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R E L A Z I O N E D I C A L C O L O

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

La normativa cui viene fatto riferimento nelle fasi di calcolo e progettazione sono le "Norme Tecniche per le Costruzioni", D.M. 14/01/2008 suppl. 30 G.U. 29 del 04/02/2008.

- 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 e' 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 liberta'. Per maggiore precisione di calcolo, viene tenuta in conto anche la deformabilita' 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 e' 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.

- ANALISI SISMICA DINAMICA A MASSE CONCENTRATE

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

I modi di vibrazione considerati sono in numero tale da assicurare l'eccitazione di piu' 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 e' 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 e' 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 e' stato adottato per il calcolo delle staffe.

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

La fondazione su travi rovesce e' 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: 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 prossimita' degli appoggi o di carichi concentrati per una lunghezza pari all' altezza utile della sezione, il passo minimo sara' 12 volte il diametro minimo dell'armatura longitudinale.
In presenza di torsione e' disposta un' area di staffe minima pari a 2*b mmq/ml.

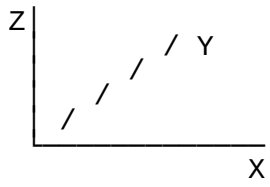
Armatura longitudinale in zona tesa >=0.3% della sezione di calcestruzzo opportunamente distribuita in funzione del tipo di sollecitazione prevalente. Alle estremita' e' disposta una armatura inferiore minima che possa assorbire, allo stato limite ultimo, uno sforzo di trazione uguale al taglio.
In presenza di sisma, per una distanza dal nodo pari a due volte la altezza della trave le prescrizioni precedenti vengono raddoppiate (D.M. 14/09/2005, pto 5.1.6.1.2)

Pilastri: Armatura longitudinale compresa fra 0.3% e 4% della sezione effettiva. Barre longitudinali con diametro >= 12 mm; Diametro staffe >= 6 mm e comunque >= 1/3 del diametro max delle barre longititudinali, con interasse <= 10 volte il φ min. ed in ogni caso con interasse <=25 cm. In presenza di sisma l' armatura longitudinale e' almeno pari all' 1% della sezione effettiva; per una lunghezza pari 0,33 volte la distanza tra il momento flettente massimo ed il momento nullo, le staffe sono disposte con un passo non maggiore di 5 volte il φ mininimo, con un massimo di 10 cm.

- SISTEMI DI RIFERIMENTO

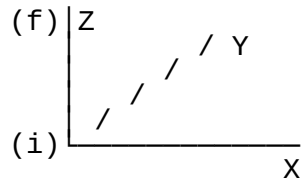
1) Sistema globale della struttura spaziale

Il sistema di riferimento globale e' costituito da una terna destra di assi cartesiani ortogonali (OXYZ) 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

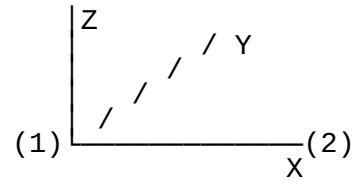
Il sistema di riferimento locale delle aste, inclinate o meno, e' costituito da una terna destra di assi cartesiani ortogonali che ha l'asse Z coincidente con l'asse longitudinale dell'asta e orientamento dal nodo iniziale al nodo finale, gli assi X ed Y sono orientati come nell'archivio delle sezioni.



3) Sistema locale dello shell

Il sistema di riferimento locale dello shell e' 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.



- UNITA' DI MISURA

Si adottano le seguenti unita' di misura:

[lunghezze] = m
[forza] = kgf / daN
[tempo] = sec
[temperat.] = °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 liberta' 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 caratteristiche statiche dei profili e caratteristiche materiali.

Sez. : Numero d'archivio della sezione
U : Perimetro bagnato per metro di sezione
P : Peso per unita' di lunghezza
A : Area della sezione
Ax : Area a taglio in direzione X
Ay : Area a taglio in direzione Y
Jx : Momento d'inerzia rispetto all'asse X
Jy : Momento d'inerzia rispetto all'asse Y
Jt : Momento d'inerzia torsionale
Wx : Modulo di resistenza a flessione, asse X
Wy : Modulo di resistenza a flessione, asse Y
Wt : Modulo di resistenza a torsione
ix : Raggio d'inerzia relativo all'asse X
iy : Raggio d'inerzia relativo all'asse Y
sver : Coefficiente per verifica a svergolamento (h/(b*t))

E : Modulo di elasticita' normale
G : Modulo di elasticita' tangenziale
σamm : Tensione ammissibile
lamda : Valore massimo della snellezza

fe : Tipo di acciaio (1=Fe360 ; 2=Fe430 ; 3=Fe510)
Ω : Prospetto per i coefficienti Ω (1=a ; 2=b ; 3=c ; 4=d)
(sezione legno: 5= latifoglie dure ; 6=conifere)
Caric. estra: Coefficiente per carico estradossato verifica svergolam.
E.lim. : Eccentricita' limite per evitare la verifica allo svergolamento.
Coeff.'ni' : Coefficiente 'ni'
ver. : -1 non esegue verifica ; 0 verifica solo aste tese
1 verifica completa
gamma : peso specifico del materiale

Wx Plast. : Modulo di resistenza plastica in direzione X
Wy Plast. : Modulo di resistenza plastica in direzione Y
Wt Plast. : Modulo di resistenza plastica torsionale
Ax Plast. : Area a taglio plastica direzione X
Ay Plast. : Area a taglio plastica direzione Y
Iw : Costante di ingobbamento (Momento di inerzia settoriale)
Num.Rit.Tors: Numero di ritegni torsionali

SPECIFICHE CAMPI TABELLA DI STAMPA

Si riporta di seguito la spiegazione delle sigle usate nella tabella di stampa dell'archivio materiali.

Materiale N.ro : Numero identificativo del materiale in esame.
Densità : Peso specifico del materiale.
Ex * 1E3 : Modulo elastico in direzione x moltiplicato per 10 al cubo.
Ni.x : Coefficiente di Poisson in direzione x.
Alfa.x : Coefficiente di dilatazione termica in direzione x.
Ey * 1E3 : Modulo elastico in direzione y moltiplicato per 10 al cubo.
Ni.y : Coefficiente di Poisson in direzione y.
Alfa.y : Coefficiente di dilatazione termica in direzione y.
E11 * 1E3 : Elemento della matrice elastica moltiplicato per 10 al cubo, 1a riga - 1a colonna.
E12 * 1E3 : Elemento della matrice elastica moltiplicato per 10 al cubo, 1a riga - 2a colonna.
E13 * 1E3 : Elemento della matrice elastica moltiplicato per 10 al cubo, 1a riga - 3a colonna.
E22 * 1E3 : Elemento della matrice elastica moltiplicato per 10 al cubo, 2a riga - 2a colonna.
E23 * 1E3 : Elemento della matrice elastica moltiplicato per 10 al cubo, 2a riga - 3a colonna.
E33 * 1E3 : Elemento della matrice elastica moltiplicato per 10 al cubo, 3a riga - 3a colonna.

SPECIFICHE CAMPI TABELLA DI STAMPA

Si riporta appresso la spiegazione delle sigle usate nelle tabelle riassuntive dei criteri di progetto per le aste in elevazione, per quelle di fondazione, per i pilastri e per i setti.

Crit.N.ro : Numero indicativo del criterio di progetto
Elem. : Tipo di elemento strutturale
%Rig.Tors. : Percentuale di rigidezza torsionale
Mod. E : Modulo di elasticita' normale
Poisson : Coefficiente di Poisson
Sgmc : Tensione massima di esercizio del calcestruzzo
tauc0 : Tensione tangenziale minima

tauc1 : Tensione tangenziale massima
Sgmf : Tensione massima di esercizio dell'acciaio
Om. : Coefficiente di omogenizzazione
Gamma : Peso specifico del materiale
Copristaffa : Distanza tra il lembo esterno della staffa ed il lembo esterno della sezione in calcestruzzo
Fi min. : Diametro minimo utilizzabile per le armature longitudinali
Fi st. : Diametro delle staffe
Lar. st. : Larghezza massima delle staffe
Psc : Passo di scansione per i diagrammi delle caratteristiche
Pos.pol. : Numero di posizioni delle armature per la verifica di sezioni poligonali
D arm. : Passo di incremento dell'armatura per la verifica di sezioni poligonali
Iteraz. : Numero massimo di iterazioni per la verifica di sezioni poligonali

Def. Tag. : Deformabilita' a taglio (si , no)
%Scorr.Staf.: Percentuale di scorrimento da far assorbire alle staffe
P.max staffe: Passo massimo delle staffe
P.min.staffe: Passo minimo delle staffe
tMt min. : Tensione di torsione minima al di sotto del quale non si arma a torsione
Ferri parete: Presenza di ferri di parete a taglio
Ecc.lim. : Eccentricita' M/N limite oltre la quale la verifica viene effettuata a flessione pura
Tipo ver. : Tipo di verifica (0 = solo Mx; 1 = Mx e My separate; 2 = deviata)
Fl.rett. : Flessione retta forzata per sezioni dissimmetriche ma simmetrizzabili (0 = no; 1 = si)
Den.X pos. : Denominatore della quantita' q*l*l per determinare il momento Mx minimo per la copertura del diagramma positivo
Den.X neg. : Denominatore della quantita' q*l*l per determinare il momento Mx minimo per la copertura del diagramma negativo
Den.Y pos. : Denominatore della quantita' q*l*l per determinare il momento My minimo per la copertura del diagramma positivo
Den.Y neg. : Denominatore della quantita' q*l*l per determinare il momento My minimo per la copertura del diagramma negativo
%Mag.car. : Percentuale di maggiorazione dei carichi statici della prima combinazione

Linear. : Coefficiente descrittivo del comportamento dell'asta:
1 = comportamento lineare sia a trazione che a compressione.
2 = comportamento non lineare sia a trazione che a compressione.
3 = comportamento lineare solo a trazione.
4 = comportamento non lineare solo a trazione.
5 = comportamento lineare solo a compressione.
6 = comportamento non lineare solo a compressione.
Appesi : Flag di disposizione del carico sull'asta (1 = appeso, cioè applicato all'intradosso; 0 = non appeso, cioè applicato all'estradosso).

Min. T/sigma: Verifica minimo T/sigma (1 = si; 0 = no)
Verif.Alette: Verifica alette travi di fondazione (1 = si; 0 = no)
Kwinkl. : Costante di sottofondo del terreno

Si riporta appresso la spiegazione delle sigle usate nelle tabelle riassuntive dei criteri di progetto per le verifiche agli stati limite.

Cri.Nro : Numero identificativo del criterio di progetto
Tipo Elem. : Tipo di elemento: trave di elevazione, trave di fondazione, pilastro.
fck : Resistenza caratteristica del cls
fcd : Resistenza di calcolo del cls
rcd : Resistenza di calcolo a flessione del cls (massimo del diagramma parabola rettangolo)
fyk : Resistenza caratteristica dell'acciaio

fyd : Resistenza di calcolo dell'acciaio
Ey : Modulo elastico dell'acciaio
ec0 : Deformazione limite del cls in campo elastico
ecu : Deformazione ultima del cls
eyu : Deformazione ultima dell'acciaio
Ac/At : Rapporto dell'incremento fra l'armatura compressa e quella tesa
Mt/Mtu : Rapporto fra il momento torcente di calcolo e il momento torcente resistente del cls ultimo al di sotto del quale non si arma a torsione
Wra : Ampiezza limite della fessura per combinazioni rare
Wfr : Ampiezza limite della fessura per combinazioni frequenti
Wpe : Ampiezza limite della fessura per combinazioni permanenti
σcRara : Sigma massima del cls per combinazioni rare
σcPerm : Sigma massima del cls per combinazioni permanenti
σfRara : Sigma massima dell'acciaio per combinazioni rare
SpRar : Rapporto fra la lunghezza dell'elemento e lo spostamento massimo per combinazioni rare
SpPer : Rapporto fra la lunghezza dell'elemento e lo spostamento massimo per combinazioni permanenti
Coef.Visc. : Coefficiente di viscosita'

SPECIFICHE CAMPI TABELLA DI STAMPA

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

Nodo3d : Numero del nodo spaziale
Coord.X : Cordinata X del punto nel sistema di riferimento globale
Coord.Y : Cordinata Y del punto nel sistema di riferimento globale
Coord.Z : Cordinata 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 e' 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

SPECIFICHE CAMPI TABELLA DI STAMPA

Si riporta appresso la spiegazione delle sigle usate nella tabella vincoli nodali esterni.

Nodo3d : Numero del nodo spaziale
Codice : Codice eplicito per la determinazione del vincolo
I = incastro; C = cerniera completa; W = winkler
E = esplicito; P = plinto; U = Vincolo unilatero
Tx : Rigidezza traslante in direzione X sul sistema di riferimento locale del vincolo (-1 spostamento impedito)
Ty : Rigidezza traslante in direzione Y sul sistema di riferimento locale del vincolo (-1 spostamento impedito)
Tz : Rigidezza traslante in direzione Z sul sistema di riferimento locale del vincolo (-1 spostamento impedito)
Rx : Rigidezza rotazionale in direzione X sul sistema di riferimento locale del vincolo (-1 spostamento impedito)
Ry : Rigidezza rotazionale in direzione Y sul sistema di riferimento locale del vincolo (-1 spostamento impedito)
Rz : Rigidezza rotazionale in direzione Z sul sistema di riferimento locale del vincolo (-1 spostamento impedito)

SCOSTAMENTO PER I VINCOLI ELASTICI

Tr. X : Scostamento in direzione X globale del sistema di riferimento locale del vincolo
Tr. Y : Scostamento in direzione Y globale del sistema di riferimento locale del vincolo
Tr. Z : Scostamento in direzione Z globale del sistema di riferimento locale del vincolo
Azim : Angolo formato fra la proiezione dell'asse Z locale sul piano XY e l'asse X globale (azimut)
CoZe : Angolo formato fra l'asse Z locale e l'asse Z globale (complemento allo zenit)
Ass. : Rotazione attorno dell'asse Z locale del sistema di riferimento locale

ATTRIBUTO DI VERSO PER I VINCOLI UNILATERI

Tr. X : Attributo sul verso dello spostamento impedito dal vincolo unilatero lungo la direzione X
Tr. Y : Attributo sul verso dello spostamento impedito dal vincolo unilatero lungo la direzione Y
Tr. Z : Attributo sul verso dello spostamento impedito dal vincolo unilatero lungo la direzione Z
Rot.X : Attributo sul verso della rotazione impedita dal vincolo unilatero lungo l' asse vettore X
Rot.Y : Attributo sul verso della rotazione impedita dal vincolo unilatero lungo l' asse vettore Y
Rot.Z : Attributo sul verso della rotazione impedita dal vincolo unilatero lungo l' asse vettore Z

Gli attributi sul verso degli spostamenti e delle rotazioni possono assumere i seguenti valori:

1 = Impedisce gli spostamenti sia positivi che negativi
3 = Impedisce solo gli spostamenti positivi
5 = Impedisce solo gli spostamenti negativi

CARICHI TERMICI/DISTRIBUITI/CONCENTRATI

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 e' la direzione dell'asse Z del sistema di riferimento globale, normale e' 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

COMPOSIZIONE SHELL

SPECIFICHE CAMPI TABELLA DI STAMPA

Si riporta di seguito la spiegazione delle sigle usate nella tabella di stampa della composizione degli elementi bidimensionali e la numerazione dei vertici dei microelementi in cui questi vengono suddivisi.

