0	5.8	0.0	64.3	60.8	26.9	0.0	6	10	0.0	13	94	8
2.5		4	50	5	18	1.00	0.7	0.0	18	1	0	4.0	7.5	0	0.0	0.0	0.0	64.3	60.8	26.9	0.0	0	0	0.0	13	0	8
25	0.00	2	26	1	21	1.00	0.8	0.0	18	1	0	4.0	7.5	1	0.0	-6.0	0.0	64.3	60.8	26.9	0.0	6	10	0.0	13	0	8
15	0.00	/	100	3	23	1.00	0.7	0.0	17	1	0	7.5	7.5	1	0.0	6.0	0.0	64.3	60.8	26.9	0.0	6	10	0.0	13	94	8
2.5		4	50	5	18	1.00	1.2	0.0	18	2	0	4.0	7.5	0	0.0	0.0	0.0	64.3	60.8	26.9	0.0	0	0	0.0	13	0	8
25	0.00	3	26	1	18	1.00	1.0	0.0	18	2	0	4.0	7.5	1	0.0	-6.8	0.0	64.3	60.8	26.9	0.0	7	11	0.0	13	0	8
15	0.00	/	100	3	7	1.00	-0.6	0.0	18	1	0	7.5	4.0	1	0.0	-6.2	0.0	64.3	60.8	26.9	0.0	6	10	0.0	13	94	8
2.5		4	50	5	27	1.00	1.0	0.0	17	2	0	7.5	7.5	0	0.0	0.0	0.0	64.3	60.8	26.9	0.0	0	0	0.0	13	0	8
25	0.00	4	26	1	18	1.00	1.4	0.0	18	2	1	4.0	7.5	1	0.0	-9.3	0.0	64.3	60.8	26.9	0.0	9	15	0.0	13	0	8
15	0.00	/	100	3	23	1.00	-1.7	0.0	18	3	1	7.5	4.0	1	0.0	-8.7	0.0	64.3	60.8	26.9	0.0	9	14	0.0	13	94	8
2.5		4	50	5	23	1.00	-1.7	0.0	18	3	1	7.5	4.0	0	0.0	0.0	0.0	64.3	60.8	26.9	0.0	0	0	0.0	13	0	8
18	0.00	2	26	1	23	1.00	-1.6	0.0	17	2	1	7.5	7.5	1	0.0	-3.0	0.0	64.3	60.8	26.9	0.0	3	5	0.0	13	0	8
19	0.00	/	100	3	23	1.00	-1.6	0.0	17	2	1	7.5	7.5	1	0.0	-2.7	0.0	64.3	60.8	26.9	0.0	3	4	0.0	13	94	8
2.5		4	50	5	23	1.00	-1.5	0.0	17	2	1	7.5	7.5	0	0.0	0.0	0.0	64.3	60.8	26.9	0.0	0	0	0.0	13	0	8
18	0.00	3	26	1	23	1.00	-1.7	0.0	17	3	1	7.5	7.5	1	0.0	-2.7	0.0	64.3	60.8	26.9	0.0	3	4	0.0	13	0	8
19	0.00	/	100	3	23	1.00	-1.7	0.0	17	3	1	7.5	7.5	1	0.0	2.7	0.0	64.3	60.8	26.9	0.0	3	4	0.0	13	94	8
2.5		4	50	5	23	1.00	-1.7	0.0	17	3	1	7.5	7.5	0	0.0	0.0	0.0	64.3	60.8	26.9	0.0	0	0	0.0	13	0	8
18	0.00	4	26	1	23	1.00	-1.8	0.0	17	3	1	7.5	7.5	1	0.0	-2.2	0.0	64.3	60.8	26.9	0.0	2	4	0.0	13	0	8
19	0.00	/	100	3	23	1.00	-1.8	0.0	17	3	1	7.5	7.5	1	0.0	-1.9	0.0	64.3	60.8	26.9	0.0	2	3	0.0	13	49	8
2.5		4	50	5	23	1.00	-1.8	0.0	17	3	1	7.5	7.5	1	0.0	3.0	0.0	64.3	60.8	26.9	0.0	3	5	0.0	13	45	8
16	0.00	2	26	1	33	1.00	-2.6	0.0	17	4	1	7.5	7.5	1	0.0	-2.7	0.0	64.3	60.8	26.9	0.0	3	4	0.0	13	0	8
17	0.00	/	100	3	33	1.00	-2.6	0.0	17	4	1	7.5	7.5	1	0.0	2.9	0.0	64.3	60.8	26.9	0.0	3	5	0.0	13	94	8
2.5		4	50	5	33	1.00	-2.6	0.0	17	4	1	7.5	7.5	0	0.0	0.0	0.0	64.3	60.8	26.9	0.0	0	0	0.0	13	0	8
16	0.00	3	26	1	33	1.00	-2.3	0.0	17	3	1	7.5	7.5	1	0.0	-2.6	0.0	64.3	60.8	26.9	0.0	3	4	0.0	13	0	8
17	0.00	/	100	3	33	1.00	-2.3	0.0	17	4	1	7.5	7.5	1	0.0	3.3	0.0	64.3	60.8	26.9	0.0	3	5	0.0	13	94	8
2.5		4	50	5	33	1.00	-2.3	0.0	17	4	1	7.5	7.5	0	0.0	0.0	0.0	64.3	60.8	26.9	0.0	0	0	0.0	13	0	8
16	0.00	4	26	1	33	1.00	-1.7	0.0	17	3	1	7.5	7.5	1	0.0	-2.2	0.0	64.3	60.8	26.9	0.0	2	4	0.0	13	0	8
17	0.00	/	100	3	33	1.00	-1.7	0.0	17	3	1	7.5	7.5	30	0.0	2.1	0.0	64.3	60.8	26.9	0.0	2	4	0.0	13	49	8
2.5		4	50	5	17	1.00	-1.2	0.0	17	2	0	7.5	7.5	30	0.0	4.3	0.0	64.3	60.8	26.9	0.0	4	7	0.0	13	45	8

STAMPA PROGETTO S.L.U. - AZIONI S.L.V. - ELEVAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final AmpC	T r a t	Sez Bas Alt	C o n c	VERIFICA A PRESSO-FLESSIONE Co mb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq sup	inf	VERIFICA A TAGLIO E TORSIONE Co mb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Lun	Fi
1	5.25	1	33	1	17	1.8	0.0	0.0	19	7	2	3.1	3.1	5	0.0	1.8	0.0	14.4	20.9	5.7	0.0	5	9	0.0	19	45	8
2	5.25	/	35	3	11	1.8	0.0	0.0	19	7	2	3.1	3.1	21	0.0	1.5	0.0	14.4	20.9	5.7	0.0	4	7	0.0	19	47	8
2.5	1.00	4	49	5	11	1.8	0.0	0.0	19	7	2	3.1	3.1	0	0.0	0.0	0.0	14.4	20.9	5.7	0.0	0	0	0.0	19	0	8
2	5.25	1	33	1	30	-2.0	0.0	0.0	19	8	2	3.1	3.1	1	0.0	3.2	0.0	14.4	20.9	5.7	0.0	9	16	0.0	19	45	8
3	5.25	/	35	3	30	-2.0	0.0	0.0	19	8	2	3.1	3.1	1	0.0	2.6	0.0	14.4	20.9	5.7	0.0	8	12	0.0	19	41	8

STAMPA PROGETTO S.L.U. - AZIONI S.L.V. - ELEVAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final AmpC	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE									VERIFICA A TAGLIO E TORSIONE													
					Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
2.5	1.00	4	49	5	33	-1.4	0.0	0.0	18	5	1	3.1	3.1	0	0.0	0.0	0.0	14.4	20.9	5.7	0.0	0	0	0.0	19	0	8
3	5.25	1	33	1	14	-1.3	0.0	0.0	18	5	1	3.1	3.1	1	0.0	3.1	0.0	14.4	20.9	5.7	0.0	9	15	0.0	19	45	8
10	5.25	/	35	3	14	-1.3	0.0	0.0	18	5	1	3.1	3.1	1	0.0	2.4	0.0	14.4	20.9	5.7	0.0	7	12	0.0	19	34	8
2.5	1.00	2	49	5	12	-0.7	0.0	0.0	18	3	1	3.1	3.1	0	0.0	0.0	0.0	14.4	20.9	5.7	0.0	0	0	0.0	19	0	8
4	5.25	1	33	1	14	-1.3	0.0	0.0	18	5	1	3.1	3.1	1	0.0	3.1	0.0	14.4	20.9	5.7	0.0	9	15	0.0	19	45	8
5	5.25	/	35	3	14	-1.3	0.0	0.0	18	5	1	3.1	3.1	1	0.0	2.5	0.0	14.4	20.9	5.7	0.0	7	12	0.0	19	41	8
2.5	1.00	4	49	5	30	-0.7	0.0	0.0	18	3	1	3.1	3.1	0	0.0	0.0	0.0	14.4	20.9	5.7	0.0	0	0	0.0	19	0	8
5	5.25	1	33	1	23	-2.4	0.0	0.0	19	9	2	3.1	3.1	1	0.0	3.4	-0.8	33.2	34.5	4.3	0.8	28	27	3.1	17	45	8
6	5.25	/	35	3	23	-2.4	0.0	0.0	19	9	2	3.1	3.1	1	0.0	2.8	-0.8	33.2	34.5	4.3	0.8	26	24	3.1	17	40	8
2.5	1.00	4	49	5	23	-1.6	0.0	0.0	19	6	1	3.1	3.1	0	0.0	0.0	0.0	16.1	23.3	6.4	0.0	0	0	0.0	17	0	8
10	5.25	1	33	1	24	0.6	0.0	0.0	18	2	1	3.1	3.1	1	0.0	-0.6	0.0	14.4	20.9	5.7	0.0	2	3	0.0	19	45	8
4	5.25	/	35	3	23	0.6	0.0	0.0	18	2	1	3.1	3.1	1	0.0	-1.3	0.0	14.4	20.9	5.7	0.0	4	6	0.0	19	47	8
2.5	1.00	2	49	5	23	0.6	0.0	0.0	18	2	1	3.1	3.1	0	0.0	0.0	0.0	14.4	20.9	5.7	0.0	0	0	0.0	19	0	8
2	5.25		1	1	33	-1.7	0.0	0.0	24	11	4	3.1	3.1	1	0.0	2.8	-0.5	17.1	17.1	1.9	0.5	42	25	2.8	11	26	8
16	5.25		30	3	7	1.0	0.0	0.0	24	7	3	3.1	3.1	1	0.0	2.7	-0.5	17.1	17.1	1.9	0.5	42	24	2.8	11	178	8
2.5	1.00		30	5	24	1.6	0.0	0.0	27	8	4	3.1	4.1	1	0.0	2.2	-0.5	17.1	17.1	1.9	0.5	39	22	2.8	11	26	8
3	5.25		1	1	24	-1.9	0.0	0.0	24	12	5	3.1	3.1	1	0.0	3.2	-0.3	17.1	17.1	1.9	0.3	36	23	1.9	11	26	8
17	5.25		30	3	23	1.0	0.0	0.0	23	6	2	3.1	3.1	1	0.0	3.1	-0.3	17.1	17.1	1.9	0.3	36	23	1.9	11	178	8
2.5	1.00		30	5	24	1.8	0.0	0.0	28	9	4	3.1	4.3	1	0.0	2.6	-0.3	17.1	17.1	1.9	0.3	33	20	1.9	11	26	8
4	5.25		1	1	30	-1.9	0.0	0.0	24	12	5	3.1	3.1	1	0.0	3.1	0.0	11.4	11.4	2.4	0.0	18	27	0.0	20	26	8
18	5.25		30	3	33	1.0	0.0	0.0	24	6	2	3.1	3.1	1	0.0	3.0	0.0	11.4	11.4	2.4	0.0	18	27	0.0	20	178	8
2.5	1.00		30	5	33	1.8	0.0	0.0	28	9	4	3.1	4.3	1	0.0	2.5	0.0	11.4	11.4	2.4	0.0	15	22	0.0	20	26	8
5	5.25		1	1	30	-2.0	0.0	0.0	24	13	5	3.1	3.1	1	0.0	3.1	0.0	11.4	11.4	2.4	0.0	18	27	0.0	20	26	8
19	5.25		30	3	33	1.0	0.0	0.0	24	7	2	3.1	3.1	1	0.0	3.0	0.0	11.4	11.4	2.4	0.0	17	26	0.0	20	178	8
2.5	1.00		30	5	30	1.9	0.0	0.0	27	10	4	3.1	4.1	1	0.0	2.5	0.0	11.4	11.4	2.4	0.0	14	22	0.0	20	26	8
6	5.25		1	1	27	2.0	0.0	0.0	24	13	5	3.1	3.1	23	0.0	2.3	0.0	11.4	11.4	2.4	0.0	13	20	0.0	20	26	8
21	5.25		30	3	23	1.5	0.0	0.0	24	10	4	3.1	3.1	27	0.0	-2.3	0.0	11.4	11.4	2.4	0.0	13	20	0.0	20	178	8
2.5	1.00		30	5	23	2.6	0.0	0.0	24	17	7	4.1	3.1	27	0.0	-2.3	0.0	11.4	11.4	2.4	0.0	14	20	0.0	20	26	8
16	5.25		1	1	11	1.5	0.0	0.0	27	8	3	3.1	4.1	1	0.0	-2.4	0.4	17.1	17.1	1.9	0.4	35	21	2.3	11	26	8
22	5.25		30	3	28	-1.0	0.0	0.0	24	7	2	3.1	3.1	1	0.0	-3.0	0.4	17.1	17.1	1.9	0.4	39	24	2.3	11	198	8
2.5	1.00		30	5	28	-2.2	0.0	0.0	27	11	5	4.1	3.1	1	0.0	-3.1	0.4	17.1	17.1	1.9	0.4	39	24	2.3	11	26	8
17	5.25		1	1	27	1.8	0.0	0.0	28	9	4	3.1	4.3	1	0.0	-2.9	0.3	17.1	17.1	1.9	0.3	33	21	1.8	11	26	8
23	5.25		30	3	28	-1.1	0.0	0.0	24	8	3	3.1	3.1	1	0.0	-3.4	0.3	17.1	17.1	1.9	0.3	37	24	1.8	11	198	8
2.5	1.00		30	5	28	-2.5	0.0	0.0	28	12	6	4.5	3.1	1	0.0	-3.5	0.3	17.1	17.1	1.9	0.3	37	24	1.8	11	26	8
18	5.25		1	1	28	1.8	0.0	0.0	28	9	4	3.1	4.3	1	0.0	-2.9	0.0	11.4	11.4	2.4	0.0	17	25	0.0	20	26	8
24	5.25		30	3	18	-1.2	0.0	0.0	24	8	3	3.1	3.1	1	0.0	-3.5	0.0	11.4	11.4	2.4	0.0	20	30	0.0	20	198	8
2.5	1.00		30	5	18	-2.5	0.0	0.0	29	12	6	4.5	3.1	1	0.0	-3.5	0.0	11.4	11.4	2.4	0.0	21	31	0.0	20	26	8
19	5.25		1	1	28	1.8	0.0	0.0	27	9	4	3.1	4.1	1	0.0	-2.7	0.0	11.4	11.4	2.4	0.0	16	24	0.0	20	26	8
25	5.25		30	3	18	-1.3	0.0	0.0	24	8	3	3.1	3.1	1	0.0	-3.3	0.0	11.4	11.4	2.4	0.0	19	29	0.0	20	198	8
2.5	1.00		30	5	18	-2.6	0.0	0.0	28	12	6	4.4	3.1	1	0.0	-3.4	0.0	11.4	11.4	2.4	0.0	20	30	0.0	20	26	8
9	5.25	1	1	1	18	-1.1	0.0	0.0	24	7	3	3.1	3.1	18	0.0	1.3	0.0	11.4	11.4	2.4	0.0	8	12	0.0	20	0	8
15	5.25	/	30	3	18	-0.8	0.0	0.0	23	6	2	3.1	3.1	18	0.0	1.3	0.0	11.4	11.4	2.4	0.0	8	11	0.0	20	122	8
2.5	1.00	2	30	5	30	-0.5	0.0	0.0	23	3	1	3.1	3.1	0	0.0	0.0	0.0	11.4	11.4	2.4	0.0	0	0	0.0	20	0	8
21	5.25		1	1	1	-1.0	0.0	0.0	0	0	0	3.1	3.1	1	0.0	-3.5	2.6	24.7	24.7	2.7	0.0	111	0	0.0	0	0	8
9	5.25		30	3	1	-1.0	0.0	0.0	0	0	0	3.1	3.1	1	0.0	-3.5	2.6	24.7	24.7	2.7	0.0	111	0	0.0	0	0	8
NoVer.	1.00		30	5	1	-1.0	0.0	0.0	0	0	0	3.1	3.1	1	0.0	-3.5	2.6	24.7	24.7	2.7	0.0	111	0	0.0	0	0	8
9	5.25		34	1	11	-2.3	0.0	0.0	19	7	2	3.1	3.1	1	0.0	2.2	0.0	8.8	23.5	4.1	0.0	7	9	0.0	21	56	8
8	5.25		25	3	7	2.1	0.0	0.0	19	6	2	3.1	3.1	1	0.0	-2.2	0.0	8.8	23.5	4.1	0.0	7	9	0.0	21	841	8
2.5	1.00		60	5	23	-3.6	0.0	0.0	20	11	3	3.1	3.1	1	0.0	-2.5	0.0	8.8	23.5	4.1	0.0	8	10	0.0	21	56	8
8	5.25		34	1	2	-3.5	0.0	0.0	20	11	3	3.1	3.1	1	0.0	2.3	0.0	8.8	23.5	4.1	0.0	7	10	0.0	21	56	8
13	5.25		25	3	17	2.0	0.0	0.0	19	6	2	3.1	3.1	1	0.0	2.0	0.0	8.8	23.5	4.1	0.0	7	9	0.0	21	761	8
2.5	1.00		60	5	5	-2.6	0.0	0.0	19	8	2	3.1	3.1	1	0.0	-2.0	0.0	8.8	23.5	4.1	0.0	6	8	0.0	21	56	8
1	5.25		34	1	21	2.5	0.0	0.0	19	8	2	3.1	3.1	21	0.0	-3.4	0.0	8.8	23.5	4.1	0.0	11	15	0.0	21	56	8
7	5.25		25	3	21	-4.8	0.0	0.0	20	14	4	3.1	3.1	21	0.0	-3.9	0.0	8.8	23.5	4.1	0.0	13	17	0.0	21	123	8
2.5	1.00		60	5	21	-6.1	0.0	0.0	22	14	4	4.1	3.1	21	0.0	-4.1	0.0	8.8	23.5	4.1	0.0	13	18	0.0	21	56	8
7	5.25		34	1	21	-2.6	0.0	0.0	19	8	2	3.1	3.1	1	0.0	2.6	0.0	8.8	23.5	4.1	0.0	9	11	0.0	21	56	8
11	5.25		25	3	21	-2.2	0.0	0.0	19	7	2	3.1	3.1	1	0.0	2.4	0.0	8.8	23.5	4.1	0.0	8	10	0.0	21	102	8
2.5	1.00		60	5	17	0.9	0.0	0.0	19	3	1	3.1	3.1	1	0.0	1.8	0.0	8.8	23.5	4.1	0.0	6	8	0.0	21	56	8
13	5.25		34	1	28	-2.6	0.0	0.0	19	8	2	3.1	3.1	21	0.0	4.4	0.0	8.8	23.5	4.1	0.0	14	19	0.0	21	32	8

STAMPA PROGETTO S.L.U. - AZIONI S.L.V. - ELEVAZIONE

Filo Iniz / Fin. / Ctgθ	Quota Iniz. / Final / AmpC	Trat	Sez Bas / Alt	Conc	VERIFICA A PRESSO-FLESSIONE: Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	VERIFICA A TAGLIO E TORSIONE: Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
7	5.25		25	3	28	-2.6	0.0	0.0	19	8	2	3.1	3.1	0	0.0	0.0	0.0	8.8	23.5	4.1	0.0	0	0	0.0	21	0	8
2.5	1.00		60	5	12	-2.4	0.0	0.0	19	7	2	3.1	3.1	21	0.0	4.3	0.0	8.8	23.5	4.1	0.0	14	18	0.0	21	32	8
1	5.25	2	33	1	11	1.9	0.0	0.0	19	7	2	3.1	3.1	21	0.0	0.8	0.0	14.4	20.9	5.7	0.0	2	4	0.0	19	0	8
2	5.25	/	35	3	11	1.9	0.0	0.0	19	7	2	3.1	3.1	1	0.0	-1.0	0.0	14.4	20.9	5.7	0.0	3	5	0.0	19	92	8
2.5	1.00	4	49	5	27	1.7	0.0	0.0	19	6	2	3.1	3.1	0	0.0	0.0	0.0	14.4	20.9	5.7	0.0	0	0	0.0	19	0	8
1	5.25	3	33	1	18	1.5	0.0	0.0	19	6	1	3.1	3.1	1	0.0	-1.4	0.0	14.4	20.9	5.7	0.0	4	7	0.0	19	0	8
2	5.25	/	35	3	18	1.5	0.0	0.0	19	6	1	3.1	3.1	1	0.0	-2.7	0.0	14.4	20.9	5.7	0.0	8	13	0.0	19	92	8
2.5	1.00	4	49	5	21	1.4	0.0	0.0	18	5	1	3.1	3.1	0	0.0	0.0	0.0	14.4	20.9	5.7	0.0	0	0	0.0	19	0	8
1	5.25	4	33	1	33	-1.5	0.0	0.0	19	6	1	3.1	3.1	1	0.0	-3.4	0.9	33.2	34.5	4.3	0.9	31	29	3.5	17	0	8
2	5.25	/	35	3	33	-2.7	0.0	0.0	19	10	3	3.1	3.1	1	0.0	-4.1	0.9	33.2	34.5	4.3	0.9	32	31	3.5	17	47	8
2.5	1.00	4	49	5	33	-2.7	0.0	0.0	19	10	3	3.1	3.1	1	0.0	-4.7	0.9	33.2	34.5	4.3	0.9	34	34	3.5	17	45	8
2	5.25	2	33	1	21	0.7	0.0	0.0	18	3	1	3.1	3.1	1	0.0	1.4	0.0	14.4	20.9	5.7	0.0	4	7	0.0	19	0	8
3	5.25	/	35	3	21	0.7	0.0	0.0	18	3	1	3.1	3.1	1	0.0	1.4	0.0	14.4	20.9	5.7	0.0	4	7	0.0	19	85	8
2.5	1.00	4	49	5	21	0.7	0.0	0.0	18	3	1	3.1	3.1	0	0.0	0.0	0.0	14.4	20.9	5.7	0.0	0	0	0.0	19	0	8
2	5.25	3	33	1	21	0.7	0.0	0.0	18	3	1	3.1	3.1	18	0.0	-0.5	0.0	14.4	20.9	5.7	0.0	1	2	0.0	19	0	8
3	5.25	/	35	3	21	0.7	0.0	0.0	18	3	1	3.1	3.1	1	0.0	-1.3	0.0	14.4	20.9	5.7	0.0	4	6	0.0	19	85	8
2.5	1.00	4	49	5	5	0.5	0.0	0.0	18	2	0	3.1	3.1	0	0.0	0.0	0.0	14.4	20.9	5.7	0.0	0	0	0.0	19	0	8
2	5.25	4	33	1	18	-1.1	0.0	0.0	18	4	1	3.1	3.1	1	0.0	-2.0	0.0	14.4	20.9	5.7	0.0	6	10	0.0	19	0	8
3	5.25	/	35	3	18	-1.8	0.0	0.0	19	7	2	3.1	3.1	1	0.0	-2.5	0.0	14.4	20.9	5.7	0.0	7	12	0.0	19	41	8
2.5	1.00	4	49	5	18	-1.8	0.0	0.0	19	7	2	3.1	3.1	1	0.0	-3.2	0.0	14.4	20.9	5.7	0.0	9	15	0.0	19	45	8
3	5.25	2	33	1	24	0.6	0.0	0.0	18	2	1	3.1	3.1	1	0.0	1.4	0.0	14.4	20.9	5.7	0.0	4	7	0.0	19	0	8
10	5.25	/	35	3	24	0.6	0.0	0.0	18	2	1	3.1	3.1	1	0.0	1.4	0.0	14.4	20.9	5.7	0.0	4	7	0.0	19	34	8
2.5	1.00	2	49	5	24	0.6	0.0	0.0	18	2	1	3.1	3.1	1	0.0	0.9	0.0	14.4	20.9	5.7	0.0	3	4	0.0	19	45	8
4	5.25	2	33	1	27	0.8	0.0	0.0	18	3	1	3.1	3.1	1	0.0	1.3	0.0	14.4	20.9	5.7	0.0	4	6	0.0	19	0	8
5	5.25	/	35	3	27	0.8	0.0	0.0	18	3	1	3.1	3.1	1	0.0	1.3	0.0	14.4	20.9	5.7	0.0	4	6	0.0	19	85	8
2.5	1.00	4	49	5	27	0.8	0.0	0.0	18	3	1	3.1	3.1	0	0.0	0.0	0.0	14.4	20.9	5.7	0.0	0	0	0.0	19	0	8
4	5.25	3	33	1	27	0.8	0.0	0.0	18	3	1	3.1	3.1	24	0.0	-0.4	0.0	14.4	20.9	5.7	0.0	1	2	0.0	19	0	8
5	5.25	/	35	3	27	0.8	0.0	0.0	18	3	1	3.1	3.1	1	0.0	-1.4	0.0	14.4	20.9	5.7	0.0	4	7	0.0	19	85	8
2.5	1.00	4	49	5	27	0.8	0.0	0.0	18	3	1	3.1	3.1	0	0.0	0.0	0.0	14.4	20.9	5.7	0.0	0	0	0.0	19	0	8
4	5.25	4	33	1	24	-1.1	0.0	0.0	18	4	1	3.1	3.1	1	0.0	-2.0	0.0	14.4	20.9	5.7	0.0	6	10	0.0	19	0	8
5	5.25	/	35	3	24	-1.7	0.0	0.0	19	6	2	3.1	3.1	1	0.0	-2.6	0.0	14.4	20.9	5.7	0.0	7	12	0.0	19	41	8
2.5	1.00	4	49	5	24	-1.7	0.0	0.0	19	6	2	3.1	3.1	1	0.0	-3.2	0.0	14.4	20.9	5.7	0.0	9	15	0.0	19	45	8
5	5.25	2	33	1	27	1.6	0.0	0.0	19	6	1	3.1	3.1	1	0.0	1.7	0.0	14.4	20.9	5.7	0.0	5	8	0.0	19	0	8
6	5.25	/	35	3	27	1.6	0.0	0.0	19	6	1	3.1	3.1	1	0.0	1.6	0.0	14.4	20.9	5.7	0.0	5	8	0.0	19	86	8
2.5	1.00	4	49	5	27	1.6	0.0	0.0	19	6	1	3.1	3.1	0	0.0	0.0	0.0	14.4	20.9	5.7	0.0	0	0	0.0	19	0	8
5	5.25	3	33	1	27	1.5	0.0	0.0	19	5	1	3.1	3.1	23	0.0	0.8	0.0	14.4	20.9	5.7	0.0	2	4	0.0	19	0	8
6	5.25	/	35	3	27	1.5	0.0	0.0	19	5	1	3.1	3.1	26	0.0	-1.1	0.0	14.4	20.9	5.7	0.0	3	5	0.0	19	86	8
2.5	1.00	4	49	5	27	1.2	0.0	0.0	18	5	1	3.1	3.1	0	0.0	0.0	0.0	14.4	20.9	5.7	0.0	0	0	0.0	19	0	8
5	5.25	4	33	1	23	1.1	0.0	0.0	18	4	1	3.1	3.1	1	0.0	-1.6	0.0	14.4	20.9	5.7	0.0	5	7	0.0	19	0	8
6	5.25	/	35	3	23	1.1	0.0	0.0	18	4	1	3.1	3.1	1	0.0	-2.1	0.0	14.4	20.9	5.7	0.0	6	10	0.0	19	41	8
2.5	1.00	4	49	5	23	1.0	0.0	0.0	18	4	1	3.1	3.1	1	0.0	-2.7	0.0	14.4	20.9	5.7	0.0	8	13	0.0	19	45	8
10	5.25	2	33	1	18	-0.8	0.0	0.0	18	3	1	3.1	3.1	1	0.0	-2.0	0.0	14.4	20.9	5.7	0.0	6	10	0.0	19	0	8
4	5.25	/	35	3	18	-1.6	0.0	0.0	19	6	1	3.1	3.1	1	0.0	-2.6	0.0	14.4	20.9	5.7	0.0	8	13	0.0	19	47	8
2.5	1.00	2	49	5	18	-1.6	0.0	0.0	19	6	1	3.1	3.1	1	0.0	-3.3	0.0	14.4	20.9	5.7	0.0	9	16	0.0	19	45	8
9	5.25	2	1	1	18	-0.2	0.0	0.0	23	2	1	3.1	3.1	26	0.0	0.4	0.0	11.4	11.4	2.4	0.0	2	4	0.0	20	0	8
15	5.25	/	30	3	18	-0.2	0.0	0.0	23	1	0	3.1	3.1	26	0.0	0.4	0.0	11.4	11.4	2.4	0.0	2	4	0.0	20	122	8
2.5	1.00	2	30	5	23	-0.1	0.0	0.0	23	1	0	3.1	3.1	0	0.0	0.0	0.0	11.4	11.4	2.4	0.0	0	0	0.0	20	0	8

STAMPA PROGETTO S.L.U. - AZIONI S.L.V. - PILASTRI

Filo Iniz / Fin. / Ctgθ	Quota Iniz. / Final / N/Nc	Trat	Sez Bas / Alt	Conc	VERIFICA A PRESSO-FLESSIONE: Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/d	εf% 100	εc% 100	Area cmq b	Area cmq h	VERIFICA A TAGLIO E TORSIONE: Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
1	0.00		30	1	21	2.3	-1.2	-2.6		9	6	5.1	5.1	21	0.5	0.8	0.0	23.7	23.7	2.9	0.0	6	5	0.0	15	90	8
1	5.25		35	3	21	-0.4	0.4	-1.6		1	1	5.1	5.1	21	0.5	0.8	0.0	23.7	23.7	2.9	0.0	6	5	0.0	15	350	8
2.5	0.04		35	5	21	-2.1	1.4	-1.0		10	6	5.1	5.1	21	0.5	0.8	0.0	23.7	23.7	2.9	0.0	6	5	0.0	15	85	8
2	0.00		30	1	18	1.2	1.3	-6.6		4	4	5.1	5.1	18	-0.5	0.4	0.0	24.3	24.3	2.9	0.0	4	3	0.0	15	93	8
2	5.25		35	3	18	0.5	0.2	-6.0		0	1	5.1	5.1	18	-0.5	0.4	0.0	24.3	24.3	2.9	0.0	4	3	0.0	15	346	8
2.5	0.05		35	5	18	-0.7	-1.4	-5.0		4	3	5.1	5.1	18	-0.5	0.4	0.0	24.3	24.3	2.9	0.0	4	3	0.0	15	87	8