Macro N.ro : Numero identificativo del macroelemento definito in fase di input
Col.1/2/3/4/5/6 : Numero del microelemento in cui viene suddiviso il macroelemento in fase di calcolo

Micro N.ro : Numero identificativo del microelemento
Macro N.ro : Numero identificativo del macroelemento
a cui appartiene il microelemento
Vert.1 : Numero del primo vertice del microelemento
Vert.2 : Numero del secondo vertice del microelemento
Vert.3 : Numero del terzo vertice del microelemento
Vert.4 : Numero del quarto vertice del microelemento

STAMPA CARATT./SPOSTAM. NODALI

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'estremita' 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 e' 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 linermente 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

Shell Nro: numero dell'elemento bidimensionale.

Le altre grandezze descritte di seguito si riferiscono a ciascun

nodo 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

SPOSTAMENTI SISMICI RELATIVI

SPECIFICHE CAMPI TABELLE 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.

INVILUPPO S.L.D.:

Sisma N.ro : Numero del sisma per cui e' 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.

INVILUPPO S.L.O.:

Sisma N.ro : Numero del sisma per cui e' 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.

STAMPA VERIFICHE S.L.V.

SPECIFICHE CAMPI TABELLA DI STAMPA

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

Filo In/Fin	Sulla prima riga numero del filo del nodo iniziale, sulla seconda quello del nodo finale
Ctg$\ominus$	Cotangente Angolo del puntone compresso
Quota	Sulla prima riga quota del nodo iniziale, sulla seconda quota del nodo finale
SgmT	Pressione sul terreno per le travi di fondazione
AmpC	Coefficiente di amplificazione dei carichi per le travi di

elevazione

N/Nc — Percentuale della resistenza massima a compressione della sezione di solo calcestruzzo

Tratto — Se una trave e' suddivisa in piu' tratti sulla prima riga e' riportato il numero del tratto, sulla terza il numero di suddivisioni della trave

Sez, Bas, Alt — Sulla prima riga numero della sezione nell'archivio, sulla seconda base della sezione, sulla terza altezza. Per sezioni a T e' 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

MExd — Momento ultimo di calcolo asse vettore X (per le travi incrementato dalla traslazione del diagramma del momento flettente)

MEyd — 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.

εf% εc% * 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

VExd — Taglio ultimo di calcolo in direzione X

VEyd — Taglio ultimo di calcolo in direzione Y

T Ed — 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 lungitudinale

Coe Cls — Coefficiente per il controllo di sicurezza del cls alle azioni taglianti e torcenti moltiplicato per 100; la sezione e' 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 e' verificata se detto valore e minore o uguale a 100

Alon — Armatura lungitudinale 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

σt — Pressione di contatto sul terreno in Kg/cmq calcolata con i valori caratteristici delle azioni assumendo i coefficienti gamma pari ad uno. Nel caso di analisi sismica dinamica il valore dello spostamento sismico da combinare per il calcolo della pressione di contatto e' ottenuto come la radice quadrata della somma dei quadrati dei singoli spostamenti modali.

Ac — Coefficiente di amplificazione dei carichi statici per tenere in conto della verifica locale dell'asta a sisma verticale. Sostituisce il dato 'σt' per le aste di elevazione.

VERIFICHE ASTE IN ACCIAIO / LEGNO

Si riporta appresso la spiegazione delle sigle usate nelle tabelle di verifica aste in acciaio secondo l'eurocodice 3 e di verifica aste in legno secondo l'eurocodice 5.

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 e di seguito le caratteristiche per la quale si è avuta la condizione più gravosa (rapporto di verifica massimo).
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 della azione tagliante.
Rap %	Rapporto di verifica moltiplicato per 100. Sezione verificata per valori minori o uguali a 100.
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 e' maggiore di 1.
qn	Carico distribuito normale all'asse della trave in kg/m, incluso il peso proprio.
Asta	Numerazione dell'asta.

L'ultima riga delle quattro relative a ciascuna asta, si riferisce ai valori utili ad effettuare le verifiche di instabilita':

l	Lunghezza della trave.
ß*l	Lunghezza libera di inflessione.
clas.	Classe di verifica della trave.
lmd	Snellezza lambda.
R%pf	Rapporto di verifica per l'instabilità alla presso-flessione moltiplicato per 100. Sezione verificata per valori minori o uguali a 100.
R%ft	Rapporto di verifica per l'instabilità flesso-torsionale moltiplicato per 100.
Wmax	Spostamento massimo.
Wrel	Spostamento relativo, depurato dalla traslazione rigida dei nodi.
Wlim	Spostamento limite.
se:	
Rap %=111	La sezione non verifica per taglio elevato.
Rap %=444	Sezione non verificata perche' di classe 4

Per le sezioni in legno vengono modificate le seguenti colonne.

(N Rd)	σn	: Tensione normale dovuta a sforzo normale.
(MxV.Rd)	σMx	: Tensione normale dovuta a momento Mx.
(MyV.Rd)	σMy	: Tensione normale dovuta a momento My.
(VxplRd)	τx	: Tensione tangenziale dovuta a taglio Tx.
(VyplRd)	τy	: Tensione tangenziale dovuta a taglio Ty.
(T Rd)	τMt	: Tensione tangenziale da momento torcente.
(fy rid)	Rapp. Fless:	Rapporto di verifica per la flessione composta secondo le formule dell'EC5 [5.1.9a],[5.1.9b],[5.1.10a],[5.1.10b] 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 e la torsione secondo le formule dell'EC5 [5.1.7.1],[5.1.8] avendo sovrapposto gli effetti come per la flessione composta.

(clas.) lrx : Lambda relativo X secondo le formule dell'EC5 [5.2.1a]

(lmd) lry : Lambda relativo Y secondo le formule dell'EC5 [5.2.1b]

(R%pf) Rx : Rapporto di verifica per la presso-flessione secondo le formule dell'EC5 [5.2.1e]

(R%ft) Ry : Rapporto di verifica per la presso-flessione secondo le formule dell'EC5 [5.2.1f]

STAMPA VERIFICHE S.L.E.

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 e' suddivisa in piu' tratti sulla prima riga e' 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 sara' nulla
Dist mm	Distanza fra le fessure
Concio	Numero del concio in cui si e' avuta la massima fessura
Combin	Numero della combinazione ed in sequenza sollecitazioni per cui si e' 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 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
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 e' avuta la massima tensione
Combin	Numero della combinazione ed in sequenza sollecitazioni per cui si e' avuta la massima tensione
Mf X	Momento flettente asse vettore X
Mf Y	Momento flettente asse vettore Y
N	Sforzo normale

RISULTATI GENERALI PUSH-OVER

Numero d'ordine della PushOver : Tipo di distribuzione delle forze orizzontali utilizzate nell'analisi

Angolo Ingr. Sisma (Grd) : Angolo di ingresso del sisma della push over
Numero collassi totali : Numero di elementi che hanno raggiunto la condizione di collasso al termine dell'analisi

Numero passo Resist.Max. : Numero del passo a cui corrisponde il picco massimo del taglio alla base nella curva di capacita'
Numero passi significativi : numero dei passi significativi alla fine dell'analisi
Massa SDOF (t) : Massa totale del sistema equivalente
Taglio alla base max. (t) : Tagliante massimo alla base della struttura reale
Coeff. Partecipazione : Coefficiente di partecipazione relativo alla distribuzione di forze orizzontali utilizzate nell'analisi della push over
Resistenza SDOF (t) : Resistenza allo snervamento del sistema ad un grado di liberta' equivalente
Rigidezza SDOF (t/m) : Rigidezza all'origine del sistema ad un grado di liberta' equivalente
Spostam. Snervam. SDOF mm : Spostamento a cui corrisponde lo snervamento del sistema ad un grado di liberta' equivalente
Periodo SDOF (sec) : Periodo proprio del sistema ad un grado di liberta' equivalente
Rapporto di incrudimento : Rapporto tra la rigidezza incrudente e la rigidezza all'origine del sistema ad un grado di liberta' equivalente. Per un sistema elasto perfettamente plastico tale rapporto vale sempre 0.
Rapporto Alfau/alfa1 : Rapporto tra il tagliante ultimo e il tagliante a cui corrisponde la formazione della prima cerniera plastica. Per le strutture esistenti tale valore puo' assumere valori molto alti in quanto per bassi valori di forze orizzontali spesso viene raggiunto il limite elastico in qualche sezione.
Fattore struttura : Fattore di struttura (q) calcolato a posteriori in funzione delle effettive risorse anelastiche della struttura.
Coeff Smorzam.Equival. : Coefficiente di smorzamento di un oscillatore elastoviscoso che dissipa per viscosita' la stessa energia della struttura.
Duttilita' : Duttilita' misurata sul legame bilatero del sistema elastoplastico equivalente come rapporto tra lo spostamento ultimo (fine del tratto orizzontale) e lo spostamento al limite elastico (inizio tratto orizzontale).
q* : Rapporto tra la domanda elastica di tagliante alla base e la resistenza del sistema SDOF equivalente. Viene utilizzato solo per le struttura in muratura in qual caso non puo' superare il valore 3.

SPECIFICHE CAMPI TABELLA DI STAMPA RISULTATI ASTE PUSH-OVER

Identificativo : Filo Iniziale/Filo Finale/Quota Iniziale/Quota Finale/ Numero asta 3d
COLLASSO : Modo di collasso dell'asta o campo elastico
Tipo di rotazione : Descrizione della capacita' di rotazione della corda per limite di snervamento ed ultimo
RuX In. : Capacita' di rotazione ultima estremo iniziale asse X
RuY In. : Capacita' di rotazione ultima estremo iniziale asse Y
RuX Fin : Capacita' di rotazione ultima estremo finale asse X
RuY Fin : Capacita' di rotazione ultima estremo finale asse Y
RsX In. : Capacita' di rotazione allo snervamento estremo iniziale asse X
RsY In. : Capacita' di rotazione allo snervamento estremo iniziale asse Y
RsX Fin : Capacita' di rotazione allo snervamento estremo finale

asse X
RsY Fin : Capacita' di rotazione allo snervamento estremo finale asse Y
Capacita' di rotaz: Valore della capacita' di rotazione della corda per limite di snervamento ed ultimo espresso in radianti x 100.
Tipo di risposta : Descrizione della grandezza fisica considerata
Mx : Momento flettente asse X
My : Momento flettente asse Y
N : Sforzo normale
Tx : Taglio asse X
Ty : Taglio asse Y
Mz : Momento torcente
TetX% : Rotazione della corda asse X
TetY% : Rotazione della corda asse Y

RISPOSTE ESTREMO INIZIALE: Le colonne si riferiscono alle grandezze per l'estremo iniziale dell'asta

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DANNO LEGGERO (D.M. 2005) / S.L. DANNO (D.M. 2008)
Domanda Capacita': Sono i valori delle grandezze considerate valutate nel punto della curva di capacita' in corrispondenza della domanda sismica e della capacita' della struttur per la prestazione di DANNO LEGGERO

DANNO SEVERO (D.M. 2005) / S.L. VITA (D.M. 2008)
Domanda Capacita': Sono i valori delle grandezze considerate valutate nel punto della curva di capacita' in corrispondenza della domanda sismica e della capacita' della struttura per la prestazione di DANNO SEVERO

COLLASSO (D.M. 2005) / S.L. COLLASSO (D.M. 2008)
Domanda Capacita': Sono i valori delle grandezze considerate valutate nel punto della curva di capacita' in corrispondenza della domanda sismica e della capacita' della struttura per la prestazione di COLLASSO

RISPOSTE ESTREMO FINALE: Le colonne si riferiscono alle grandezze per l'estremo finale dell'asta

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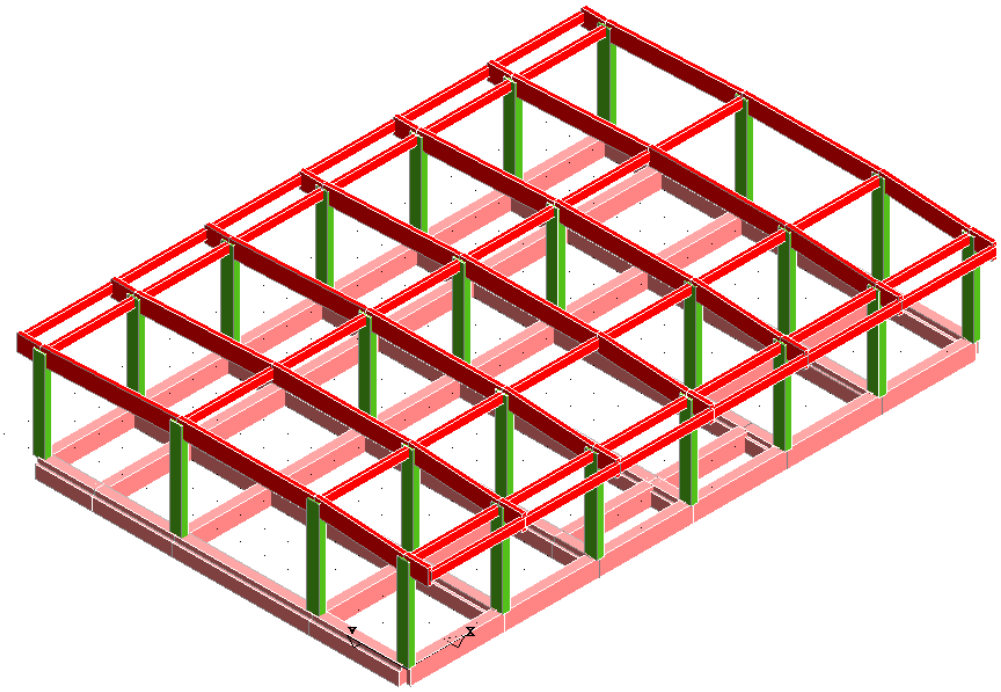
DANNO LEGGERO (D.M. 2005) / S.L. DANNO (D.M. 2008)
Domanda Capacita': Sono i valori delle grandezze considerate valutate nel punto della curva di capacita' in corrispondenza della domanda sismica e della capacita' della struttura per la prestazione di DANNO LEGGERO

DANNO SEVERO (D.M. 2005) / S.L. VITA (D.M. 2008)
Domanda Capacita': Sono i valori delle grandezze considerate valutate nel punto della curva di capacita' in corrispondenza della domanda sismica e della capacita' della struttura per la prestazione di DANNO SEVERO

COLLASSO (D.M. 2005) / S.L. COLLASSO (D.M. 2008)
Domanda Capacita': Sono i valori delle grandezze considerate valutate nel punto della curva di capacita' in corrispondenza della domanda sismica e della capacita' della struttura per la prestazione di COLLASSO



RELAZIONE DI CALCOLO EDIFICI A-B-C – CORPO PRINCIPALE

ARCHIVIO SEZIONI

PIATTI UNI				
Sez. N.ro	Descrizione	b mm	s mm	Mat. N.ro
1933	Leg18x68.7	180	687	101

PIATTI UNI				
Sez. N.ro	Descrizione	b mm	s mm	Mat. N.ro
1934	Leg16x36	160	360	101

ARCHIVIO SEZIONI

CARATTERISTICHE STATICHE DEI PROFILI														
Sez. N.ro	U m2/m	P daN/m	A cmq	Ax cmq	Ay cmq	Jx cm4	Jy cm4	Jt cm4	Wx cm3	Wy cm3	Wt cm3	ix cm	iy cm	sver 1/cm
1933	1.73	43.3	1236.60	824.40	824.40	486364.1	33388.2	133552.8	14159.07	3709.80	1944.00	19.83	5.20	0.00
1934	1.04	20.2	576.00	384.00	384.00	62208.0	12288.0	49152.0	3456.00	1536.00	1365.33	10.39	4.62	0.00

ARCHIVIO SEZIONI

DATI PER VERIFICHE EUROCODICE							
Sez. N.ro	Descrizione	Wx Plastico cm3	Wy Plastico cm3	Wt Plastico cm3	Ax Plastico cm2	Ay Plastico cm2	Iw cm6
1933	Leg18x68.7	21238.61	5564.70	42477.21	1236.60	1236.60	0.0
1934	Leg16x36	5184.00	2304.00	10368.00	576.00	576.00	0.0

ARCHIVIO SEZIONI

CARATTERISTICHE MATERIALE							
Mat. N.ro	E daN/cmq	G daN/cmq	lambda max	Tipo Acciaio	Verifica verifica	Gamma dN/cmc	Lung/ SpLim
1	2100000	850000	200.0	S235	Completa	7850	250
2	2100000	850000	200.0	S235	Completa	7850	250
3	2100000	850000	200.0	S235	Completa	7850	250
4	2100000	850000	200.0	S235	Completa	7850	250
5	2100000	850000	200.0	S235	Completa	7850	250
6	125000	10000	200.0	S235	Completa	800	250
7	120000	5000	200.0	S235	Completa	500	250

ARCHIVIO SEZIONI

CARATTERISTICHE DEL MATERIALE LEGNO LUNGO LA DIREZIONE DELL'ASTA												
		R E S I S T E N Z E				MODULI ELASTICI						
Mat. N.ro	Classificaz. Legno	Fless fmk N/mmq	Traz. ft0k N/mmq	Compr fc0k N/mmq	Tagl. fvk N/mmq	Medio E0 kN/mmq	Caratt E0,05 kN/mmq	Taglio G kN/mmq	Gamma kg/mc	Classe di Serviz	Coeff. Kdef x SLE	Rapp. Lung/ SpLim.
1		24.0	14.0	21.0	2.2	11.6	9.4	0.59	350	1	0.60	300

ARCHIVIO SEZIONI ASTE IN C.A.O.

Tipologia Rettangolare			
Sez. N.ro	Base (cm)	Altezza (cm)	Magrone (cm)
1	40.0	74.0	80.0

Tipologia Rettangolare			
Sez. N.ro	Base (cm)	Altezza (cm)	Magrone (cm)
2	30.0	50.0	0.0

Tipologia a 'T'							
Sez. N.ro	Ala sx. B1 (cm)	B Anima B2 (cm)	Ala dx. B3 (cm)	Altezza B4 (cm)	Sp. Ali B5 (cm)	H Anima B6 (cm)	Largh. Magrone (cm)
11	10.0	40.0	10.0	74.0	54.0	20.0	100.0

CRITERI DI PROGETTO

IDEN	ASTE ELEVAZIONE												
Crit N.ro	Def Tag	%Scorr Staffe	P max. Staffe	P min. Staffe	τMtmin dN/cmq	Ferri parete	Elim cm	Tipo verif.	Fl. rett	DenX pos.	DenX neg.	DenY pos.	DenY neg.	%Mag car.
1	si	100	20	5	3	no	200	Mx	1	12	0	0	0	0

CRITERI DI PROGETTO

IDEN	ASTE FONDAZIONE						
Crit N.ro	Min T/σ	Verif. Alette	%Scorr Staffe	P max. Staffe	P min. Staffe	τMtmin dN/cmq	Ferri parete
2	si	no	100	20	10	3	no

CRITERI DI PROGETTO

IDEN	PILASTRI			
Crit N.ro	Def Tag	τMtmin dN/cmq	Tipo verif.	
3	si	3.0	Dev.	

IDEN	PILASTRI			
Crit N.ro	Def Tag	τMtmin dN/cmq	Tipo verif.	

IDENTIF.		%	CARATTERISTICHE DEL MATERIALE										DURABILITA'			CARATTER.COSTRUTTIVE					FLAG	
Crit N.ro	Elem.	Rig Tor	Rck dN/cmq	Classe Acciai	Mod. E dN/cmq	Pois son	Sgmc	tauc0	tauc1	Sgmf	om og	Gamma dN/mc	Tipo Ambiente	Tipo Armatura	Toll. Copr.	Copr staf	Copr ferr	Fi min	Fi st.	Lun sta	Li n.	Ap pe	
							----- daN/cmq ------																
1	ELEV.	30	300	FeB44k	312201	0.20						2500	Ordinario	SENSIBILE	0.00	2.0	3.6	16	8	80	1	0	
2	FOND.	10	250	B450C	299619	0.20						2500	Ordinario	POCO SENS.	0.50	2.0	3.6	16	8	80	1		
3	PILAS	10	300	B450C	314758	0.20						2500	Ordinario	POCO SENS.	0.50	2.0	3.6	16	8	70	1		
101	ACCIAIO																				1		

C R I T E R I P E R I L C A L C O L O A G L I S T A T I L I M I T E U L T I M I E D I E S E R C I Z I O																							
Cri Nro	Tipo Elem	fck	fcd	rcd	fyk	fyd	Ey	ec0	ecu	eyu	At/ Ac	Mt/ Mtu	Wra mm	Wfr mm	Wpe mm	σcRar	σcPer	σfRar	Spo Rar	Spo Fre	Spo Per	Coe Vis	euk
		---------- daN/cmq ----------														-- daN/cmq ---							
1	ELEV.	250.0	132.0	132.0	4400	3826	2100000	0.20	0.35	1.00	50	10	0.3	0.2	150.0	112.0	2660				2.0	0.04	
2	FOND.	200.0	106.0	106.0	4500	3913	2100000	0.20	0.35	1.00	50	10	0.4	0.3	120.0	90.0	3600				2.0	0.08	
3	PILAS	250.0	132.0	132.0	4500	3913	2100000	0.20	0.35	1.00	50	10	0.4	0.3	150.0	112.0	3600				2.0	0.08	

CRITERI DI PROGETTO GEOTECNICI - FONDAZIONI SUPERFICIALI

IDEN	COSTANTE WINKLER	
Crit N.ro	KwVert daN/cmc	KwOriz. daN/cmc
1	15.00	0.00

IDEN	COSTANTE WINKLER	
Crit N.ro	KwVert daN/cmc	KwOriz. daN/cmc
2	5.00	0.00

IDEN	COSTANTE WINKLER	
Crit N.ro	KwVert daN/cmc	KwOriz. daN/cmc

DATI GENERALI DI STRUTTURA

P A R A M E T R I S I S M I C I			
Vita Nominale (Anni)	50	Classe d' Uso	TERZA
Longitudine Est (Grd)	11.05396	Latitudine Nord (Grd)	43.88499
Categoria Suolo	B	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
PARAMETRI SPETTRO ELASTICO - SISMA S.L.O.			
Probabilita' Pvr	0.81	Periodo di Ritorno Anni	45.00
Accelerazione Ag/g	0.06	Periodo T'c (sec.)	0.26
Fo	2.54	Fv	0.82
Fattore Stratigrafia 'S'	1.20	Periodo TB (sec.)	0.13
Periodo TC (sec.)	0.38	Periodo TD (sec.)	1.83
PARAMETRI SPETTRO ELASTICO - SISMA S.L.D.			
Probabilita' Pvr	0.63	Periodo di Ritorno Anni	75.00
Accelerazione Ag/g	0.07	Periodo T'c (sec.)	0.27
Fo	2.54	Fv	0.91
Fattore Stratigrafia 'S'	1.20	Periodo TB (sec.)	0.13
Periodo TC (sec.)	0.39	Periodo TD (sec.)	1.88
PARAMETRI SPETTRO ELASTICO - SISMA S.L.V.			
Probabilita' Pvr	0.10	Periodo di Ritorno Anni	712.00
Accelerazione Ag/g	0.16	Periodo T'c (sec.)	0.31
Fo	2.40	Fv	1.31
Fattore Stratigrafia 'S'	1.20	Periodo TB (sec.)	0.14
Periodo TC (sec.)	0.43	Periodo TD (sec.)	2.25
PARAMETRI SPETTRO ELASTICO - SISMA S.L.C.			
Probabilita' Pvr	0.05	Periodo di Ritorno Anni	1462.00
Accelerazione Ag/g	0.20	Periodo T'c (sec.)	0.31
Fo	2.39	Fv	1.46
Fattore Stratigrafia 'S'	1.20	Periodo TB (sec.)	0.15
Periodo TC (sec.)	0.44	Periodo TD (sec.)	2.42
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.			
Classe Duttilita'	BASSA	Sotto-Sistema Strutturale	Pendolo
AlfaU/Alfa1	1.10	Fattore riduttivo KW	1.00
Fattore di struttura 'q'	1.20		
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.			
Classe Duttilita'	BASSA	Sotto-Sistema Strutturale	Pendolo
AlfaU/Alfa1	1.10	Fattore riduttivo KW	1.00
Fattore di struttura 'q'	1.20		
COEFFICIENTI DI SICUREZZA PARZIALI DEI MATERIALI			

Acciaio per CLS armato	1.15	Calcestruzzo CLS armato	1.60
Muratura azioni sismiche	3.00	Muratura azioni statiche	2.00
Livello conoscenza	ADEGUATO		

DATI GENERALI DI STRUTTURA

D A T I D I C A L C O L O A G L I S T A T I L I M I T E			
T R A V I D I E L E V A Z I O N E			
Res. caratt. cls fck daN/cmq	250.0	Rap. Mom.T / Mom.T.Ult. (%)	10
Res. calcolo cls fcd daN/cmq	132.0	Ampiezza fess. comb rara mm	
Res. fless. cls rcd daN/cmq	132.0	Ampiezza fess. comb freq mm	0.3
Res. caratt. fer fyk daN/cmq	4400	Ampiezza fess. comb perm mm	0.2
Res. calcolo fer fyd daN/cmq	3826	Sigma mass. cls rara daN/cmq	150.0
Mod. elastico ferro daN/cmq	2100000	Sigma mass. cls perm daN/cmq	112.0
Deform. lim. elast. cls ec0	0.20	Sigma mass. fer rara daN/cmq	2660
Deformazione ultima cls ecu	0.35	lung.elem. / spos.lim rara	
Deformazione ultima fer eyu	1.00	lung.elem. / spos.lim perm.	
Rap. incr. arm.tes/comp (%)	50	Coefficiente di viscosita'	2.0
T R A V I D I F O N D A Z I O N E			
Res. caratt. cls fck daN/cmq	200.0	Rap. Mom.T / Mom.T.Ult. (%)	10
Res. calcolo cls fcd daN/cmq	106.0	Ampiezza fess. comb rara mm	
Res. fless. cls rcd daN/cmq	106.0	Ampiezza fess. comb freq mm	0.4
Res. caratt. fer fyk daN/cmq	4500	Ampiezza fess. comb perm mm	0.3
Res. calcolo fer fyd daN/cmq	3913	Sigma mass. cls rara daN/cmq	120.0
Mod. elastico ferro daN/cmq	2100000	Sigma mass. cls perm daN/cmq	90.0
Deform. lim. elast. cls ec0	0.20	Sigma mass. fer rara daN/cmq	3600
Deformazione ultima cls ecu	0.35	lung.elem. / spos.lim rara	
Deformazione ultima fer eyu	1.00	lung.elem. / spos.lim perm.	
Rap. incr. arm.tes/comp (%)	50	Coefficiente di viscosita'	2.0

D A T I D I C A L C O L O A G L I S T A T I L I M I T E			
P I L A S T R I			
Res. caratt. cls fck daN/cmq	250.0	Rap. Mom.T / Mom.T.Ult. (%)	10
Res. calcolo cls fcd daN/cmq	132.0	Ampiezza fess. comb rara mm	
Res. fless. cls rcd daN/cmq	132.0	Ampiezza fess. comb freq mm	0.4
Res. caratt. fer fyk daN/cmq	4500	Ampiezza fess. comb perm mm	0.3
Res. calcolo fer fyd daN/cmq	3913	Sigma mass. cls rara daN/cmq	150.0
Mod. elastico ferro daN/cmq	2100000	Sigma mass. cls perm daN/cmq	112.0
Deform. lim. elast. cls ec0	0.20	Sigma mass. fer rara daN/cmq	3600
Deformazione ultima cls ecu	0.35	lung.elem. / spos.lim rara	
Deformazione ultima fer eyu	1.00	lung.elem. / spos.lim perm.	
Rap. incr. arm.tes/comp (%)	50	Coefficiente di viscosita'	2.0
S E T T I			
Res. caratt. cls fck daN/cmq	200.0		
Res. calcolo cls fcd daN/cmq	106.0	Ampiezza fess. comb rara mm	
Res. fless. cls rcd daN/cmq	106.0	Ampiezza fess. comb freq mm	0.3
Res. caratt. fer fyk daN/cmq	4400	Ampiezza fess. comb perm mm	0.2
Res. calcolo fer fyd daN/cmq	3826	Sigma mass. cls rara daN/cmq	120.0
Mod. elastico ferro daN/cmq	2100000	Sigma mass. cls perm daN/cmq	90.0
Deform. lim. elast. cls ec0	0.20	Sigma mass. fer rara daN/cmq	3520
Deformazione ultima cls ecu	0.35		
Deformazione ultima fer eyu	1.00		
Rap. incr. arm.tes/comp (%)	50		