STAMPA PROGETTO S.L.U. - AZIONI S.L.V. - PILASTRI

Filo Iniz / Fin. / Ctgθ	Quota Iniz. / Final / N/Nc	Tra t	Sez Bas / Alt	Conc	VERIFICA A PRESSO-FLESSIONE									VERIFICA A TAGLIO E TORSIONE													
					Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/d	εf% 100	εc% 100	Area cmq b	h	Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Lun	Fi
3	0.00		30	1	18	1.4	1.5	-7.2		5	5	5.1	5.1	18	-0.5	0.4	0.0	24.3	24.3	2.9	0.0	4	3	0.0	15	97	8
3	5.25		35	3	18	0.7	0.3	-6.5		1	1	5.1	5.1	18	-0.5	0.4	0.0	24.3	24.3	2.9	0.0	4	3	0.0	15	343	8
2.5	0.04		35	5	30	1.3	1.1	-5.8		4	4	5.1	5.1	18	-0.5	0.4	0.0	24.3	24.3	2.9	0.0	4	3	0.0	15	85	8
4	0.00		30	1	18	1.4	1.0	-7.1		3	4	5.1	5.1	30	0.4	-0.4	0.0	24.3	24.3	2.9	0.0	3	3	0.0	15	98	8
4	5.25		35	3	27	0.7	0.2	-6.5		0	1	5.1	5.1	30	0.4	-0.4	0.0	24.3	24.3	2.9	0.0	3	3	0.0	15	341	8
2.5	0.04		35	5	30	1.3	1.0	-5.9		4	3	5.1	5.1	30	0.4	-0.4	0.0	24.3	24.3	2.9	0.0	3	3	0.0	15	86	8
5	0.00		30	1	18	1.5	1.7	-6.4		6	5	5.1	5.1	18	-0.6	0.5	0.0	24.2	24.2	2.9	0.0	5	4	0.0	15	92	8
5	5.25		35	3	18	0.6	0.4	-5.7		1	1	5.1	5.1	18	-0.6	0.5	0.0	24.2	24.2	2.9	0.0	5	4	0.0	15	347	8
2.5	0.05		35	5	18	-0.8	-1.7	-4.8		5	4	5.1	5.1	18	-0.6	0.5	0.0	24.2	24.2	2.9	0.0	5	4	0.0	15	86	8
6	0.00		31	1	27	2.5	1.0	-2.0		11	8	5.1	5.1	27	-0.4	0.9	0.0	16.0	17.0	1.8	0.0	8	5	0.0	15	91	8
6	5.25		25	3	27	0.6	0.2	-1.5		2	2	5.1	5.1	27	-0.4	0.9	0.0	16.0	17.0	1.8	0.0	8	5	0.0	15	349	8
2.5	0.04		35	5	27	-2.2	-1.0	-0.8		11	7	5.1	5.1	27	-0.4	0.9	0.0	16.0	17.0	1.8	0.0	8	5	0.0	15	85	8
7	0.00		32	1	21	3.9	0.8	-4.1		7	3	5.1	5.1	21	-0.3	1.5	0.0	18.1	32.8	9.0	0.0	4	5	0.0	15	90	8
7	5.25		35	3	21	-0.8	-0.1	-2.4		1	0	5.1	5.1	21	-0.3	1.5	0.0	18.1	32.8	9.0	0.0	4	5	0.0	15	349	8
2.5	0.02		60	5	21	-3.9	-0.7	-1.3		8	3	5.1	5.1	21	-0.3	1.5	0.0	18.1	32.8	9.0	0.0	4	5	0.0	15	86	8
16	5.25		1	1	28	0.6	0.3	-1.6		3	2	5.1	5.1	1	-1.1	0.0	0.0	15.1	15.1	3.0	0.0	6	7	0.0	15	45	8
16	6.60		30	3	24	-0.4	0.1	-1.3		1	1	5.1	5.1	1	-1.1	0.0	0.0	15.1	15.1	3.0	0.0	6	7	0.0	15	35	8
2.5	0.01		30	5	11	0.0	-0.5	-1.5		1	1	5.1	5.1	1	-1.1	0.0	0.0	15.1	15.1	3.0	0.0	6	7	0.0	15	45	8
17	5.25		1	1	28	0.7	0.2	-1.8		3	2	5.1	5.1	1	-1.0	0.0	0.0	15.1	15.1	3.0	0.0	6	6	0.0	15	45	8
17	6.60		30	3	23	-0.4	0.0	-1.7		1	1	5.1	5.1	1	-1.0	0.0	0.0	15.1	15.1	3.0	0.0	6	6	0.0	15	35	8
2.5	0.01		30	5	12	0.0	-0.4	-1.6		1	1	5.1	5.1	1	-1.0	0.0	0.0	15.1	15.1	3.0	0.0	6	6	0.0	15	45	8
18	5.25		1	1	28	0.7	0.2	-1.8		3	2	5.1	5.1	28	-0.3	0.6	0.0	17.1	17.1	1.9	0.0	5	5	0.0	15	45	8
18	6.60		30	3	26	0.4	0.0	-1.7		1	1	5.1	5.1	28	-0.3	0.6	0.0	17.1	17.1	1.9	0.0	5	5	0.0	15	35	8
2.5	0.01		30	5	12	0.0	-0.3	-1.6		1	1	5.1	5.1	28	-0.3	0.6	0.0	17.1	17.1	1.9	0.0	5	5	0.0	15	45	8
19	5.25		1	1	18	1.0	0.1	-1.7		3	2	5.1	5.1	18	-0.3	0.8	0.0	17.1	17.1	1.9	0.0	6	5	0.0	15	45	8
19	6.60		30	3	18	0.6	-0.1	-1.6		2	1	5.1	5.1	18	-0.3	0.8	0.0	17.1	17.1	1.9	0.0	6	5	0.0	15	35	8
2.5	0.01		30	5	11	0.0	-0.4	-1.4		1	1	5.1	5.1	18	-0.3	0.8	0.0	17.1	17.1	1.9	0.0	6	5	0.0	15	45	8
21	5.25		1	1	12	0.9	1.8	-1.2		9	6	5.1	5.1	1	-3.4	0.0	0.0	15.1	15.1	3.0	0.0	20	22	0.0	15	45	8
21	6.60		30	3	12	0.6	0.8	-1.1		4	3	5.1	5.1	1	-3.4	0.0	0.0	15.1	15.1	3.0	0.0	20	22	0.0	15	35	8
2.5	0.01		30	5	27	0.0	-0.8	-0.9		3	2	5.1	5.1	1	-3.4	0.0	0.0	15.1	15.1	3.0	0.0	20	22	0.0	15	45	8

STAMPA PROGETTO S.L.U. - AZIONI S.L.V. - LEGNO

Mat. N.ro	Clas Serv	Comb N.ro	Classe durata di riferimento	Kmod	Gamma	fmd kg/cmq	fcd kg/cmq	ftd kg/cmq	fvd kg/cmq
101	2	0	Permanente	0.60	1.30	110.8	110.8	76.2	12.5
		1	Media Durata	0.80	1.30	147.7	147.7	101.5	16.6
		2	Istantaneo	1.10	1.30	203.1	203.1	139.6	22.8
		3	Istantaneo	1.10	1.30	203.1	203.1	139.6	22.8
		4	Istantaneo	1.10	1.30	203.1	203.1	139.6	22.8
		5	Istantaneo	1.10	1.30	203.1	203.1	139.6	22.8
		6	Istantaneo	1.10	1.30	203.1	203.1	139.6	22.8
		7	Istantaneo	1.10	1.30	203.1	203.1	139.6	22.8
		8	Istantaneo	1.10	1.30	203.1	203.1	139.6	22.8
		9	Istantaneo	1.10	1.30	203.1	203.1	139.6	22.8

STAMPA PROGETTO S.L.U. - AZIONI S.L.V. - LEGNO

Mat. N.ro	Clas Serv	Comb N.ro	Classe durata di riferimento	Kmod	Gamma	fmd kg/cmq	fcd kg/cmq	ftd kg/cmq	fvd kg/cmq
		10	Istantaneo	1.10	1.30	203.1	203.1	139.6	22.8
		11	Istantaneo	1.10	1.30	203.1	203.1	139.6	22.8
		12	Istantaneo	1.10	1.30	203.1	203.1	139.6	22.8
		13	Istantaneo	1.10	1.30	203.1	203.1	139.6	22.8
		14	Istantaneo	1.10	1.30	203.1	203.1	139.6	22.8
		15	Istantaneo	1.10	1.30	203.1	203.1	139.6	22.8
		16	Istantaneo	1.10	1.30	203.1	203.1	139.6	22.8
		17	Istantaneo	1.10	1.30	203.1	203.1	139.6	22.8
		18	Istantaneo	1.10	1.30	203.1	203.1	139.6	22.8
		19	Istantaneo	1.10	1.30	203.1	203.1	139.6	22.8
		20	Istantaneo	1.10	1.30	203.1	203.1	139.6	22.8
		21	Istantaneo	1.10	1.30	203.1	203.1	139.6	22.8
		22	Istantaneo	1.10	1.30	203.1	203.1	139.6	22.8
		23	Istantaneo	1.10	1.30	203.1	203.1	139.6	22.8
		24	Istantaneo	1.10	1.30	203.1	203.1	139.6	22.8
		25	Istantaneo	1.10	1.30	203.1	203.1	139.6	22.8
		26	Istantaneo	1.10	1.30	203.1	203.1	139.6	22.8
		27	Istantaneo	1.10	1.30	203.1	203.1	139.6	22.8
		28	Istantaneo	1.10	1.30	203.1	203.1	139.6	22.8
		29	Istantaneo	1.10	1.30	203.1	203.1	139.6	22.8
		30	Istantaneo	1.10	1.30	203.1	203.1	139.6	22.8
		31	Istantaneo	1.10	1.30	203.1	203.1	139.6	22.8
		32	Istantaneo	1.10	1.30	203.1	203.1	139.6	22.8
		33	Istantaneo	1.10	1.30	203.1	203.1	139.6	22.8

STAMPA PROGETTO S.L.U. - AZIONI S.L.V. - LEGNO + VERIFICA S.L.E.

VERIFICHE ASTE IN LEGNO

DATI DI ASTA	Fili N.ro	Quota (m)	Trat to	Cmb N.r	N Sd (kg)	MxSd (kg*m)	MySd (kg*m)	VxSd (kg)	VySd (kg)	T Sd (kg*m)	σn	σMx	σMy	τx	τy	τMt	Rapp. Fless	Rapp. Taglio
											(kg/cmq)							
Sez.N. 1028	16	6.60		1	-5824	-1126	-9	-3	2223	0	12	59	1	0	7	0	0.37	0.42
LegnoGL24h qn=	-858			1	-5824	799	-3	-3	-35	0	12	42	0	0	0	0	0.26	0.01
Asta: 63	17	6.60		1	-5824	-1867	4	-3	-2616	0	12	97	0	0	8	0	0.61	0.49
Instab.:l=	377.0	β*l=	263.9		-5824	-1867	4	KcC= 0.92	KcM= 1.00	Rx= 0.75	Ry= 0.55		Wmax/rel/lim=		8.20	2.52	18.85	mm
Sez.N. 1028	17	6.60		1	-4866	-1217	1	1	2268	0	10	63	0	0	7	0	0.40	0.43
LegnoGL24h qn=	-858			1	-4866	784	0	1	-55	0	10	41	0	0	0	0	0.26	0.01
Asta: 64	18	6.60		1	-4866	-1791	-1	1	-2572	0	10	93	0	0	8	0	0.58	0.48
Instab.:l=	377.0	β*l=	263.9		-4866	-1791	-1	KcC= 0.92	KcM= 1.00	Rx= 0.71	Ry= 0.52		Wmax/rel/lim=		8.39	2.45	18.85	mm
Sez.N. 1028	18	6.60		1	-4153	-1297	-2	-1	2311	0	9	68	0	0	7	0	0.42	0.44
LegnoGL24h qn=	-858			1	-4153	783	-1	-1	-12	0	9	41	0	0	0	0	0.26	0.00
Asta: 65	19	6.60		1	-4153	-1707	1	-1	-2528	0	9	89	0	0	8	0	0.55	0.48
Instab.:l=	377.0	β*l=	263.9		-4153	-1707	1	KcC= 0.92	KcM= 1.00	Rx= 0.67	Ry= 0.49		Wmax/rel/lim=		8.41	2.46	18.85	mm
Sez.N. 1028	19	6.60		1	-3400	-1034	-8	-5	2141	1	7	54	1	0	7	0	0.34	0.41
LegnoGL24h qn=	-858			1	-3400	750	-1	-5	-53	1	7	39	0	0	0	0	0.24	0.01
Asta: 66	21	6.60		1	-3400	-1822	9	-5	-2570	1	7	95	1	0	8	0	0.59	0.49
Instab.:l=	367.0	β*l=	256.9		-3400	-1822	9	KcC= 0.93	KcM= 1.00	Rx= 0.70	Ry= 0.51		Wmax/rel/lim=		7.26	2.19	18.35	mm
Nover.	26	6.60		1	-4656	-384	-227	-94	1928	-7	10	20	14	0	6	1	0.19	0.41
LegnoGL24h qn=	-809			1	-5340	1151	-76	-94	-11	-7	11	60	5	0	0	1	0.40	0.05
Asta: 67	11	5.25		1	-6389	-2515	154	-94	-2979	-7	13	131	10	0	9	1	0.86	0.60
Instab.:l=	405.4	β*l=	283.8		-6389	-2515	154	KcC= 0.90	KcM= 1.00	Rx= 1.03	Ry= 0.79		Wmax/rel/lim=		10.06	4.59	20.27	mm
Sez.N. 1028	26	6.60		1	-4609	-304	271	124	1633	22	10	16	17	0	5	2	0.18	0.41
LegnoGL24h qn=	-793			1	-5302	820	97	124	-38	22	11	43	6	0	0	2	0.30	0.11

STAMPA PROGETTO S.L.U. - AZIONI S.L.V. - LEGNO + VERIFICA S.L.E.

VERIFICHE ASTE IN LEGNO

DATI DI ASTA	Fili N.ro	Quota (m)	Trat to	Cmb N.r	N Sd (kg)	MxSd (kg*m)	MySd (kg*m)	VxSd (kg)	VySd (kg)	T Sd (kg*m)	σn (kg/cmq)	σMx	σMy	τx	τy	τMt	Rapp. Fless	Rapp. Taglio
Asta: 68	1	5.25		1	-6342	-1907	-164	124	-2543	22	13	99	10	0	8	2	0.67	0.59
Instab.:l=	352.2	β*l=	246.5		-6342	-1907	-164	KcC= 0.94	KcM= 1.00	Rx= 0.82	Ry= 0.64		Wmax/rel/lim=		8.41	2.43	17.61	mm
Sez.N. 1028	26	6.60		1	-6896	-345	-30	13	-9	-22	14	18	2	0	0	2	0.13	0.09
LegnoGL24h	qn=	-858		1	-6896	-661	-39	13	-901	-22	14	34	2	0	3	2	0.23	0.25
Asta: 69	16	6.60		1	-6896	-1688	-49	13	-1857	-22	14	88	3	0	6	2	0.57	0.43
Instab.:l=	144.0	β*l=	100.8		-6896	-1688	-49	KcC= 1.00	KcM= 1.00	Rx= 0.71	Ry= 0.53		Wmax/rel/lim=		7.66	0.66	7.20	mm

STAMPA PROGETTO S.L.U. - AZIONI S.L.V. - FATTORI DI COMPORTAMENTO DEGLI ELEMENTI

IDENTIFICATIVO							DIREZIONE X		DIREZIONE Y		IDENTIFICATIVO							DIREZIONE X		DIREZIONE Y	
Asta 3D	Nodo In.	Nodo Fin.	Filo Iniz	Filo Fin.	QuoIn (m)	QuoFi (m)	Fattore 'q' Tagl.	Fattore 'q' Fless	Fattore 'q' Tagl.	Fattore 'q' Fless.	Asta 3D	Nodo In.	Nodo Fin.	Filo Iniz	Filo Fin.	QuoIn (m)	QuoFi (m)	Fattore 'q' Tagl.	Fattore 'q' Fless	Fattore 'q' Tagl.	Fattore 'q' Fless.
1	1	2	1	2	0.00	0.00	1.50	1.50	1.50	1.50	2	3	4	7	13	0.00	0.00	1.50	1.50	1.50	1.50
3	5	6	11	12	0.00	0.00	1.50	1.50	1.50	1.50	4	5	200	11	7	0.00	0.00	1.50	1.50	1.50	1.50
5	7	146	14	8	0.00	0.00	1.50	1.50	1.50	1.50	6	9	193	15	9	0.00	0.00	1.50	1.50	1.50	1.50
7	3	1	7	1	0.00	0.00	1.50	1.50	1.50	1.50	8	2	11	2	3	0.00	0.00	1.50	1.50	1.50	1.50
9	11	12	3	10	0.00	0.00	1.50	1.50	1.50	1.50	10	13	14	4	5	0.00	0.00	1.50	1.50	1.50	1.50
11	14	15	5	6	0.00	0.00	1.50	1.50	1.50	1.50	12	12	13	10	4	0.00	0.00	1.50	1.50	1.50	1.50
13	8	16	8	18	0.00	0.00	1.50	1.50	1.50	1.50	14	8	124	8	20	0.00	0.00	1.50	1.50	1.50	1.50
15	4	71	13	16	0.00	0.00	1.50	1.50	1.50	1.50	16	6	89	12	22	0.00	0.00	1.50	1.50	1.50	1.50
17	7	156	14	24	0.00	0.00	1.50	1.50	1.50	1.50	18	10	189	9	21	0.00	0.00	1.50	1.50	1.50	1.50
19	19	107	22	23	0.00	0.00	1.50	1.50	1.50	1.50	20	22	150	23	14	0.00	0.00	1.50	1.50	1.50	1.50
21	20	172	24	25	0.00	0.00	1.50	1.50	1.50	1.50	22	23	199	25	15	0.00	0.00	1.50	1.50	1.50	1.50
23	16	157	18	19	0.00	0.00	1.50	1.50	1.50	1.50	24	24	10	19	9	0.00	0.00	1.50	1.50	1.50	1.50
25	17	12	20	10	0.00	0.00	1.50	1.50	1.50	1.50	26	21	15	21	6	0.00	0.00	1.50	1.50	1.50	1.50
27	18	92	16	17	0.00	0.00	1.50	1.50	1.50	1.50	28	25	8	17	8	0.00	0.00	1.50	1.50	1.50	1.50
29	26	1	1	1	0.00	5.25	1.50	1.50	1.50	1.50	30	27	2	2	2	0.00	5.25	1.50	1.50	1.50	1.50
31	28	11	3	3	0.00	5.25	1.50	1.50	1.50	1.50	32	29	13	4	4	0.00	5.25	1.50	1.50	1.50	1.50

STAMPA PROGETTO S.L.U. - AZIONI S.L.V. - FATTORI DI COMPORTAMENTO DEGLI ELEMENTI

IDENTIFICATIVO							DIREZIONE X		DIREZIONE Y		IDENTIFICATIVO							DIREZIONE X		DIREZIONE Y	
Asta 3D	Nodo In.	Nodo Fin.	Filo Iniz	Filo Fin.	QuoIn (m)	QuoFi (m)	Fattore 'q' Tagl.	Fless	Fattore 'q' Tagl.	Fless.	Asta 3D	Nodo In.	Nodo Fin.	Filo Iniz	Filo Fin.	QuoIn (m)	QuoFi (m)	Fattore 'q' Tagl.	Fless	Fattore 'q' Tagl.	Fless.
33	30	14	5	5	0.00	5.25	1.50	1.50	1.50	1.50	34	31	15	6	6	0.00	5.25	1.50	1.50	1.50	1.50
35	32	3	7	7	0.00	5.25	1.50	1.50	1.50	1.50	36	26	347	1	2	5.25	5.25	1.50	1.50	1.50	1.50
37	27	353	2	3	5.25	5.25	1.50	1.50	1.50	1.50	38	28	357	3	10	5.25	5.25	1.50	1.50	1.50	1.50
39	29	363	4	5	5.25	5.25	1.50	1.50	1.50	1.50	40	30	369	5	6	5.25	5.25	1.50	1.50	1.50	1.50
41	44	359	10	4	5.25	5.25	1.50	1.50	1.50	1.50	42	27	45	2	16	5.25	5.25	1.50	1.50	1.50	1.50
43	28	46	3	17	5.25	5.25	1.50	1.50	1.50	1.50	44	29	47	4	18	5.25	5.25	1.50	1.50	1.50	1.50
45	30	48	5	19	5.25	5.25	1.50	1.50	1.50	1.50	46	31	49	6	21	5.25	5.25	1.50	1.50	1.50	1.50
47	45	40	16	22	5.25	5.25	1.50	1.50	1.50	1.50	48	46	42	17	23	5.25	5.25	1.50	1.50	1.50	1.50
49	47	41	18	24	5.25	5.25	1.50	1.50	1.50	1.50	50	48	43	19	25	5.25	5.25	1.50	1.50	1.50	1.50
51	39	243	9	15	5.25	5.25	1.50	1.50	1.50	1.50	52	49	39	21	9	5.25	5.25	1.50	1.50	1.50	1.50
53	39	36	9	8	5.25	5.25	1.50	1.50	1.50	1.50	54	36	37	8	13	5.25	5.25	1.50	1.50	1.50	1.50
55	26	32	1	7	5.25	5.25	1.50	1.50	1.50	1.50	56	32	33	7	11	5.25	5.25	1.50	1.50	1.50	1.50
57	37	32	13	7	5.25	5.25	1.50	1.50	1.50	1.50	58	65	45	16	16	5.25	6.60	1.50	1.50	1.50	1.50
59	66	46	17	17	5.25	6.60	1.50	1.50	1.50	1.50	60	67	47	18	18	5.25	6.60	1.50	1.50	1.50	1.50
61	68	48	19	19	5.25	6.60	1.50	1.50	1.50	1.50	62	69	49	21	21	5.25	6.60	1.50	1.50	1.50	1.50
63	65	66	16	17	6.60	6.60	1.50	1.50	1.50	1.50	64	66	67	17	18	6.60	6.60	1.50	1.50	1.50	1.50
65	67	68	18	19	6.60	6.60	1.50	1.50	1.50	1.50	66	68	69	19	21	6.60	6.60	1.50	1.50	1.50	1.50
67	70	33	26	11	6.60	5.25	1.50	1.50	1.50	1.50	68	70	26	26	1	6.60	5.25	1.50	1.50	1.50	1.50
69	70	65	26	16	6.60	6.60	1.50	1.50	1.50	1.50	70	200	3	11	7	0.00	0.00	1.50	1.50	1.50	1.50
71	146	8	14	8	0.00	0.00	1.50	1.50	1.50	1.50	72	193	10	15	9	0.00	0.00	1.50	1.50	1.50	1.50
73	124	120	8	20	0.00	0.00	1.50	1.50	1.50	1.50	74	120	116	8	20	0.00	0.00	1.50	1.50	1.50	1.50
75	116	17	8	20	0.00	0.00	1.50	1.50	1.50	1.50	76	71	72	13	16	0.00	0.00	1.50	1.50	1.50	1.50
77	72	73	13	16	0.00	0.00	1.50	1.50	1.50	1.50	78	73	18	13	16	0.00	0.00	1.50	1.50	1.50	1.50
79	89	90	12	22	0.00	0.00	1.50	1.50	1.50	1.50	80	90	91	12	22	0.00	0.00	1.50	1.50	1.50	1.50
81	91	19	12	22	0.00	0.00	1.50	1.50	1.50	1.50	82	156	20	14	24	0.00	0.00	1.50	1.50	1.50	1.50
83	189	185	9	21	0.00	0.00	1.50	1.50	1.50	1.50	84	185	181	9	21	0.00	0.00	1.50	1.50	1.50	1.50
85	181	21	9	21	0.00	0.00	1.50	1.50	1.50	1.50	86	107	108	22	23	0.00	0.00	1.50	1.50	1.50	1.50
87	108	109	22	23	0.00	0.00	1.50	1.50	1.50	1.50	88	109	22	22	23	0.00	0.00	1.50	1.50	1.50	1.50

STAMPA PROGETTO S.L.U. - AZIONI S.L.V. - FATTORI DI COMPORTAMENTO DEGLI ELEMENTI

IDENTIFICATIVO							DIREZIONE X		DIREZIONE Y	
Asta 3D	Nodo In.	Nodo Fin.	Filo Iniz	Filo Fin.	QuoIn (m)	QuoFi (m)	Fattore 'q' Tagl.	Fattore 'q' Fless	Fattore 'q' Tagl.	Fattore 'q' Fless.
89	150	7	23	14	0.00	0.00	1.50	1.50	1.50	1.50
91	173	174	24	25	0.00	0.00	1.50	1.50	1.50	1.50
93	199	197	25	15	0.00	0.00	1.50	1.50	1.50	1.50
95	195	9	25	15	0.00	0.00	1.50	1.50	1.50	1.50
97	158	159	18	19	0.00	0.00	1.50	1.50	1.50	1.50
99	92	93	16	17	0.00	0.00	1.50	1.50	1.50	1.50
101	94	25	16	17	0.00	0.00	1.50	1.50	1.50	1.50
103	348	349	1	2	5.25	5.25	1.50	1.50	1.50	1.50
105	353	354	2	3	5.25	5.25	1.50	1.50	1.50	1.50
107	355	28	2	3	5.25	5.25	1.50	1.50	1.50	1.50
109	363	364	4	5	5.25	5.25	1.50	1.50	1.50	1.50
111	365	30	4	5	5.25	5.25	1.50	1.50	1.50	1.50
113	370	371	5	6	5.25	5.25	1.50	1.50	1.50	1.50
115	359	29	10	4	5.25	5.25	1.50	1.50	1.50	1.50

IDENTIFICATIVO							DIREZIONE X		DIREZIONE Y	
Asta 3D	Nodo In.	Nodo Fin.	Filo Iniz	Filo Fin.	QuoIn (m)	QuoFi (m)	Fattore 'q' Tagl.	Fattore 'q' Fless	Fattore 'q' Tagl.	Fattore 'q' Fless.
90	172	173	24	25	0.00	0.00	1.50	1.50	1.50	1.50
92	174	23	24	25	0.00	0.00	1.50	1.50	1.50	1.50
94	197	195	25	15	0.00	0.00	1.50	1.50	1.50	1.50
96	157	158	18	19	0.00	0.00	1.50	1.50	1.50	1.50
98	159	24	18	19	0.00	0.00	1.50	1.50	1.50	1.50
100	93	94	16	17	0.00	0.00	1.50	1.50	1.50	1.50
102	347	348	1	2	5.25	5.25	1.50	1.50	1.50	1.50
104	349	27	1	2	5.25	5.25	1.50	1.50	1.50	1.50
106	354	355	2	3	5.25	5.25	1.50	1.50	1.50	1.50
108	357	44	3	10	5.25	5.25	1.50	1.50	1.50	1.50
110	364	365	4	5	5.25	5.25	1.50	1.50	1.50	1.50
112	369	370	5	6	5.25	5.25	1.50	1.50	1.50	1.50
114	371	31	5	6	5.25	5.25	1.50	1.50	1.50	1.50
116	243	38	9	15	5.25	5.25	1.50	1.50	1.50	1.50

STAMPA VERIFICHE S.L.E. FONDAZIONE

			FESSURAZIONE								FRECCE		TENSIONI							
Filo In fi	Quota In Fi	Tratto	Combi Caric	Fessu. mm lim	cal	dist mm	Con cio	Com bin	Mf X (t*m)	Mf Y (t*m)	N (t)	Frecce mm limite	calc	Com bin	Combinaz Carico	σ lim. Kg/cmq	σ cal. Kg/cmq	Conc	Comb	Mf X (t*m)	Mf Y (t*m)	N (t)
1	0.00		Rara												Rara cls	150.0	28.6	5	1	3.9	0.0	0.0
2	0.00		Freq	0.4	0.000	0	5	1	2.8	0.0	0.0				Rara fer	3600	1145	5	1	3.9	0.0	0.0
			Perm	0.3	0.000	0	5	1	2.8	0.0	0.0				Perm cls	112.0	20.6	5	1	2.8	0.0	0.0
7	0.00		Rara												Rara cls	150.0	13.1	5	1	2.0	0.0	0.0
13	0.00		Freq	0.4	0.000	0	5	1	1.9	0.0	0.0				Rara fer	3600	597	5	1	2.0	0.0	0.0
			Perm	0.3	0.000	0	5	1	1.9	0.0	0.0				Perm cls	112.0	12.2	5	1	1.9	0.0	0.0
11	0.00		Rara												Rara cls	150.0	25.9	1	1	-4.1	0.0	0.0
12	0.00		Freq	0.4	0.000	0	1	1	-3.3	0.0	0.0				Rara fer	3600	1190	1	1	-4.1	0.0	0.0
			Perm	0.3	0.000	0	1	1	-3.3	0.0	0.0				Perm cls	112.0	21.1	1	1	-3.3	0.0	0.0
11	0.00	1	Rara												Rara cls	150.0	13.0	4	1	-2.9	0.0	0.0
7	0.00	/	Freq	0.4	0.000	0	4	1	-2.3	0.0	0.0				Rara fer	3600	567	4	1	-2.9	0.0	0.0
		2	Perm	0.3	0.000	0	4	1	-2.3	0.0	0.0				Perm cls	112.0	10.3	4	1	-2.3	0.0	0.0
14	0.00	1	Rara												Rara cls	150.0	12.7	1	1	1.0	0.0	0.0
8	0.00	/	Freq	0.4	0.000	0	1	1	0.9	0.0	0.0				Rara fer	3600	580	1	1	1.0	0.0	0.0
		2	Perm	0.3	0.000	0	5	1	0.9	0.0	0.0				Perm cls	112.0	11.1	5	1	0.9	0.0	0.0
15	0.00	1	Rara												Rara cls	150.0	12.7	1	1	1.7	0.0	0.0