COORDINATE DEI NODI

IDENT.	POSIZIONE NODO			ATTRIBUTI		
Nodo3d N.ro	Coord.X (m)	Coord.Y (m)	Coord.Z (m)	Filo N.ro	Piano Sism.	Peso (t)
1	0.00	0.00	0.00	1	0	0.00
2	4.00	0.00	0.00	2	0	0.00
3	0.00	3.80	0.00	8	0	0.00
4	4.00	3.80	0.00	9	0	0.00
5	8.00	0.00	0.00	3	0	0.00
6	8.00	3.80	0.00	10	0	0.00
7	12.00	0.00	0.00	4	0	0.00
8	12.00	9.60	0.00	17	0	0.00
9	16.00	0.00	0.00	5	0	0.00
10	16.00	3.80	0.00	11	0	0.00
11	20.00	0.00	0.00	6	0	0.00
12	20.00	3.80	0.00	12	0	0.00
13	24.00	0.00	0.00	7	0	0.00
14	24.00	3.80	0.00	13	0	0.00
15	0.00	9.60	0.00	14	0	0.00
16	4.00	9.60	0.00	15	0	0.00
17	8.00	9.60	0.00	16	0	0.00
18	16.00	9.60	0.00	18	0	0.00
19	20.00	9.60	0.00	19	0	0.00
20	24.00	9.60	0.00	20	0	0.00
21	0.00	15.40	0.00	21	0	0.00
22	4.00	15.40	0.00	22	0	0.00
23	8.00	15.40	0.00	23	0	0.00
24	12.00	15.40	0.00	24	0	0.00
25	16.00	15.40	0.00	25	0	0.00
26	20.00	15.40	0.00	26	0	0.00
27	24.00	15.40	0.00	27	0	0.00
28	0.00	0.00	3.90	1	0	1.52
29	4.00	0.00	3.90	2	0	1.86
30	8.00	0.00	3.90	3	0	1.86
31	12.00	0.00	3.90	4	0	1.86
32	16.00	0.00	3.90	5	0	1.86
33	20.00	0.00	3.90	6	0	1.86
34	24.00	0.00	3.90	7	0	1.52
35	0.00	3.80	4.15	8	0	2.25
36	4.00	3.80	4.15	9	0	2.88
37	8.00	3.80	4.15	10	0	2.88
38	16.00	3.80	4.15	11	0	2.88
39	20.00	3.80	4.15	12	0	2.88
40	24.00	3.80	4.15	13	0	2.25
41	0.00	9.60	4.15	14	0	2.53
42	4.00	9.60	4.15	15	0	2.44
43	8.00	9.60	4.15	16	0	3.29
44	12.00	9.60	4.15	17	0	3.29
45	16.00	9.60	4.15	18	0	3.29
46	20.00	9.60	4.15	19	0	2.44
47	24.00	9.60	4.15	20	0	2.53
48	0.00	15.40	3.90	21	0	1.81
49	4.00	15.40	3.90	22	0	2.27
50	8.00	15.40	3.90	23	0	2.27
51	12.00	15.40	3.90	24	0	2.27
52	16.00	15.40	3.90	25	0	2.27
53	20.00	15.40	3.90	26	0	2.27
54	24.00	15.40	3.90	27	0	1.81
55	0.00	16.40	3.90	28	0	0.18
56	0.00	-1.00	3.90	35	0	0.18
57	4.00	16.40	3.90	29	0	0.28
58	8.00	16.40	3.90	30	0	0.28
59	12.00	16.40	3.90	31	0	0.28
60	16.00	16.40	3.90	32	0	0.28
61	20.00	16.40	3.90	33	0	0.28
62	24.00	16.40	3.90	34	0	0.18
63	4.00	-1.00	3.90	36	0	0.28
64	8.00	-1.00	3.90	37	0	0.28

65	12.00	-1.00	3.90	38	0	0.28
66	16.00	-1.00	3.90	39	0	0.28
67	20.00	-1.00	3.90	40	0	0.28
68	24.00	-1.00	3.90	41	0	0.18
69	12.00	3.80	4.15	42	0	2.03
70	8.00	1.50	0.00	43	0	0.00
71	12.00	1.50	0.00	44	0	0.00
72	16.00	1.50	0.00	45	0	0.00
73	0.00	13.00	0.00	46	0	0.00
74	4.00	13.00	0.00	47	0	0.00
75	8.00	13.00	0.00	48	0	0.00
76	12.00	13.00	0.00	49	0	0.00
77	16.00	13.00	0.00	50	0	0.00
78	20.00	13.00	0.00	51	0	0.00
79	24.00	13.00	0.00	52	0	0.00

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)	Crit Geot
1	1	2	0.00	0.00	1	2	2	1	Rett. 40 x 74	80	0	15	0	-35	-15	0	-35	
2	1	8	0.00	0.00	1	3	2	11	T 60 x 74	100	0	0	25	-35	0	-25	-35	
3	2	9	0.00	0.00	2	4	2	11	T 60 x 74	100	0	0	25	-35	0	-25	-35	
4	43	10	0.00	0.00	70	6	2	11	T 60 x 74	100	0	0	25	-35	0	-25	-35	
5	44	17	0.00	0.00	71	8	2	11	T 60 x 74	100	0	0	25	-35	0	-25	-35	
6	45	11	0.00	0.00	72	10	2	11	T 60 x 74	100	0	0	25	-35	0	-25	-35	
7	6	12	0.00	0.00	11	12	2	11	T 60 x 74	100	0	0	25	-35	0	-25	-35	
8	7	13	0.00	0.00	13	14	2	11	T 60 x 74	100	0	0	25	-35	0	-25	-35	
9	8	14	0.00	0.00	3	15	2	11	T 60 x 74	100	0	0	25	-35	0	-25	-35	
10	9	15	0.00	0.00	4	16	2	11	T 60 x 74	100	0	0	25	-35	0	-25	-35	
11	10	16	0.00	0.00	6	17	2	11	T 60 x 74	100	0	0	25	-35	0	-25	-35	
12	11	18	0.00	0.00	10	18	2	11	T 60 x 74	100	0	0	25	-35	0	-25	-35	
13	12	19	0.00	0.00	12	19	2	11	T 60 x 74	100	0	0	25	-35	0	-25	-35	
14	13	20	0.00	0.00	14	20	2	11	T 60 x 74	100	0	0	25	-35	0	-25	-35	
15	14	46	0.00	0.00	15	73	2	11	T 60 x 74	100	0	0	25	-35	0	-25	-35	
16	15	47	0.00	0.00	16	74	2	11	T 60 x 74	100	0	0	25	-35	0	-25	-35	
17	16	48	0.00	0.00	17	75	2	11	T 60 x 74	100	0	0	25	-35	0	-25	-35	
18	17	49	0.00	0.00	8	76	2	11	T 60 x 74	100	0	0	25	-35	0	-25	-35	
19	18	50	0.00	0.00	18	77	2	11	T 60 x 74	100	0	0	25	-35	0	-25	-35	
20	19	51	0.00	0.00	19	78	2	11	T 60 x 74	100	0	0	25	-35	0	-25	-35	
21	20	52	0.00	0.00	20	79	2	11	T 60 x 74	100	0	0	25	-35	0	-25	-35	
22	2	3	0.00	0.00	2	5	2	1	Rett. 40 x 74	80	0	15	0	-35	-15	0	-35	
23	3	4	0.00	0.00	5	7	2	1	Rett. 40 x 74	80	0	15	0	-35	-15	0	-35	
24	4	5	0.00	0.00	7	9	2	1	Rett. 40 x 74	80	0	15	0	-35	-15	0	-35	
25	5	6	0.00	0.00	9	11	2	1	Rett. 40 x 74	80	0	15	0	-35	-15	0	-35	
26	6	7	0.00	0.00	11	13	2	1	Rett. 40 x 74	80	0	15	0	-35	-15	0	-35	
27	8	9	0.00	0.00	3	4	2	1	Rett. 40 x 74	80	0	15	0	-35	-15	0	-35	
28	9	10	0.00	0.00	4	6	2	1	Rett. 40 x 74	80	0	15	0	-35	-15	0	-35	
29	11	12	0.00	0.00	10	12	2	1	Rett. 40 x 74	80	0	15	0	-35	-15	0	-35	
30	12	13	0.00	0.00	12	14	2	1	Rett. 40 x 74	80	0	15	0	-35	-15	0	-35	
31	14	15	0.00	0.00	15	16	2	1	Rett. 40 x 74	80	0	15	0	-35	-15	0	-35	
32	15	16	0.00	0.00	16	17	2	1	Rett. 40 x 74	80	0	15	0	-35	-15	0	-35	
33	16	17	0.00	0.00	17	8	2	1	Rett. 40 x 74	80	0	15	0	-35	-15	0	-35	
34	17	18	0.00	0.00	8	18	2	1	Rett. 40 x 74	80	0	15	0	-35	-15	0	-35	
35	18	19	0.00	0.00	18	19	2	1	Rett. 40 x 74	80	0	15	0	-35	-15	0	-35	
36	19	20	0.00	0.00	19	20	2	1	Rett. 40 x 74	80	0	15	0	-35	-15	0	-35	
37	21	22	0.00	0.00	21	22	2	1	Rett. 40 x 74	80	0	15	0	-35	-15	0	-35	
38	22	23	0.00	0.00	22	23	2	1	Rett. 40 x 74	80	0	15	0	-35	-15	0	-35	
39	23	24	0.00	0.00	23	24	2	1	Rett. 40 x 74	80	0	15	0	-35	-15	0	-35	
40	24	25	0.00	0.00	24	25	2	1	Rett. 40 x 74	80	0	15	0	-35	-15	0	-35	
41	25	26	0.00	0.00	25	26	2	1	Rett. 40 x 74	80	0	15	0	-35	-15	0	-35	
42	26	27	0.00	0.00	26	27	2	1	Rett. 40 x 74	80	0	15	0	-35	-15	0	-35	
43	1	1	3.90	0.00	28	1	3	2	Rett. 30 x 50	0	0	0	0	-40	0	0	0	
44	2	2	3.90	0.00	29	2	3	2	Rett. 30 x 50	0	0	0	0	-40	0	0	0	
45	3	3	3.90	0.00	30	5	3	2	Rett. 30 x 50	0	0	0	0	-40	0	0	0	
46	4	4	3.90	0.00	31	7	3	2	Rett. 30 x 50	0	0	0	0	-40	0	0	0	
47	5	5	3.90	0.00	32	9	3	2	Rett. 30 x 50	0	0	0	0	-40	0	0	0	
48	6	6	3.90	0.00	33	11	3	2	Rett. 30 x 50	0	0	0	0	-40	0	0	0	
49	7	7	3.90	0.00	34	13	3	2	Rett. 30 x 50	0	0	0	0	-40	0	0	0	
50	8	8	4.15	0.00	35	3	3	2	Rett. 30 x 50	0	0	0	0	-40	0	0	0	
51	9	9	4.15	0.00	36	4	3	2	Rett. 30 x 50	0	0	0	0	-40	0	0	0	
52	10	10	4.15	0.00	37	6	3	2	Rett. 30 x 50	0	0	0	0	-40	0	0	0	
53	11	11	4.15	0.00	38	10	3	2	Rett. 30 x 50	0	0	0	0	-40	0	0	0	
54	12	12	4.15	0.00	39	12	3	2	Rett. 30 x 50	0	0	0	0	-40	0	0	0	
55	13	13	4.15	0.00	40	14	3	2	Rett. 30 x 50	0	0	0	0	-40	0	0	0	
56	14	14	4.15	0.00	41	15	3	2	Rett. 30 x 50	0	0	0	0	-40	0	0	0	
57	16	16	4.15	0.00	43	17	3	2	Rett. 30 x 50	0	0	0	0	-40	0	0	0	
58	17	17	4.15	0.00	44	8	3	2	Rett. 30 x 50	0	0	0	0	-40	0	0	0	
59	18	18	4.15	0.00	45	18	3	2	Rett. 30 x 50	0	0	0	0	-40	0	0	0	
60	20	20	4.15	0.00	47	20	3	2	Rett. 30 x 50	0	0	0	0	-40	0	0	0	
61	21	21	3.90	0.00	48	21	3	2	Rett. 30 x 50	0	0	0	0	-40	0	0	0	
62	22	22	3.90	0.00	49	22	3	2	Rett. 30 x 50	0	0	0	0	-40	0	0	0	
63	23	23	3.90	0.00	50	23	3	2	Rett. 30 x 50	0	0	0	0	-40	0	0	0	
64	24	24	3.90	0.00	51	24	3	2	Rett. 30 x 50	0	0	0	0	-40	0	0	0	
65	25	25	3.90	0.00	52	25	3	2	Rett. 30 x 50	0	0	0	0	-40	0	0	0	
66	26	26	3.90	0.00	53	26	3	2	Rett. 30 x 50	0	0	0	0	-40	0	0	0	
67	27	27	3.90	0.00	54	27	3	2	Rett. 30 x 50	0	0	0	0	-40	0	0	0	
68	1	8	3.90	4.15	28	35	101	1933	Leg18x68.7	0	0	0	0	-21	0	0	-19	
69	8	14	4.15	4.15	35	41	101	1933	Leg18x68.7	0	0	0	0	-21	0	0	-19	
70	14	21	4.15	3.90	41	48	101	1933	Leg18x68.7	0	0	0	0	-21	0	0	-19	
71	21	28	3.90	3.90	48	55	101	1933	Leg18x68.7	0	0	0	0	-21	0	0	-19	
72	35	1	3.90	3.90	56	28	101	1933	Leg18x68.7	0	0	0	0	-21	0	0	-19	
73	22	29	3.90	3.90	49	57	101	1933	Leg18x68.7	0	0	0	0	-21	0	0	-19	
74	23	30	3.90	3.90	50	58	101	1933	Leg18x68.7	0	0	0	0	-21	0	0	-19	
75	24	31	3.90	3.90	51	59	101	1933	Leg18x68.7	0	0	0	0	-21	0	0	-19	
76	25	32	3.90	3.90	52	60	101	1933	Leg18x68.7	0	0	0	0	-21	0	0	-19	
77	26	33	3.90	3.90	53	61	101	1933	Leg18x68.7	0	0	0	0	-21	0	0	-19	