STAMPA VERIFICHE S.L.E. FONDAZIONE

			FESSURAZIONE									FRECCE		TENSIONI							
Filo In fi	Quota In Fi	Tratto	Combi Caric	Fessu. mm lim	cal	dist mm	Concio	Combin	Mf X (t*m)	Mf Y (t*m)	N (t)	Frecce mm limite	calc	Combin	Combinaz Carico	σ lim. Kg/cmq	σ cal. Kg/cmq	Conc	Comb	Mf X (t*m)	Mf Y (t*m)	N (t)
9	0.00	/	Freq	0.4	0.000	0	1	1	1.5	0.0	0.0				Rara fer	3600	506	1	1	1.7	0.0	0.0
		2	Perm	0.3	0.000	0	1	1	1.5	0.0	0.0				Perm cls	112.0	11.1	1	1	1.5	0.0	0.0
7	0.00		Rara												Rara cls	150.0	21.8	2	1	-3.0	0.0	0.0
1	0.00		Freq	0.4	0.000	0	3	1	-2.0	0.0	0.0				Rara fer	3600	871	2	1	-3.0	0.0	0.0
			Perm	0.3	0.000	0	3	1	-2.0	0.0	0.0				Perm cls	112.0	14.7	3	1	-2.0	0.0	0.0
2	0.00		Rara												Rara cls	150.0	29.9	1	1	4.1	0.0	0.0
3	0.00		Freq	0.4	0.000	0	1	1	2.9	0.0	0.0				Rara fer	3600	1201	1	1	4.1	0.0	0.0
			Perm	0.3	0.000	0	1	1	2.9	0.0	0.0				Perm cls	112.0	21.6	1	1	2.9	0.0	0.0
3	0.00		Rara												Rara cls	150.0	23.7	5	1	-3.2	0.0	0.0
10	0.00		Freq	0.4	0.000	0	5	1	-2.4	0.0	0.0				Rara fer	3600	946	5	1	-3.2	0.0	0.0
			Perm	0.3	0.000	0	5	1	-2.4	0.0	0.0				Perm cls	112.0	17.4	5	1	-2.4	0.0	0.0
4	0.00		Rara												Rara cls	150.0	29.6	5	1	4.0	0.0	0.0
5	0.00		Freq	0.4	0.000	0	5	1	2.9	0.0	0.0				Rara fer	3600	1186	5	1	4.0	0.0	0.0
			Perm	0.3	0.000	0	5	1	2.9	0.0	0.0				Perm cls	112.0	21.5	5	1	2.9	0.0	0.0
5	0.00		Rara												Rara cls	150.0	31.5	1	1	4.3	0.0	0.0
6	0.00		Freq	0.4	0.000	0	1	1	3.1	0.0	0.0				Rara fer	3600	1265	1	1	4.3	0.0	0.0
			Perm	0.3	0.000	0	1	1	3.1	0.0	0.0				Perm cls	112.0	22.8	1	1	3.1	0.0	0.0
10	0.00		Rara												Rara cls	150.0	23.5	1	1	-3.2	0.0	0.0
4	0.00		Freq	0.4	0.000	0	1	1	-2.3	0.0	0.0				Rara fer	3600	941	1	1	-3.2	0.0	0.0
			Perm	0.3	0.000	0	1	1	-2.4	0.0	0.0				Perm cls	112.0	17.3	1	1	-2.4	0.0	0.0
8	0.00		Rara												Rara cls	150.0	34.4	1	1	5.4	0.0	0.0
18	0.00		Freq	0.4	0.000	0	1	1	4.4	0.0	0.0				Rara fer	3600	1591	1	1	5.4	0.0	0.0
			Perm	0.3	0.000	0	1	1	4.5	0.0	0.0				Perm cls	112.0	28.6	1	1	4.5	0.0	0.0
8	0.00	1	Rara												Rara cls	150.0	15.3	1	1	-1.7	0.0	0.0
20	0.00	/	Freq	0.4	0.000	0	1	1	-0.9	0.0	0.0				Rara fer	3600	497	1	1	-1.7	0.0	0.0
		4	Perm	0.3	0.000	0	1	1	-1.0	0.0	0.0				Perm cls	112.0	8.9	1	1	-1.0	0.0	0.0
13	0.00	1	Rara												Rara cls	150.0	14.5	1	1	2.3	0.0	0.0
16	0.00	/	Freq	0.4	0.000	0	1	1	2.0	0.0	0.0				Rara fer	3600	661	1	1	2.3	0.0	0.0
		4	Perm	0.3	0.000	0	1	1	2.0	0.0	0.0				Perm cls	112.0	13.1	1	1	2.0	0.0	0.0
12	0.00	1	Rara												Rara cls	150.0	5.4	1	1	0.8	0.0	0.0
22	0.00	/	Freq	0.4	0.000	0	1	1	0.7	0.0	0.0				Rara fer	3600	247	1	1	0.8	0.0	0.0
		4	Perm	0.3	0.000	0	1	1	0.7	0.0	0.0				Perm cls	112.0	4.6	1	1	0.7	0.0	0.0
14	0.00	1	Rara												Rara cls	150.0	5.6	1	1	0.9	0.0	0.0
24	0.00	/	Freq	0.4	0.000	0	1	1	0.8	0.0	0.0				Rara fer	3600	256	1	1	0.9	0.0	0.0
		2	Perm	0.3	0.000	0	1	1	0.8	0.0	0.0				Perm cls	112.0	4.9	1	1	0.8	0.0	0.0
9	0.00	1	Rara												Rara cls	150.0	2.6	1	1	-0.4	0.0	0.0
21	0.00	/	Freq	0.4	0.000	0	5	1	0.8	0.0	0.0				Rara fer	3600	95	1	1	-0.4	0.0	0.0
		4	Perm	0.3	0.000	0	5	1	0.6	0.0	0.0				Perm cls	112.0	4.1	5	1	0.6	0.0	0.0
22	0.00	1	Rara												Rara cls	150.0	4.3	5	1	0.7	0.0	0.0
23	0.00	/	Freq	0.4	0.000	0	5	1	0.6	0.0	0.0				Rara fer	3600	195	5	1	0.7	0.0	0.0
		4	Perm	0.3	0.000	0	5	1	0.6	0.0	0.0				Perm cls	112.0	3.8	5	1	0.6	0.0	0.0

STAMPA VERIFICHE S.L.E. FONDAZIONE

			FESSURAZIONE									FRECCE		TENSIONI							
Filo In fi	Quota In Fi	Tratto	Combi Caric	Fessu. mm lim	cal	dist mm	Concio	Combin	Mf X (t*m)	Mf Y (t*m)	N (t)	Frecce mm limite	calc	Combin	Combinaz Carico	σ lim. Kg/cmq	σ cal. Kg/cmq	Conc	Comb	Mf X (t*m)	Mf Y (t*m)	N (t)
23	0.00	1	Rara												Rara cls	150.0	6.0	1	1	0.9	0.0	0.0
14	0.00	/	Freq	0.4	0.000	0	1	1	0.8	0.0	0.0				Rara fer	3600	274	1	1	0.9	0.0	0.0
		2	Perm	0.3	0.000	0	1	1	0.8	0.0	0.0				Perm cls	112.0	5.2	1	1	0.8	0.0	0.0
24	0.00	1	Rara												Rara cls	150.0	4.4	1	1	0.7	0.0	0.0
25	0.00	/	Freq	0.4	0.000	0	1	1	0.6	0.0	0.0				Rara fer	3600	198	1	1	0.7	0.0	0.0
		4	Perm	0.3	0.000	0	1	1	0.6	0.0	0.0				Perm cls	112.0	3.6	1	1	0.6	0.0	0.0
25	0.00	1	Rara												Rara cls	150.0	8.4	1	1	1.3	0.0	0.0
15	0.00	/	Freq	0.4	0.000	0	1	1	1.2	0.0	0.0				Rara fer	3600	384	1	1	1.3	0.0	0.0
		4	Perm	0.3	0.000	0	1	1	1.2	0.0	0.0				Perm cls	112.0	7.4	1	1	1.2	0.0	0.0
18	0.00	1	Rara												Rara cls	150.0	3.6	3	1	-0.6	0.0	0.0
19	0.00	/	Freq	0.4	0.000	0	3	1	-0.4	0.0	0.0				Rara fer	3600	163	3	1	-0.6	0.0	0.0
		4	Perm	0.3	0.000	0	3	1	-0.4	0.0	0.0				Perm cls	112.0	2.8	3	1	-0.4	0.0	0.0
19	0.00		Rara												Rara cls	150.0	25.3	3	1	-4.0	0.0	0.0
9	0.00		Freq	0.4	0.000	0	3	1	-3.6	0.0	0.0				Rara fer	3600	1161	3	1	-4.0	0.0	0.0
			Perm	0.3	0.000	0	3	1	-3.5	0.0	0.0				Perm cls	112.0	22.6	3	1	-3.5	0.0	0.0
20	0.00		Rara												Rara cls	150.0	27.2	3	1	-2.5	0.0	0.0
10	0.00		Freq	0.4	0.000	0	2	1	-1.8	0.0	0.0				Rara fer	3600	1003	3	1	-2.5	0.0	0.0
			Perm	0.3	0.000	0	2	1	-1.9	0.0	0.0				Perm cls	112.0	19.9	3	1	-1.8	0.0	0.0
21	0.00		Rara												Rara cls	150.0	23.6	3	1	-3.2	0.0	0.0
6	0.00		Freq	0.4	0.000	0	2	1	-2.5	0.0	0.0				Rara fer	3600	942	3	1	-3.2	0.0	0.0
			Perm	0.3	0.000	0	2	1	-2.5	0.0	0.0				Perm cls	112.0	18.5	3	1	-2.5	0.0	0.0
16	0.00	1	Rara												Rara cls	150.0	8.1	3	1	-1.3	0.0	0.0
17	0.00	/	Freq	0.4	0.000	0	3	1	-1.0	0.0	0.0				Rara fer	3600	370	3	1	-1.3	0.0	0.0
		4	Perm	0.3	0.000	0	3	1	-1.0	0.0	0.0				Perm cls	112.0	6.4	3	1	-1.0	0.0	0.0
17	0.00		Rara												Rara cls	150.0	32.7	5	1	5.2	0.0	0.0
8	0.00		Freq	0.4	0.000	0	5	1	4.2	0.0	0.0				Rara fer	3600	1509	5	1	5.2	0.0	0.0
			Perm	0.3	0.000	0	5	1	4.3	0.0	0.0				Perm cls	112.0	27.1	5	1	4.3	0.0	0.0
11	0.00	2	Rara												Rara cls	150.0	11.5	2	1	-2.6	0.0	0.0
7	0.00	/	Freq	0.4	0.000	0	2	1	-1.9	0.0	0.0				Rara fer	3600	502	2	1	-2.6	0.0	0.0
		2	Perm	0.3	0.000	0	2	1	-1.9	0.0	0.0				Perm cls	112.0	8.7	2	1	-1.9	0.0	0.0
14	0.00	2	Rara												Rara cls	150.0	16.7	1	1	1.3	0.0	0.0
8	0.00	/	Freq	0.4	0.000	0	1	1	1.0	0.0	0.0				Rara fer	3600	762	1	1	1.3	0.0	0.0
		2	Perm	0.3	0.000	0	1	1	1.0	0.0	0.0				Perm cls	112.0	13.4	1	1	1.0	0.0	0.0
15	0.00	2	Rara												Rara cls	150.0	9.8	1	1	1.3	0.0	0.0
9	0.00	/	Freq	0.4	0.000	0	1	1	1.2	0.0	0.0				Rara fer	3600	389	1	1	1.3	0.0	0.0
		2	Perm	0.3	0.000	0	1	1	1.2	0.0	0.0				Perm cls	112.0	8.7	1	1	1.2	0.0	0.0
8	0.00	2	Rara												Rara cls	150.0	18.4	2	1	-2.0	0.0	0.0
20	0.00	/	Freq	0.4	0.000	0	2	1	-1.1	0.0	0.0				Rara fer	3600	598	2	1	-2.0	0.0	0.0
		4	Perm	0.3	0.000	0	2	1	-1.2	0.0	0.0				Perm cls	112.0	11.2	2	1	-1.2	0.0	0.0
8	0.00	3	Rara												Rara cls	150.0	18.2	2	1	-2.0	0.0	0.0

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			FESSURAZIONE									FRECCE		TENSIONI							
Filo In fi	Quota In Fi	Tratto	Combi Caric	Fessu. mm lim	cal	dist mm	Concio	Combin	Mf X (t*m)	Mf Y (t*m)	N (t)	Frecce mm limite	calc	Combin	Combinaz Carico	σ lim. Kg/cmq	σ cal. Kg/cmq	Conc	Comb	Mf X (t*m)	Mf Y (t*m)	N (t)
20	0.00	/	Freq	0.4	0.000	0	2	1	-1.1	0.0	0.0				Rara fer	3600	593	2	1	-2.0	0.0	0.0
		4	Perm	0.3	0.000	0	2	1	-1.2	0.0	0.0				Perm cls	112.0	10.8	2	1	-1.2	0.0	0.0
8	0.00	4	Rara												Rara cls	150.0	17.4	2	1	-1.9	0.0	0.0
20	0.00	/	Freq	0.4	0.000	0	2	1	-1.0	0.0	0.0				Rara fer	3600	566	2	1	-1.9	0.0	0.0
		4	Perm	0.3	0.000	0	2	1	-1.1	0.0	0.0				Perm cls	112.0	9.9	2	1	-1.1	0.0	0.0
13	0.00	2	Rara												Rara cls	150.0	3.1	4	1	-0.5	0.0	0.0
16	0.00	/	Freq	0.4	0.000	0	1	1	0.5	0.0	0.0				Rara fer	3600	138	4	1	-0.5	0.0	0.0
		4	Perm	0.3	0.000	0	1	1	0.5	0.0	0.0				Perm cls	112.0	3.2	1	1	0.5	0.0	0.0
13	0.00	3	Rara												Rara cls	150.0	5.8	3	1	-0.9	0.0	0.0
16	0.00	/	Freq	0.4	0.000	0	3	1	-0.6	0.0	0.0				Rara fer	3600	262	3	1	-0.9	0.0	0.0
		4	Perm	0.3	0.000	0	3	1	-0.6	0.0	0.0				Perm cls	112.0	4.1	3	1	-0.6	0.0	0.0
13	0.00	4	Rara												Rara cls	150.0	6.7	3	1	-1.0	0.0	0.0
16	0.00	/	Freq	0.4	0.000	0	3	1	-0.7	0.0	0.0				Rara fer	3600	306	3	1	-1.0	0.0	0.0
		4	Perm	0.3	0.000	0	3	1	-0.8	0.0	0.0				Perm cls	112.0	5.0	3	1	-0.8	0.0	0.0
12	0.00	2	Rara												Rara cls	150.0	3.8	1	1	0.6	0.0	0.0
22	0.00	/	Freq	0.4	0.000	0	1	1	0.5	0.0	0.0				Rara fer	3600	172	1	1	0.6	0.0	0.0
		4	Perm	0.3	0.000	0	1	1	0.5	0.0	0.0				Perm cls	112.0	3.2	1	1	0.5	0.0	0.0
12	0.00	3	Rara												Rara cls	150.0	3.2	5	1	0.5	0.0	0.0
22	0.00	/	Freq	0.4	0.000	0	5	1	0.4	0.0	0.0				Rara fer	3600	144	5	1	0.5	0.0	0.0
		4	Perm	0.3	0.000	0	5	1	0.4	0.0	0.0				Perm cls	112.0	2.8	5	1	0.4	0.0	0.0
12	0.00	4	Rara												Rara cls	150.0	3.9	5	1	0.6	0.0	0.0
22	0.00	/	Freq	0.4	0.000	0	5	1	0.5	0.0	0.0				Rara fer	3600	177	5	1	0.6	0.0	0.0
		4	Perm	0.3	0.000	0	5	1	0.5	0.0	0.0				Perm cls	112.0	3.3	5	1	0.5	0.0	0.0
14	0.00	2	Rara												Rara cls	150.0	7.9	5	1	1.2	0.0	0.0
24	0.00	/	Freq	0.4	0.000	0	5	1	1.1	0.0	0.0				Rara fer	3600	360	5	1	1.2	0.0	0.0
		2	Perm	0.3	0.000	0	5	1	1.1	0.0	0.0				Perm cls	112.0	6.9	5	1	1.1	0.0	0.0
9	0.00	2	Rara												Rara cls	150.0	8.2	1	1	-1.2	0.0	0.0
21	0.00	/	Freq	0.4	0.000	0	1	1	-0.5	0.0	0.0				Rara fer	3600	296	1	1	-1.2	0.0	0.0
		4	Perm	0.3	0.000	0	1	1	-0.6	0.0	0.0				Perm cls	112.0	3.8	1	1	-0.6	0.0	0.0
9	0.00	3	Rara												Rara cls	150.0	13.2	1	1	-2.0	0.0	0.0
21	0.00	/	Freq	0.4	0.000	0	1	1	-1.2	0.0	0.0				Rara fer	3600	475	1	1	-2.0	0.0	0.0
		4	Perm	0.3	0.000	0	1	1	-1.3	0.0	0.0				Perm cls	112.0	8.3	1	1	-1.3	0.0	0.0
9	0.00	4	Rara												Rara cls	150.0	14.4	1	1	-2.2	0.0	0.0
21	0.00	/	Freq	0.4	0.000	0	1	1	-1.4	0.0	0.0				Rara fer	3600	521	1	1	-2.2	0.0	0.0
		4	Perm	0.3	0.000	0	1	1	-1.4	0.0	0.0				Perm cls	112.0	9.5	1	1	-1.4	0.0	0.0
22	0.00	2	Rara												Rara cls	150.0	4.3	1	1	0.7	0.0	0.0
23	0.00	/	Freq	0.4	0.000	0	1	1	0.6	0.0	0.0				Rara fer	3600	195	1	1	0.7	0.0	0.0
		4	Perm	0.3	0.000	0	1	1	0.6	0.0	0.0				Perm cls	112.0	3.7	1	1	0.6	0.0	0.0
22	0.00	3	Rara												Rara cls	150.0	4.3	1	1	0.7	0.0	0.0
23	0.00	/	Freq	0.4	0.000	0	1	1	0.6	0.0	0.0				Rara fer	3600	196	1	1	0.7	0.0	0.0
		4	Perm	0.3	0.000	0	1	1	0.6	0.0	0.0				Perm cls	112.0	3.7	1	1	0.6	0.0	0.0

STAMPA VERIFICHE S.L.E. FONDAZIONE

			FESSURAZIONE									FRECCE		TENSIONI							
Filo In fi	Quota In Fi	Tratto	Combi Caric	Fessu. mm lim	cal	dist mm	Concio	Combin	Mf X (t*m)	Mf Y (t*m)	N (t)	Frecce mm limite	calc	Combin	Combinaz Carico	σ lim. Kg/cmq	σ cal. Kg/cmq	Conc	Comb	Mf X (t*m)	Mf Y (t*m)	N (t)
22	0.00	4	Rara												Rara cls	150.0	4.3	5	1	0.7	0.0	0.0
23	0.00	/	Freq	0.4	0.000	0	5	1	0.6	0.0	0.0				Rara fer	3600	197	5	1	0.7	0.0	0.0
		4	Perm	0.3	0.000	0	5	1	0.6	0.0	0.0				Perm cls	112.0	3.7	5	1	0.6	0.0	0.0
23	0.00	2	Rara												Rara cls	150.0	3.5	1	1	0.5	0.0	0.0
14	0.00	/	Freq	0.4	0.000	0	1	1	0.5	0.0	0.0				Rara fer	3600	159	1	1	0.5	0.0	0.0
		2	Perm	0.3	0.000	0	5	1	0.5	0.0	0.0				Perm cls	112.0	3.0	5	1	0.5	0.0	0.0
24	0.00	2	Rara												Rara cls	150.0	4.3	5	1	0.7	0.0	0.0
25	0.00	/	Freq	0.4	0.000	0	5	1	0.6	0.0	0.0				Rara fer	3600	193	5	1	0.7	0.0	0.0
		4	Perm	0.3	0.000	0	5	1	0.6	0.0	0.0				Perm cls	112.0	3.7	5	1	0.6	0.0	0.0
24	0.00	3	Rara												Rara cls	150.0	4.4	1	1	0.7	0.0	0.0
25	0.00	/	Freq	0.4	0.000	0	1	1	0.6	0.0	0.0				Rara fer	3600	200	1	1	0.7	0.0	0.0
		4	Perm	0.3	0.000	0	1	1	0.6	0.0	0.0				Perm cls	112.0	3.8	1	1	0.6	0.0	0.0
24	0.00	4	Rara												Rara cls	150.0	4.3	1	1	0.7	0.0	0.0
25	0.00	/	Freq	0.4	0.000	0	1	1	0.6	0.0	0.0				Rara fer	3600	195	1	1	0.7	0.0	0.0
		4	Perm	0.3	0.000	0	1	1	0.6	0.0	0.0				Perm cls	112.0	3.7	1	1	0.6	0.0	0.0
25	0.00	2	Rara												Rara cls	150.0	5.4	1	1	0.8	0.0	0.0
15	0.00	/	Freq	0.4	0.000	0	5	1	0.8	0.0	0.0				Rara fer	3600	247	1	1	0.8	0.0	0.0
		4	Perm	0.3	0.000	0	5	1	0.8	0.0	0.0				Perm cls	112.0	4.8	5	1	0.8	0.0	0.0
25	0.00	3	Rara												Rara cls	150.0	6.0	1	1	0.9	0.0	0.0
15	0.00	/	Freq	0.4	0.000	0	1	1	0.8	0.0	0.0				Rara fer	3600	272	1	1	0.9	0.0	0.0
		4	Perm	0.3	0.000	0	1	1	0.8	0.0	0.0				Perm cls	112.0	5.2	1	1	0.8	0.0	0.0
25	0.00	4	Rara												Rara cls	150.0	9.9	4	1	-1.5	0.0	0.0
15	0.00	/	Freq	0.4	0.000	0	4	1	-1.3	0.0	0.0				Rara fer	3600	450	4	1	-1.5	0.0	0.0
		4	Perm	0.3	0.000	0	4	1	-1.3	0.0	0.0				Perm cls	112.0	8.5	4	1	-1.3	0.0	0.0
18	0.00	2	Rara												Rara cls	150.0	4.4	3	1	-0.7	0.0	0.0
19	0.00	/	Freq	0.4	0.000	0	3	1	-0.5	0.0	0.0				Rara fer	3600	198	3	1	-0.7	0.0	0.0
		4	Perm	0.3	0.000	0	3	1	-0.5	0.0	0.0				Perm cls	112.0	3.3	3	1	-0.5	0.0	0.0
18	0.00	3	Rara												Rara cls	150.0	4.2	3	1	-0.6	0.0	0.0
19	0.00	/	Freq	0.4	0.000	0	3	1	-0.4	0.0	0.0				Rara fer	3600	188	3	1	-0.6	0.0	0.0
		4	Perm	0.3	0.000	0	3	1	-0.5	0.0	0.0				Perm cls	112.0	3.1	3	1	-0.5	0.0	0.0
18	0.00	4	Rara												Rara cls	150.0	3.2	2	1	-0.5	0.0	0.0
19	0.00	/	Freq	0.4	0.000	0	2	1	-0.3	0.0	0.0				Rara fer	3600	143	2	1	-0.5	0.0	0.0
		4	Perm	0.3	0.000	0	2	1	-0.3	0.0	0.0				Perm cls	112.0	2.2	2	1	-0.3	0.0	0.0
16	0.00	2	Rara												Rara cls	150.0	7.7	3	1	-1.2	0.0	0.0
17	0.00	/	Freq	0.4	0.000	0	3	1	-0.9	0.0	0.0				Rara fer	3600	349	3	1	-1.2	0.0	0.0
		4	Perm	0.3	0.000	0	3	1	-0.9	0.0	0.0				Perm cls	112.0	6.1	3	1	-0.9	0.0	0.0
16	0.00	3	Rara												Rara cls	150.0	7.0	3	1	-1.1	0.0	0.0
17	0.00	/	Freq	0.4	0.000	0	3	1	-0.8	0.0	0.0				Rara fer	3600	317	3	1	-1.1	0.0	0.0
		4	Perm	0.3	0.000	0	3	1	-0.9	0.0	0.0				Perm cls	112.0	5.6	3	1	-0.9	0.0	0.0
16	0.00	4	Rara												Rara cls	150.0	5.1	2	1	-0.8	0.0	0.0

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			FESSURAZIONE									FRECCE			TENSIONI								
Filo In fi	Quota In Fi	Tratto	Combi Caric	Fessu. mm lim	cal	dist mm	Concio	Combin	Mf X (t*m)	Mf Y (t*m)	N (t)	Frecce mm limite	calc	Combin	Combinaz Carico	σ lim. Kg/cmq	σ cal. Kg/cmq	Conc	Comb	Mf X (t*m)	Mf Y (t*m)	N (t)
17	0.00	/	Freq	0.4	0.000	0	2	1	-0.6	0.0	0.0				Rara fer	3600	230	2	1	-0.8	0.0	0.0
		4	Perm	0.3	0.000	0	2	1	-0.6	0.0	0.0				Perm cls	112.0	4.1	2	1	-0.6	0.0	0.0

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			FESSURAZIONE									FRECCE			TENSIONI								
Filo In fi	Quota In Fi	Tratto	Combi Caric	Fessu. mm lim	cal	dist mm	Concio	Combin	Mf X (t*m)	Mf Y (t*m)	N (t)	Frecce mm limite	calc	Combin	Combinaz Carico	σ lim. Kg/cmq	σ cal. Kg/cmq	Conc	Comb	Mf X (t*m)	Mf Y (t*m)	N (t)
1	5.25	1	Rara												Rara cls	150.0	35.1	5	1	2.0	0.0	0.0
2	5.25	/	Freq	0.4	0.000	0	5	1	1.3	0.0	0.0				Rara fer	3600	1558	5	1	2.0	0.0	0.0
		4	Perm	0.3	0.000	0	5	1	1.3	0.0	0.0	1.8	0.1	1	Perm cls	112.0	22.5	5	1	1.3	0.0	0.0
2	5.25	1	Rara												Rara cls	150.0	29.0	1	1	-1.7	0.0	0.0
3	5.25	/	Freq	0.4	0.000	0	1	1	-1.2	0.0	0.0				Rara fer	3600	1282	1	1	-1.7	0.0	0.0
		4	Perm	0.3	0.000	0	1	1	-1.2	0.0	0.0	1.7	0.0	1	Perm cls	112.0	20.1	1	1	-1.2	0.0	0.0
3	5.25	1	Rara												Rara cls	150.0	21.2	1	1	-1.2	0.0	0.0
10	5.25	/	Freq	0.4	0.000	0	1	1	-0.9	0.0	0.0				Rara fer	3600	935	1	1	-1.2	0.0	0.0
		2	Perm	0.3	0.000	0	1	1	-0.9	0.0	0.0	1.6	0.0	1	Perm cls	112.0	15.6	1	1	-0.9	0.0	0.0
4	5.25	1	Rara												Rara cls	150.0	22.2	1	1	-1.3	0.0	0.0
5	5.25	/	Freq	0.4	0.000	0	1	1	-0.9	0.0	0.0				Rara fer	3600	978	1	1	-1.3	0.0	0.0
		4	Perm	0.3	0.000	0	1	1	-0.9	0.0	0.0	1.7	0.0	1	Perm cls	112.0	15.9	1	1	-0.9	0.0	0.0
5	5.25	1	Rara												Rara cls	150.0	16.8	1	1	-1.0	0.0	0.0
6	5.25	/	Freq	0.4	0.000	0	1	1	-0.8	0.0	0.0				Rara fer	3600	737	1	1	-1.0	0.0	0.0
		4	Perm	0.3	0.000	0	1	1	-0.8	0.0	0.0	1.7	0.0	1	Perm cls	112.0	13.0	1	1	-0.8	0.0	0.0
10	5.25	1	Rara												Rara cls	150.0	12.6	1	1	0.7	0.0	0.0
4	5.25	/	Freq	0.4	0.000	0	1	1	0.5	0.0	0.0				Rara fer	3600	551	1	1	0.7	0.0	0.0
		2	Perm	0.3	0.000	0	1	1	0.5	0.0	0.0	1.8	0.0	1	Perm cls	112.0	8.9	1	1	0.5	0.0	0.0
2	5.25		Rara												Rara cls	150.0	79.1	5	1	2.2	0.0	0.0
16	5.25		Freq	0.4	0.000	0	5	1	1.2	0.0	0.0				Rara fer	3600	2104	4	1	1.5	0.0	0.0
			Perm	0.3	0.000	0	5	1	1.2	0.0	0.0	4.6	0.3	1	Perm cls	112.0	45.1	5	1	1.2	0.0	0.0
3	5.25		Rara												Rara cls	150.0	93.3	5	1	2.6	0.0	0.0
17	5.25		Freq	0.4	0.000	0	5	1	1.5	0.0	0.0				Rara fer	3600	2448	5	1	2.6	0.0	0.0
			Perm	0.3	0.000	0	5	1	1.5	0.0	0.0	4.6	0.4	1	Perm cls	112.0	54.1	5	1	1.5	0.0	0.0
4	5.25		Rara												Rara cls	150.0	93.4	5	1	2.7	0.0	0.0
18	5.25		Freq	0.4	0.000	0	5	1	1.5	0.0	0.0				Rara fer	3600	2451	5	1	2.7	0.0	0.0
			Perm	0.3	0.000	0	5	1	1.5	0.0	0.0	4.6	0.4	1	Perm cls	112.0	54.1	5	1	1.5	0.0	0.0
5	5.25		Rara												Rara cls	150.0	88.8	5	1	2.5	0.0	0.0
19	5.25		Freq	0.4	0.000	0	5	1	1.4	0.0	0.0				Rara fer	3600	2321	5	1	2.5	0.0	0.0
			Perm	0.3	0.000	0	5	1	1.4	0.0	0.0	4.6	0.4	1	Perm cls	112.0	51.4	5	1	1.4	0.0	0.0
6	5.25		Rara												Rara cls	150.0	8.7	2	1	0.2	0.0	0.0
21	5.25		Freq	0.4	0.000	0	3	1	0.1	0.0	0.0				Rara fer	3600	270	2	1	0.2	0.0	0.0
			Perm	0.3	0.000	0	3	1	0.1	0.0	0.0	4.6	0.1	1	Perm cls	112.0	5.6	3	1	0.1	0.0	0.0
16	5.25		Rara												Rara cls	150.0	79.3	1	1	2.2	0.0	0.0
22	5.25		Freq	0.4	0.000	0	5	1	-1.5	0.0	0.0				Rara fer	3600	2056	1	1	2.2	0.0	0.0

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			FESSURAZIONE									FRECCE			TENSIONI							
Filo In fi	Quota In Fi	Tratto	Combi Caric	Fessu. mm lim	cal	dist mm	Concio	Combin	Mf X (t*m)	Mf Y (t*m)	N (t)	Frecce mm limite	calc	Combin	Combinaz Carico	σ lim. Kg/cmq	σ cal. Kg/cmq	Conc	Comb	Mf X (t*m)	Mf Y (t*m)	N (t)
			Perm	0.3	0.000	0	5	1	-1.5	0.0	0.0	5.0	0.0	1	Perm cls	112.0	49.0	5	1	-1.5	0.0	0.0
17	5.25		Rara												Rara cls	150.0	92.1	1	1	2.6	0.0	0.0
23	5.25		Freq	0.4	0.000	0	5	1	-1.7	0.0	0.0				Rara fer	3600	2415	1	1	2.6	0.0	0.0
			Perm	0.3	0.000	0	5	1	-1.7	0.0	0.0	5.0	0.1	1	Perm cls	112.0	55.3	5	1	-1.7	0.0	0.0
18	5.25		Rara												Rara cls	150.0	92.2	1	1	2.6	0.0	0.0
24	5.25		Freq	0.4	0.000	0	5	1	-1.7	0.0	0.0				Rara fer	3600	2418	1	1	2.6	0.0	0.0
			Perm	0.3	0.000	0	5	1	-1.7	0.0	0.0	5.0	0.1	1	Perm cls	112.0	56.2	5	1	-1.7	0.0	0.0
19	5.25		Rara												Rara cls	150.0	88.0	1	1	2.5	0.0	0.0
25	5.25		Freq	0.4	0.000	0	5	1	-1.7	0.0	0.0				Rara fer	3600	2298	1	1	2.5	0.0	0.0
			Perm	0.3	0.000	0	5	1	-1.7	0.0	0.0	5.0	0.0	1	Perm cls	112.0	54.8	5	1	-1.7	0.0	0.0
9	5.25	1	Rara												Rara cls	150.0	13.5	1	1	-0.3	0.0	0.0
15	5.25	/	Freq	0.4	0.000	0	1	1	-0.2	0.0	0.0				Rara fer	3600	414	1	1	-0.3	0.0	0.0
		2	Perm	0.3	0.000	0	1	1	-0.2	0.0	0.0	2.4	0.0	1	Perm cls	112.0	7.6	1	1	-0.2	0.0	0.0
21	5.25		Rara												Rara cls	150.0	26.0	5	1	-0.7	0.0	0.0
9	5.25		Freq	0.4	0.000	0	5	1	-0.4	0.0	0.0				Rara fer	3600	647	5	1	-0.7	0.0	0.0
			Perm	0.3	0.000	0	5	1	-0.4	0.0	0.0	0.1	0.0	1	Perm cls	112.0	14.5	5	1	-0.4	0.0	0.0
9	5.25		Rara												Rara cls	150.0	44.3	5	1	-3.1	0.0	0.0
8	5.25		Freq	0.4	0.000	0	5	1	-3.2	0.0	0.0				Rara fer	3600	1869	5	1	-3.1	0.0	0.0
			Perm	0.3	0.000	0	5	1	-3.2	0.0	0.0	19.1	4.6	1	Perm cls	112.0	46.3	5	1	-3.2	0.0	0.0
8	5.25		Rara												Rara cls	150.0	42.4	1	1	-2.9	0.0	0.0
13	5.25		Freq	0.4	0.000	0	1	1	-3.0	0.0	0.0				Rara fer	3600	1782	1	1	-2.9	0.0	0.0
			Perm	0.3	0.000	0	1	1	-3.0	0.0	0.0	17.5	2.2	1	Perm cls	112.0	43.6	1	1	-3.0	0.0	0.0
1	5.25		Rara												Rara cls	150.0	36.7	5	1	-3.1	0.0	0.0
7	5.25		Freq	0.4	0.000	0	5	1	-1.9	0.0	0.0				Rara fer	3600	1343	1	1	2.2	0.0	0.0
			Perm	0.3	0.000	0	5	1	-1.9	0.0	0.0	4.7	0.0	1	Perm cls	112.0	23.3	5	1	-1.9	0.0	0.0
7	5.25		Rara												Rara cls	150.0	30.4	1	1	-2.1	0.0	0.0
11	5.25		Freq	0.4	0.000	0	1	1	-1.4	0.0	0.0				Rara fer	3600	1265	1	1	-2.1	0.0	0.0
			Perm	0.3	0.000	0	1	1	-1.4	0.0	0.0	4.3	0.0	1	Perm cls	112.0	20.9	1	1	-1.4	0.0	0.0
13	5.25		Rara												Rara cls	150.0	24.8	1	1	-1.7	0.0	0.0
7	5.25		Freq	0.4	0.000	0	1	1	-1.5	0.0	0.0				Rara fer	3600	1029	1	1	-1.7	0.0	0.0
			Perm	0.3	0.000	0	1	1	-1.5	0.0	0.0	1.3	0.0	1	Perm cls	112.0	22.6	1	1	-1.5	0.0	0.0
1	5.25	2	Rara												Rara cls	150.0	37.1	2	1	2.2	0.0	0.0
2	5.25	/	Freq	0.4	0.000	0	2	1	1.4	0.0	0.0				Rara fer	3600	1651	2	1	2.2	0.0	0.0
		4	Perm	0.3	0.000	0	2	1	1.4	0.0	0.0	1.8	0.1	1	Perm cls	112.0	24.1	2	1	1.4	0.0	0.0
1	5.25	3	Rara												Rara cls	150.0	32.8	1	1	1.9	0.0	0.0
2	5.25	/	Freq	0.4	0.000	0	1	1	1.3	0.0	0.0				Rara fer	3600	1455	1	1	1.9	0.0	0.0
		4	Perm	0.3	0.000	0	1	1	1.3	0.0	0.0	1.8	0.0	1	Perm cls	112.0	22.1	1	1	1.3	0.0	0.0
1	5.25	4	Rara												Rara cls	150.0	35.1	5	1	-2.0	0.0	0.0
2	5.25	/	Freq	0.4	0.000	0	5	1	-1.4	0.0	0.0				Rara fer	3600	1560	5	1	-2.0	0.0	0.0
		4	Perm	0.3	0.000	0	5	1	-1.4	0.0	0.0	1.8	0.0	1	Perm cls	112.0	23.5	5	1	-1.4	0.0	0.0

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			FESSURAZIONE									FRECCE			TENSIONI							
Filo In fi	Quota In Fi	Tratto	Combi Caric	Fessu. mm lim	cal	dist mm	Concio	Combin	Mf X (t*m)	Mf Y (t*m)	N (t)	Frecce mm limite	calc	Combin	Combinaz Carico	σ lim. Kg/cmq	σ cal. Kg/cmq	Conc	Comb	Mf X (t*m)	Mf Y (t*m)	N (t)
2	5.25	2	Rara												Rara cls	150.0	7.7	5	1	0.4	0.0	0.0
3	5.25	/	Freq	0.4	0.000	0	5	1	0.3	0.0	0.0				Rara fer	3600	335	5	1	0.4	0.0	0.0
		4	Perm	0.3	0.000	0	5	1	0.3	0.0	0.0	1.7	0.0	1	Perm cls	112.0	5.9	5	1	0.3	0.0	0.0
2	5.25	3	Rara												Rara cls	150.0	7.7	1	1	0.4	0.0	0.0
3	5.25	/	Freq	0.4	0.000	0	1	1	0.3	0.0	0.0				Rara fer	3600	337	1	1	0.4	0.0	0.0
		4	Perm	0.3	0.000	0	1	1	0.3	0.0	0.0	1.7	0.0	1	Perm cls	112.0	5.9	1	1	0.3	0.0	0.0
2	5.25	4	Rara												Rara cls	150.0	27.2	5	1	-1.6	0.0	0.0
3	5.25	/	Freq	0.4	0.000	0	5	1	-1.1	0.0	0.0				Rara fer	3600	1203	5	1	-1.6	0.0	0.0
		4	Perm	0.3	0.000	0	5	1	-1.1	0.0	0.0	1.7	0.0	1	Perm cls	112.0	19.3	5	1	-1.1	0.0	0.0
3	5.25	2	Rara												Rara cls	150.0	12.5	5	1	0.7	0.0	0.0
10	5.25	/	Freq	0.4	0.000	0	5	1	0.5	0.0	0.0				Rara fer	3600	549	5	1	0.7	0.0	0.0
		2	Perm	0.3	0.000	0	5	1	0.5	0.0	0.0	1.6	0.0	1	Perm cls	112.0	8.9	5	1	0.5	0.0	0.0
4	5.25	2	Rara												Rara cls	150.0	12.8	5	1	0.7	0.0	0.0
5	5.25	/	Freq	0.4	0.000	0	5	1	0.5	0.0	0.0				Rara fer	3600	561	5	1	0.7	0.0	0.0
		4	Perm	0.3	0.000	0	5	1	0.5	0.0	0.0	1.7	0.0	1	Perm cls	112.0	8.9	5	1	0.5	0.0	0.0
4	5.25	3	Rara												Rara cls	150.0	12.8	1	1	0.7	0.0	0.0
5	5.25	/	Freq	0.4	0.000	0	1	1	0.5	0.0	0.0				Rara fer	3600	560	1	1	0.7	0.0	0.0
		4	Perm	0.3	0.000	0	1	1	0.5	0.0	0.0	1.7	0.0	1	Perm cls	112.0	8.9	1	1	0.5	0.0	0.0
4	5.25	4	Rara												Rara cls	150.0	23.6	5	1	-1.4	0.0	0.0
5	5.25	/	Freq	0.4	0.000	0	5	1	-1.0	0.0	0.0				Rara fer	3600	1040	5	1	-1.4	0.0	0.0
		4	Perm	0.3	0.000	0	5	1	-1.0	0.0	0.0	1.7	0.0	1	Perm cls	112.0	17.3	5	1	-1.0	0.0	0.0
5	5.25	2	Rara												Rara cls	150.0	25.8	5	1	1.5	0.0	0.0
6	5.25	/	Freq	0.4	0.000	0	5	1	1.1	0.0	0.0				Rara fer	3600	1139	5	1	1.5	0.0	0.0
		4	Perm	0.3	0.000	0	5	1	1.1	0.0	0.0	1.7	0.0	1	Perm cls	112.0	18.3	5	1	1.1	0.0	0.0
5	5.25	3	Rara												Rara cls	150.0	26.2	2	1	1.5	0.0	0.0
6	5.25	/	Freq	0.4	0.000	0	2	1	1.1	0.0	0.0				Rara fer	3600	1157	2	1	1.5	0.0	0.0
		4	Perm	0.3	0.000	0	2	1	1.1	0.0	0.0	1.7	0.0	1	Perm cls	112.0	18.7	2	1	1.1	0.0	0.0
5	5.25	4	Rara												Rara cls	150.0	20.9	1	1	1.2	0.0	0.0
6	5.25	/	Freq	0.4	0.000	0	1	1	0.9	0.0	0.0				Rara fer	3600	921	1	1	1.2	0.0	0.0
		4	Perm	0.3	0.000	0	1	1	0.9	0.0	0.0	1.7	0.0	1	Perm cls	112.0	15.4	1	1	0.9	0.0	0.0
10	5.25	2	Rara												Rara cls	150.0	25.0	5	1	-1.5	0.0	0.0
4	5.25	/	Freq	0.4	0.000	0	5	1	-1.0	0.0	0.0				Rara fer	3600	1105	5	1	-1.5	0.0	0.0
		2	Perm	0.3	0.000	0	5	1	-1.0	0.0	0.0	1.8	0.0	1	Perm cls	112.0	17.5	5	1	-1.0	0.0	0.0
9	5.25	2	Rara												Rara cls	150.0	3.0	1	1	-0.1	0.0	0.0
15	5.25	/	Freq	0.4	0.000	0	1	1	-0.1	0.0	0.0				Rara fer	3600	73	1	1	-0.1	0.0	0.0
		2	Perm	0.3	0.000	0	1	1	-0.1	0.0	0.0	2.4	0.0	1	Perm cls	112.0	2.1	1	1	-0.1	0.0	0.0

PILASTRI

			FESSURAZIONE									FRECCE			TENSIONI							
Filo In fi	Quota In Fi	Tratto	Combi Caric	Fessu. mm lim	cal	dist mm	Concio	Combin	Mf X (t*m)	Mf Y (t*m)	N (t)	Frecce mm limite	calc	Combin	Combinaz Carico	σ lim. Kg/cmq	σ cal. Kg/cmq	Conc	Comb	Mf X (t*m)	Mf Y (t*m)	N (t)
1	0.00		Rara												Rara cls	150.0	33.0	1	1	-0.7	0.7	-4.5

PILASTRI

			FESSURAZIONE								FRECCE		TENSIONI							
Filo In fi	Quota In Fi	Tratto	Combi Caric	Fessu. mm lim	cal	dist mm	Concio	Combin	Mf X (t*m)	Mf Y (t*m)	N (t)	Frecce mm limite	calc	Combin	Combinaz Carico	σ lim. Kg/cmq	σ cal. Kg/cmq	Conc	Comb	Mf X (t*m)	Mf Y (t*m)	N (t)
1	5.25		Freq	0.4	0.000	0	1	1	-0.4	0.4	-2.8				Rara fer	3600	305	1	1	-0.7	0.7	-4.5
			Perm	0.3	0.000	0	1	1	-0.4	0.4	-2.8				Perm cls	112.0	20.9	1	1	-0.4	0.4	-2.8
2	0.00		Rara												Rara cls	150.0	16.0	1	1	0.5	-0.3	-9.4
2	5.25		Freq	0.4	0.000	0	1	1	0.2	-0.2	-6.3				Rara fer	3600	118	1	1	0.5	-0.3	-9.4
			Perm	0.3	0.000	0	1	1	0.2	-0.2	-6.3				Perm cls	112.0	9.7	5	1	0.2	0.1	-7.9
3	0.00		Rara												Rara cls	150.0	20.3	1	1	0.8	-0.1	-8.3
3	5.25		Freq	0.4	0.000	0	1	1	0.4	-0.1	-5.7				Rara fer	3600	143	1	1	0.8	-0.1	-8.3
			Perm	0.3	0.000	0	1	1	0.4	-0.1	-5.7				Perm cls	112.0	11.1	1	1	0.4	-0.1	-5.7
4	0.00		Rara												Rara cls	150.0	18.6	1	1	0.8	0.0	-8.4
4	5.25		Freq	0.4	0.000	0	1	1	0.4	0.0	-5.7				Rara fer	3600	132	1	1	0.8	0.0	-8.4
			Perm	0.3	0.000	0	1	1	0.4	0.0	-5.7				Perm cls	112.0	10.1	1	1	0.4	0.0	-5.7
5	0.00		Rara												Rara cls	150.0	18.4	1	1	0.6	-0.3	-8.7
5	5.25		Freq	0.4	0.000	0	1	1	0.3	-0.2	-6.0				Rara fer	3600	133	1	1	0.6	-0.3	-8.7
			Perm	0.3	0.000	0	1	1	0.3	-0.2	-6.0				Perm cls	112.0	11.2	5	1	0.2	0.3	-7.6
6	0.00		Rara												Rara cls	150.0	20.4	1	1	-0.2	-0.3	-2.9
6	5.25		Freq	0.4	0.000	0	5	1	0.3	0.1	-3.3				Rara fer	3600	144	1	1	-0.2	-0.3	-2.9
			Perm	0.3	0.000	0	5	1	0.3	0.1	-3.3				Perm cls	112.0	13.4	1	1	-0.1	-0.2	-2.1
7	0.00		Rara												Rara cls	150.0	12.2	1	1	-1.2	-0.1	-2.4
7	5.25		Freq	0.4	0.000	0	1	1	-0.6	0.1	-1.4				Rara fer	3600	190	1	1	-1.2	-0.1	-2.4
			Perm	0.3	0.000	0	1	1	-0.6	0.1	-1.4				Perm cls	112.0	6.8	1	1	-0.6	0.1	-1.4
16	5.25		Rara												Rara cls	150.0	19.5	5	1	0.0	0.5	-3.0
16	6.60		Freq	0.4	0.000	0	5	1	0.0	0.2	-1.5				Rara fer	3600	181	5	1	0.0	0.5	-3.0
			Perm	0.3	0.000	0	5	1	0.0	0.2	-1.5				Perm cls	112.0	9.3	5	1	0.0	0.2	-1.5
17	5.25		Rara												Rara cls	150.0	14.7	1	1	0.0	-0.4	-3.3
17	6.60		Freq	0.4	0.000	0	1	1	0.0	-0.2	-1.6				Rara fer	3600	95	1	1	0.0	-0.4	-3.3
			Perm	0.3	0.000	0	1	1	0.0	-0.2	-1.6				Perm cls	112.0	6.4	1	1	0.0	-0.2	-1.6
18	5.25		Rara												Rara cls	150.0	10.8	1	1	0.0	-0.3	-3.3
18	6.60		Freq	0.4	0.000	0	1	1	0.0	-0.1	-1.6				Rara fer	3600	71	1	1	0.0	-0.3	-3.3
			Perm	0.3	0.000	0	1	1	0.0	-0.1	-1.6				Perm cls	112.0	4.4	1	1	0.0	-0.1	-1.6
19	5.25		Rara												Rara cls	150.0	15.5	1	1	0.0	-0.4	-3.1
19	6.60		Freq	0.4	0.000	0	1	1	0.0	-0.2	-1.5				Rara fer	3600	115	1	1	0.0	-0.4	-3.1
			Perm	0.3	0.000	0	1	1	0.0	-0.2	-1.5				Perm cls	112.0	6.9	1	1	0.0	-0.2	-1.5
21	5.25		Rara												Rara cls	150.0	60.5	5	1	0.0	1.7	-2.0
21	6.60		Freq	0.4	0.000	0	5	1	0.0	1.2	-1.1				Rara fer	3600	1259	5	1	0.0	1.7	-2.0
			Perm	0.3	0.000	0	5	1	0.0	1.2	-1.1				Perm cls	112.0	42.0	5	1	0.0	1.2	-1.1

S.L.U. - AZIONI S.L.V. - VERIFICA PIASTRE - QUOTA: 0 ELEMENTO: 1

Quo	P.	Nod3d	Nx	Ny	Txy	Mx	My	Mxy	εc x	εc y	εf x	εf y	Ax s	Ay s	Ax i	Ay i	Atag	σt	eta	Fpunz.	FpnzLi	Apunz
N.r	Nr	N.ro	Kg/m	Kg/m	Kg/m	kgm/m	kgm/m	kgm/m	*10000		*10000		-------- cmq/m -------					kg/cmq	mm	kg	kg	cmq
0	1	10	-2768	15057	808	-1893	705	367	5	4	15	17	3.4	3.0	1.8	3.4	0.1		-2.0			

S.L.U. - AZIONI S.L.V. - VERIFICA PIASTRE - QUOTA: 0 ELEMENTO: 1

Quo	P.	Nod3d	Nx	Ny	Txy	Mx	My	Mxy	εc x	εc y	εf x	εf y	Ax s	Ay s	Ax i	Ay i	Atag	σt	eta	Fpunz.	FpnzLi	Apunz
N.r	Nr	N.ro	Kg/m	Kg/m	Kg/m	kgm/m	kgm/m	kgm/m	*10000		*10000		-------- cmq/m -------					kg/cmq	mm	kg	kg	cmq
0	1	16	6477	5459	5532	-601	-2360	35	1	5	12	16	3.5	5.7	2.5	3.7	0.7		-1.5			
0	1	21	-1550	11668	11378	-2050	803	91	8	0	37	17	4.3	3.7	2.9	4.5	1.5		-2.0			
0	1	24	-852	7830	4030	-2068	-3648	-287	6	6	21	17	3.6	7.8	2.1	4.8	0.5		-1.1			
0	1	25	7064	4831	5654	-462	-2069	6	1	5	17	18	3.0	4.6	2.1	3.1	0.7		-1.5			
0	1	92	-1142	5947	1772	-646	-2693	17	3	5	18	18	3.0	5.2	1.1	3.2	0.2		-1.3			
0	1	93	-955	5778	2555	-633	-2629	22	3	5	18	18	3.0	5.3	1.2	3.3	0.3		-1.3			
0	1	94	-566	5166	3714	-593	-2480	23	3	5	18	17	3.0	5.4	1.3	3.4	0.5		-1.4			
0	1	99	199	5563	1632	273	1537	-71	1	3	10	14	1.0	2.7	3.0	4.2	0.2		-1.9			
0	1	100	55	5437	1742	297	1537	27	1	3	10	14	1.1	2.7	3.0	4.2	0.2		-1.9			
0	1	101	401	4971	1926	366	1558	83	2	3	13	15	3.0	2.6	3.0	4.1	0.2		-2.0			
0	1	157	208	5425	2962	-605	-2571	-42	2	5	9	18	3.0	5.3	1.7	3.3	0.4		-1.3			
0	1	158	168	5943	2100	-588	-2656	-3	2	5	9	18	3.0	5.3	1.6	3.3	0.3		-1.2			
0	1	159	528	6317	1920	-715	-2691	139	2	5	12	18	3.0	5.3	1.6	3.3	0.2		-1.1			
0	1	163	-1338	9820	2456	-1334	125	50	9	12	76	13	3.0	1.9	1.2	3.0	0.3		-1.5			
0	1	164	543	5190	1500	380	1595	-105	2	4	14	15	1.0	2.6	3.0	4.1	0.2		-2.0			
0	1	165	-10	5629	1267	379	1541	-81	2	3	12	15	1.0	2.6	3.0	4.1	0.2		-2.0			
0	1	166	93	5936	1096	142	1595	-42	1	3	5	15	3.0	2.6	3.0	4.1	0.1		-2.0			
0	1	167	-1019	4880	2670	-558	1881	362	3	4	15	17	3.0	2.7	3.0	4.2	0.3		-2.0			
0	1	179	-3343	191	1301	1859	647	182	5	2	15	10	1.7	1.5	3.3	3.0	0.2		-2.0			
0	1	181	-2063	12859	7410	-2024	694	119	5	3	15	16	4.7	3.3	2.8	4.1	0.9		-2.0			
0	1	182	-1415	1319	3274	1310	1779	561	4	8	13	49	3.0	2.3	3.2	3.3	0.4		-2.1			
0	1	183	-2521	194	1942	1577	948	107	4	3	14	15	1.7	1.6	3.1	3.0	0.2		-2.1			
0	1	185	-2424	16372	5152	-2004	572	194	5	7	15	16	4.2	3.5	2.5	4.1	0.7		-2.0			
0	1	186	-470	2058	3289	1036	1607	412	4	4	18	18	3.0	2.3	3.0	3.3	0.4		-2.3			
0	1	189	-2757	17818	2782	-1928	613	255	5	7	15	17	3.7	3.4	2.0	3.9	0.4		-2.0			
0	1	192	1886	197	1052	-403	676	-274	1	2	9	11	3.0	3.0	3.0	3.0	0.1		-1.9			
0	1	193	-1638	7669	5078	-1251	202	132	4	7	12	11	3.2	3.0	2.0	3.0	0.6		-1.9			
0	1	194	-480	807	3315	-553	627	-447	3	2	17	11	3.0	3.0	3.0	3.0	0.4		-2.2			
0	1	195	-836	840	3252	-470	-891	-407	2	3	13	15	3.0	3.0	3.0	3.0	0.4		-3.0			

S.L.U. - AZIONI S.L.V. - VERIFICA PIASTRE - QUOTA: 0 ELEMENTO: 1

Quo	P.	Nod3d	Nx	Ny	Txy	Mx	My	Mxy	εc x	εc y	εf x	εf y	Ax s	Ay s	Ax i	Ay i	Atag	σt	eta	Fpunz.	FpnzLi	Apunz
N.r	Nr	N.ro	Kg/m	Kg/m	Kg/m	kgm/m	kgm/m	kgm/m	*10000		*10000		-------- cmq/m -------					kg/cmq	mm	kg	kg	cmq
0	1	196	-407	171	2551	458	-562	-266	2	2	14	9	3.0	3.0	3.0	3.0	0.3		-2.6			
0	1	198	337	2603	2998	-191	-856	143	1	3	7	17	3.0	3.0	3.0	3.0	0.4		-2.7			
0	1	199	782	2594	3927	-384	-1773	80	2	4	15	15	3.0	4.3	1.3	2.8	0.5		-2.9			

S.L.U. - AZIONI S.L.V. - VERIFICA PIASTRE - QUOTA: 1 ELEMENTO: 1

Quo	P.	Nod3d	Nx	Ny	Txy	Mx	My	Mxy	εc x	εc y	εf x	εf y	Ax s	Ay s	Ax i	Ay i	Atag	σt	eta	Fpunz.	FpnzLi	Apunz
N.r	Nr	N.ro	Kg/m	Kg/m	Kg/m	kgm/m	kgm/m	kgm/m	*10000		*10000		-------- cmq/m -------					kg/cmq	mm	kg	kg	cmq
1	1	42	0	0	0	-192	-1368	-85	1	4	6	18	3.0	3.0	0.8	1.1	0.0		-2.6			
1	1	332	0	0	0	86	-144	70	0	1	3	5	3.0	3.0	3.0	3.0	0.0		-3.1			
1	1	333	0	0	0	138	-148	-84	1	1	5	5	3.0	3.0	3.0	3.0	0.0		-3.1			
1	1	334	0	0	0	126	99	-61	1	0	4	3	3.0	3.0	3.0	3.0	0.0		-3.1			
1	1	335	0	0	0	123	-153	77	1	1	4	5	3.0	3.0	3.0	3.0	0.0		-3.1			
1	1	336	0	0	0	162	-174	-99	1	1	5	6	3.0	3.0	3.0	3.0	0.0		-3.1			
1	1	337	0	0	0	130	-147	45	1	1	4	5	3.0	3.0	3.0	3.0	0.0		-3.2			
1	1	338	0	0	0	149	-171	-91	1	1	5	6	3.0	3.0	3.0	3.0	0.0		-3.3			
1	1	339	0	0	0	146	107	-64	1	0	5	4	3.0	3.0	3.0	3.0	0.0		-3.4			
1	1	340	0	0	0	104	-136	27	0	1	3	4	3.0	3.0	3.0	3.0	0.0		-3.4			
1	1	341	0	0	0	169	-191	-125	1	1	6	6	3.0	3.0	3.0	3.0	0.0		-3.6			
1	1	342	0	0	0	168	151	-126	1	1	6	5	3.0	3.0	3.0	3.0	0.0		-3.8			
1	1	343	0	0	0	120	-70	-59	1	0	4	2	3.0	3.0	3.0	3.0	0.0		-3.9			

S.L.U. - AZIONI S.L.V. - VERIFICA PIASTRE - QUOTA: 1 ELEMENTO: 2

Quo	P.	Nod3d	Nx	Ny	Txy	Mx	My	Mxy	εc x	εc y	εf x	εf y	Ax s	Ay s	Ax i	Ay i	Atag	σt	eta	Fpunz.	FpnzLi	Apunz
N.r	Nr	N.ro	Kg/m	Kg/m	Kg/m	kgm/m	kgm/m	kgm/m	*10000		*10000		-------- cmq/m -------					kg/cmq	mm	kg	kg	cmq
1	2	27	0	0	0	-864	-1475	-161	3	4	17	18	3.0	3.0	0.8	1.2	0.0		-1.2	-3485	17380	0.0
1	2	358	0	0	0	124	-75	33	1	0	4	2	3.0	3.0	3.0	3.0	0.0		-1.0			
1	2	361	0	0	0	308	59	49	1	0	10	2	0.8	3.0	3.0	3.0	0.0		-0.9			
1	2	362	0	0	0	146	-171	75	1	1	5	6	3.0	3.0	3.0	3.0	0.0		-1.0			
1	2	363	0	0	0	129	-381	83	1	2	4	13	3.0	3.0	3.0	0.8	0.0		-1.2			
1	2	364	0	0	0	242	-173	44	1	1	8	6	0.8	3.0	3.0	0.8	0.0		-1.2			
1	2	365	0	0	0	-156	-317	-54	1	1	5	10	3.0	3.0	3.0	0.8	0.0		-1.2			

S.L.U. - AZIONI S.L.V. - VERIFICA PIASTRE - QUOTA: 1 ELEMENTO: 2

Quo N.r	P. Nr	Nod3d N.ro	Nx Kg/m	Ny Kg/m	Txy Kg/m	Mx kgm/m	My kgm/m	Mxy kgm/m	εc x *10000	εc y *10000	εf x *10000	εf y *10000	Ax s	Ay s	Ax i	Ay i	Atag	σt kg/cmq	eta mm	Fpunz. kg	FpnzLi kg	Apunz cmq
													-------- cmq/m -------									
1	2	366	0	0	0	345	-190	115	2	1	11	6	3.0	3.0	3.0	3.0	0.0		-1.1			
1	2	367	0	0	0	620	180	174	3	1	17	6	0.8	3.0	3.0	3.0	0.0		-1.3			
1	2	368	0	0	0	483	-139	129	2	1	16	5	0.8	3.0	3.0	3.0	0.0		-1.4			
1	2	369	0	0	0	496	-530	211	2	2	16	17	3.0	3.0	3.0	3.0	0.0		-1.2			
1	2	370	0	0	0	627	-305	188	3	1	17	10	0.8	3.0	3.0	3.0	0.0		-1.3			
1	2	371	0	0	0	400	-264	106	2	1	13	9	0.8	3.0	3.0	3.0	0.0		-1.4			