78	27	34	3.90	3.90	54	62	101	1933	Leg18x68.7	0	0	0	0	-21	0	0	-19		
79	15	22	4.15	3.90	42	49	101	1933	Leg18x68.7	0	0	0	0	-21	0	0	-19		
80	16	23	4.15	3.90	43	50	101	1933	Leg18x68.7	0	0	0	0	-21	0	0	-19		
81	17	24	4.15	3.90	44	51	101	1933	Leg18x68.7	0	0	0	0	-21	0	0	-19		
82	18	25	4.15	3.90	45	52	101	1933	Leg18x68.7	0	0	0	0	-21	0	0	-19		
83	19	26	4.15	3.90	46	53	101	1933	Leg18x68.7	0	0	0	0	-21	0	0	-19		
84	20	27	4.15	3.90	47	54	101	1933	Leg18x68.7	0	0	0	0	-21	0	0	-19		
85	9	15	4.15	4.15	36	42	101	1933	Leg18x68.7	0	0	0	0	-21	0	0	-19		
86	10	16	4.15	4.15	37	43	101	1933	Leg18x68.7	0	0	0	0	-21	0	0	-19		
87	11	18	4.15	4.15	38	45	101	1933	Leg18x68.7	0	0	0	0	-21	0	0	-19		
88	12	19	4.15	4.15	39	46	101	1933	Leg18x68.7	0	0	0	0	-21	0	0	-19		
89	13	20	4.15	4.15	40	47	101	1933	Leg18x68.7	0	0	0	0	-21	0	0	-19		
90	2	9	3.90	4.15	29	36	101	1933	Leg18x68.7	0	0	0	0	-21	0	0	-19		
91	3	10	3.90	4.15	30	37	101	1933	Leg18x68.7	0	0	0	0	-21	0	0	-19		
92	5	11	3.90	4.15	32	38	101	1933	Leg18x68.7	0	0	0	0	-21	0	0	-19		
93	6	12	3.90	4.15	33	39	101	1933	Leg18x68.7	0	0	0	0	-21	0	0	-19		
94	7	13	3.90	4.15	34	40	101	1933	Leg18x68.7	0	0	0	0	-21	0	0	-19		
95	36	2	3.90	3.90	63	29	101	1933	Leg18x68.7	0	0	0	0	-21	0	0	-19		
96	37	3	3.90	3.90	64	30	101	1933	Leg18x68.7	0	0	0	0	-21	0	0	-19		
97	38	4	3.90	3.90	65	31	101	1933	Leg18x68.7	0	0	0	0	-21	0	0	-19		
98	39	5	3.90	3.90	66	32	101	1933	Leg18x68.7	0	0	0	0	-21	0	0	-19		
99	40	6	3.90	3.90	67	33	101	1933	Leg18x68.7	0	0	0	0	-21	0	0	-19		
100	41	7	3.90	3.90	68	34	101	1933	Leg18x68.7	0	0	0	0	-21	0	0	-19		
101	4	42	3.90	4.15	31	69	101	1933	Leg18x68.7	0	0	0	0	-21	0	0	-19		
102	21	22	3.90	3.90	48	49	101	1934	Leg16x36	0	0	15	0	-18	-15	0	-18		
103	1	2	3.90	3.90	28	29	101	1934	Leg16x36	0	0	15	0	-18	-15	0	-18		
104	2	3	3.90	3.90	29	30	101	1934	Leg16x36	0	0	15	0	-18	-15	0	-18		
105	3	4	3.90	3.90	30	31	101	1934	Leg16x36	0	0	15	0	-18	-15	0	-18		
106	4	5	3.90	3.90	31	32	101	1934	Leg16x36	0	0	15	0	-18	-15	0	-18		
107	5	6	3.90	3.90	32	33	101	1934	Leg16x36	0	0	15	0	-18	-15	0	-18		
108	6	7	3.90	3.90	33	34	101	1934	Leg16x36	0	0	15	0	-18	-15	0	-18		
109	8	9	4.15	4.15	35	36	101	1934	Leg16x36	0	0	15	0	-18	-15	0	-18		
110	9	10	4.15	4.15	36	37	101	1934	Leg16x36	0	0	15	0	-18	-15	0	-18		
111	11	12	4.15	4.15	38	39	101	1934	Leg16x36	0	0	15	0	-18	-15	0	-18		
112	12	13	4.15	4.15	39	40	101	1934	Leg16x36	0	0	15	0	-18	-15	0	-18		
113	14	15	4.15	4.15	41	42	101	1934	Leg16x36	0	0	15	0	-18	-15	0	-18		
114	15	16	4.15	4.15	42	43	101	1934	Leg16x36	0	0	15	0	-18	-15	0	-18		
115	16	17	4.15	4.15	43	44	101	1934	Leg16x36	0	0	15	0	-18	-15	0	-18		
116	17	18	4.15	4.15	44	45	101	1934	Leg16x36	0	0	15	0	-18	-15	0	-18		
117	18	19	4.15	4.15	45	46	101	1934	Leg16x36	0	0	15	0	-18	-15	0	-18		
118	19	20	4.15	4.15	46	47	101	1934	Leg16x36	0	0	15	0	-18	-15	0	-18		
119	22	23	3.90	3.90	49	50	101	1934	Leg16x36	0	0	15	0	-18	-15	0	-18		
120	23	24	3.90	3.90	50	51	101	1934	Leg16x36	0	0	15	0	-18	-15	0	-18		
121	24	25	3.90	3.90	51	52	101	1934	Leg16x36	0	0	15	0	-18	-15	0	-18		
122	25	26	3.90	3.90	52	53	101	1934	Leg16x36	0	0	15	0	-18	-15	0	-18		
123	26	27	3.90	3.90	53	54	101	1934	Leg16x36	0	0	15	0	-18	-15	0	-18		
124	35	36	3.90	3.90	56	63	101	1934	Leg16x36	0	0	0	0	-18	0	0	-18		
125	36	37	3.90	3.90	63	64	101	1934	Leg16x36	0	0	0	0	-18	0	0	-18		
126	37	38	3.90	3.90	64	65	101	1934	Leg16x36	0	0	0	0	-18	0	0	-18		
127	38	39	3.90	3.90	65	66	101	1934	Leg16x36	0	0	0	0	-18	0	0	-18		
128	39	40	3.90	3.90	66	67	101	1934	Leg16x36	0	0	0	0	-18	0	0	-18		
129	40	41	3.90	3.90	67	68	101	1934	Leg16x36	0	0	0	0	-18	0	0	-18		
130	28	29	3.90	3.90	55	57	101	1934	Leg16x36	0	0	0	0	-18	0	0	-18		
131	29	30	3.90	3.90	57	58	101	1934	Leg16x36	0	0	0	0	-18	0	0	-18		
132	30	31	3.90	3.90	58	59	101	1934	Leg16x36	0	0	0	0	-18	0	0	-18		
133	31	32	3.90	3.90	59	60	101	1934	Leg16x36	0	0	0	0	-18	0	0	-18		
134	32	33	3.90	3.90	60	61	101	1934	Leg16x36	0	0	0	0	-18	0	0	-18		
135	33	34	3.90	3.90	61	62	101	1934	Leg16x36	0	0	0	0	-18	0	0	-18		
136	42	17	4.15	4.15	69	44	101	1933	Leg18x68.7	0	0	0	0	-21	0	0	-19		
137	10	42	4.15	4.15	37	69	101	1934	Leg16x36	0	0	15	0	-18	0	0	-18		
138	42	11	4.15	4.15	69	38	101	1934	Leg16x36	0	0	0	0	-18	-15	0	-18		
139	4	44	0.00	0.00	7	71	2	11	T 60 x 74	100	0	0	25	-35	0	-25	-35		
140	43	44	0.00	0.00	70	71	2	1	Rett. 40 x 74	80	0	0	0	-35	0	0	-35		
141	44	45	0.00	0.00	71	72	2	1	Rett. 40 x 74	80	0	0	0	-35	0	0	-35		
142	3	43	0.00	0.00	5	70	2	11	T 60 x 74	100	0	0	25	-35	0	-25	-35		
143	5	45	0.00	0.00	9	72	2	11	T 60 x 74	100	0	0	25	-35	0	-25	-35		
144	46	21	0.00	0.00	73	21	2	11	T 60 x 74	100	0	0	25	-35	0	-25	-35		
145	47	22	0.00	0.00	74	22	2	11	T 60 x 74	100	0	0	25	-35	0	-25	-35		
146	48	23	0.00	0.00	75	23	2	11	T 60 x 74	100	0	0	25	-35	0	-25	-35		
147	49	24	0.00	0.00	76	24	2	11	T 60 x 74	100	0	0	25	-35	0	-25	-35		
148	50	25	0.00	0.00	77	25	2	11	T 60 x 74	100	0	0	25	-35	0	-25	-35		
149	51	26	0.00	0.00	78	26	2	11	T 60 x 74	100	0	0	25	-35	0	-25	-35		
150	52	27	0.00	0.00	79	27	2	11	T 60 x 74	100	0	0	25	-35	0	-25	-35		
151	46	47	0.00	0.00	73	74	2	1	Rett. 40 x 74	80	0	15	0	-35	-15	0	-35		
152	47	48	0.00	0.00	74	75	2	1	Rett. 40 x 74	80	0	15	0	-35	-15	0	-35		
153	48	49	0.00	0.00	75	76	2	1	Rett. 40 x 74	80	0	15	0	-35	-15	0	-35		
154	49	50	0.00	0.00	76	77	2	1	Rett. 40 x 74	80	0	15	0	-35	-15	0	-35		
155	50	51	0.00	0.00	77	78	2	1	Rett. 40 x 74	80	0	15	0	-35	-15	0	-35		
156	51	52	0.00	0.00	78	79	2	1	Rett. 40 x 74	80	0	15	0	-35	-15	0	-35		

VINCOLI E CEDIMENTI NODALI

IDENTIFIC.		RIGIDEZZE TRASLANTI			RIGIDEZZE ROTAZIONALI			SCOSTAMENTI						VERSO SPOSTAMENTI UNILATERI					
Nodo3d N.ro	Codice	Tx t/m	Ty t/m	Tz t/m	Rx t*m	Ry t*m	Rz t*m	Tr.X cm	Tr.Y cm	Tr.Z cm	Azim Grd	CoZe Grd	Ass. Grd	Tr.X	Tr.Y	Tr.Z	RotX	RotY	RotZ
1	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
2	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
3	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
4	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
5	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
6	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
7	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
8	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
9	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
10	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
11	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
12	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
13	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
14	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
15	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
16	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
17	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
18	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
19	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
20	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
21	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
22	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
23	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						

24	W	-1	-1	0	0	0	-1	0	0	0	0	0	0
25	W	-1	-1	0	0	0	-1	0	0	0	0	0	0
26	W	-1	-1	0	0	0	-1	0	0	0	0	0	0
27	W	-1	-1	0	0	0	-1	0	0	0	0	0	0
70	W	-1	-1	0	0	0	-1	0	0	0	0	0	0
71	W	-1	-1	0	0	0	-1	0	0	0	0	0	0
72	W	-1	-1	0	0	0	-1	0	0	0	0	0	0
73	W	-1	-1	0	0	0	-1	0	0	0	0	0	0
74	W	-1	-1	0	0	0	-1	0	0	0	0	0	0
75	W	-1	-1	0	0	0	-1	0	0	0	0	0	0
76	W	-1	-1	0	0	0	-1	0	0	0	0	0	0
77	W	-1	-1	0	0	0	-1	0	0	0	0	0	0
78	W	-1	-1	0	0	0	-1	0	0	0	0	0	0
79	W	-1	-1	0	0	0	-1	0	0	0	0	0	0

VINCOLI INTERNI ASTE

	VINCOLO NODO INIZIALE							VINCOLO NODO FINALE								
IDENT.	RIGIDEZZE TRASLANTI				RIGIDEZZE ROTAZIONALI			RIGIDEZZE TRASLANTI				RIGIDEZZE ROTAZIONALI			COEFFICIENTI BETA	
Asta3d N.ro	Codice	Tx t/m	Ty t/m	Tz t/m	Rx t/m	Ry t/m	Rz t/m	Codice	Tx t/m	Ty t/m	Tz t/m	Rx t/m	Ry t/m	Rz t/m	Beta X	Beta Y
43	E	-1.0	-1.0	-1.0	0.0	-1.0	-1.0	I	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	1.00	1.00
44	E	-1.0	-1.0	-1.0	0.0	-1.0	-1.0	I	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	1.00	1.00
45	E	-1.0	-1.0	-1.0	0.0	-1.0	-1.0	I	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	1.00	1.00
46	E	-1.0	-1.0	-1.0	0.0	-1.0	-1.0	I	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	1.00	1.00
47	E	-1.0	-1.0	-1.0	0.0	-1.0	-1.0	I	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	1.00	1.00
48	E	-1.0	-1.0	-1.0	0.0	-1.0	-1.0	I	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	1.00	1.00
49	E	-1.0	-1.0	-1.0	0.0	-1.0	-1.0	I	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	1.00	1.00
50	E	-1.0	-1.0	-1.0	0.0	-1.0	-1.0	I	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	1.00	1.00
51	E	-1.0	-1.0	-1.0	0.0	-1.0	-1.0	I	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	1.00	1.00
52	E	-1.0	-1.0	-1.0	0.0	-1.0	-1.0	I	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	1.00	1.00
53	E	-1.0	-1.0	-1.0	0.0	-1.0	-1.0	I	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	1.00	1.00
54	E	-1.0	-1.0	-1.0	0.0	-1.0	-1.0	I	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	1.00	1.00
55	E	-1.0	-1.0	-1.0	0.0	-1.0	-1.0	I	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	1.00	1.00
56	E	-1.0	-1.0	-1.0	0.0	-1.0	-1.0	I	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	1.00	1.00
57	E	-1.0	-1.0	-1.0	0.0	-1.0	-1.0	I	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	1.00	1.00
58	E	-1.0	-1.0	-1.0	0.0	-1.0	-1.0	I	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	1.00	1.00
59	E	-1.0	-1.0	-1.0	0.0	-1.0	-1.0	I	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	1.00	1.00
60	E	-1.0	-1.0	-1.0	0.0	-1.0	-1.0	I	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	1.00	1.00
61	E	-1.0	-1.0	-1.0	0.0	-1.0	-1.0	I	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	1.00	1.00
62	E	-1.0	-1.0	-1.0	0.0	-1.0	-1.0	I	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	1.00	1.00
63	E	-1.0	-1.0	-1.0	0.0	-1.0	-1.0	I	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	1.00	1.00
64	E	-1.0	-1.0	-1.0	0.0	-1.0	-1.0	I	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	1.00	1.00
65	E	-1.0	-1.0	-1.0	0.0	-1.0	-1.0	I	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	1.00	1.00
66	E	-1.0	-1.0	-1.0	0.0	-1.0	-1.0	I	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	1.00	1.00
67	E	-1.0	-1.0	-1.0	0.0	-1.0	-1.0	I	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	1.00	1.00
102	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.70	0.70
103	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.70	0.70
104	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.70	0.70
105	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.70	0.70
106	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.70	0.70
107	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.70	0.70
108	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.70	0.70
109	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.70	0.70
110	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.70	0.70
111	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.70	0.70
112	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.70	0.70
113	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.70	0.70
114	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.70	0.70
115	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.70	0.70
116	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.70	0.70
117	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.70	0.70
118	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.70	0.70
119	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.70	0.70
120	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.70	0.70
121	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.70	0.70
122	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.70	0.70
123	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.70	0.70
124	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.70	0.70
125	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.70	0.70
126	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.70	0.70
127	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.70	0.70
128	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.70	0.70
129	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.70	0.70
130	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.70	0.70
131	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.70	0.70
132	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.70	0.70
133	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.70	0.70
134	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.70	0.70
135	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.70	0.70
137	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.70	0.70
138	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.70	0.70

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	Pretenst
3	0	0.00	0.00	-2.00	0.00	0.00	-2.00	0.00	0.0
4	0	0.00	0.00	-1.80	0.00	0.00	-1.80	0.00	0.0
5	0	0.00	0.00	-0.80	0.00	0.00	-0.80	0.00	0.0
6	0	0.00	0.00	-1.80	0.00	0.00	-1.80	0.00	0.0

7	0	0.00	0.00	-2.00	0.00	0.00	-2.00	0.00	0.0
9	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
10	0	0.00	0.00	-0.80	0.00	0.00	-0.80	0.00	0.0
11	0	0.00	0.00	-0.60	0.00	0.00	-0.60	0.00	0.0
12	0	0.00	0.00	-0.60	0.00	0.00	-0.60	0.00	0.0
13	0	0.00	0.00	-0.80	0.00	0.00	-0.80	0.00	0.0
14	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
15	0	0.00	0.00	-0.80	0.00	0.00	-0.80	0.00	0.0
16	0	0.00	0.00	-0.80	0.00	0.00	-0.80	0.00	0.0
17	0	0.00	0.00	-0.80	0.00	0.00	-0.80	0.00	0.0
18	0	0.00	0.00	-0.60	0.00	0.00	-0.60	0.00	0.0
19	0	0.00	0.00	-0.80	0.00	0.00	-0.80	0.00	0.0
20	0	0.00	0.00	-0.80	0.00	0.00	-0.80	0.00	0.0
21	0	0.00	0.00	-0.80	0.00	0.00	-0.80	0.00	0.0
22	0	0.00	0.00	-1.05	0.00	0.00	-1.05	0.00	0.0
25	0	0.00	0.00	-1.05	0.00	0.00	-1.05	0.00	0.0
27	0	0.00	0.00	-0.21	0.00	0.00	-0.21	0.00	0.0
28	0	0.00	0.00	-0.21	0.00	0.00	-0.21	0.00	0.0
29	0	0.00	0.00	-0.21	0.00	0.00	-0.21	0.00	0.0
30	0	0.00	0.00	-0.21	0.00	0.00	-0.21	0.00	0.0
31	0	0.00	0.00	-0.60	0.00	0.00	-0.60	0.00	0.0
32	0	0.00	0.00	-0.60	0.00	0.00	-0.60	0.00	0.0
33	0	0.00	0.00	-0.60	0.00	0.00	-0.60	0.00	0.0
34	0	0.00	0.00	-0.60	0.00	0.00	-0.60	0.00	0.0
35	0	0.00	0.00	-0.60	0.00	0.00	-0.60	0.00	0.0
36	0	0.00	0.00	-0.60	0.00	0.00	-0.60	0.00	0.0
37	0	0.00	0.00	-0.21	0.00	0.00	-0.21	0.00	0.0
38	0	0.00	0.00	-0.21	0.00	0.00	-0.21	0.00	0.0
39	0	0.00	0.00	-0.21	0.00	0.00	-0.21	0.00	0.0
40	0	0.00	0.00	-0.21	0.00	0.00	-0.21	0.00	0.0
41	0	0.00	0.00	-0.21	0.00	0.00	-0.21	0.00	0.0
42	0	0.00	0.00	-0.21	0.00	0.00	-0.21	0.00	0.0
68	0	0.00	0.00	-0.20	0.00	0.00	-0.20	0.00	0.0
69	0	0.00	0.00	-0.20	0.00	0.00	-0.20	0.00	0.0
70	0	0.00	0.00	-0.20	0.00	0.00	-0.20	0.00	0.0
71	0	0.00	0.00	-0.20	0.00	0.00	-0.20	0.00	0.0
72	0	0.00	0.00	-0.20	0.00	0.00	-0.20	0.00	0.0
73	0	0.00	0.00	-0.30	0.00	0.00	-0.30	0.00	0.0
74	0	0.00	0.00	-0.30	0.00	0.00	-0.30	0.00	0.0
75	0	0.00	0.00	-0.30	0.00	0.00	-0.30	0.00	0.0
76	0	0.00	0.00	-0.30	0.00	0.00	-0.30	0.00	0.0
77	0	0.00	0.00	-0.30	0.00	0.00	-0.30	0.00	0.0
78	0	0.00	0.00	-0.20	0.00	0.00	-0.20	0.00	0.0
79	0	0.00	0.00	-0.30	0.00	0.00	-0.30	0.00	0.0
80	0	0.00	0.00	-0.30	0.00	0.00	-0.30	0.00	0.0
81	0	0.00	0.00	-0.30	0.00	0.00	-0.30	0.00	0.0
82	0	0.00	0.00	-0.30	0.00	0.00	-0.30	0.00	0.0
83	0	0.00	0.00	-0.30	0.00	0.00	-0.30	0.00	0.0
84	0	0.00	0.00	-0.20	0.00	0.00	-0.20	0.00	0.0
85	0	0.00	0.00	-0.30	0.00	0.00	-0.30	0.00	0.0
86	0	0.00	0.00	-0.30	0.00	0.00	-0.30	0.00	0.0
87	0	0.00	0.00	-0.30	0.00	0.00	-0.30	0.00	0.0
88	0	0.00	0.00	-0.30	0.00	0.00	-0.30	0.00	0.0
89	0	0.00	0.00	-0.20	0.00	0.00	-0.20	0.00	0.0
90	0	0.00	0.00	-0.30	0.00	0.00	-0.30	0.00	0.0
91	0	0.00	0.00	-0.30	0.00	0.00	-0.30	0.00	0.0
92	0	0.00	0.00	-0.30	0.00	0.00	-0.30	0.00	0.0
93	0	0.00	0.00	-0.30	0.00	0.00	-0.30	0.00	0.0
94	0	0.00	0.00	-0.20	0.00	0.00	-0.20	0.00	0.0
95	0	0.00	0.00	-0.30	0.00	0.00	-0.30	0.00	0.0
96	0	0.00	0.00	-0.30	0.00	0.00	-0.30	0.00	0.0
97	0	0.00	0.00	-0.30	0.00	0.00	-0.30	0.00	0.0
98	0	0.00	0.00	-0.30	0.00	0.00	-0.30	0.00	0.0
99	0	0.00	0.00	-0.30	0.00	0.00	-0.30	0.00	0.0
100	0	0.00	0.00	-0.20	0.00	0.00	-0.20	0.00	0.0
101	0	0.00	0.00	-0.30	0.00	0.00	-0.30	0.00	0.0
136	0	0.00	0.00	-0.30	0.00	0.00	-0.30	0.00	0.0
140	0	0.00	0.00	-0.21	0.00	0.00	-0.21	0.00	0.0
141	0	0.00	0.00	-0.21	0.00	0.00	-0.21	0.00	0.0
144	0	0.00	0.00	-0.80	0.00	0.00	-0.80	0.00	0.0
145	0	0.00	0.00	-0.80	0.00	0.00	-0.80	0.00	0.0

146	0	0.00	0.00	-0.80	0.00	0.00	-0.80	0.00	0.0
147	0	0.00	0.00	-0.80	0.00	0.00	-0.80	0.00	0.0
148	0	0.00	0.00	-0.80	0.00	0.00	-0.80	0.00	0.0
149	0	0.00	0.00	-0.80	0.00	0.00	-0.80	0.00	0.0
150	0	0.00	0.00	-0.80	0.00	0.00	-0.80	0.00	0.0
151	0	0.00	0.00	-0.60	0.00	0.00	-0.60	0.00	0.0
152	0	0.00	0.00	-0.60	0.00	0.00	-0.60	0.00	0.0
153	0	0.00	0.00	-0.60	0.00	0.00	-0.60	0.00	0.0
154	0	0.00	0.00	-0.60	0.00	0.00	-0.60	0.00	0.0
155	0	0.00	0.00	-0.60	0.00	0.00	-0.60	0.00	0.0
156	0	0.00	0.00	-0.60	0.00	0.00	-0.60	0.00	0.0

CARICHI DISTRIBUITI ASTE

CONDIZIONE DI CARICO N.ro: 3					ALIQUOTA SISMICA: 33				
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
68	0	0.00	0.00	-0.20	0.00	0.00	-0.20	0.00	0.0
69	0	0.00	0.00	-0.20	0.00	0.00	-0.20	0.00	0.0
70	0	0.00	0.00	-0.20	0.00	0.00	-0.20	0.00	0.0
71	0	0.00	0.00	-0.20	0.00	0.00	-0.20	0.00	0.0
72	0	0.00	0.00	-0.20	0.00	0.00	-0.20	0.00	0.0
73	0	0.00	0.00	-0.32	0.00	0.00	-0.32	0.00	0.0
74	0	0.00	0.00	-0.32	0.00	0.00	-0.32	0.00	0.0
75	0	0.00	0.00	-0.32	0.00	0.00	-0.32	0.00	0.0
76	0	0.00	0.00	-0.32	0.00	0.00	-0.32	0.00	0.0
77	0	0.00	0.00	-0.32	0.00	0.00	-0.32	0.00	0.0
78	0	0.00	0.00	-0.20	0.00	0.00	-0.20	0.00	0.0
79	0	0.00	0.00	-0.32	0.00	0.00	-0.32	0.00	0.0
80	0	0.00	0.00	-0.32	0.00	0.00	-0.32	0.00	0.0
81	0	0.00	0.00	-0.32	0.00	0.00	-0.32	0.00	0.0
82	0	0.00	0.00	-0.32	0.00	0.00	-0.32	0.00	0.0
83	0	0.00	0.00	-0.32	0.00	0.00	-0.32	0.00	0.0
84	0	0.00	0.00	-0.20	0.00	0.00	-0.20	0.00	0.0
85	0	0.00	0.00	-0.32	0.00	0.00	-0.32	0.00	0.0
86	0	0.00	0.00	-0.32	0.00	0.00	-0.32	0.00	0.0
87	0	0.00	0.00	-0.32	0.00	0.00	-0.32	0.00	0.0
88	0	0.00	0.00	-0.32	0.00	0.00	-0.32	0.00	0.0
89	0	0.00	0.00	-0.20	0.00	0.00	-0.20	0.00	0.0
90	0	0.00	0.00	-0.32	0.00	0.00	-0.32	0.00	0.0
91	0	0.00	0.00	-0.32	0.00	0.00	-0.32	0.00	0.0
92	0	0.00	0.00	-0.32	0.00	0.00	-0.32	0.00	0.0
93	0	0.00	0.00	-0.32	0.00	0.00	-0.32	0.00	0.0
94	0	0.00	0.00	-0.20	0.00	0.00	-0.20	0.00	0.0
95	0	0.00	0.00	-0.32	0.00	0.00	-0.32	0.00	0.0
96	0	0.00	0.00	-0.32	0.00	0.00	-0.32	0.00	0.0
97	0	0.00	0.00	-0.32	0.00	0.00	-0.32	0.00	0.0
98	0	0.00	0.00	-0.32	0.00	0.00	-0.32	0.00	0.0
99	0	0.00	0.00	-0.32	0.00	0.00	-0.32	0.00	0.0
100	0	0.00	0.00	-0.20	0.00	0.00	-0.20	0.00	0.0
101	0	0.00	0.00	-0.32	0.00	0.00	-0.32	0.00	0.0
136	0	0.00	0.00	-0.32	0.00	0.00	-0.32	0.00	0.0

CARICHI DISTRIBUITI ASTE

CONDIZIONE DI CARICO N.ro: 5					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
2	0	0.00	0.00	-0.60	0.00	0.00	-0.60	0.00	0.0

3	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
4	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
5	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
6	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
7	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
8	0	0.00	0.00	-0.60	0.00	0.00	-0.60	0.00	0.0
9	0	0.00	0.00	-0.60	0.00	0.00	-0.60	0.00	0.0
10	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
11	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
12	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
13	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
14	0	0.00	0.00	-0.60	0.00	0.00	-0.60	0.00	0.0
15	0	0.00	0.00	-0.60	0.00	0.00	-0.60	0.00	0.0
16	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
17	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
18	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
19	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
20	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
21	0	0.00	0.00	-0.60	0.00	0.00	-0.60	0.00	0.0
139	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
142	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
143	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
144	0	0.00	0.00	-0.60	0.00	0.00	-0.60	0.00	0.0
145	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
146	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
147	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
148	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
149	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
150	0	0.00	0.00	-0.60	0.00	0.00	-0.60	0.00	0.0

CARICHI DISTRIBUITI ASTE

CONDIZIONE DI CARICO N.ro: 6					ALIQUOTA SISMICA: 60				
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
2	0	0.00	0.00	-0.60	0.00	0.00	-0.60	0.00	0.0
3	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
4	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
5	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
6	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
7	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
8	0	0.00	0.00	-0.60	0.00	0.00	-0.60	0.00	0.0
9	0	0.00	0.00	-0.60	0.00	0.00	-0.60	0.00	0.0
10	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
11	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
12	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
13	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
14	0	0.00	0.00	-0.60	0.00	0.00	-0.60	0.00	0.0
15	0	0.00	0.00	-0.60	0.00	0.00	-0.60	0.00	0.0
16	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
17	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
18	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
19	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
20	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
21	0	0.00	0.00	-0.60	0.00	0.00	-0.60	0.00	0.0
139	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
142	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
143	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
144	0	0.00	0.00	-0.60	0.00	0.00	-0.60	0.00	0.0
145	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
146	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
147	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
148	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
149	0	0.00	0.00	-1.20	0.00	0.00	-1.20	0.00	0.0
150	0	0.00	0.00	-0.60	0.00	0.00	-0.60	0.00	0.0

CARICHI TERMICI/DISTRIBUITI/CONCENTRATI

CONDIZIONE DI CARICO N.ro: 4				ALIQUOTA SISMICA: 33		
IDENTIF	FORZE CONCENTRATE			MOMENTI CONCENTRATI		
Nodo3d N.ro	Fx kN*10	Fy kN*10	Fz kN*10	Mx kN*10*m	My kN*10*m	Mz kN*10*m
28	1.80	1.20	0.00	0.00	0.00	0.00
29	0.00	2.40	0.00	0.00	0.00	0.00
30	0.00	2.40	0.00	0.00	0.00	0.00
31	0.00	2.40	0.00	0.00	0.00	0.00
32	0.00	2.40	0.00	0.00	0.00	0.00
33	0.00	2.40	0.00	0.00	0.00	0.00
34	0.60	1.20	0.00	0.00	0.00	0.00
35	3.60	0.00	0.00	0.00	0.00	0.00
40	1.20	0.00	0.00	0.00	0.00	0.00
41	3.60	0.00	0.00	0.00	0.00	0.00
47	1.20	0.00	0.00	0.00	0.00	0.00
48	1.20	0.60	0.00	0.00	0.00	0.00
49	0.00	1.20	0.00	0.00	0.00	0.00
50	0.00	1.20	0.00	0.00	0.00	0.00
51	0.00	1.20	0.00	0.00	0.00	0.00
52	0.00	1.20	0.00	0.00	0.00	0.00
53	0.00	1.20	0.00	0.00	0.00	0.00
54	0.60	0.60	0.00	0.00	0.00	0.00

COMBINAZIONI CARICHI - S.L.V. - A1

DESCRIZIONI	1	2	3	4	5	6	7	8	9	10
PESO PROPRIO	1.30	1.30	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SOVRACCARICO PERMAN.	1.50	1.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
neve	1.50	1.05	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
vento	1.05	1.50	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
permanenti compiutam	1.50	1.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
accidentale scuole	1.05	1.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
SISMA DIREZ. GRD 0	0.00	0.00	1.00	1.00	-1.00	-1.00	0.30	0.30	-0.30	-0.30
SISMA DIREZ. GRD 90	0.00	0.00	0.30	-0.30	0.30	-0.30	1.00	-1.00	1.00	-1.00

COMBINAZIONI CARICHI - S.L.V. - A2

DESCRIZIONI	1	2	3	4	5	6	7	8	9	10
PESO PROPRIO	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SOVRACCARICO PERMAN.	1.30	1.30	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
neve	1.30	0.91	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
vento	0.91	1.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
permanenti compiutam	1.30	1.30	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
accidentale scuole	0.91	1.30	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
SISMA DIREZ. GRD 0	0.00	0.00	1.00	1.00	-1.00	-1.00	0.30	0.30	-0.30	-0.30
SISMA DIREZ. GRD 90	0.00	0.00	0.30	-0.30	0.30	-0.30	1.00	-1.00	1.00	-1.00

COMBINAZIONI RARE - S.L.E.