S.L.U. - AZIONI S.L.V. -VERIFICA PUNZONAMENTO PIASTRE - QUOTA: 1 ELEMENTO: 2

Quo N.r	P. Nr	Nod3d N.ro	Nx Kg/m	Ny Kg/m	Txy Kg/m	Mx kgm/m	My kgm/m	Mxy kgm/m	VEd kg/cmq	VRd,max kg/cmq	Fpunz. kg	FpnzLi kg	Apunz cmq	Flag Verifica
1	2	27	0	0	0	-864	-1475	-161	0.0	0.0	-3485	17380	0.00	OK

S.L.E. - VERIFICA FESSURAZIONEVERIFICA PUNZONAMENTO PIASTRE - QUOTA: 0 ELEMENTO: 1

			FESSURAZIONI											TENSIONI		DIREZIONE X				DIREZIONE Y			
Quo N.r	Per N.r	Nodo N.ro	Comb. Cari	Fes lim	Fess mm	dis mm	Co mb	MfX (t*m)	NX (t)	MfY (t*m)	NY (t)	cos teta	sin teta	Combina Carico	σ lim. Kg/cmq	σ cal. Kg/cmq	Co mb	Mf (t*m)	N (t)	σ cal. Kg/cmq	Co mb	Mf (t*m)	N (t)
0	1	10	Rara											RaraCls	120.0	36.8	1	-1.3	-2.2	6.5	1	-0.2	0.3
			Freq	0.4	0.00	0	1	-1.2	-1.8	-0.2	1.1	0.000	0.000	RaraFer	3600	1362	1	-1.3	-2.2	299	1	-0.2	0.3
			Perm	0.3	0.00	0	1	-1.2	-1.8	-0.2	0.9	0.000	0.000	PermCls	90.0	33.3	1	-1.2	-1.8	4.8	1	-0.2	0.9
0	1	16	Rara											RaraCls	120.0	14.1	1	-0.6	2.7	38.4	1	-1.6	3.7
			Freq	0.4	0.00	0	1	-0.6	2.3	-1.5	3.8	0.000	0.000	RaraFer	3600	759	1	-0.6	2.7	1755	1	-1.6	3.7
			Perm	0.3	0.00	0	1	-0.6	2.3	-1.5	3.6	0.000	0.000	PermCls	90.0	13.0	1	-0.6	2.3	34.6	1	-1.5	3.6
0	1	21	Rara											RaraCls	120.0	39.6	1	-1.4	-1.4	10.9	1	0.4	-1.4
			Freq	0.4	0.00	0	1	-1.3	-0.8	0.0	0.0	0.000	0.000	RaraFer	3600	1559	1	-1.4	-1.4	322	1	0.4	-1.4
			Perm	0.3	0.00	0	1	-1.3	-1.0	0.0	0.0	0.000	0.000	PermCls	90.0	36.0	1	-1.3	-1.0	10.5	1	0.4	-0.6
0	1	24	Rara											RaraCls	120.0	35.1	1	-1.4	-0.7	58.9	1	-2.6	5.4
			Freq	0.4	0.13	180	1	-1.3	-0.5	-2.4	5.4	0.000	1.000	RaraFer	3600	1257	1	-1.4	-0.7	2713	1	-2.6	5.4
			Perm	0.3	0.14	180	1	-1.3	-0.5	-2.3	5.1	0.000	1.000	PermCls	90.0	31.6	1	-1.3	-0.5	52.9	1	-2.3	5.1
0	1	25	Rara											RaraCls	120.0	12.7	1	-0.5	2.3	39.8	1	-1.4	3.3
			Freq	0.4	0.00	0	1	-0.5	1.9	-1.3	3.3	0.000	0.000	RaraFer	3600	825	1	-0.5	2.3	2027	1	-1.4	3.3
			Perm	0.3	0.00	0	1	-0.5	1.9	-1.3	3.2	0.000	0.000	PermCls	90.0	11.8	1	-0.5	1.9	35.7	1	-1.3	3.2

S.L.E. - VERIFICA FESSURAZIONEVERIFICA PUNZONAMENTO PIASTRE - QUOTA: 0 ELEMENTO: 1

			FESSURAZIONI											TENSIONI		DIREZIONE X				DIREZIONE Y			
Quo N.r	Per N.r	Nodo N.ro	Comb. Cari	Fes lim	Fess mm	dis mm	Co mb	MfX (t*m)	NX (t)	MfY (t*m)	NY (t)	cos teta	sin teta	Combina Carico	σ lim. Kg/cmq	σ cal. Kg/cmq	Co mb	Mf (t*m)	N (t)	σ cal. Kg/cmq	Co mb	Mf (t*m)	N (t)
0	1	92	Rara											RaraCls	120.0	11.7	1	-0.5	-1.0	44.2	1	-1.9	4.1
			Freq	0.4	0.00	0	1	-0.4	-0.6	-1.7	4.0	0.000	0.000	RaraFer	3600	343	1	-0.5	-1.0	2011	1	-1.9	4.1
			Perm	0.3	0.00	0	1	-0.4	-0.7	-1.7	3.8	0.000	0.000	PermCls	90.0	10.1	1	-0.4	-0.7	39.3	1	-1.7	3.8
0	1	93	Rara											RaraCls	120.0	11.4	1	-0.5	-0.9	43.1	1	-1.8	4.0
			Freq	0.4	0.00	0	1	-0.4	-0.5	-1.7	3.9	0.000	0.000	RaraFer	3600	345	1	-0.5	-0.9	1960	1	-1.8	4.0
			Perm	0.3	0.00	0	1	-0.4	-0.6	-1.6	3.7	0.000	0.000	PermCls	90.0	9.9	1	-0.4	-0.6	38.4	1	-1.6	3.7
0	1	94	Rara											RaraCls	120.0	10.6	1	-0.4	-0.6	40.7	1	-1.7	3.6
			Freq	0.4	0.00	0	1	-0.4	-0.3	-1.6	3.5	0.000	0.000	RaraFer	3600	342	1	-0.4	-0.6	1829	1	-1.7	3.6
			Perm	0.3	0.00	0	1	-0.4	-0.3	-1.5	3.3	0.000	0.000	PermCls	90.0	9.2	1	-0.4	-0.3	36.3	1	-1.5	3.3
0	1	99	Rara											RaraCls	120.0	5.6	1	0.2	-0.2	28.0	1	1.1	3.8
			Freq	0.4	0.00	0	1	0.2	0.0	1.0	3.8	0.000	0.000	RaraFer	3600	213	1	0.2	-0.2	1630	1	1.1	3.8
			Perm	0.3	0.00	0	1	0.2	0.0	1.0	3.6	0.000	0.000	PermCls	90.0	5.2	1	0.2	0.0	25.5	1	1.0	3.6
0	1	100	Rara											RaraCls	120.0	5.8	1	0.2	0.0	28.2	1	1.1	3.7
			Freq	0.4	0.00	0	1	0.2	0.1	1.0	3.7	0.000	0.000	RaraFer	3600	240	1	0.2	0.0	1626	1	1.1	3.7
			Perm	0.3	0.00	0	1	0.2	0.1	1.0	3.5	0.000	0.000	PermCls	90.0	5.3	1	0.2	0.1	25.6	1	1.0	3.5
0	1	101	Rara											RaraCls	120.0	7.3	1	0.3	0.3	29.1	1	1.1	3.4
			Freq	0.4	0.00	0	1	0.2	0.3	1.0	3.4	0.000	0.000	RaraFer	3600	327	1	0.3	0.3	1614	1	1.1	3.4
			Perm	0.3	0.00	0	1	0.2	0.3	1.0	3.2	0.000	0.000	PermCls	90.0	6.6	1	0.2	0.3	26.3	1	1.0	3.2
0	1	157	Rara											RaraCls	120.0	10.6	1	-0.4	0.0	42.2	1	-1.8	3.7
			Freq	0.4	0.00	0	1	-0.4	0.2	-1.7	3.7	0.000	0.000	RaraFer	3600	389	1	-0.4	0.0	1902	1	-1.8	3.7
			Perm	0.3	0.00	0	1	-0.4	0.2	-1.6	3.5	0.000	0.000	PermCls	90.0	9.3	1	-0.4	0.2	37.8	1	-1.6	3.5
0	1	158	Rara											RaraCls	120.0	10.4	1	-0.4	-0.1	43.6	1	-1.9	4.1
			Freq	0.4	0.00	0	1	-0.4	0.2	-1.7	4.0	0.000	0.000	RaraFer	3600	375	1	-0.4	-0.1	1988	1	-1.9	4.1
			Perm	0.3	0.00	0	1	-0.4	0.1	-1.7	3.9	0.000	0.000	PermCls	90.0	9.1	1	-0.4	0.1	39.0	1	-1.7	3.9
0	1	159	Rara											RaraCls	120.0	12.5	1	-0.5	0.1	44.2	1	-1.9	4.4
			Freq	0.4	0.00	0	1	-0.5	0.5	-1.7	4.3	0.000	0.000	RaraFer	3600	471	1	-0.5	0.1	2032	1	-1.9	4.4
			Perm	0.3	0.00	0	1	-0.4	0.3	-1.7	4.1	0.000	0.000	PermCls	90.0	11.0	1	-0.4	0.3	39.5	1	-1.7	4.1
0	1	163	Rara											RaraCls	120.0	26.3	1	-0.9	-1.0	0.0	0	0.0	0.0

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			FESSURAZIONI											TENSIONI		DIREZIONE X				DIREZIONE Y			
Quo	Per	Nodo	Comb.	Fes	Fess	dis	Co	MfX	NX	MfY	NY	cos	sin	Combina	σ lim.	σ cal.	Co	Mf	N	σ cal.	Co	Mf	N
N.r	N.r	N.ro	Cari	lim	mm	mm	mb	(t*m)	(t)	(t*m)	(t)	teta	teta	Carico	Kg/cmq	Kg/cmq	mb	(t*m)	(t)	Kg/cmq	mb	(t*m)	(t)
			Freq	0.4	0.00	0	1	-0.9	-0.8	0.0	0.0	0.000	0.000	RaraFer	3600	1011	1	-0.9	-1.0	689	1	0.2	4.5
			Perm	0.3	0.00	0	1	-0.8	-0.9	0.0	0.0	0.000	0.000	PermCls	90.0	23.7	1	-0.8	-0.9	0.0	0	0.0	0.0
0	1	164	Rara											RaraCls	120.0	7.6	1	0.3	0.4	29.7	1	1.1	3.6
			Freq	0.4	0.00	0	1	0.2	0.4	1.0	3.6	0.000	0.000	RaraFer	3600	350	1	0.3	0.4	1660	1	1.1	3.6
			Perm	0.3	0.00	0	1	0.2	0.4	1.0	3.4	0.000	0.000	PermCls	90.0	6.9	1	0.2	0.4	26.9	1	1.0	3.4
0	1	165	Rara											RaraCls	120.0	7.5	1	0.3	-0.1	28.2	1	1.1	3.9
			Freq	0.4	0.00	0	1	0.2	0.0	1.0	3.9	0.000	0.000	RaraFer	3600	306	1	0.3	-0.1	1645	1	1.1	3.9
			Perm	0.3	0.00	0	1	0.2	0.0	1.0	3.7	0.000	0.000	PermCls	90.0	6.9	1	0.2	0.0	25.5	1	1.0	3.7
0	1	166	Rara											RaraCls	120.0	3.7	1	0.1	-0.5	29.0	1	1.1	4.1
			Freq	0.4	0.00	0	1	0.1	-0.3	1.0	4.1	0.000	0.000	RaraFer	3600	108	1	0.1	-0.5	1706	1	1.1	4.1
			Perm	0.3	0.00	0	1	0.1	-0.4	1.0	3.9	0.000	0.000	PermCls	90.0	3.5	1	0.1	-0.4	26.3	1	1.0	3.9
0	1	167	Rara											RaraCls	120.0	11.2	1	-0.4	-0.8	35.8	1	1.3	3.3
			Freq	0.4	0.00	0	1	0.1	-0.6	1.2	3.4	0.000	0.000	RaraFer	3600	392	1	-0.4	-0.8	1866	1	1.3	3.3
			Perm	0.3	0.00	0	1	0.1	-0.7	1.2	3.2	0.000	0.000	PermCls	90.0	10.0	1	-0.3	-0.7	32.5	1	1.2	3.2
0	1	179	Rara											RaraCls	120.0	35.9	1	1.3	-2.4	12.9	1	0.4	0.1
			Freq	0.4	0.00	0	1	1.2	-2.2	0.4	0.1	0.000	0.000	RaraFer	3600	1296	1	1.3	-2.4	549	1	0.4	0.1
			Perm	0.3	0.00	0	1	1.2	-2.2	0.4	0.1	0.000	0.000	PermCls	90.0	32.6	1	1.2	-2.2	11.6	1	0.4	0.1
0	1	181	Rara											RaraCls	120.0	39.1	1	-1.4	-1.7	8.9	1	0.3	-0.8
			Freq	0.4	0.00	0	1	-1.3	-1.2	0.0	0.0	0.000	0.000	RaraFer	3600	1507	1	-1.4	-1.7	294	1	0.3	-0.8
			Perm	0.3	0.00	0	1	-1.3	-1.4	0.0	0.0	0.000	0.000	PermCls	90.0	35.6	1	-1.3	-1.4	8.6	1	0.3	-0.1
0	1	182	Rara											RaraCls	120.0	25.5	1	0.9	-1.1	34.3	1	1.2	0.9
			Freq	0.4	0.00	0	1	0.9	-0.9	1.2	0.9	0.000	0.000	RaraFer	3600	974	1	0.9	-1.1	1548	1	1.2	0.9
			Perm	0.3	0.00	0	1	0.8	-0.9	1.1	0.9	0.000	0.000	PermCls	90.0	23.2	1	0.8	-0.9	31.3	1	1.1	0.9
0	1	183	Rara											RaraCls	120.0	30.7	1	1.1	-1.9	18.7	1	0.7	0.1
			Freq	0.4	0.00	0	1	1.0	-1.6	0.6	0.1	0.000	0.000	RaraFer	3600	1120	1	1.1	-1.9	795	1	0.7	0.1
			Perm	0.3	0.00	0	1	1.0	-1.6	0.6	0.1	0.000	0.000	PermCls	90.0	27.8	1	1.0	-1.6	17.0	1	0.6	0.1
0	1	185	Rara											RaraCls	120.0	38.8	1	-1.4	-2.0	5.6	1	0.2	0.0
			Freq	0.4	0.00	0	1	-1.3	-1.5	0.0	1.0	0.000	0.000	RaraFer	3600	1470	1	-1.4	-2.0	234	1	0.2	0.0

S.L.E. - VERIFICA FESSURAZIONEVERIFICA PUNZONAMENTO PIASTRE - QUOTA: 0 ELEMENTO: 1

			FESSURAZIONI											TENSIONI		DIREZIONE X				DIREZIONE Y			
Quo	Per	Nodo	Comb.	Fes	Fess	dis	Co	MfX	NX	MfY	NY	cos	sin	Combina	σ lim.	σ cal.	Co	Mf	N	σ cal.	Co	Mf	N
N.r	N.r	N.ro	Cari	lim	mm	mm	mb	(t*m)	(t)	(t*m)	(t)	teta	teta	Carico	Kg/cmq	Kg/cmq	mb	(t*m)	(t)	Kg/cmq	mb	(t*m)	(t)
			Perm	0.3	0.00	0	1	-1.3	-1.6	-0.1	0.7	0.000	0.000	PermCls	90.0	35.2	1	-1.3	-1.6	5.1	1	0.2	0.7
0	1	186	Rara											RaraCls	120.0	20.4	1	0.7	-0.4	31.3	1	1.1	1.4
			Freq	0.4	0.00	0	1	0.7	-0.3	1.1	1.4	0.000	0.000	RaraFer	3600	817	1	0.7	-0.4	1465	1	1.1	1.4
			Perm	0.3	0.00	0	1	0.6	-0.3	1.0	1.3	0.000	0.000	PermCls	90.0	18.4	1	0.6	-0.3	28.4	1	1.0	1.3
0	1	189	Rara											RaraCls	120.0	37.4	1	-1.3	-2.2	4.5	1	0.2	0.7
			Freq	0.4	0.00	0	1	-1.3	-1.8	-0.1	1.6	0.000	0.000	RaraFer	3600	1388	1	-1.3	-2.2	270	1	0.2	0.7
			Perm	0.3	0.00	0	1	-1.2	-1.8	-0.1	1.3	0.000	0.000	PermCls	90.0	34.0	1	-1.2	-1.8	3.6	1	0.2	1.3
0	1	192	Rara											RaraCls	120.0	8.0	1	-0.3	-1.9	10.2	1	0.4	0.2
			Freq	0.4	0.00	0	1	0.0	-1.5	0.4	0.3	0.000	0.000	RaraFer	3600	167	1	-0.3	-1.9	446	1	0.4	0.2
			Perm	0.3	0.00	0	1	0.0	-1.6	0.3	0.2	0.000	0.000	PermCls	90.0	7.5	1	-0.3	-1.6	9.7	1	0.3	0.2
0	1	193	Rara											RaraCls	120.0	24.4	1	-0.9	-1.3	2.5	1	-0.1	0.3
			Freq	0.4	0.00	0	1	-0.8	-1.0	-0.1	0.6	0.000	0.000	RaraFer	3600	904	1	-0.9	-1.3	137	1	-0.1	0.3
			Perm	0.3	0.00	0	1	-0.8	-1.0	-0.1	0.5	0.000	0.000	PermCls	90.0	22.1	1	-0.8	-1.0	1.8	1	-0.1	0.5
0	1	194	Rara											RaraCls	120.0	11.2	1	-0.4	-1.0	12.2	1	0.4	0.5
			Freq	0.4	0.00	0	1	0.2	-0.8	0.4	0.6	0.000	0.000	RaraFer	3600	370	1	-0.4	-1.0	556	1	0.4	0.5
			Perm	0.3	0.00	0	1	0.2	-0.8	0.4	0.5	0.000	0.000	PermCls	90.0	10.2	1	-0.4	-0.8	11.3	1	0.4	0.5
0	1	195	Rara											RaraCls	120.0	9.2	1	-0.3	-0.6	17.0	1	-0.6	0.5
			Freq	0.4	0.00	0	1	-0.3	-0.5	-0.6	0.6	0.000	0.000	RaraFer	3600	319	1	-0.3	-0.6	763	1	-0.6	0.5
			Perm	0.3	0.00	0	1	-0.3	-0.5	-0.5	0.6	0.000	0.000	PermCls	90.0	8.4	1	-0.3	-0.5	15.6	1	-0.5	0.6
0	1	196	Rara											RaraCls	120.0	8.9	1	0.3	-0.4	5.2	1	-0.2	0.9
			Freq	0.4	0.00	0	1	0.3	-0.2	0.0	0.9	0.000	0.000	RaraFer	3600	335	1	0.3	-0.4	326	1	-0.2	0.9
			Perm	0.3	0.00	0	1	0.3	-0.2	0.0	0.9	0.000	0.000	PermCls	90.0	8.2	1	0.3	-0.2	4.8	1	-0.2	0.9
0	1	198	Rara											RaraCls	120.0	3.7	1	-0.1	0.2	15.5	1	-0.6	1.7
			Freq	0.4	0.00	0	1	-0.1	0.3	-0.6	1.8	0.000	0.000	RaraFer	3600	170	1	-0.1	0.2	842	1	-0.6	1.7
			Perm	0.3	0.00	0	1	-0.1	0.2	-0.5	1.7	0.000	0.000	PermCls	90.0	3.3	1	-0.1	0.2	14.1	1	-0.5	1.7
0	1	199	Rara											RaraCls	120.0	7.4	1	-0.3	0.5	33.3	1	-1.2	1.7
			Freq	0.4	0.00	0	1	-0.2	0.5	-1.2	1.8	0.000	0.000	RaraFer	3600	358	1	-0.3	0.5	1584	1	-1.2	1.7
			Perm	0.3	0.00	0	1	-0.2	0.5	-1.1	1.7	0.000	0.000	PermCls	90.0	6.7	1	-0.2	0.5	30.5	1	-1.1	1.7

S.L.E. - VERIFICA FESSURAZIONEVERIFICA PUNZONAMENTO PIASTRE - QUOTA: 1 ELEMENTO: 1

			FESSURAZIONI											TENSIONI		DIREZIONE X				DIREZIONE Y			
Quo	Per	Nodo	Comb.	Fes	Fess	dis	Co	MfX	NX	MfY	NY	cos	sin	Combina	σ lim.	σ cal.	Co	Mf	N	σ cal.	Co	Mf	N
N.r	N.r	N.ro	Cari	lim	mm	mm	mb	(t*m)	(t)	(t*m)	(t)	teta	teta	Carico	Kg/cmq	Kg/cmq	mb	(t*m)	(t)	Kg/cmq	mb	(t*m)	(t)
1	1	42	Rara											RaraCls	120.0	4.6	1	-0.1	0.0	34.0	1	-1.0	0.0
			Freq	0.4	0.00	0	1	-0.1	0.0	-0.6	0.0	0.000	0.000	RaraFer	3600	226	1	-0.1	0.0	1703	1	-1.0	0.0
			Perm	0.3	0.00	0	1	-0.1	0.0	-0.6	0.0	0.000	0.000	PermCls	90.0	2.8	1	-0.1	0.0	21.5	1	-0.6	0.0
1	1	332	Rara											RaraCls	120.0	1.6	1	0.0	0.0	3.6	1	-0.1	0.0
			Freq	0.4	0.00	0	1	0.0	0.0	-0.1	0.0	0.000	0.000	RaraFer	3600	77	1	0.0	0.0	176	1	-0.1	0.0
			Perm	0.3	0.00	0	1	0.0	0.0	-0.1	0.0	0.000	0.000	PermCls	90.0	1.0	1	0.0	0.0	2.0	1	-0.1	0.0
1	1	333	Rara											RaraCls	120.0	2.8	1	0.1	0.0	3.7	1	-0.1	0.0
			Freq	0.4	0.00	0	1	0.0	0.0	-0.1	0.0	0.000	0.000	RaraFer	3600	135	1	0.1	0.0	178	1	-0.1	0.0
			Perm	0.3	0.00	0	1	0.0	0.0	-0.1	0.0	0.000	0.000	PermCls	90.0	1.8	1	0.0	0.0	2.3	1	-0.1	0.0
1	1	334	Rara											RaraCls	120.0	3.2	1	0.1	0.0	1.8	1	0.0	0.0
			Freq	0.4	0.00	0	1	0.1	0.0	0.0	0.0	0.000	0.000	RaraFer	3600	154	1	0.1	0.0	86	1	0.0	0.0
			Perm	0.3	0.00	0	1	0.1	0.0	0.0	0.0	0.000	0.000	PermCls	90.0	2.1	1	0.1	0.0	1.1	1	0.0	0.0
1	1	335	Rara											RaraCls	120.0	2.5	1	0.1	0.0	3.8	1	-0.1	0.0
			Freq	0.4	0.00	0	1	0.0	0.0	-0.1	0.0	0.000	0.000	RaraFer	3600	123	1	0.1	0.0	187	1	-0.1	0.0
			Perm	0.3	0.00	0	1	0.0	0.0	-0.1	0.0	0.000	0.000	PermCls	90.0	1.7	1	0.0	0.0	2.5	1	-0.1	0.0
1	1	336	Rara											RaraCls	120.0	3.3	1	0.1	0.0	4.4	1	-0.1	0.0
			Freq	0.4	0.00	0	1	0.0	0.0	-0.1	0.0	0.000	0.000	RaraFer	3600	159	1	0.1	0.0	214	1	-0.1	0.0
			Perm	0.3	0.00	0	1	0.0	0.0	-0.1	0.0	0.000	0.000	PermCls	90.0	1.7	1	0.0	0.0	2.6	1	-0.1	0.0
1	1	337	Rara											RaraCls	120.0	3.3	1	0.1	0.0	3.7	1	-0.1	0.0
			Freq	0.4	0.00	0	1	0.0	0.0	-0.1	0.0	0.000	0.000	RaraFer	3600	159	1	0.1	0.0	179	1	-0.1	0.0
			Perm	0.3	0.00	0	1	0.0	0.0	-0.1	0.0	0.000	0.000	PermCls	90.0	1.7	1	0.0	0.0	2.0	1	-0.1	0.0
1	1	338	Rara											RaraCls	120.0	3.4	1	0.1	0.0	4.3	1	-0.1	0.0
			Freq	0.4	0.00	0	1	0.0	0.0	-0.1	0.0	0.000	0.000	RaraFer	3600	167	1	0.1	0.0	210	1	-0.1	0.0
			Perm	0.3	0.00	0	1	0.0	0.0	-0.1	0.0	0.000	0.000	PermCls	90.0	2.5	1	0.1	0.0	2.9	1	-0.1	0.0
1	1	339	Rara											RaraCls	120.0	3.7	1	0.1	0.0	2.2	1	0.1	0.0
			Freq	0.4	0.00	0	1	0.1	0.0	0.0	0.0	0.000	0.000	RaraFer	3600	180	1	0.1	0.0	105	1	0.1	0.0
			Perm	0.3	0.00	0	1	0.1	0.0	0.0	0.0	0.000	0.000	PermCls	90.0	2.5	1	0.1	0.0	1.5	1	0.0	0.0

S.L.E. - VERIFICA FESSURAZIONEVERIFICA PUNZONAMENTO PIASTRE - QUOTA: 1 ELEMENTO: 1

			FESSURAZIONI											TENSIONI		DIREZIONE X				DIREZIONE Y			
Quo N.r	Per N.r	Nodo N.ro	Comb. Cari	Fes lim	Fess mm	dis mm	Co mb	MfX (t*m)	NX (t)	MfY (t*m)	NY (t)	cos teta	sin teta	Combina Carico	σ lim. Kg/cmq	σ cal. Kg/cmq	Co mb	Mf (t*m)	N (t)	σ cal. Kg/cmq	Co mb	Mf (t*m)	N (t)
1	1	340	Rara											RaraCls	120.0	2.6	1	0.1	0.0	3.4	1	-0.1	0.0
			Freq	0.4	0.00	0	1	0.0	0.0	-0.1	0.0	0.000	0.000	RaraFer	3600	127	1	0.1	0.0	166	1	-0.1	0.0
			Perm	0.3	0.00	0	1	0.0	0.0	-0.1	0.0	0.000	0.000	PermCls	90.0	1.7	1	0.0	0.0	2.0	1	-0.1	0.0
1	1	341	Rara											RaraCls	120.0	3.7	1	0.1	0.0	4.5	1	-0.1	0.0
			Freq	0.4	0.00	0	1	0.0	0.0	-0.1	0.0	0.000	0.000	RaraFer	3600	178	1	0.1	0.0	220	1	-0.1	0.0
			Perm	0.3	0.00	0	1	0.0	0.0	-0.1	0.0	0.000	0.000	PermCls	90.0	2.1	1	0.1	0.0	2.6	1	-0.1	0.0
1	1	342	Rara											RaraCls	120.0	3.9	1	0.1	0.0	2.8	1	0.1	0.0
			Freq	0.4	0.00	0	1	0.1	0.0	0.0	0.0	0.000	0.000	RaraFer	3600	189	1	0.1	0.0	134	1	0.1	0.0
			Perm	0.3	0.00	0	1	0.1	0.0	0.0	0.0	0.000	0.000	PermCls	90.0	2.2	1	0.1	0.0	1.5	1	0.0	0.0
1	1	343	Rara											RaraCls	120.0	1.1	1	0.0	0.0	0.8	1	0.0	0.0
			Freq	0.4	0.00	0	1	0.0	0.0	0.0	0.0	0.000	0.000	RaraFer	3600	55	1	0.0	0.0	38	1	0.0	0.0
			Perm	0.3	0.00	0	1	0.0	0.0	0.0	0.0	0.000	0.000	PermCls	90.0	0.5	1	0.0	0.0	0.4	1	0.0	0.0

S.L.E. - VERIFICA FESSURAZIONEVERIFICA PUNZONAMENTO PIASTRE - QUOTA: 1 ELEMENTO: 2

			FESSURAZIONI											TENSIONI		DIREZIONE X				DIREZIONE Y			
Quo N.r	Per N.r	Nodo N.ro	Comb. Cari	Fes lim	Fess mm	dis mm	Co mb	MfX (t*m)	NX (t)	MfY (t*m)	NY (t)	cos teta	sin teta	Combina Carico	σ lim. Kg/cmq	σ cal. Kg/cmq	Co mb	Mf (t*m)	N (t)	σ cal. Kg/cmq	Co mb	Mf (t*m)	N (t)
1	2	27	Rara											RaraCls	120.0	21.9	1	-0.6	0.0	37.3	1	-1.1	0.0
			Freq	0.4	0.00	0	1	-0.4	0.0	-0.7	0.0	0.000	0.000	RaraFer	3600	1087	1	-0.6	0.0	1878	1	-1.1	0.0
			Perm	0.3	0.00	0	1	-0.4	0.0	-0.7	0.0	0.000	0.000	PermCls	90.0	14.8	1	-0.4	0.0	25.9	1	-0.7	0.0
1	2	358	Rara											RaraCls	120.0	1.5	1	0.0	0.0	2.0	1	-0.1	0.0
			Freq	0.4	0.00	0	1	0.0	0.0	0.0	0.0	0.000	0.000	RaraFer	3600	74	1	0.0	0.0	95	1	-0.1	0.0
			Perm	0.3	0.00	0	1	0.0	0.0	0.0	0.0	0.000	0.000	PermCls	90.0	1.1	1	0.0	0.0	1.3	1	0.0	0.0
1	2	361	Rara											RaraCls	120.0	8.0	1	0.2	0.0	1.5	1	0.0	0.0
			Freq	0.4	0.00	0	1	0.1	0.0	0.0	0.0	0.000	0.000	RaraFer	3600	391	1	0.2	0.0	72	1	0.0	0.0
			Perm	0.3	0.00	0	1	0.1	0.0	0.0	0.0	0.000	0.000	PermCls	90.0	5.4	1	0.1	0.0	0.8	1	0.0	0.0
1	2	362	Rara											RaraCls	120.0	3.0	1	0.1	0.0	4.4	1	-0.1	0.0
			Freq	0.4	0.00	0	1	0.0	0.0	-0.1	0.0	0.000	0.000	RaraFer	3600	146	1	0.1	0.0	212	1	-0.1	0.0
			Perm	0.3	0.00	0	1	0.0	0.0	-0.1	0.0	0.000	0.000	PermCls	90.0	1.8	1	0.0	0.0	2.7	1	-0.1	0.0