DESCRIZIONI	1	2
PESO PROPRIO	1.00	1.00
SOVRACCARICO PERMAN.	1.00	1.00
neve	1.00	0.70
vento	0.70	1.00
permanenti compiutam	1.00	1.00

COMBINAZIONI RARE - S.L.E.

DESCRIZIONI	1	2
accidentale scuole	0.70	1.00
SISMA DIREZ. GRD 0	0.00	0.00
SISMA DIREZ. GRD 90	0.00	0.00

COMBINAZIONI FREQUENTI - S.L.E.

DESCRIZIONI	1	2
PESO PROPRIO	1.00	1.00
SOVRACCARICO PERMAN.	1.00	1.00
neve	0.50	0.20
vento	0.20	0.50
permanenti compiutam	1.00	1.00
accidentale scuole	0.60	0.70
SISMA DIREZ. GRD 0	0.00	0.00
SISMA DIREZ. GRD 90	0.00	0.00

COMBINAZIONI PERMANENTI - S.L.E.

DESCRIZIONI	1
PESO PROPRIO	1.00
SOVRACCARICO PERMAN.	1.00
neve	0.20
vento	0.20
permanenti compiutam	1.00
accidentale scuole	0.60
SISMA DIREZ. GRD 0	0.00
SISMA DIREZ. GRD 90	0.00

FREQUENZE E MASSE ECCITATE

										SISMA N.ro 1		SISMA N.ro 2		SISMA N.ro 3	
									Eccitat Totale	Massa 68.71 68.73	Perc. .99	Massa 68.25 68.73	Perc. .99	Massa	Perc.
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	20.297	0.30956	5.0	0.174	0.213	0.391	0.391		0.589	36.74	0.53	0.00	0.00		
2	24.942	0.25192	5.0	0.174	0.213	0.391	0.391		0.589	5.37	0.08	0.00	0.00		
3	26.841	0.23409	5.0	0.174	0.213	0.391	0.391		0.589	21.28	0.31	0.00	0.00		
4	30.200	0.20806	5.0	0.174	0.213	0.391	0.391		0.589	5.29	0.08	0.00	0.00		
5	34.932	0.17987	5.0	0.174	0.213	0.391	0.391		0.589	0.00	0.00	0.92	0.01		
6	34.932	0.17987	5.0	0.174	0.213	0.391	0.391		0.589	0.00	0.00	0.00	0.00		
7	39.695	0.15829	5.0	0.174	0.213	0.391	0.391		0.589	0.00	0.00	7.93	0.12		
8	40.057	0.15686	5.0	0.174	0.213	0.391	0.391		0.589	0.00	0.00	0.00	0.00		
9	40.059	0.15685	5.0	0.174	0.213	0.391	0.391		0.589	0.00	0.00	24.26	0.35		
10	44.312	0.14180	5.0	0.174	0.213	0.391	0.391		0.581	0.00	0.00	0.00	0.00		
11	44.377	0.14159	5.0	0.174	0.213	0.391	0.391		0.580	0.00	0.00	17.94	0.26		
12	48.807	0.12873	5.0	0.174	0.213	0.373	0.373		0.550	0.00	0.00	16.93	0.25		
13	48.823	0.12869	5.0	0.174	0.213	0.373	0.373		0.550	0.00	0.00	0.00	0.00		
14	48.888	0.12852	5.0	0.174	0.213	0.373	0.373		0.549	0.00	0.00	0.11	0.00		
15	109.828	0.05721	5.0	0.116	0.141	0.274	0.274		0.381	0.01	0.00	0.00	0.00		
16	111.560	0.05632	5.0	0.116	0.140	0.273	0.273		0.379	0.00	0.00	0.00	0.00		
17	112.599	0.05580	5.0	0.115	0.140	0.272	0.272		0.378	0.00	0.00	0.00	0.00		
18	113.185	0.05551	5.0	0.115	0.140	0.272	0.272		0.377	0.00	0.00	0.06	0.00		
19	113.431	0.05539	5.0	0.115	0.139	0.272	0.272		0.377	0.01	0.00	0.00	0.00		
20	116.691	0.05384	5.0	0.114	0.138	0.270	0.270		0.373	0.00	0.00	0.00	0.00		
21	118.198	0.05316	5.0	0.113	0.137	0.269	0.269		0.372	0.00	0.00	0.01	0.00		
22	118.840	0.05287	5.0	0.113	0.137	0.268	0.268		0.371	0.00	0.00	0.05	0.00		
23	119.379	0.05263	5.0	0.113	0.137	0.268	0.268		0.370	0.01	0.00	0.00	0.00		
24	120.011	0.05235	5.0	0.112	0.136	0.268	0.268		0.370	0.00	0.00	0.04	0.00		

CARATT. PESO PROPRIO: ASTE

Tratto	Filo In.	Alt. (m)	Tx (kN*10)	Ty (kN*10)	N (kN*10)	Mx kN*m*10	My kN*m*10	Mt kN*m*10	Filo N.ro	Alt. (m)	Tx (kN*10)	Ty (kN*10)	N (kN*10)	Mx kN*m*10	My kN*m*10	Mt kN*m*10
1	0.00	0.00	-0.81	0.00	0.01	0.00	0.02	2	0.00	0.00	-0.74	0.00	-0.19	0.00	0.00	
1	0.00	0.00	-0.83	0.00	0.06	0.00	-0.04	8	0.00	0.00	-0.76	0.00	-0.22	0.00	0.01	
2	0.00	0.00	-0.32	0.00	-0.02	0.00	0.00	9	0.00	0.00	-0.61	0.00	-0.52	0.00	0.00	

43	0.00	0.00	0.25	0.00	-0.38	0.00	-0.05	10	0.00	0.00	-0.77	0.00	-0.54	0.00	0.05
44	0.00	0.00	0.15	0.00	-0.75	0.00	0.00	17	0.00	0.00	-0.55	0.00	-0.77	0.00	0.00
45	0.00	0.00	0.25	0.00	-0.38	0.00	0.05	11	0.00	0.00	-0.77	0.00	-0.54	0.00	-0.05
6	0.00	0.00	-0.32	0.00	-0.02	0.00	0.00	12	0.00	0.00	-0.61	0.00	-0.52	0.00	0.00
7	0.00	0.00	-0.83	0.00	0.06	0.00	0.04	13	0.00	0.00	-0.76	0.00	-0.22	0.00	-0.01
8	0.00	0.00	-0.63	0.00	0.32	0.00	-0.01	14	0.00	0.00	-0.68	0.00	-0.61	0.00	-0.02
9	0.00	0.00	-0.46	0.00	0.45	0.00	0.00	15	0.00	0.00	0.02	0.00	0.16	0.00	0.00
10	0.00	0.00	-0.64	0.00	0.60	0.00	0.01	16	0.00	0.00	-0.45	0.00	-0.40	0.00	0.01
11	0.00	0.00	-0.64	0.00	0.60	0.00	-0.01	18	0.00	0.00	-0.45	0.00	-0.40	0.00	-0.01
12	0.00	0.00	-0.46	0.00	0.45	0.00	0.00	19	0.00	0.00	0.02	0.00	0.16	0.00	0.00
13	0.00	0.00	-0.63	0.00	0.32	0.00	0.01	20	0.00	0.00	-0.68	0.00	-0.61	0.00	0.02
14	0.00	0.00	-0.83	0.00	0.56	0.00	-0.02	46	0.00	0.00	0.18	0.00	0.90	0.00	-0.01
15	0.00	0.00	-0.08	0.00	-0.18	0.00	0.00	47	0.00	0.00	0.20	0.00	0.63	0.00	0.00
16	0.00	0.00	-0.58	0.00	0.44	0.00	0.01	48	0.00	0.00	0.29	0.00	0.77	0.00	0.00
17	0.00	0.00	-0.80	0.00	0.82	0.00	0.00	49	0.00	0.00	0.34	0.00	0.76	0.00	0.00
18	0.00	0.00	-0.58	0.00	0.44	0.00	-0.01	50	0.00	0.00	0.29	0.00	0.77	0.00	0.00
19	0.00	0.00	-0.08	0.00	-0.18	0.00	0.00	51	0.00	0.00	0.20	0.00	0.63	0.00	0.00
20	0.00	0.00	-0.83	0.00	0.56	0.00	0.02	52	0.00	0.00	0.18	0.00	0.90	0.00	0.01
2	0.00	0.00	-0.54	0.00	0.23	0.00	0.00	3	0.00	0.00	-0.64	0.00	-0.42	0.00	0.00
3	0.00	0.00	-0.60	0.00	0.37	0.00	0.00	4	0.00	0.00	-0.58	0.00	-0.35	0.00	0.02
4	0.00	0.00	-0.58	0.00	0.35	0.00	0.02	5	0.00	0.00	-0.60	0.00	-0.37	0.00	0.00
5	0.00	0.00	-0.64	0.00	0.42	0.00	0.00	6	0.00	0.00	-0.54	0.00	-0.23	0.00	0.00
6	0.00	0.00	-0.74	0.00	0.19	0.00	0.00	7	0.00	0.00	-0.81	0.00	-0.01	0.00	0.02
8	0.00	0.00	-0.43	0.00	-0.03	0.00	0.00	9	0.00	0.00	-0.58	0.00	-0.32	0.00	0.00
9	0.00	0.00	-0.55	0.00	0.32	0.00	0.00	10	0.00	0.00	-0.40	0.00	-0.02	0.00	0.00
11	0.00	0.00	-0.40	0.00	0.02	0.00	0.00	12	0.00	0.00	-0.55	0.00	-0.32	0.00	0.00
12	0.00	0.00	-0.58	0.00	0.32	0.00	0.00	13	0.00	0.00	-0.43	0.00	0.03	0.00	0.00
14	0.00	0.00	-0.38	0.00	0.04	0.00	0.00	15	0.00	0.00	-0.02	0.00	0.37	0.00	0.00
15	0.00	0.00	0.08	0.00	-0.36	0.00	0.00	16	0.00	0.00	-0.45	0.00	-0.44	0.00	0.00
16	0.00	0.00	-0.43	0.00	0.41	0.00	0.00	17	0.00	0.00	-0.37	0.00	-0.25	0.00	0.00
17	0.00	0.00	-0.37	0.00	0.25	0.00	0.00	18	0.00	0.00	-0.43	0.00	-0.41	0.00	0.00
18	0.00	0.00	-0.45	0.00	0.44	0.00	0.00	19	0.00	0.00	0.08	0.00	0.36	0.00	0.00
19	0.00	0.00	-0.02	0.00	-0.37	0.00	0.00	20	0.00	0.00	-0.38	0.00	-0.04	0.00	0.00
21	0.00	0.00	-0.72	0.00	-0.01	0.00	-0.01	22	0.00	0.00	-0.80	0.00	-0.35	0.00	-0.01
22	0.00	0.00	-0.63	0.00	0.38	0.00	-0.01	23	0.00	0.00	-0.58	0.00	-0.33	0.00	-0.01
23	0.00	0.00	-0.57	0.00	0.34	0.00	-0.01	24	0.00	0.00	-0.55	0.00	-0.32	0.00	-0.01
24	0.00	0.00	-0.55	0.00	0.32	0.00	-0.01	25	0.00	0.00	-0.57	0.00	-0.34	0.00	-0.01
25	0.00	0.00	-0.58	0.00	0.33	0.00	-0.01	26	0.00	0.00	-0.63	0.00	-0.38	0.00	-0.01
26	0.00	0.00	-0.80	0.00	0.35	0.00	-0.01	27	0.00	0.00	-0.72	0.00	0.01	0.00	-0.01
1	3.90	-0.02	0.07	0.33	0.00	0.01	0.00	1	0.00	0.02	-0.07	-1.64	-0.25	-0.10	0.00
2	3.90	0.00	0.02	0.29	0.00	0.00	0.00	2	0.00	0.00	-0.02	-1.60	-0.06	-0.01	0.00
3	3.90	0.00	0.03	0.43	0.00	0.00	0.00	3	0.00	0.00	-0.03	-1.75	-0.09	0.00	0.00
4	3.90	0.00	0.01	0.57	0.00	0.00	0.00	4	0.00	0.00	-0.01	-1.88	-0.05	0.00	0.00
5	3.90	0.00	0.03	0.43	0.00	0.00	0.00	5	0.00	0.00	-0.03	-1.75	-0.09	0.00	0.00
6	3.90	0.00	0.02	0.29	0.00	0.00	0.00	6	0.00	0.00	-0.02	-1.60	-0.06	0.01	0.00
7	3.90	0.02	0.07	0.33	0.00	-0.01	0.00	7	0.00	-0.02	-0.07	-1.64	-0.25	0.10	0.00
8	4.15	-0.01	0.02	0.41	0.00	0.01	0.00	8	0.00	0.01	-0.02	-1.82	-0.07	-0.04	0.00
9	4.15	0.00	-0.03	0.78	0.00	0.00	0.00	9	0.00	0.00	0.03	-2.19	0.12	0.00	0.00
10	4.15	0.01	0.01	0.41	0.00	0.00	0.00	10	0.00	-0.01	-0.01	-1.82	-0.03	0.03	0.00
11	4.15	-0.01	0.01	0.41	0.00	0.00	0.00	11	0.00	0.01	-0.01	-1.82	-0.03	-0.03	0.00
12	4.15	0.00	-0.03	0.78	0.00	0.00	0.00	12	0.00	0.00	0.03	-2.19	0.12	0.00	0.00
13	4.15	0.01	0.02	0.41	0.00	-0.01	0.00	13	0.00	-0.01	-0.02	-1.82	-0.07	0.04	0.00
14	4.15	-0.01	0.00	0.48	0.00	0.01	0.00	14	0.00	0.01	0.00	-1.89	0.01	-0.06	0.00
16	4.15	0.00	0.02	0.51	0.00	0.00	0.00	16	0.00	0.00	-0.02	-1.91	-0.06	0.02	0.00
17	4.15	0.00	0.03	0.68	0.00	0.00	0.00	17	0.00	0.00	-0.03	-2.09	-0.12	0.00	0.00
18	4.15	0.00	0.02	0.51	0.00	0.00	0.00	18	0.00	0.00	-0.02	-1.91	-0.06	-0.02	0.00
20	4.15	0.01	0.00	0.48	0.00	-0.01	0.00	20	0.00	-0.01	0.00	-1.89	0.01	0.06	0.00
21	3.90	-0.02	-0.09	0.37	0.00	0.01	0.00	21	0.00	0.02	0.09	-1.68	0.31	-0.07	0.00
22	3.90	0.00	0.01	0.59	0.00	0.00	0.00	22	0.00	0.00	-0.01	-1.90	-0.04	-0.01	0.00
23	3.90	0.00	-0.05	0.46	0.00	0.00	0.00	23	0.00	0.00	0.05	-1.77	0.17	0.00	0.00
24	3.90	0.00	-0.05	0.42	0.00	0.00	0.00	24	0.00	0.00	0.05	-1.73	0.16	0.00	0.00
25	3.90	0.00	-0.05	0.46	0.00	0.00	0.00	25	0.00	0.00	0.05	-1.77	0.17	0.00	0.00
26	3.90	0.00	0.01	0.59	0.00	0.00	0.00	26	0.00	0.00	-0.01	-1.90	-0.04	0.01	0.00
27	3.90	0.02	-0.09	0.37	0.00	-0.01	0.00	27	0.00	-0.02	0.09	-1.68	0.31	0.07	0.00