S.L.E. - VERIFICA FESSURAZIONEVERIFICA PUNZONAMENTO PIASTRE - QUOTA: 1 ELEMENTO: 2

			FESSURAZIONI											TENSIONI		DIREZIONE X				DIREZIONE Y			
Quo	Per	Nodo	Comb.	Fes	Fess	dis	Co	MfX	NX	MfY	NY	cos	sin	Combina	σ lim.	σ cal.	Co	Mf	N	σ cal.	Co	Mf	N
N.r	N.r	N.ro	Cari	lim	mm	mm	mb	(t*m)	(t)	(t*m)	(t)	teta	teta	Carico	Kg/cmq	Kg/cmq	mb	(t*m)	(t)	Kg/cmq	mb	(t*m)	(t)
1	2	363	Rara											RaraCls	120.0	3.2	1	-0.1	0.0	10.1	1	-0.3	0.0
			Freq	0.4	0.00	0	1	-0.1	0.0	-0.2	0.0	0.000	0.000	RaraFer	3600	157	1	-0.1	0.0	492	1	-0.3	0.0
			Perm	0.3	0.00	0	1	-0.1	0.0	-0.2	0.0	0.000	0.000	PermCls	90.0	2.2	1	-0.1	0.0	7.1	1	-0.2	0.0
1	2	364	Rara											RaraCls	120.0	6.2	1	0.2	0.0	4.6	1	-0.1	0.0
			Freq	0.4	0.00	0	1	0.1	0.0	0.0	0.0	0.000	0.000	RaraFer	3600	303	1	0.2	0.0	223	1	-0.1	0.0
			Perm	0.3	0.00	0	1	0.1	0.0	0.0	0.0	0.000	0.000	PermCls	90.0	4.2	1	0.1	0.0	3.2	1	-0.1	0.0
1	2	365	Rara											RaraCls	120.0	1.4	1	0.0	0.0	8.5	1	-0.2	0.0
			Freq	0.4	0.00	0	1	0.0	0.0	-0.2	0.0	0.000	0.000	RaraFer	3600	70	1	0.0	0.0	415	1	-0.2	0.0
			Perm	0.3	0.00	0	1	0.0	0.0	-0.2	0.0	0.000	0.000	PermCls	90.0	1.5	1	0.0	0.0	6.4	1	-0.2	0.0
1	2	366	Rara											RaraCls	120.0	6.9	1	0.2	0.0	4.8	1	-0.1	0.0
			Freq	0.4	0.00	0	1	0.1	0.0	0.0	0.0	0.000	0.000	RaraFer	3600	335	1	0.2	0.0	232	1	-0.1	0.0
			Perm	0.3	0.00	0	1	0.1	0.0	0.0	0.0	0.000	0.000	PermCls	90.0	4.1	1	0.1	0.0	2.6	1	-0.1	0.0
1	2	367	Rara											RaraCls	120.0	15.8	1	0.4	0.0	4.5	1	0.1	0.0
			Freq	0.4	0.00	0	1	0.3	0.0	0.1	0.0	0.000	0.000	RaraFer	3600	780	1	0.4	0.0	218	1	0.1	0.0
			Perm	0.3	0.00	0	1	0.3	0.0	0.1	0.0	0.000	0.000	PermCls	90.0	10.5	1	0.3	0.0	2.4	1	0.1	0.0
1	2	368	Rara											RaraCls	120.0	12.3	1	0.3	0.0	3.6	1	-0.1	0.0
			Freq	0.4	0.00	0	1	0.2	0.0	0.0	0.0	0.000	0.000	RaraFer	3600	606	1	0.3	0.0	173	1	-0.1	0.0
			Perm	0.3	0.00	0	1	0.2	0.0	0.0	0.0	0.000	0.000	PermCls	90.0	8.1	1	0.2	0.0	2.2	1	-0.1	0.0
1	2	369	Rara											RaraCls	120.0	10.3	1	0.3	0.0	13.7	1	-0.4	0.0
			Freq	0.4	0.00	0	1	-0.1	0.0	-0.2	0.0	0.000	0.000	RaraFer	3600	504	1	0.3	0.0	671	1	-0.4	0.0
			Perm	0.3	0.00	0	1	-0.1	0.0	-0.2	0.0	0.000	0.000	PermCls	90.0	5.3	1	0.1	0.0	9.0	1	-0.2	0.0
1	2	370	Rara											RaraCls	120.0	15.9	1	0.4	0.0	7.8	1	-0.2	0.0
			Freq	0.4	0.00	0	1	0.3	0.0	0.0	0.0	0.000	0.000	RaraFer	3600	785	1	0.4	0.0	381	1	-0.2	0.0
			Perm	0.3	0.00	0	1	0.3	0.0	0.0	0.0	0.000	0.000	PermCls	90.0	10.2	1	0.3	0.0	4.8	1	-0.1	0.0
1	2	371	Rara											RaraCls	120.0	9.9	1	0.3	0.0	6.8	1	-0.2	0.0
			Freq	0.4	0.00	0	1	0.2	0.0	0.0	0.0	0.000	0.000	RaraFer	3600	485	1	0.3	0.0	333	1	-0.2	0.0
			Perm	0.3	0.00	0	1	0.2	0.0	0.0	0.0	0.000	0.000	PermCls	90.0	6.3	1	0.2	0.0	4.3	1	-0.1	0.0

S.L.U. - AZIONI S.L.V. - VERIFICA SHELL C.A. - QUOTA: 1 ELEMENTO: 1

Gr.Q N.ro	Gen N.r	Nodo 3d N.ro	Nx Kg/m	Ny Kg/m	Txy Kg/m	Mx kgm/m	My kgm/m	Mxy kgm/m	εc x *10000	εc y *10000	εf x *10000	εf y *10000	Ax s.	Ay s.	Ax i.	Ay i.	Atag.	σt kg/cmq	eta mm
													---------- cmq/m ----------						
1	1	40	-1260	-5837	1620	779	3784	28	2	5	13	16	3.0	3.0	3.0	3.8	0.2		-2.6
1	1	41	-1310	-6126	1793	856	4164	-29	2	5	14	16	3.0	3.0	3.0	4.1	0.2		-2.6
1	1	42	-1291	-6157	1166	919	4309	-71	2	5	16	16	3.0	3.0	3.0	4.2	0.1		-2.6
1	1	43	-1308	-6196	992	872	4115	-62	2	5	15	16	3.0	3.0	3.0	4.0	0.1		-2.8
1	1	234	1478	5788	3409	-254	196	94	0	10	10	18	3.0	3.0	3.0	3.0	0.4		-3.1
1	1	306	68	-1835	1181	-351	-500	106	1	1	8	5	3.0	3.0	3.0	3.0	0.2		-2.8
1	1	307	589	-1806	1342	-401	-624	204	1	1	10	8	3.0	3.0	3.0	3.0	0.2		-2.8
1	1	308	46	-1660	1875	-250	651	181	1	1	5	9	3.0	3.0	3.0	3.0	0.2		-2.7
1	1	309	-372	-2085	1381	-381	602	-162	1	1	7	7	3.0	3.0	3.0	3.0	0.2		-2.7
1	1	310	-151	-2054	1018	-414	975	-269	1	2	8	15	3.0	3.0	3.0	3.0	0.1		-2.8
1	1	311	-457	-1837	1098	724	-597	-241	2	1	14	7	3.0	3.0	3.0	3.0	0.1		-2.8
1	1	312	-234	-2007	2336	-711	-1205	-588	2	2	14	9	3.0	3.0	3.0	3.0	0.3		-2.7
1	1	313	-241	-986	1277	233	-225	133	1	0	4	2	3.0	3.0	3.0	3.0	0.2		-2.7
1	1	314	-489	-1972	719	-585	-1068	464	1	2	11	17	3.0	3.0	3.0	3.0	0.1		-2.8
1	1	315	-697	-6583	2108	-444	-944	-239	1	1	7	3	3.0	3.0	3.0	3.0	0.3		-2.9
1	1	316	537	-644	3063	-357	144	131	1	0	9	1	3.0	3.0	3.0	3.0	0.4		-2.9
1	1	317	804	-10274	2732	-339	0	-217	1	0	9	0	3.0	3.0	3.0	3.0	0.3		-3.0
1	1	318	1027	-1684	1905	-305	-405	107	1	1	9	4	3.0	3.0	3.0	3.0	0.2		-2.9
1	1	319	1280	-626	2309	-307	-274	169	1	1	10	4	3.0	3.0	3.0	3.0	0.3		-3.0
1	1	320	1050	934	2393	-288	165	148	1	0	9	6	3.0	3.0	3.0	3.0	0.3		-3.0
1	1	321	703	-1434	1706	-440	-599	235	1	1	11	9	3.0	3.0	3.0	3.0	0.2		-2.9
1	1	322	644	-798	2071	-483	-517	248	1	1	12	9	3.0	3.0	3.0	3.0	0.3		-3.0
1	1	323	440	287	2848	-471	-386	259	1	1	11	9	3.0	3.0	3.0	3.0	0.4		-3.0
1	1	324	281	-2315	1624	-451	795	-147	1	2	10	10	3.0	3.0	3.0	3.0	0.2		-2.9
1	1	325	158	-656	2100	-508	-597	321	1	1	11	11	3.0	3.0	3.0	3.0	0.3		-3.0
1	1	326	104	-171	3236	-562	-528	379	1	1	12	11	3.0	3.0	3.0	3.0	0.4		-3.0
1	1	327	-232	-1325	2058	-728	-1035	-652	2	2	15	8	3.0	3.0	3.0	3.0	0.3		-2.9
1	1	328	-328	-667	1985	-382	-439	-375	1	1	7	7	3.0	3.0	3.0	3.0	0.3		-3.0
1	1	329	-24	-432	2936	-483	-572	461	1	1	10	11	3.0	3.0	3.0	3.0	0.4		-3.0

S.L.U. - AZIONI S.L.V. - VERIFICA SHELL C.A. - QUOTA: 1 ELEMENTO: 2

Gr.Q N.ro	Gen N.r	Nodo 3d N.ro	Nx Kg/m	Ny Kg/m	Txy Kg/m	Mx kgm/m	My kgm/m	Mxy kgm/m	εc x *10000	εc y *10000	εf x *10000	εf y *10000	Ax s.	Ay s.	Ax i.	Ay i.	Atag.	σt kg/cmq	eta mm
													---------- cmq/m ----------						
1	2	8	16101	30547	27001	318	1170	105	13	11	15	18	5.9	7.8	6.4	8.8	3.5		-1.8
1	2	146	1753	13681	6512	149	0	55	1	10	8	13	3.0	4.1	3.0	3.3	0.8		-1.9
1	2	211	6578	20192	17074	132	428	-172	6	14	13	17	4.1	5.0	3.6	5.4	2.2		-1.9
1	2	221	-800	272	5066	-256	-543	-184	1	1	3	12	3.0	3.0	3.0	3.0	0.6		-1.9

S.L.U. - AZIONI S.L.V. - VERIFICA SHELL C.A. - QUOTA: 1 ELEMENTO: 3

Gr.Q N.ro	Gen N.r	Nodo 3d N.ro	Nx Kg/m	Ny Kg/m	Txy Kg/m	Mx kgm/m	My kgm/m	Mxy kgm/m	εc x *10000	εc y *10000	εf x *10000	εf y *10000	Ax s.	Ay s.	Ax i.	Ay i.	Atag.	σt kg/cmq	eta mm
													---------- cmq/m ----------						
1	3	4	9955	19053	19954	333	767	114	8	7	17	16	4.1	5.2	4.5	6.7	2.5		-1.7
1	3	37	-103	-4688	5877	305	958	-187	1	3	10	9	2.0	2.1	2.0	2.6	0.8		-1.9
1	3	223	2519	13170	8593	-159	-169	-128	0	10	13	15	2.0	3.5	2.0	3.5	1.1		-1.8
1	3	230	-100	1869	2913	-154	-97	-130	1	1	5	9	2.0	2.0	2.0	2.0	0.4		-1.9

S.L.U. - AZIONI S.L.V. - VERIFICA SHELL C.A. - QUOTA: 1 ELEMENTO: 4

Gr.Q N.ro	Gen N.r	Nodo 3d N.ro	Nx Kg/m	Ny Kg/m	Txy Kg/m	Mx kgm/m	My kgm/m	Mxy kgm/m	εc x *10000	εc y *10000	εf x *10000	εf y *10000	Ax s.	Ay s.	Ax i.	Ay i.	Atag.	σt kg/cmq	eta mm
													---------- cmq/m ----------						
1	4	10	20653	41563	21671	-43	999	203	11	11	14	17	6.3	8.7	7.1	10.2	2.8		-2.0
1	4	39	4700	-3599	9669	-142	-1120	102	5	4	8	13	3.1	3.1	2.6	2.6	1.2		-2.2
1	4	193	2497	10562	5521	149	-659	129	0	0	12	17	2.0	3.3	2.0	3.1	0.7		-1.9
1	4	233	9301	27116	16587	55	298	-85	9	13	14	15	4.3	6.3	3.8	7.0	2.1		-2.2

S.L.E. - VERIFICA FESSURAZIONE VERIFICA SHELL C.A. - QUOTA: 1 ELEMENTO: 1

			FESSURAZIONI											TENSIONI		DIREZIONE X				DIREZIONE Y			
GrQ N.r	Gen N.r	Nodo N.ro	Comb. Cari	Fes lim	Fess mm	dis mm	Co mb	MfX (t*m)	NX (t)	MfY (t*m)	NY (t)	cos teta	sin teta	Combina Carico	σ lim. Kg/cmq	σ cal. Kg/cmq	Co mb	Mf (t*m)	N (t)	σ cal. Kg/cmq	Co mb	Mf (t*m)	N (t)
1	1	40	Rara											RaraCls	120.0	9.6	1	0.5	-0.9	36.7	1	2.6	-4.1
			Freq	0.4	0.00	0	1	0.3	-0.6	1.5	-2.7	0.000	0.000	RaraFer	3600	475	1	0.5	-0.9	1587	1	2.6	-4.1

S.L.E. - VERIFICA FESSURAZIONE VERIFICA SHELL C.A. - QUOTA: 1 ELEMENTO: 1

			FESSURAZIONI											TENSIONI		DIREZIONE X				DIREZIONE Y			
GrQ	Gen	Nodo	Comb.	Fes	Fess	dis	Co	MfX	NX	MfY	NY	cos	sin	Combina	σ lim.	σ cal.	Co	Mf	N	σ cal.	Co	Mf	N
N.r	N.r	N.ro	Cari	lim	mm	mm	mb	(t*m)	(t)	(t*m)	(t)	teta	teta	Carico	Kg/cmq	Kg/cmq	mb	(t*m)	(t)	Kg/cmq	mb	(t*m)	(t)
			Perm	0.3	0.00	0	1	0.3	-0.6	1.5	-2.7	0.000	0.000	PermCls	90.0	5.6	1	0.3	-0.6	22.0	1	1.5	-2.7
1	1	41	Rara											RaraCls	120.0	10.6	1	0.6	-0.9	40.3	1	2.9	-4.3
			Freq	0.4	0.00	0	1	0.4	-0.6	1.7	-2.8	0.000	0.000	RaraFer	3600	532	1	0.6	-0.9	1768	1	2.9	-4.3
			Perm	0.3	0.00	0	1	0.4	-0.6	1.7	-2.8	0.000	0.000	PermCls	90.0	6.9	1	0.4	-0.6	24.6	1	1.7	-2.8
1	1	42	Rara											RaraCls	120.0	11.4	1	0.6	-0.9	41.6	1	3.0	-4.3
			Freq	0.4	0.00	0	1	0.3	-0.6	1.7	-2.8	0.000	0.000	RaraFer	3600	579	1	0.6	-0.9	1840	1	3.0	-4.3
			Perm	0.3	0.00	0	1	0.3	-0.6	1.7	-2.8	0.000	0.000	PermCls	90.0	6.2	1	0.3	-0.6	24.5	1	1.7	-2.8
1	1	43	Rara											RaraCls	120.0	10.9	1	0.6	-0.9	39.8	1	2.8	-4.4
			Freq	0.4	0.00	0	1	0.4	-0.6	1.7	-2.8	0.000	0.000	RaraFer	3600	545	1	0.6	-0.9	1739	1	2.8	-4.4
			Perm	0.3	0.00	0	1	0.4	-0.6	1.7	-2.9	0.000	0.000	PermCls	90.0	6.5	1	0.4	-0.6	24.2	1	1.7	-2.9
1	1	234	Rara											RaraCls	120.0	0.8	1	-0.1	0.3	1.1	1	0.0	-3.1
			Freq	0.4	0.00	0	1	0.0	0.3	0.0	-2.6	0.000	0.000	RaraFer	3600	121	1	-0.1	0.3	12	1	0.0	-3.1
			Perm	0.3	0.00	0	1	0.0	0.3	0.0	-2.6	0.000	0.000	PermCls	90.0	0.4	1	0.0	0.3	0.9	1	0.0	-2.6
1	1	306	Rara											RaraCls	120.0	1.2	1	-0.1	-0.3	2.0	1	0.1	-3.5
			Freq	0.4	0.00	0	1	-0.1	-0.3	-0.1	-2.7	0.000	0.000	RaraFer	3600	41	1	-0.1	-0.3	20	1	0.1	-3.5
			Perm	0.3	0.00	0	1	-0.1	-0.2	-0.1	-2.7	0.000	0.000	PermCls	90.0	1.4	1	-0.1	-0.2	1.3	1	-0.1	-2.7
1	1	307	Rara											RaraCls	120.0	0.9	1	0.1	-0.2	1.3	1	0.0	-3.7
			Freq	0.4	0.00	0	1	0.0	-0.2	-0.1	-2.8	0.000	0.000	RaraFer	3600	33	1	0.1	-0.2	14	1	0.0	-3.7
			Perm	0.3	0.00	0	1	0.0	-0.1	-0.1	-2.8	0.000	0.000	PermCls	90.0	0.2	1	0.0	-0.1	1.3	1	-0.1	-2.8
1	1	308	Rara											RaraCls	120.0	1.9	1	-0.1	-0.3	8.8	1	0.5	-2.2
			Freq	0.4	0.00	0	1	0.0	-0.2	0.3	-1.6	0.000	0.000	RaraFer	3600	83	1	-0.1	-0.3	300	1	0.5	-2.2
			Perm	0.3	0.00	0	1	0.0	-0.2	0.3	-1.6	0.000	0.000	PermCls	90.0	0.9	1	-0.1	-0.2	4.1	1	0.3	-1.6
1	1	309	Rara											RaraCls	120.0	2.7	1	-0.2	-0.5	2.2	1	0.2	-2.3
			Freq	0.4	0.00	0	1	-0.1	-0.3	0.0	0.0	0.000	0.000	RaraFer	3600	108	1	-0.2	-0.5	21	1	0.2	-2.3
			Perm	0.3	0.00	0	1	-0.1	-0.3	0.0	0.0	0.000	0.000	PermCls	90.0	2.3	1	-0.1	-0.3	1.2	1	0.1	-1.7
1	1	310	Rara											RaraCls	120.0	3.5	1	-0.2	-0.2	9.9	1	0.6	-2.2
			Freq	0.4	0.00	0	1	0.1	-0.1	0.3	-1.6	0.000	0.000	RaraFer	3600	188	1	-0.2	-0.2	362	1	0.6	-2.2
			Perm	0.3	0.00	0	1	0.1	-0.1	0.3	-1.6	0.000	0.000	PermCls	90.0	2.6	1	-0.1	-0.1	5.4	1	0.3	-1.6

S.L.E. - VERIFICA FESSURAZIONE VERIFICA SHELL C.A. - QUOTA: 1 ELEMENTO: 1

			FESSURAZIONI											TENSIONI		DIREZIONE X				DIREZIONE Y			
GrQ N.r	Gen N.r	Nodo N.ro	Comb. Cari	Fes lim	Fess mm	dis mm	Co mb	MfX (t*m)	NX (t)	MfY (t*m)	NY (t)	cos teta	sin teta	Combina Carico	σ lim. Kg/cmq	σ cal. Kg/cmq	Co mb	Mf (t*m)	N (t)	σ cal. Kg/cmq	Co mb	Mf (t*m)	N (t)
1	1	311	Rara											RaraCls	120.0	7.4	1	0.4	-0.2	1.6	1	-0.1	-3.9
			Freq	0.4	0.00	0	1	0.2	-0.1	0.0	-2.6	0.000	0.000	RaraFer	3600	450	1	0.4	-0.2	16	1	-0.1	-3.9
			Perm	0.3	0.00	0	1	0.2	-0.1	0.0	-2.7	0.000	0.000	PermCls	90.0	4.0	1	0.2	-0.1	1.3	1	-0.1	-2.7
1	1	312	Rara											RaraCls	120.0	8.7	1	-0.5	-0.2	15.1	1	-0.8	-1.4
			Freq	0.4	0.00	0	1	-0.3	-0.2	-0.6	-1.0	0.000	0.000	RaraFer	3600	533	1	-0.5	-0.2	746	1	-0.8	-1.4
			Perm	0.3	0.00	0	1	-0.3	-0.2	-0.6	-1.0	0.000	0.000	PermCls	90.0	5.8	1	-0.3	-0.2	10.1	1	-0.6	-1.0
1	1	313	Rara											RaraCls	120.0	0.7	1	0.0	-0.3	1.0	1	0.1	-1.8
			Freq	0.4	0.00	0	1	0.0	-0.2	-0.1	-1.2	0.000	0.000	RaraFer	3600	14	1	0.0	-0.3	9	1	0.1	-1.8
			Perm	0.3	0.00	0	1	0.0	-0.2	-0.1	-1.2	0.000	0.000	PermCls	90.0	0.8	1	0.0	-0.2	0.8	1	-0.1	-1.2
1	1	314	Rara											RaraCls	120.0	7.3	1	-0.4	-0.3	13.3	1	-0.8	-1.4
			Freq	0.4	0.00	0	1	-0.2	-0.2	-0.5	-1.0	0.000	0.000	RaraFer	3600	407	1	-0.4	-0.3	642	1	-0.8	-1.4
			Perm	0.3	0.00	0	1	-0.2	-0.2	-0.5	-1.0	0.000	0.000	PermCls	90.0	4.4	1	-0.2	-0.2	8.4	1	-0.5	-1.0
1	1	315	Rara											RaraCls	120.0	3.3	1	-0.2	-0.8	4.9	1	-0.4	-4.8
			Freq	0.4	0.00	0	1	-0.2	-0.7	-0.4	-3.9	0.000	0.000	RaraFer	3600	115	1	-0.2	-0.8	46	1	-0.4	-4.8
			Perm	0.3	0.00	0	1	-0.2	-0.7	-0.4	-4.0	0.000	0.000	PermCls	90.0	3.3	1	-0.2	-0.7	4.7	1	-0.4	-4.0
1	1	316	Rara											RaraCls	120.0	3.9	1	-0.2	-0.4	3.9	1	-0.4	-4.6
			Freq	0.4	0.00	0	1	-0.2	-0.4	-0.4	-3.7	0.000	0.000	RaraFer	3600	185	1	-0.2	-0.4	38	1	-0.4	-4.6
			Perm	0.3	0.00	0	1	-0.2	-0.4	-0.3	-3.8	0.000	0.000	PermCls	90.0	3.8	1	-0.2	-0.4	3.7	1	-0.3	-3.8
1	1	317	Rara											RaraCls	120.0	3.0	1	-0.2	0.1	3.7	1	-0.2	-6.6
			Freq	0.4	0.00	0	1	-0.2	0.0	-0.3	-5.5	0.000	0.000	RaraFer	3600	212	1	-0.2	0.1	37	1	-0.2	-6.6
			Perm	0.3	0.00	0	1	-0.2	0.1	-0.2	-5.5	0.000	0.000	PermCls	90.0	3.1	1	-0.2	0.1	3.3	1	-0.2	-5.5
1	1	318	Rara											RaraCls	120.0	2.1	1	-0.1	-0.2	2.5	1	-0.2	-4.2
			Freq	0.4	0.00	0	1	-0.1	-0.2	-0.2	-3.3	0.000	0.000	RaraFer	3600	98	1	-0.1	-0.2	24	1	-0.2	-4.2
			Perm	0.3	0.00	0	1	-0.1	-0.2	-0.2	-3.3	0.000	0.000	PermCls	90.0	2.0	1	-0.1	-0.2	2.1	1	-0.2	-3.3
1	1	319	Rara											RaraCls	120.0	2.8	1	-0.2	0.0	2.2	1	-0.1	-4.2
			Freq	0.4	0.00	0	1	-0.1	0.0	-0.1	-3.4	0.000	0.000	RaraFer	3600	179	1	-0.2	0.0	22	1	-0.1	-4.2
			Perm	0.3	0.00	0	1	-0.1	0.0	-0.1	-3.4	0.000	0.000	PermCls	90.0	2.5	1	-0.1	0.0	1.9	1	-0.1	-3.4
1	1	320	Rara											RaraCls	120.0	2.3	1	-0.1	0.1	1.8	1	-0.1	-4.3

S.L.E. - VERIFICA FESSURAZIONE VERIFICA SHELL C.A. - QUOTA: 1 ELEMENTO: 1

			FESSURAZIONI											TENSIONI		DIREZIONE X				DIREZIONE Y			
GrQ	Gen	Nodo	Comb.	Fes	Fess	dis	Co	MfX	NX	MfY	NY	cos	sin	Combina	σ lim.	σ cal.	Co	Mf	N	σ cal.	Co	Mf	N
N.r	N.r	N.ro	Cari	lim	mm	mm	mb	(t*m)	(t)	(t*m)	(t)	teta	teta	Carico	Kg/cmq	Kg/cmq	mb	(t*m)	(t)	Kg/cmq	mb	(t*m)	(t)
			Freq	0.4	0.00	0	1	-0.1	0.1	-0.1	-3.6	0.000	0.000	RaraFer	3600	167	1	-0.1	0.1	19	1	-0.1	-4.3
			Perm	0.3	0.00	0	1	-0.1	0.1	-0.1	-3.5	0.000	0.000	PermCls	90.0	2.0	1	-0.1	0.1	1.6	1	-0.1	-3.5
1	1	321	Rara											RaraCls	120.0	1.5	1	-0.1	0.0	1.7	1	0.1	-3.5
			Freq	0.4	0.00	0	1	-0.1	0.0	-0.1	-2.7	0.000	0.000	RaraFer	3600	96	1	-0.1	0.0	17	1	0.1	-3.5
			Perm	0.3	0.00	0	1	-0.1	0.0	-0.1	-2.7	0.000	0.000	PermCls	90.0	1.6	1	-0.1	0.0	1.3	1	-0.1	-2.7
1	1	322	Rara											RaraCls	120.0	2.8	1	-0.2	0.1	1.5	1	0.1	-3.2
			Freq	0.4	0.00	0	1	-0.2	0.1	-0.1	-2.5	0.000	0.000	RaraFer	3600	209	1	-0.2	0.1	15	1	0.1	-3.2
			Perm	0.3	0.00	0	1	-0.1	0.1	-0.1	-2.5	0.000	0.000	PermCls	90.0	2.5	1	-0.1	0.1	1.2	1	-0.1	-2.5
1	1	323	Rara											RaraCls	120.0	2.6	1	-0.2	0.1	1.3	1	0.1	-2.8
			Freq	0.4	0.00	0	1	-0.1	0.1	-0.1	-2.3	0.000	0.000	RaraFer	3600	194	1	-0.2	0.1	13	1	0.1	-2.8
			Perm	0.3	0.00	0	1	-0.1	0.1	0.0	-2.3	0.000	0.000	PermCls	90.0	2.4	1	-0.1	0.1	1.0	1	0.0	-2.3
1	1	324	Rara											RaraCls	120.0	2.4	1	-0.1	0.0	7.9	1	0.5	-2.3
			Freq	0.4	0.00	0	1	0.0	0.0	0.3	-1.7	0.000	0.000	RaraFer	3600	167	1	-0.1	0.0	242	1	0.5	-2.3
			Perm	0.3	0.00	0	1	0.0	0.0	0.3	-1.7	0.000	0.000	PermCls	90.0	2.0	1	-0.1	0.0	4.2	1	0.3	-1.7
1	1	325	Rara											RaraCls	120.0	2.0	1	-0.1	0.0	1.1	1	0.1	-2.2
			Freq	0.4	0.00	0	1	-0.1	0.0	0.0	-1.6	0.000	0.000	RaraFer	3600	129	1	-0.1	0.0	11	1	0.1	-2.2
			Perm	0.3	0.00	0	1	-0.1	0.0	0.0	-1.6	0.000	0.000	PermCls	90.0	1.9	1	-0.1	0.0	0.6	1	0.0	-1.6
1	1	326	Rara											RaraCls	120.0	2.2	1	-0.1	0.1	0.8	1	0.0	-1.9
			Freq	0.4	0.00	0	1	-0.1	0.1	-0.1	-1.4	0.000	0.000	RaraFer	3600	166	1	-0.1	0.1	8	1	0.0	-1.9
			Perm	0.3	0.00	0	1	-0.1	0.1	-0.1	-1.4	0.000	0.000	PermCls	90.0	2.2	1	-0.1	0.1	0.8	1	-0.1	-1.4
1	1	327	Rara											RaraCls	120.0	8.9	1	-0.5	-0.2	15.2	1	-0.9	-1.5
			Freq	0.4	0.00	0	1	-0.3	-0.2	-0.5	-1.0	0.000	0.000	RaraFer	3600	541	1	-0.5	-0.2	745	1	-0.9	-1.5
			Perm	0.3	0.00	0	1	-0.3	-0.2	-0.5	-1.0	0.000	0.000	PermCls	90.0	5.4	1	-0.3	-0.2	9.4	1	-0.5	-1.0
1	1	328	Rara											RaraCls	120.0	1.8	1	-0.1	-0.3	2.0	1	-0.2	-1.8
			Freq	0.4	0.00	0	1	0.0	-0.2	-0.1	-1.2	0.000	0.000	RaraFer	3600	73	1	-0.1	-0.3	19	1	-0.2	-1.8
			Perm	0.3	0.00	0	1	0.0	-0.2	-0.1	-1.2	0.000	0.000	PermCls	90.0	0.7	1	0.0	-0.2	1.2	1	-0.1	-1.2
1	1	329	Rara											RaraCls	120.0	1.4	1	-0.1	-0.3	3.8	1	-0.3	-1.6
			Freq	0.4	0.00	0	1	-0.1	-0.2	-0.2	-1.1	0.000	0.000	RaraFer	3600	54	1	-0.1	-0.3	82	1	-0.3	-1.6

S.L.E. - VERIFICA FESSURAZIONE VERIFICA SHELL C.A. - QUOTA: 1 ELEMENTO: 1

			FESSURAZIONI											TENSIONI		DIREZIONE X				DIREZIONE Y			
GrQ N.r	Gen N.r	Nodo N.ro	Comb. Cari	Fes lim	Fess mm	dis mm	Co mb	MfX (t*m)	NX (t)	MfY (t*m)	NY (t)	cos teta	sin teta	Combina Carico	σ lim. Kg/cmq	σ cal. Kg/cmq	Co mb	Mf (t*m)	N (t)	σ cal. Kg/cmq	Co mb	Mf (t*m)	N (t)
			Perm	0.3	0.00	0	1	-0.1	-0.2	-0.2	-1.1	0.000	0.000	PermCls	90.0	1.7	1	-0.1	-0.2	3.6	1	-0.2	-1.1

S.L.E. - VERIFICA FESSURAZIONE VERIFICA SHELL C.A. - QUOTA: 1 ELEMENTO: 2

			FESSURAZIONI											TENSIONI		DIREZIONE X				DIREZIONE Y			
GrQ N.r	Gen N.r	Nodo N.ro	Comb. Cari	Fes lim	Fess mm	dis mm	Co mb	MfX (t*m)	NX (t)	MfY (t*m)	NY (t)	cos teta	sin teta	Combina Carico	σ lim. Kg/cmq	σ cal. Kg/cmq	Co mb	Mf (t*m)	N (t)	σ cal. Kg/cmq	Co mb	Mf (t*m)	N (t)
1	2	8	Rara											RaraCls	120.0	2.5	1	0.0	-7.0	8.4	1	0.1	-24.2
			Freq	0.4	0.00	0	1	0.0	-7.0	0.1	-22.2	0.000	0.000	RaraFer	3600	26	1	0.0	-7.0	88	1	0.1	-24.2
			Perm	0.3	0.00	0	1	0.0	-6.9	0.1	-22.0	0.000	0.000	PermCls	90.0	2.5	1	0.0	-6.9	7.6	1	0.1	-22.0
1	2	146	Rara											RaraCls	120.0	0.6	1	0.0	-1.6	0.0	0	0.0	0.0
			Freq	0.4	0.00	0	1	0.0	-1.5	0.0	3.0	0.000	0.000	RaraFer	3600	6	1	0.0	-1.6	151	1	0.0	2.2
			Perm	0.3	0.00	0	1	0.0	-1.5	0.0	2.7	0.000	0.000	PermCls	90.0	0.6	1	0.0	-1.5	0.0	0	0.0	0.0
1	2	211	Rara											RaraCls	120.0	1.4	1	0.0	-4.2	5.8	1	0.0	-17.9
			Freq	0.4	0.00	0	1	0.0	-4.1	0.0	-16.1	0.000	0.000	RaraFer	3600	15	1	0.0	-4.2	61	1	0.0	-17.9
			Perm	0.3	0.00	0	1	0.0	-4.0	0.0	-16.1	0.000	0.000	PermCls	90.0	1.3	1	0.0	-4.0	5.2	1	0.0	-16.1
1	2	221	Rara											RaraCls	120.0	1.1	1	-0.1	-0.7	2.2	1	-0.1	0.1
			Freq	0.4	0.00	0	1	-0.1	-0.7	-0.2	0.4	0.000	0.000	RaraFer	3600	13	1	-0.1	-0.7	168	1	-0.1	0.1
			Perm	0.3	0.00	0	1	-0.1	-0.7	-0.2	0.4	0.000	0.000	PermCls	90.0	1.5	1	-0.1	-0.7	2.5	1	-0.2	0.4

S.L.E. - VERIFICA FESSURAZIONE VERIFICA SHELL C.A. - QUOTA: 1 ELEMENTO: 3

			FESSURAZIONI											TENSIONI		DIREZIONE X				DIREZIONE Y			
GrQ N.r	Gen N.r	Nodo N.ro	Comb. Cari	Fes lim	Fess mm	dis mm	Co mb	MfX (t*m)	NX (t)	MfY (t*m)	NY (t)	cos teta	sin teta	Combina Carico	σ lim. Kg/cmq	σ cal. Kg/cmq	Co mb	Mf (t*m)	N (t)	σ cal. Kg/cmq	Co mb	Mf (t*m)	N (t)
1	3	4	Rara											RaraCls	120.0	7.3	1	0.3	-5.7	16.3	1	0.5	-20.6
			Freq	0.4	0.00	0	1	0.2	-5.7	0.4	-19.6	0.000	0.000	RaraFer	3600	67	1	0.3	-5.7	160	1	0.5	-20.6
			Perm	0.3	0.00	0	1	0.2	-5.6	0.4	-19.2	0.000	0.000	PermCls	90.0	6.0	1	0.2	-5.6	13.9	1	0.4	-19.2
1	3	37	Rara											RaraCls	120.0	3.2	1	0.1	-3.6	7.9	1	0.2	-9.5
			Freq	0.4	0.00	0	1	0.1	-3.0	0.3	-8.0	0.000	0.000	RaraFer	3600	30	1	0.1	-3.6	77	1	0.2	-9.5
			Perm	0.3	0.00	0	1	0.1	-3.0	0.3	-8.1	0.000	0.000	PermCls	90.0	3.4	1	0.1	-3.0	8.5	1	0.3	-8.1
1	3	223	Rara											RaraCls	120.0	2.8	1	-0.1	-3.6	8.7	1	-0.1	-14.9

S.L.E. - VERIFICA FESSURAZIONE VERIFICA SHELL C.A. - QUOTA: 1 ELEMENTO: 3

			FESSURAZIONI											TENSIONI		DIREZIONE X				DIREZIONE Y			
GrQ	Gen	Nodo	Comb.	Fes	Fess	dis	Co	MfX	NX	MfY	NY	cos	sin	Combina	σ lim.	σ cal.	Co	Mf	N	σ cal.	Co	Mf	N
N.r	N.r	N.ro	Cari	lim	mm	mm	mb	(t*m)	(t)	(t*m)	(t)	teta	teta	Carico	Kg/cmq	Kg/cmq	mb	(t*m)	(t)	Kg/cmq	mb	(t*m)	(t)
			Freq	0.4	0.00	0	1	-0.1	-3.5	-0.1	-14.0	0.000	0.000	RaraFer	3600	28	1	-0.1	-3.6	88	1	-0.1	-14.9
			Perm	0.3	0.00	0	1	-0.1	-3.5	-0.1	-13.8	0.000	0.000	PermCls	90.0	2.5	1	-0.1	-3.5	8.1	1	-0.1	-13.8
1	3	230	Rara											RaraCls	120.0	1.3	1	0.0	-0.8	4.2	1	-0.1	0.6
			Freq	0.4	0.00	0	1	-0.1	-0.6	-0.1	0.5	0.000	0.000	RaraFer	3600	11	1	0.0	-0.8	449	1	-0.1	0.6
			Perm	0.3	0.00	0	1	-0.1	-0.6	-0.1	0.5	0.000	0.000	PermCls	90.0	1.9	1	-0.1	-0.6	4.2	1	-0.1	0.5

S.L.E. - VERIFICA FESSURAZIONE VERIFICA SHELL C.A. - QUOTA: 1 ELEMENTO: 4

			FESSURAZIONI											TENSIONI		DIREZIONE X				DIREZIONE Y			
GrQ	Gen	Nodo	Comb.	Fes	Fess	dis	Co	MfX	NX	MfY	NY	cos	sin	Combina	σ lim.	σ cal.	Co	Mf	N	σ cal.	Co	Mf	N
N.r	N.r	N.ro	Cari	lim	mm	mm	mb	(t*m)	(t)	(t*m)	(t)	teta	teta	Carico	Kg/cmq	Kg/cmq	mb	(t*m)	(t)	Kg/cmq	mb	(t*m)	(t)
1	4	10	Rara											RaraCls	120.0	3.0	1	-0.1	-2.9	9.6	1	-0.3	-13.4
			Freq	0.4	0.00	0	1	-0.1	-3.3	-0.3	-13.0	0.000	0.000	RaraFer	3600	28	1	-0.1	-2.9	94	1	-0.3	-13.4
			Perm	0.3	0.00	0	1	-0.1	-3.1	-0.3	-12.6	0.000	0.000	PermCls	90.0	2.9	1	-0.1	-3.1	8.6	1	-0.3	-12.6
1	4	39	Rara											RaraCls	120.0	6.0	1	-0.2	-5.3	14.6	1	-0.6	-11.9
			Freq	0.4	0.00	0	1	-0.3	-3.6	-0.8	-8.6	0.000	0.000	RaraFer	3600	56	1	-0.2	-5.3	136	1	-0.6	-11.9
			Perm	0.3	0.00	0	1	-0.3	-3.7	-0.8	-8.7	0.000	0.000	PermCls	90.0	9.2	1	-0.3	-3.7	23.0	1	-0.8	-8.7
1	4	193	Rara											RaraCls	120.0	3.1	1	-0.1	-1.1	5.5	1	-0.3	-2.6
			Freq	0.4	0.00	0	1	-0.1	-1.1	-0.2	-1.5	0.000	0.000	RaraFer	3600	43	1	-0.1	-1.1	50	1	-0.3	-2.6
			Perm	0.3	0.00	0	1	-0.1	-1.0	-0.2	-1.7	0.000	0.000	PermCls	90.0	2.5	1	-0.1	-1.0	4.3	1	-0.2	-1.7
1	4	233	Rara											RaraCls	120.0	1.2	1	0.0	-1.4	6.7	1	-0.2	-11.0
			Freq	0.4	0.00	0	1	0.0	-1.7	-0.1	-10.3	0.000	0.000	RaraFer	3600	11	1	0.0	-1.4	67	1	-0.2	-11.0
			Perm	0.3	0.00	0	1	0.0	-1.5	-0.1	-10.1	0.000	0.000	PermCls	90.0	1.3	1	0.0	-1.5	6.0	1	-0.1	-10.1

R E L A Z I O N E G E O T E C N I C A

Sono illustrati con la presente i risultati dei calcoli che riguardano il progetto delle armature, la verifica delle tensioni di lavoro dei materiali e del terreno.

- **NORMATIVA DI RIFERIMENTO**

I calcoli sono condotti nel pieno rispetto della normativa vigente e, in particolare, la normativa cui viene fatto riferimento nelle fasi di calcolo, verifica e progettazione è costituita dalle *Norme Tecniche per le Costruzioni*, emanate con il D.M. 17/01/2018 pubblicato nel suppl. 8 G.U. 42 del 20/02/2018, nonché la Circolare del Ministero Infrastrutture e Trasporti del 21 Gennaio 2019, n. 7 "*Istruzioni per l'applicazione delle nuove norme tecniche per le costruzioni*".

Per il calcolo delle strutture in oggetto si adotteranno i criteri della Geotecnica e della Scienza delle Costruzioni.

- **CAPACITÀ PORTANTE DI FONDAZIONI SUPERFICIALI**

La verifica della capacità portante consiste nel confronto tra la pressione verticale di esercizio in fondazione e la pressione limite per il terreno, valutata secondo *Brinch-Hansen*:

$$q_{lim} = q\ Nq\ Yq\ iq\ dq\ bq\ gq\ sq + c\ Nc\ Yc\ ic\ dc\ bc\ gc\ sc + \frac{1}{2} G\ B'\ Ng\ Yg\ ig\ bg\ sg$$

dove

Caratteristiche geometriche della fondazione:

q = *carico sul piano di fondazione*
B = *lato minore della fondazione*
L = *lato maggiore della fondazione*
D = *profondità della fondazione*
α = *inclinazione base della fondazione*
G = p*eso specifico del terreno*
B' = *larghezza di fondazione ridotta = B - 2 eB*
L' = *lunghezza di fondazione ridotta = L - 2 eL*

Caratteristiche di carico sulla fondazione:

H = *risultante delle forze orizzontali*
N = *risultante delle forze verticali*
eB = *eccentricità del carico verticale lungo B*
eL = *eccentricità del carico verticale lungo L*
FhB = *forza orizzontale lungo B*
FhL = *forza orizzontale lungo L*

Caratteristiche del terreno di fondazione:

β = *inclinazione terreno a valle*

c = cu = *coesione non drenata (condizioni U)*
c = c' = *coesione drenata (condizioni D)*
Γ = *peso specifico apparente (condizioni U)*
Γ = Γ' = *peso specifico sommerso (condizioni D)*
ϕ = 0 = *angolo di attrito interno (condizioni U)*
ϕ = ϕ' = *angolo di attrito interno (condizioni D)*

Fattori di capacità portante:

(*Prandtl-Caquot-Meyerhof*)

$Ng = 2(Nq+1)\tan\varphi$ (*Vesic*)

$$Nc=\frac{Nq-1}{\tan\varphi}$$ in condizioni D (*Reissner-Meyerhof*)

$Nc=5,14$ in condizioni U

Indici di rigidezza (condizioni D):

$$Ir=\frac{G}{c'+q'\tan\varphi}$$ = indice di rigidezza

q' = pressione litostatica efficace alla profondità $D+\frac{B}{2}$

$$G=\frac{E}{2(1+\mu)}$$ = modulo elastico tangenziale

E = modulo elastico normale

μ =coefficiente di *Poisson*

$$Icr=\frac{1}{2}\exp\left[\frac{3,3-0,45\frac{B}{L}}{\tan\left(45-\frac{\varphi'}{2}\right)}\right]$$ = indice di rigidezza critico

Coefficienti di punzonamento (*Vesic*):

$$Yq=Yg=\exp\left[\left(0,6\frac{B}{L}-4,4\right)\tan\varphi'+\frac{3,07\sin\varphi'\log(2Ir)}{1+\sin\varphi'}\right]$$ in condizioni drenate, per Ir ≤ Icr

$$Yc=Yq-\frac{1-Yq}{Nq\times\tan\varphi'}$$

Coefficienti di inclinazione del carico (*Vesic*):

$$ig=\left(\frac{1-H}{N+B\times L\times c'\times\cot ang\varphi'}\right)^{m+1}$$

$$iq=\left(\frac{1-H}{N+B\times L\times c'\times\cot\varphi'}\right)^{m}$$

$$ic=iq-\frac{1-iq}{Nc\times\tan\varphi'}$$ in condizioni D

$$ic=1-\frac{m\times H}{B\times L\times cu\times Nc}$$ in condizioni U

essendo:

$$m=mB\cos^2\Theta+mL\sin^2\Theta$$

$$mB=\frac{2+\frac{B'}{L'}}{1+\frac{B'}{L'}}\qquad mL=\frac{2+\frac{L'}{B'}}{1+\frac{L'}{B'}}\qquad \Theta=\tan^{-1}\frac{Fh\times B}{Fh\times L}$$

Coefficienti di affondamento del piano di posa (*Brinch-Hansen*):

$$dq=1+2\tan\varphi(1-\sin\varphi)^2\operatorname{arctg}\frac{D}{B'}$$ per D > B'

$$dq=1+2\frac{D}{B'}\tan\varphi(1-\sin\varphi)^2$$ per D ≤ B'

$$dc=dq-\frac{1-dq}{Nc\times\tan\varphi}$$ in condizioni D

$$dc = 1 + 0,4 \arctan\frac{D}{B'}$$ per D > B' in condizioni U

$$dc = 1 + 0,4\frac{D}{B'}$$ per D ≤ B' in condizioni U

Coefficienti di inclinazione del piano di posa:

$$bg = \exp(-2,7\alpha\tan\varphi)$$
$$bc = bq = \exp(-2\alpha\tan\varphi)$$ in condizioni D

$$bc = 1 - \frac{\alpha}{147}$$ in condizioni U

$$bq = 1$$ in condizioni U)

Coefficienti di inclinazione del terreno di fondazione:

$$gc = gq = \sqrt{1 - 0,5\tan\beta}$$ in condizioni D

$$gc = 1 - \frac{\beta}{147}$$ in condizioni U

$$gq = 1$$ in condizioni U

Coefficienti di forma (*De Beer*):

$$sg = 1 - 0,4\frac{B'}{L'}$$
$$sq = 1 + \frac{B'}{L'}\tan\varphi$$
$$sc = 1 + \frac{B'}{L'}\frac{Nq}{Nc}$$

L'azione del sisma si traduce in accelerazioni nel sottosuolo (effetto cinematico) e nella fondazione, per l'azione delle forze d'inerzia generate nella struttura in elevazione (effetto inerziale). Tali effetti possono essere portati in conto mediante l'introduzione di coefficienti sismici rispettivamente denominati Khi e Igk, il primo definito dal rapporto tra le componenti orizzontale e verticale dei carichi trasmessi in fondazione ed il secondo funzione dell'accelerazione massima attesa al sito. L'effetto inerziale produce variazioni di tutti i coefficienti di capacità portante del carico limite in funzione del coefficiente sismico Khi e viene portato in conto impiegando le formule comunemente adottate per calcolare i coefficienti correttivi del carico limite in funzione dell'inclinazione, rispetto alla verticale, del carico agente sul piano di posa. Nel caso in cui sia stato attivato il flag per tener conto degli effetti cinematici il valore Igk modifica invece il solo coefficiente Ng; il fattore Ng viene infatti moltiplicato sia per il coefficiente correttivo dell'effetto inerziale, sia per il coefficiente correttivo per l'effetto cinematico.

- **CALCOLO DEI CEDIMENTI**

Il calcolo viene eseguito sulla base della conoscenza delle tensioni nel sottosuolo.

$$\mu = \int \frac{\sigma(z)}{E} dz$$

essendo

E = modulo elastico o edometrico
σ(z) = tensione verticale nel sottosuolo dovuta all'incremento di carico q

La distribuzione delle tensioni verticali viene valutata secondo l'espressione di *Steinbrenner*, considerando la pressione agente uniformemente su una superficie rettangolare di dimensioni B e L:

$$\sigma(z)=\frac{q}{4\pi}\left[\frac{2\times M\times N\times\sqrt{V}\times(V+1)}{V(V+V1)}+|arc\tan\frac{2\times M\times N\times\sqrt{V}}{V-V1}|\right]$$

con:

M = B / z
N = L / z
$V = M^2 + N^2 + 1$
$V1 = (M \times N)^2$

- **SPECIFICHE CAMPI TABELLA DI STAMPA**

Si riporta di seguito la spiegazione delle sigle usate nella tabella di stampa dei dati geometrici delle travi *Winkler*.

Trave : *numero sequenziale della trave*

Asta3d : *numero asta tipo in C.D.S. Win (spaziale)*

Filo Iniz : *primo filo fisso*

Filo Fin. : *secondo filo fisso*

Nodo3d In. : *numero Nodo3d primo filo fisso*

Nodo3d Fin : *numero Nodo3d secondo filo fisso*

X3d In. : *ascissa Nodo3d Iniziale*

Y3d In. : *ordinata Nodo3d Iniziale*

Z3d In. : *quota Nodo3d Iniziale*

X3d Fin : *ascissa Nodo3d finale*

Y3d Fin : *ordinata Nodo3d finale*

Z3d Fin : *quota Nodo3d finale*

Xfond : *ascissa baricentro fondazione*

Yfond : *ordinata baricentro fondazione*

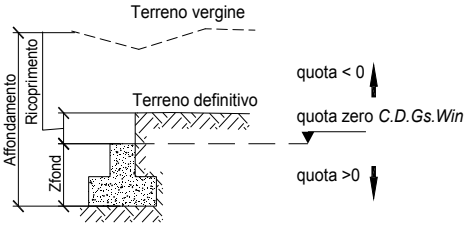
Zfond : *quota baricentro base di fondazione nel riferimento di C.D.Gs. Win*

Bfond : *dimensione trasversale trave Winkler*

Lfond : *dimensione longitudinale trave Winkler*

- **SPECIFICHE CAMPI TABELLA DI STAMPA**

Si riporta di seguito la spiegazione delle sigle usate nella tabella di stampa della stratigrafia del terreno sottostante le travi *Winkler*.



NOTA: La quota zero di *C.D.Gs. Win* coincide con la quota numero zero dell'alberello quote di *C.D.S. Win* ma cambia la convenzione nel segno: infatti in C. D. Gs. le quote sono positive crescenti procedendo verso il basso, mentre in *C. D. S.* le quote sono positive crescenti verso l'alto.

Trave : *numero di trave*

Q.t.v. : *quota terreno vergine*

Q.t.d. : *quota definitiva terreno*

Q.falda : *quota falda*

InclTer : *inclinazione terreno*

Numero strato : *Numero dello strato a cui si riferiscono i dati che seguono*

Sp.str. : *Spessore strato. L'ultimo strato ha spessore indefinito, pertanto il relativo dato non viene stampato*

Peso Sp : *peso specifico*

Fi : *angolo di attrito interno in gradi*

C' : *coesione drenata*

Cu : *coesione non drenata*

Mod.El. : *modulo elastico*

Poisson : *coefficiente di Poisson*

Gr.Sovr : *grado di sovraconsolidazione*

Mod.Ed : *modulo edometrico*

- **SPECIFICHE CAMPI TABELLA DI STAMPA**

Si riporta di seguito la spiegazione delle sigle usate nella tabella di stampa delle risultanti delle sollecitazioni agenti sull'area d'impronta delle travi *Winkler*, nel sistema di riferimento locale (y=asse trave).

Trave	: *numero di trave sequenziale*
Comb.	: *Numero della combinazione a cui si riferiscono i dati che seguono*
Rv	: *Risultante delle pressioni verticali*
Vx	: *Risultante delle sollecitazioni agenti parallelamente all'asse x locale dell' asta*
Vy	: *Risultante delle sollecitazioni agenti parallelamente all'asse y locale dell' asta*
Mrx	: *Momento risultante di asse vettore x nel sistema di riferimento locale dell' asta (momento flettente)*
Mry	: *Momento risultante di asse vettore y nel sistema di riferimento locale dell' asta (momento torcente)*

- **SPECIFICHE CAMPI TABELLA DI STAMPA**

Si riporta di seguito la spiegazione delle sigle usate nella tabella di stampa della portanza delle fondazioni superficiali (travi *Winkler*, plinti e piastre) in condizioni drenate e non drenate.

Tabella 1: PARAMETRI GEOTECNICI

Trave, Plinto o Piastra	: *Numero elemento*
Infiss	: *Infissione base fondazione dalla quota di terreno definitivo (Zfond+Ricoprimento)*
Tipo Tabella	: *Tipo di tabella (M1/M2) per i coeff. parziali per i parametri del terreno*
Gamma	: *Peso specifico totale di calcolo*
Fi	: *Angolo di attrito interno di calcolo in gradi*
Coes	: *Coesione drenata di calcolo*
Mod.El.	: *Modulo elastico di calcolo*
Poiss	: *Coefficiente di Poisson*
P base	: *Pressione litostatica base di fondazione in condizioni drenate*
Indice Rigid.	: *Indice di rigidezza*
IndRig Crit.	: *Indice di rigidezza critico*
Cu	: *Coesione non drenata*
Pbase	: *Pressione litostatica base di fondazione in cond. non drenate*

Tabella 2: COEFFICIENTI DI PORTANZA

Trave, Plinto o Piastra	: *Numero elemento*
Nc	: *Coefficiente di portanza di Brinch-Hansen*
Nq	: *Coefficiente di portanza di Brinch-Hansen*
Ng	: *Coefficiente di portanza di Brinch-Hansen*
Gc	: *Coefficiente di inclinazione del terreno*
Gq	: *Coefficiente di inclinazione del terreno*
bc	: *Coefficiente di inclinazione del piano di posa*
bq	: *Coefficiente di inclinazione del piano di posa*
Igk	: *Coefficiente per effetti cinematici*
Comb.Nro	: *Numero della combinazione di carico*
Icv	: *Coefficiente di inclinazione del carico*
Iqv	: *Coefficiente di inclinazione del carico*
Igv	: *Coefficiente di inclinazione del carico*
Dc	: *Coefficiente di affondamento del piano di posa*
Dq	: *Coefficiente di affondamento del piano di posa*

Dg : *Coefficiente di affondamento del piano di posa*
Sc : *Coefficiente di forma*
Sq : *Coefficiente di forma*
Sg : *Coefficiente di forma*
Psic : *Coefficiente di punzonamento*
Psiq : *Coefficiente di punzonamento*
Psig : *Coefficiente di punzonamento*

Tabella 3: PORTANZA (per Risultanti)

Trave, Plinto o Piastra : *Numero elemento in numerazione calcolo C.D.Gs. Win*
Asta3d, Filo : *Identificativo di input*
Comb. : *Numero della combinazione a cui si riferiscono i dati che seguono*
Bx' : *Base di fondazione ridotta lungo x per eccentricità*
By' : *Base di fondazione ridotta lungo y per eccentricità*
GamEf : *Peso specifico efficace di calcolo*
QlimV : *Carico limite in condiz. drenate o non drenate comprensivo dei Coeff. Parziali R1/R2/R3*
N : *Carico verticale agente*
Coeff.Sicur. : *Minimo tra i rapporti (QlimV/N) tra la condiz. drenata e quella non drenata per la combinazione in esame*

Tra tutte le combinazioni vengono riportati i seguenti dati:

Minimo CoeSic : *Minimo coefficiente di sicurezza*
N/Ar : *Tensione media agente sull' impronta ridotta*
Qlim/Ar : *Tensione limite sull' impronta ridotta*
Status Verifica : *Si possono avere i seguenti messaggi:*

OK *= Verifica soddisfatta*

NONVERIF *= Non verifica nei seguenti casi:*
Coefficiente di sicurezza minore di 1
Se Bx=0 o By=0 per eccentricita' eccessiva dei carichi
Se QlimV=0 per inclinazione dei carichi eccessiva a causa di forze orizzontali elevate

SCARICA *= Verifica soddisfatta:Impronta non sollecitata o in trazione*

DECOMPR *= Verifica soddisfatta:*
lo sforzo agente sull'elemento è di trazione, ma la risultante dei carichi agenti sul terreno è di debole compressione per effetto del peso proprio dell'elemento stesso.

Tabella 3: PORTANZA (per Tensioni)

Trave, Plinto o Piastra : *Numero elemento in numerazione calcolo C.D.Gs. Win*
Asta3d, Filo : *Identificativo di input*
Comb. : *Numero della combinazione a cui si riferiscono i dati che seguono*
Bx' : *Base di fondazione ridotta lungo x per eccentricità*
By' : *Base di fondazione ridotta lungo y per eccentricità*
GamEf : *Peso specifico efficace di calcolo*
SgmLimV : *Tensione limite in condiz. drenate o non drenate*
SgmTerr : *Tensione elastica massima sul terreno*

Coeff.Sicur. : *Minimo tra i rapporti (SgmLimV/SgmTerr) tra la condiz. drenata e quella non drenata per la combinazione in esame*

Tra tutte le combinazioni vengono riportati i seguenti dati:

Minimo CoeSic : *Minimo coefficiente di sicurezza*
N/Ar : *Tensione media agente sull' impronta ridotta*
Qlim/Ar : *Tensione limite media sull' impronta ridotta (SgmLimV minima)*
Status Verifica : *Si possono avere i seguenti messaggi:*

OK *= Verifica soddisfatta*

NOVERIF *= Non verifica nei seguenti casi:*
Coefficiente di sicurezza minore di 1
Se Bx=0 o By=0 per eccentricita' eccessiva dei carichi
Se SgmLimV=0 per inclinazione dei carichi eccessiva a causa di forze orizzontali elevate

SCARICA *= Impronta non sollecitata o in trazione*

DECOMPR *= Verifica soddisfatta:*
lo sforzo agente sull'elemento è di trazione, ma la risultante dei carichi agenti sul terreno è di debole compressione per effetto del peso proprio dell'elemento stesso.

DATI GENERALI

COEFFICIENTI PARZIALI GEOTECNICA

	TABELLA M1	TABELLA M2
Tangente Resist. Taglio	1.00	
Peso Specifico	1.00	
Coesione Efficace (c'k)	1.00	
Resist. a taglio NON drenata (cuk)	1.00	
Tipo Approccio	Combinazione Unica: (A1+M1+R3)	
Tipo di fondazione	Su Pali Infissi	

	COEFFICIENTE R1	COEFFICIENTE R2	COEFFICIENTE R3
Capacita' Portante			2.30
Scorrimento			1.10
Resist. alla Base			1.15
Resist. Lat. a Compr.			1.15
Resist. Lat. a Traz.			1.25
Carichi Trasversali			1.30
Fattore di correlazione CSI per il calcolo di Rk pali			1.70

DATI GENERALI

COEFFICIENTI PARZIALI GEOTECNICA

	TABELLA M1	TABELLA M2

CRITERI DI PROGETTO GEOTECNICI - FONDAZIONI SUPERFICIALI

IDEN	CARATTERISTICHE DI SITO					IDEN	CARATTERISTICHE DI SITO					IDEN	CARATTERISTICHE DI SITO				
Crit N.ro	Falda (m)	Affond (m)	Ricopr (m)	Pend.X (grd)	Pend.Y (Grd)	Crit N.ro	Falda (m)	Affond (m)	Ricopr (m)	Pend.X (grd)	Pend.Y (Grd)	Crit N.ro	Falda (m)	Affond (m)	Ricopr (m)	Pend.X (grd)	Pend.Y (Grd)
1		0.00	0.00	0	0	2		0.85	0.10	0	0						

GEOMETRIA TRAVI WINKLER

IDENTIFICATIVO						COORDINATE 3D ESTREMI ASTA WINKLER						DATI IMPRONTA				
Trave N.ro	Ast3d N.ro	Fil In.	Fil Fin	Nod3d Iniz.	Nod3d Fin.	X3dIn. (m)	Y3dIn. (m)	Z3dIn. (m)	X3dFin (m)	Y3dFin (m)	Z3dFin (m)	Xfond (m)	Yfond (m)	Zfond (m)	Bfond (m)	Lfond (m)
1	1	1	2	1	2	0.00	0.00	0.00	4.02	0.00	0.00	2.14	0.00	0.50	0.90	4.02
2	2	7	9	3	10	0.00	2.83	0.00	19.08	2.83	0.00	9.63	2.88	0.50	1.10	19.07
3	3	11	15	5	9	-0.17	5.28	0.00	19.08	5.27	0.00	9.45	5.27	0.50	1.10	19.25
4	4	7	11	3	5	0.00	2.83	0.00	-0.17	5.28	0.00	0.38	4.20	0.50	1.50	2.45
5	5	10	14	12	7	9.55	0.00	0.00	9.55	5.28	0.00	9.55	2.64	0.50	0.60	5.28
6	6	6	15	15	9	19.05	0.00	0.00	19.08	5.27	0.00	18.77	2.72	0.50	0.90	5.27
7	7	1	7	1	3	0.00	0.00	0.00	0.00	2.83	0.00	0.08	1.48	0.50	0.90	2.83
8	8	2	3	2	11	4.02	0.00	0.00	7.79	0.00	0.00	5.90	0.00	0.50	0.90	3.77
9	9	3	4	11	13	7.79	0.00	0.00	11.56	0.00	0.00	9.67	0.00	0.50	0.90	3.77
10	10	4	5	13	14	11.56	0.00	0.00	15.33	0.00	0.00	13.44	0.00	0.50	0.90	3.77
11	11	5	6	14	15	15.33	0.00	0.00	19.05	0.00	0.00	17.21	0.00	0.50	0.90	3.72

STRATIGRAFIA TRAVI WINKLER

Trave N.ro	Q.t.v. (m)	Q.t.d. (m)	Q.falda (m)	Incl Grd	Kw kg/cmc	Numero Strato	Sp.str. (m)	Peso Sp kg/mc	Fi' (Grd)	C' kg/cmq	Cu kg/cmq	Mod.El. kg/cmq	Poisson	Gr.Sovr	Mod.Ed. kg/cmq
1	-0.35	-0.10		0	4.00	1		1900	28.00	0.00	0.00	50.00	0.20	1.00	50.00
2	-0.35	-0.10		0	4.00	1		1900	28.00	0.00	0.00	50.00	0.20	1.00	50.00
3	-0.35	-0.10		0	4.00	1		1900	28.00	0.00	0.00	50.00	0.20	1.00	50.00
4	-0.35	-0.10		0	4.00	1		1900	28.00	0.00	0.00	50.00	0.20	1.00	50.00
5	-0.35	-0.10		0	4.00	1		1900	28.00	0.00	0.00	50.00	0.20	1.00	50.00
6	-0.35	-0.10		0	4.00	1		1900	28.00	0.00	0.00	50.00	0.20	1.00	50.00
7	-0.35	-0.10		0	4.00	1		1900	28.00	0.00	0.00	50.00	0.20	1.00	50.00
8	-0.35	-0.10		0	4.00	1		1900	28.00	0.00	0.00	50.00	0.20	1.00	50.00
9	-0.35	-0.10		0	4.00	1		1900	28.00	0.00	0.00	50.00	0.20	1.00	50.00
10	-0.35	-0.10		0	4.00	1		1900	28.00	0.00	0.00	50.00	0.20	1.00	50.00
11	-0.35	-0.10		0	4.00	1		1900	28.00	0.00	0.00	50.00	0.20	1.00	50.00

COMBINAZIONI CARICHI - S.L.U. - A1

DESCRIZIONI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Peso Strutturale	1.30	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Perm.Non Strutturale	1.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

COMBINAZIONI CARICHI - S.L.U. - A1

DESCRIZIONI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Var.Bibl.Arch.	1.50	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
Var.Coperture	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAsse	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Corr. Tors. dir. 0	0.00	1.00	-1.00	1.00	-1.00	1.00	-1.00	1.00	-1.00	-1.00	1.00	-1.00	1.00	-1.00	1.00
Corr. Tors. dir. 90	0.00	0.30	0.30	-0.30	-0.30	-0.30	-0.30	0.30	0.30	0.30	0.30	-0.30	-0.30	-0.30	-0.30
Sisma direz. grd 0	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
Sisma direz. grd 90	0.00	0.30	0.30	0.30	0.30	-0.30	-0.30	-0.30	-0.30	0.30	0.30	0.30	0.30	-0.30	-0.30

COMBINAZIONI CARICHI - S.L.U. - A1

DESCRIZIONI	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Peso Strutturale	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Perm.Non Strutturale	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Var.Bibl.Arch.	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
Var.Coperture	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAsse	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Corr. Tors. dir. 0	-1.00	1.00	0.30	-0.30	0.30	-0.30	0.30	-0.30	0.30	-0.30	-0.30	0.30	-0.30	0.30	-0.30
Corr. Tors. dir. 90	0.30	0.30	1.00	1.00	-1.00	-1.00	-1.00	-1.00	1.00	1.00	1.00	1.00	-1.00	-1.00	-1.00
Sisma direz. grd 0	-1.00	-1.00	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	-0.30	-0.30	-0.30	-0.30	-0.30
Sisma direz. grd 90	-0.30	-0.30	1.00	1.00	1.00	1.00	-1.00	-1.00	-1.00	-1.00	1.00	1.00	1.00	1.00	-1.00

COMBINAZIONI CARICHI - S.L.U. - A1

DESCRIZIONI	31	32	33
Peso Strutturale	1.00	1.00	1.00
Perm.Non Strutturale	1.00	1.00	1.00
Var.Bibl.Arch.	0.80	0.80	0.80
Var.Coperture	0.00	0.00	0.00
MAsse	0.00	0.00	0.00
Corr. Tors. dir. 0	0.30	-0.30	0.30
Corr. Tors. dir. 90	-1.00	1.00	1.00
Sisma direz. grd 0	-0.30	-0.30	-0.30
Sisma direz. grd 90	-1.00	-1.00	-1.00

COMBINAZIONI RARE - S.L.E.

DESCRIZIONI	1
Peso Strutturale	1.00
Perm.Non Strutturale	1.00
Var.Bibl.Arch.	1.00
Var.Coperture	1.00
MAsse	0.00
Corr. Tors. dir. 0	0.00
Corr. Tors. dir. 90	0.00
Sisma direz. grd 0	0.00
Sisma direz. grd 90	0.00

COMBINAZIONI FREQUENTI - S.L.E.

DESCRIZIONI	1
Peso Strutturale	1.00
Perm.Non Strutturale	1.00
Var.Bibl.Arch.	0.90
Var.Coperture	0.00
MAsse	0.00
Corr. Tors. dir. 0	0.00
Corr. Tors. dir. 90	0.00
Sisma direz. grd 0	0.00
Sisma direz. grd 90	0.00

COMBINAZIONI PERMANENTI - S.L.E.

DESCRIZIONI	1
Peso Strutturale	1.00
Perm.Non Strutturale	1.00
Var.Bibl.Arch.	0.80
Var.Coperture	0.00
MAsse	0.00
Corr. Tors. dir. 0	0.00
Corr. Tors. dir. 90	0.00
Sisma direz. grd 0	0.00

COMBINAZIONI PERMANENTI - S.L.E.	
DESCRIZIONI	1
Sisma direz. grd 90	0.00

RISULTANTI SOLLECITAZIONI TRAVI WINKLER - SLU

Trave N.ro	Combinazione N.ro		Rv (kg)	Vx (kg)	Vy (kg)	Mrx kg*cm	Mry kg*cm
1		A1/1	16027	0	0	70539	10296
	X+	A1/8	8271	41	326	85781	12201
	X-	A1/17	13620	716	732	138831	1582
	Y+	A1/27	6259	555	62	171313	17714
	Y-	A1/33	14916	1535	564	194308	1757
2		A1/1	149832	0	0	2567746	469421
	X+	A1/5	90452	4753	4862	3182438	364762
	X-	A1/17	105169	5527	5654	6155500	214601
	Y+	A1/21	76533	7875	2894	1001740	559089
	Y-	A1/33	119087	12254	4503	3974803	20274
3		A1/1	270490	0	0	3417089	320027
	X+	A1/2	181492	9538	9756	17143874	282301
	X-	A1/12	191941	940	7574	9796880	317361
	Y+	A1/18	220235	22662	8327	12190687	549564
	Y-	A1/30	123208	12678	4658	7571956	167307
4		A1/1	32620	0	0	215584	13761
	X+	A1/5	16377	880	861	267602	4232
	X-	A1/14	25451	1368	1337	553298	11677
	Y+	A1/28	23582	232	2089	473686	5691
	Y-	A1/30	21326	806	2194	104901	13137
5		A1/1	26465	0	0	1320663	122
	X+	A1/5	18202	979	957	1003189	568
	X-	A1/14	15756	847	828	708918	533
	Y+	A1/21	14607	552	1503	1301723	432
	Y-	A1/23	20660	203	1831	417242	205
6		A1/1	35251	0	0	1884989	14639
	X+	A1/2	30529	1641	1604	1676635	5978
	X-	A1/11	11410	450	56	1471949	1692
	Y-	A1/23	32013	315	2837	38797	30436
	Y+	A1/27	13874	137	1229	2393919	10213
7		A1/1	11999	0	0	64863	4574
	X+	A1/8	6491	256	32	59210	2191
	X-	A1/17	11754	632	618	18164	5270

RISULTANTI SOLLECITAZIONI TRAVI WINKLER - SLU

Trave N.ro	Combinazione N.ro		Rv (kg)	Vx (kg)	Vy (kg)	Mrx kg*cm	Mry kg*cm
	Y+	A1/27	4065	40	360	70226	2049
	Y-	A1/33	13277	502	1366	10692	7633
8		A1/1	17605	0	0	38442	10263
	X+	A1/2	10158	534	546	131738	7656
	X-	A1/14	10435	548	561	94451	13053
	Y+	A1/18	9155	942	346	11229	17474
	Y-	A1/24	11609	1029	114	109220	943
9		A1/1	15776	0	0	10266	9081
	X+	A1/7	10077	49	398	48593	10042
	X-	A1/14	9856	518	530	66722	9905
	Y+	A1/21	7356	757	278	67696	9104
	Y-	A1/30	11368	1170	430	58603	10452
10		A1/1	17362	0	0	2187	13084
	X+	A1/2	9901	520	532	14958	18401
	X-	A1/14	10494	551	564	14888	4785
	Y+	A1/21	9078	934	343	14718	23499
	Y-	A1/30	11334	1166	429	10954	1389
11		A1/1	12989	0	0	189543	17429
	X+	A1/7	10959	54	432	155328	8856
	X-	A1/14	8182	430	440	185323	12466
	Y-	A1/23	13249	1174	130	194741	4779
	Y+	A1/27	2869	254	28	373198	21356

RISULTANTI SOLLECITAZIONI TRAVI WINKLER - SLD

Trave N.ro	Combinazione N.ro		Rv (kg)	Vx (kg)	Vy (kg)	Mrx kg*cm	Mry kg*cm
1		SLD/1	16027	0	0	70539	10296
	X+	SLD/8	8717	24	194	67353	11427
	X-	SLD/17	12029	356	364	71694	4853
	Y+	SLD/27	7471	373	41	120301	14840
	Y-	SLD/33	12831	743	273	106037	2786
2		SLD/1	149832	0	0	2567746	469421
	X+	SLD/8	101067	279	2244	731707	235303
	X-	SLD/17	102366	3027	3097	4376867	243203
	Y+	SLD/18	84727	4906	1803	644370	456192
	Y-	SLD/33	110982	6427	2361	3026901	122904

RISULTANTI SOLLECITAZIONI TRAVI WINKLER - SLD

Trave N.ro	Combinazione N.ro		Rv (kg)	Vx (kg)	Vy (kg)	Mrx kg*cm	Mry kg*cm
3		SLD/1	270490	0	0	3417089	320027
	X+	SLD/2	177770	5258	5378	11492701	247569
	X-	SLD/11	184325	508	4093	4019758	270491
	Y+	SLD/18	201753	11683	4293	8426419	413019
	Y-	SLD/33	141834	8214	3018	1857110	28722
4		SLD/1	32620	0	0	215584	13761
	X+	SLD/5	18061	546	534	115038	5267
	X-	SLD/14	23679	716	700	393142	9876
	Y+	SLD/28	22522	125	1123	343858	6170
	Y-	SLD/30	21125	450	1223	115561	10779
5		SLD/1	26465	0	0	1320663	122
	X+	SLD/7	18852	419	52	783391	263
	X-	SLD/14	16213	491	480	765484	301
	Y+	SLD/21	15502	330	898	1132461	297
	Y-	SLD/23	19249	107	960	584921	97
6		SLD/1	35251	0	0	1884989	14639
	X+	SLD/7	30083	668	83	995320	15324
	X-	SLD/14	18248	552	540	868608	12671
	Y+	SLD/21	21352	454	1236	1874424	124
	Y-	SLD/23	28558	158	1424	424572	22693
7		SLD/1	11999	0	0	64863	4574
	X+	SLD/8	6887	153	19	55360	2195
	X-	SLD/17	10146	307	300	29950	4101
	Y+	SLD/27	5386	30	269	62179	430
	Y-	SLD/33	11089	236	642	25324	5564
8		SLD/1	17605	0	0	38442	10263
	X+	SLD/2	10211	302	309	88655	8684
	X-	SLD/17	10397	308	315	48445	11619
	Y+	SLD/18	9590	555	204	14054	14762
	Y-	SLD/33	11028	639	235	28125	5267
9		SLD/1	15776	0	0	10266	9081
	X+	SLD/7	9798	27	218	31950	9929
	X-	SLD/14	9661	286	292	39436	9844
	Y+	SLD/21	8113	470	173	43776	9348
	Y-	SLD/30	10597	614	225	34410	10183
10		SLD/1	17362	0	0	2187	13084

RISULTANTI SOLLECITAZIONI TRAVI WINKLER - SLD

Trave N.ro	Combinazione N.ro		Rv (kg)	Vx (kg)	Vy (kg)	Mrx kg*cm	Mry kg*cm
	X+	SLD/5	10020	296	303	7855	15409
	X-	SLD/14	10381	307	314	9203	7378
	Y+	SLD/21	9505	550	202	9098	18963
	Y-	SLD/30	10901	631	232	6795	3556
11		SLD/1	12989	0	0	189543	17429
	X+	SLD/7	9854	27	219	62165	10460
	X-	SLD/14	8135	241	246	148716	12695
	Y+	SLD/21	5690	330	121	183566	17185
	Y-	SLD/23	11272	562	62	86564	7936

PARAMETRI GEOTECNICI TRAVI WINKLER - S.L.U.

IDENTIFICATIVO				CONDIZIONE DRENATA							NON DRENATA	
Trave N.ro	Infiss m	Tipo Tabel	Gamma kg/mc	Fi' Grd	C' kg/cmq	Mod.El kg/cmq	Poisson	P base kg/cmq	Indice Rigid.	IndRig Crit.	Cu kg/cmq	P base kg/cmq
1	0.60	M1	1900	28.00	0.00	50.00	0.20	0.11	196.40	102.65		
2	0.60	M1	1900	28.00	0.00	50.00	0.20	0.11	179.32	116.26		
3	0.60	M1	1900	28.00	0.00	50.00	0.20	0.11	179.32	116.30		
4	0.60	M1	1900	28.00	0.00	50.00	0.20	0.11	152.76	76.80		
5	0.60	M1	1900	28.00	0.00	50.00	0.20	0.11	229.13	111.47		
6	0.60	M1	1900	28.00	0.00	50.00	0.20	0.11	196.40	106.83		
7	0.60	M1	1900	28.00	0.00	50.00	0.20	0.11	196.40	95.64		
8	0.60	M1	1900	28.00	0.00	50.00	0.20	0.11	196.40	101.51		
9	0.60	M1	1900	28.00	0.00	50.00	0.20	0.11	196.40	101.51		
10	0.60	M1	1900	28.00	0.00	50.00	0.20	0.11	196.40	101.51		
11	0.60	M1	1900	28.00	0.00	50.00	0.20	0.11	196.40	101.27		

COEFFICIENTI DI PORTANZA TRAVI WINKLER - CONDIZIONI DRENATE - S.L.U.

Trave	Brinch Hansen			IclTe	Incl.PianoPosa			Comb		Igk	CoeffIncl.Car.			Affondamento			Forma			Punzonamento		
Nro	Nc	Nq	Ng	Gc=Gq	Bc	Bq	Bg		N.ro	Sism	IcV	IqV	IgV	Dc	Dq	Dg	Sc	Sq	Sg	Psic	Psiq	Psig
1	25.80	14.72	16.72	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.22	1.20	1.00	1.13	1.12	0.91	1.00	1.00	1.00
								X+	A1/8	1.00	0.95	0.95	0.91	1.22	1.21	1.00	1.13	1.12	0.91	1.00	1.00	1.00
								X-	A1/17	1.00	0.88	0.89	0.82	1.21	1.20	1.00	1.13	1.13	0.91	1.00	1.00	1.00
								Y+	A1/27	1.00	0.83	0.85	0.77	1.23	1.21	1.00	1.14	1.13	0.90	1.00	1.00	1.00
								Y-	A1/33	1.00	0.80	0.82	0.73	1.21	1.20	1.00	1.14	1.13	0.90	1.00	1.00	1.00
2	25.80	14.72	16.72	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.19	1.17	1.00	1.03	1.03	0.98	1.00	1.00	1.00
								X+	A1/5	1.00	0.88	0.89	0.82	1.19	1.18	1.00	1.03	1.03	0.98	1.00	1.00	1.00
								X-	A1/17	1.00	0.88	0.89	0.82	1.18	1.17	1.00	1.03	1.03	0.98	1.00	1.00	1.00
								Y+	A1/21	1.00	0.79	0.81	0.72	1.20	1.19	1.00	1.03	1.03	0.98	1.00	1.00	1.00
								Y-	A1/33	1.00	0.79	0.81	0.72	1.18	1.16	1.00	1.03	1.03	0.98	1.00	1.00	1.00

COEFFICIENTI DI PORTANZA TRAVI WINKLER - CONDIZIONI DRENATE - S.L.U.

Trave	Brinch Hansen			IclTe	Incl.PianoPosa			Comb		Igk	CoeffIncl.Car.			Affondamento			Forma			Punzonamento		
Nro	Nc	Nq	Ng	Gc=Gq	Bc	Bq	Bg		N.ro	Sism	IcV	IqV	IgV	Dc	Dq	Dg	Sc	Sq	Sg	Psic	Psiq	Psig
3	25.80	14.72	16.72	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.18	1.17	1.00	1.03	1.03	0.98	1.00	1.00	1.00
								X+	A1/2	1.00	0.88	0.89	0.82	1.18	1.17	1.00	1.04	1.03	0.98	1.00	1.00	1.00
								X-	A1/12	1.00	0.95	0.96	0.92	1.18	1.17	1.00	1.03	1.03	0.98	1.00	1.00	1.00
								Y+	A1/18	1.00	0.79	0.81	0.72	1.18	1.17	1.00	1.03	1.03	0.98	1.00	1.00	1.00
								Y-	A1/30	1.00	0.79	0.81	0.72	1.18	1.17	1.00	1.03	1.03	0.98	1.00	1.00	1.00
4	25.80	14.72	16.72	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.13	1.12	1.00	1.37	1.34	0.74	1.00	1.00	1.00
								X+	A1/5	1.00	0.88	0.89	0.82	1.13	1.12	1.00	1.40	1.37	0.72	1.00	1.00	1.00
								X-	A1/14	1.00	0.88	0.89	0.82	1.13	1.12	1.00	1.42	1.39	0.70	1.00	1.00	1.00
								Y+	A1/28	1.00	0.87	0.88	0.80	1.13	1.12	1.00	1.42	1.39	0.71	1.00	1.00	1.00
								Y-	A1/30	1.00	0.84	0.85	0.76	1.13	1.12	1.00	1.36	1.34	0.75	1.00	1.00	1.00
5	25.80	14.72	16.72	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.25	1.24	1.00	1.08	1.07	0.94	1.00	1.00	1.00
								X+	A1/5	1.00	0.88	0.89	0.82	1.25	1.24	1.00	1.08	1.08	0.94	1.00	1.00	1.00
								X-	A1/14	1.00	0.88	0.89	0.82	1.25	1.24	1.00	1.08	1.07	0.95	1.00	1.00	1.00
								Y+	A1/21	1.00	0.86	0.87	0.77	1.25	1.24	1.00	1.10	1.09	0.93	1.00	1.00	1.00
								Y-	A1/23	1.00	0.89	0.90	0.82	1.25	1.24	1.00	1.07	1.07	0.95	1.00	1.00	1.00
6	25.80	14.72	16.72	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.22	1.20	1.00	1.12	1.11	0.92	1.00	1.00	1.00
								X+	A1/2	1.00	0.88	0.89	0.82	1.22	1.20	1.00	1.12	1.11	0.91	1.00	1.00	1.00
								X-	A1/11	1.00	0.93	0.93	0.89	1.21	1.20	1.00	1.19	1.18	0.87	1.00	1.00	1.00
								Y-	A1/23	1.00	0.89	0.90	0.82	1.22	1.20	1.00	1.10	1.09	0.93	1.00	1.00	1.00
								Y+	A1/27	1.00	0.87	0.88	0.80	1.22	1.20	1.00	1.28	1.26	0.81	1.00	1.00	1.00
7	25.80	14.72	16.72	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.22	1.20	1.00	1.19	1.17	0.87	1.00	1.00	1.00
								X+	A1/8	1.00	0.93	0.93	0.89	1.22	1.20	1.00	1.19	1.18	0.86	1.00	1.00	1.00
								X-	A1/17	1.00	0.88	0.89	0.82	1.22	1.20	1.00	1.18	1.17	0.87	1.00	1.00	1.00
								Y+	A1/27	1.00	0.88	0.89	0.81	1.22	1.20	1.00	1.20	1.19	0.86	1.00	1.00	1.00
								Y-	A1/33	1.00	0.85	0.86	0.77	1.22	1.20	1.00	1.18	1.17	0.87	1.00	1.00	1.00
8	25.80	14.72	16.72	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.22	1.20	1.00	1.14	1.13	0.90	1.00	1.00	1.00
								X+	A1/2	1.00	0.88	0.89	0.82	1.22	1.20	1.00	1.14	1.13	0.90	1.00	1.00	1.00
								X-	A1/14	1.00	0.88	0.89	0.82	1.22	1.21	1.00	1.14	1.13	0.90	1.00	1.00	1.00
								Y+	A1/18	1.00	0.80	0.82	0.73	1.22	1.21	1.00	1.13	1.12	0.91	1.00	1.00	1.00
								Y-	A1/24	1.00	0.83	0.85	0.77	1.21	1.20	1.00	1.14	1.13	0.90	1.00	1.00	1.00
9	25.80	14.72	16.72	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.22	1.20	1.00	1.13	1.13	0.91	1.00	1.00	1.00
								X+	A1/7	1.00	0.95	0.95	0.91	1.22	1.20	1.00	1.14	1.13	0.90	1.00	1.00	1.00
								X-	A1/14	1.00	0.88	0.89	0.82	1.22	1.20	1.00	1.14	1.13	0.90	1.00	1.00	1.00
								Y+	A1/21	1.00	0.80	0.82	0.73	1.22	1.21	1.00	1.14	1.13	0.90	1.00	1.00	1.00
								Y-	A1/30	1.00	0.80	0.82	0.73	1.22	1.20	1.00	1.14	1.13	0.90	1.00	1.00	1.00
10	25.80	14.72	16.72	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.22	1.20	1.00	1.13	1.12	0.91	1.00	1.00	1.00
								X+	A1/2	1.00	0.88	0.89	0.82	1.22	1.21	1.00	1.13	1.12	0.91	1.00	1.00	1.00
								X-	A1/14	1.00	0.88	0.89	0.82	1.22	1.20	1.00	1.14	1.13	0.90	1.00	1.00	1.00
								Y+	A1/21	1.00	0.80	0.82	0.73	1.23	1.21	1.00	1.13	1.12	0.91	1.00	1.00	1.00
								Y-	A1/30	1.00	0.80	0.82	0.73	1.21	1.20	1.00	1.14	1.13	0.90	1.00	1.00	1.00
11	25.80	14.72	16.72	1.00	1.00	1.00	1.00		A1/1	1.00	1.00	1.00	1.00	1.22	1.21	1.00	1.15	1.14	0.90	1.00	1.00	1.00
								X+	A1/7	1.00	0.95	0.95	0.91	1.22	1.20	1.00	1.15	1.14	0.90	1.00	1.00	1.00
								X-	A1/14	1.00	0.88	0.89	0.82	1.22	1.21	1.00	1.15	1.14	0.89	1.00	1.00	1.00
								Y-	A1/23	1.00	0.84	0.85	0.77	1.22	1.20	1.00	1.15	1.14	0.90	1.00	1.00	1.00
								Y+	A1/27	1.00	0.85	0.86	0.78	1.26	1.24	1.00	1.38	1.36	0.73	1.00	1.00	1.00

CARICO LIMITE TRAVI WINKLER - S.L.U.

IDENTIIFICATIVO					DRENATE		NON DRENATE		RISULTATI					
Trave N.ro	Asta3d N.ro	Comb N.ro		Bx' m	By' m	GamEf kg/mc	QLimV (t)	GamEf kg/mc	QLimV (t)	N (t)	Coeff. Sicur.	Minimo CoeSic	N/Ar kg/cmq	QLim/Ar kg/cmq	Status Verifica
1	1		A1/1	0.89	3.93	1900	53.7			16.0	3.35				OK
		X+	A1/8	0.87	3.81	1900	47.8			8.3	5.78				OK
		X-	A1/17	0.90	3.82	1900	45.9			13.6	3.37				OK
		Y+	A1/27	0.84	3.47	1900	36.6			6.3	5.85				OK
		Y-	A1/33	0.90	3.76	1900	41.0			14.9	2.75	2.75	0.44	1.21	OK
2	2		A1/1	1.04	18.73	1900	307.3			149.8	2.05	2.05	0.77	1.58	OK
		X+	A1/5	1.02	18.37	1900	253.3			90.5	2.80				OK
		X-	A1/17	1.06	17.90	1900	260.0			105.2	2.47				OK
		Y+	A1/21	0.95	18.81	1900	212.2			76.5	2.77				OK
		Y-	A1/33	1.10	18.41	1900	250.1			119.1	2.10				OK
3	3		A1/1	1.08	19.00	1900	327.8			270.5	1.21				OK
		X+	A1/2	1.07	17.36	1900	255.3			181.5	1.41				OK
		X-	A1/12	1.07	18.23	1900	292.4			191.9	1.52				OK
		Y+	A1/18	1.05	18.14	1900	232.6			220.2	1.06	1.06	1.16	1.22	OK
		Y-	A1/30	1.07	18.02	1900	237.8			123.2	1.93				OK

CARICO LIMITE TRAVI WINKLER - S.L.U.

IDENTIIFICATIVO						DRENATE		NON DRENATE		RISULTATI					
Trave N.ro	Asta3d N.ro	Comb N.ro		Bx' m	By' m	GamEf kg/mc	QLimV (t)	GamEf kg/mc	QLimV (t)	N (t)	Coeff. Sicur.	Minimo CoeSic	N/Ar kg/cmq	QLim/Ar kg/cmq	Status Verifica
4	4		A1/1	1.49	2.32	1900	64.5			32.6	1.98				OK
		X+	A1/5	1.49	2.13	1900	51.1			16.4	3.12				OK
		X-	A1/14	1.49	2.02	1900	48.4			25.5	1.90	1.90	0.85	1.61	OK
		Y+	A1/28	1.50	2.05	1900	48.4			23.6	2.05				OK
		Y-	A1/30	1.49	2.36	1900	52.8			21.3	2.48				OK
5	5		A1/1	0.60	4.28	1900	34.9			26.5	1.32	1.32	1.03	1.36	OK
		X+	A1/5	0.60	4.17	1900	29.6			18.2	1.63				OK
		X-	A1/14	0.60	4.38	1900	31.0			15.8	1.97				OK
		Y+	A1/21	0.60	3.49	1900	24.1			14.6	1.65				OK
		Y-	A1/23	0.60	4.87	1900	34.7			20.7	1.68				OK
6	6		A1/1	0.89	4.21	1900	57.7			35.3	1.64				OK
		X+	A1/2	0.90	4.18	1900	49.9			30.5	1.63				OK
		X-	A1/11	0.90	2.69	1900	34.8			11.4	3.05				OK
		Y-	A1/23	0.88	5.25	1900	61.2			32.0	1.91				OK
		Y+	A1/27	0.89	1.82	1900	22.1			13.9	1.60	1.60	0.86	1.37	OK
7	7		A1/1	0.89	2.72	1900	38.0			12.0	3.16				OK
		X+	A1/8	0.89	2.65	1900	34.0			6.5	5.24				OK
		X-	A1/17	0.89	2.80	1900	33.7			11.8	2.87				OK
		Y+	A1/27	0.89	2.48	1900	29.9			4.1	7.35				OK
		Y-	A1/33	0.89	2.81	1900	32.2			13.3	2.43	2.43	0.53	1.29	OK
8	8		A1/1	0.89	3.73	1900	51.1			17.6	2.90	2.90	0.53	1.54	OK
		X+	A1/2	0.88	3.51	1900	41.6			10.2	4.09				OK
		X-	A1/14	0.87	3.59	1900	41.8			10.4	4.01				OK
		Y+	A1/18	0.86	3.75	1900	38.8			9.2	4.24				OK
		Y-	A1/24	0.90	3.58	1900	40.8			11.6	3.52				OK
9	9		A1/1	0.89	3.76	1900	51.5			15.8	3.26	3.26	0.47	1.54	OK
		X+	A1/7	0.88	3.67	1900	46.7			10.1	4.64				OK
		X-	A1/14	0.88	3.63	1900	42.7			9.9	4.33				OK
		Y+	A1/21	0.88	3.59	1900	38.0			7.4	5.16				OK
		Y-	A1/30	0.88	3.67	1900	39.1			11.4	3.44				OK
10	10		A1/1	0.88	3.77	1900	51.4			17.4	2.96	2.96	0.52	1.54	OK
		X+	A1/2	0.86	3.74	1900	42.8			9.9	4.32				OK
		X-	A1/14	0.89	3.74	1900	44.6			10.5	4.25				OK
		Y+	A1/21	0.85	3.74	1900	37.9			9.1	4.18				OK
		Y-	A1/30	0.90	3.75	1900	40.9			11.3	3.61				OK
11	11		A1/1	0.87	3.43	1900	46.1			13.0	3.55				OK
		X+	A1/7	0.88	3.44	1900	44.1			11.0	4.02				OK
		X-	A1/14	0.87	3.27	1900	37.9			8.2	4.64				OK
		Y-	A1/23	0.89	3.43	1900	38.9			13.2	2.93	2.93	0.43	1.27	OK
		Y+	A1/27	0.75	1.12	1900	11.4			2.9	3.97				OK