CARATT. PESO PROPRIO: ASTE

Tratto	Filo In.	Alt. (m)	Tx (kN*10)	Ty (kN*10)	N (kN*10)	Mx kN*m*10	My kN*m*10	Mt kN*m*10	Filo N.ro	Alt. (m)	Tx (kN*10)	Ty (kN*10)	N (kN*10)	Mx kN*m*10	My kN*m*10	Mt kN*m*10
1	3.90	0.00	0.06	-0.07	-0.03	0.00	0.00	8	4.15	0.00	0.10	0.08	0.11	0.00	0.00
8	4.15	0.00	0.11	-0.09	-0.11	0.00	0.00	14	4.15	0.00	0.14	0.09	0.17	0.00	0.00
14	4.15	0.00	0.15	-0.09	-0.17	0.00	0.00	21	3.90	0.00	0.10	0.08	0.02	0.00	0.00
21	3.90	0.00	0.08	0.00	-0.06	0.00	0.00	28	3.90	0.00	-0.04	0.00	0.00	0.00	0.00
35	3.90	0.00	-0.04	0.00	0.00	0.00	0.00	1	3.90	0.00	0.08	0.00	0.06	0.00	0.00
22	3.90	0.00	0.12	0.00	-0.11	0.00	0.00	29	3.90	0.00	-0.08	0.00	0.00	0.00	0.00
23	3.90	0.00	0.12	0.00	-0.10	0.00	0.00	30	3.90	0.00	-0.08	0.00	0.00	0.00	0.00
24	3.90	0.00	0.12	0.00	-0.10	0.00	0.00	31	3.90	0.00	-0.08	0.00	0.00	0.00	0.00
25	3.90	0.00	0.12	0.00	-0.10	0.00	0.00	32	3.90	0.00	-0.08	0.00	0.00	0.00	0.00
26	3.90	0.00	0.12	0.00	-0.11	0.00	0.00	33	3.90	0.00	-0.08	0.00	0.00	0.00	0.00
27	3.90	0.00	0.08	0.00	-0.06	0.00	0.00	34	3.90	0.00	-0.04	0.00	0.00	0.00	0.00
15	4.15	0.00	0.01	0.01	0.56	0.00	0.00	22	3.90	0.00	0.24	-0.02	0.12	0.00	0.00
16	4.15	0.00	0.14	-0.06	-0.16	0.00	0.00	23	3.90	0.00	0.11	0.04	0.08	0.00	0.00
17	4.15	0.00	0.18	-0.05	-0.41	0.00	0.00	24	3.90	0.00	0.07	0.04	0.08	0.00	0.00
18	4.15	0.00	0.14	-0.06	-0.16	0.00	0.00	25	3.90	0.00	0.11	0.04	0.08	0.00	0.00
19	4.15	0.00	0.01	0.01	0.56	0.00	0.00	26	3.90	0.00	0.24	-0.02	0.12	0.00	0.00
20	4.15	0.00	0.15	-0.09	-0.17	0.00	0.00	27	3.90	0.00	0.10	0.08	0.02	0.00	0.00
9	4.15	0.00	0.33	0.01	-0.64	0.00	0.00	15	4.15	0.00	-0.08	-0.01	-0.56	0.00	0.00
10	4.15	0.00	0.11	-0.03	-0.07	0.00	0.00	16	4.15	0.00	0.14	0.03	0.16	0.00	0.00
11	4.15	0.00	0.11	-0.03	-0.07	0.00	0.00	18	4.15	0.00	0.14	0.03	0.16	0.00	0.00
12	4.15	0.00	0.33	0.01	-0.64	0.00	0.00	19	4.15	0.00	-0.08	-0.01	-0.56	0.00	0.00
13	4.15	0.00	0.11	-0.09	-0.11	0.00	0.00	20	4.15	0.00	0.14	0.09	0.17	0.00	0.00
2	3.90	0.00	-0.06	-0.02	-0.09	0.00	0.00	9	4.15	0.00	0.22	0.03	0.63	0.00	0.00
3	3.90	0.00	0.09	-0.02	-0.09	0.00	0.00	10	4.15	0.00	0.08	0.03	0.07	0.00	0.00
5	3.90	0.00	0.09	-0.02	-0.09	0.00	0.00	11	4.15	0.00	0.08	0.03	0.07	0.00	0.00
6	3.90	0.00	-0.06	-0.02	-0.09	0.00	0.00	12	4.15	0.00	0.22	0.03	0.63	0.00	0.00
7	3.90	0.00	0.06	-0.07	-0.03	0.00	0.00	13	4.15	0.00	0.10	0.08	0.11	0.00	0.00
36	3.90	0.00	-0.08	0.00	0.00	0.00	0.00	2	3.90	0.00	0.12	0.00	0.10	0.00	0.00
37	3.90	0.00	-0.08	0.00	0.00	0.00	0.00	3	3.90	0.00	0.12	0.00	0.10	0.00	0.00
38	3.90	0.00	-0.08	0.00	0.00	0.00	0.00	4	3.90	0.00	0.12	0.00	0.11	0.00	0.00
39	3.90	0.00	-0.08	0.00	0.00	0.00	0.00	5	3.90	0.00	0.12	0.00	0.10	0.00	0.00
40	3.90	0.00	-0.08	0.00	0.00	0.00	0.00	6	3.90	0.00	0.12	0.00	0.10	0.00	0.00
41	3.90	0.00	-0.04	0.00	0.00	0.00	0.00	7	3.90	0.00	0.08	0.00	0.06	0.00	0.00
4	3.90	0.00	0.22	0.00	-0.10	0.00	0.00	42	4.15	0.00	-0.06	0.01	-0.43	0.00	0.00
21	3.90	0.00	0.04	-0.02	0.00	0.00	0.00	22	3.90	0.00	0.04	0.02	0.00	0.00	0.00
1	3.90	0.00	0.04	-0.02	0.00	0.00	0.00	2	3.90	0.00	0.04	0.02	0.00	0.00	0.00
2	3.90	0.00	0.04	-0.02	0.00	0.00	0.00	3	3.90	0.00	0.04	0.02	0.00	0.00	0.00
3	3.90	0.00	0.04	-0.02	0.00	0.00	0.00	4	3.90	0.00	0.04	0.02	0.00	0.00	0.00
4	3.90	0.00	0.04	-0.02	0.00	0.00	0.00	5	3.90	0.00	0.04	0.02	0.00	0.00	0.00
5	3.90	0.00	0.04	-0.02	0.00	0.00	0.00	6	3.90	0.00	0.04	0.02	0.00	0.00	0.00

6	3.90	0.00	0.04	-0.02	0.00	0.00	0.00	7	3.90	0.00	0.04	0.02	0.00	0.00	0.00
8	4.15	0.00	0.04	-0.01	0.00	0.00	0.00	9	4.15	0.00	0.04	0.01	0.00	0.00	0.00
9	4.15	0.00	0.04	-0.01	0.00	0.00	0.00	10	4.15	0.00	0.04	0.01	0.00	0.00	0.00
11	4.15	0.00	0.04	-0.01	0.00	0.00	0.00	12	4.15	0.00	0.04	0.01	0.00	0.00	0.00
12	4.15	0.00	0.04	-0.01	0.00	0.00	0.00	13	4.15	0.00	0.04	0.01	0.00	0.00	0.00
14	4.15	0.00	0.04	-0.01	0.00	0.00	0.00	15	4.15	0.00	0.04	0.01	0.00	0.00	0.00
15	4.15	0.00	0.04	-0.01	0.00	0.00	0.00	16	4.15	0.00	0.04	0.01	0.00	0.00	0.00
16	4.15	0.00	0.04	-0.01	0.00	0.00	0.00	17	4.15	0.00	0.04	0.01	0.00	0.00	0.00
17	4.15	0.00	0.04	-0.01	0.00	0.00	0.00	18	4.15	0.00	0.04	0.01	0.00	0.00	0.00
18	4.15	0.00	0.04	-0.01	0.00	0.00	0.00	19	4.15	0.00	0.04	0.01	0.00	0.00	0.00
19	4.15	0.00	0.04	-0.01	0.00	0.00	0.00	20	4.15	0.00	0.04	0.01	0.00	0.00	0.00
22	3.90	0.00	0.04	-0.02	0.00	0.00	0.00	23	3.90	0.00	0.04	0.02	0.00	0.00	0.00
23	3.90	0.00	0.04	-0.02	0.00	0.00	0.00	24	3.90	0.00	0.04	0.02	0.00	0.00	0.00
24	3.90	0.00	0.04	-0.02	0.00	0.00	0.00	25	3.90	0.00	0.04	0.02	0.00	0.00	0.00
25	3.90	0.00	0.04	-0.02	0.00	0.00	0.00	26	3.90	0.00	0.04	0.02	0.00	0.00	0.00
26	3.90	0.00	0.04	-0.02	0.00	0.00	0.00	27	3.90	0.00	0.04	0.02	0.00	0.00	0.00
35	3.90	0.00	0.04	0.00	0.00	0.00	0.00	36	3.90	0.00	0.04	0.00	0.00	0.00	0.00
36	3.90	0.00	0.04	0.00	0.00	0.00	0.00	37	3.90	0.00	0.04	0.00	0.00	0.00	0.00
37	3.90	0.00	0.04	0.00	0.00	0.00	0.00	38	3.90	0.00	0.04	0.00	0.00	0.00	0.00
38	3.90	0.00	0.04	0.00	0.00	0.00	0.00	39	3.90	0.00	0.04	0.00	0.00	0.00	0.00
39	3.90	0.00	0.04	0.00	0.00	0.00	0.00	40	3.90	0.00	0.04	0.00	0.00	0.00	0.00
40	3.90	0.00	0.04	0.00	0.00	0.00	0.00	41	3.90	0.00	0.04	0.00	0.00	0.00	0.00
28	3.90	0.00	0.04	0.00	0.00	0.00	0.00	29	3.90	0.00	0.04	0.00	0.00	0.00	0.00
29	3.90	0.00	0.04	0.00	0.00	0.00	0.00	30	3.90	0.00	0.04	0.00	0.00	0.00	0.00
30	3.90	0.00	0.04	0.00	0.00	0.00	0.00	31	3.90	0.00	0.04	0.00	0.00	0.00	0.00
31	3.90	0.00	0.04	0.00	0.00	0.00	0.00	32	3.90	0.00	0.04	0.00	0.00	0.00	0.00
32	3.90	0.00	0.04	0.00	0.00	0.00	0.00	33	3.90	0.00	0.04	0.00	0.00	0.00	0.00
33	3.90	0.00	0.04	0.00	0.00	0.00	0.00	34	3.90	0.00	0.04	0.00	0.00	0.00	0.00
42	4.15	0.00	-0.02	-0.01	0.43	0.00	0.00	17	4.15	0.00	0.27	0.01	0.42	0.00	0.00
10	4.15	0.00	0.04	0.00	0.00	0.00	0.00	42	4.15	0.00	0.04	0.00	0.00	0.00	0.00
42	4.15	0.00	0.04	0.00	0.00	0.00	0.00	11	4.15	0.00	0.04	0.00	0.00	0.00	0.00
4	0.00	0.00	-0.71	0.00	-0.09	0.00	0.00	44	0.00	0.00	0.51	0.00	0.69	0.00	0.00
43	0.00	0.00	-0.46	0.00	0.11	0.00	0.00	44	0.00	0.00	-0.33	0.00	-0.04	0.00	0.01
44	0.00	0.00	-0.33	0.00	0.04	0.00	0.01	45	0.00	0.00	-0.46	0.00	-0.11	0.00	0.00
3	0.00	0.00	-0.51	0.00	-0.04	0.00	0.05	43	0.00	0.00	0.20	0.00	0.39	0.00	-0.06
5	0.00	0.00	-0.51	0.00	-0.04	0.00	-0.05	45	0.00	0.00	0.20	0.00	0.39	0.00	0.06
46	0.00	0.00	0.17	0.00	-0.91	0.00	0.00	21	0.00	0.00	-0.96	0.00	-0.08	0.00	-0.02
47	0.00	0.00	0.15	0.00	-0.65	0.00	0.00	22	0.00	0.00	-0.48	0.00	0.14	0.00	0.00
48	0.00	0.00	0.28	0.00	-0.78	0.00	0.01	23	0.00	0.00	-0.63	0.00	-0.03	0.00	-0.01
49	0.00	0.00	0.26	0.00	-0.78	0.00	0.00	24	0.00	0.00	-0.62	0.00	-0.02	0.00	0.00
50	0.00	0.00	0.28	0.00	-0.78	0.00	-0.01	25	0.00	0.00	-0.63	0.00	-0.03	0.00	0.01
51	0.00	0.00	0.15	0.00	-0.65	0.00	0.00	26	0.00	0.00	-0.48	0.00	0.14	0.00	0.00
52	0.00	0.00	0.17	0.00	-0.91	0.00	0.00	27	0.00	0.00	-0.96	0.00	-0.08	0.00	0.02
46	0.00	0.00	-0.35	0.00	-0.04	0.00	-0.01	47	0.00	0.00	-0.23	0.00	0.08	0.00	-0.01
47	0.00	0.00	-0.12	0.00	-0.06	0.00	-0.01	48	0.00	0.00	-0.30	0.00	-0.21	0.00	0.00
48	0.00	0.00	-0.28	0.00	0.21	0.00	0.00	49	0.00	0.00	-0.30	0.00	-0.22	0.00	0.00
49	0.00	0.00	-0.30	0.00	0.22	0.00	0.00	50	0.00	0.00	-0.28	0.00	-0.21	0.00	0.00
50	0.00	0.00	-0.30	0.00	0.21	0.00	0.00	51	0.00	0.00	-0.12	0.00	0.06	0.00	-0.01
51	0.00	0.00	-0.23	0.00	-0.08	0.00	-0.01	52	0.00	0.00	-0.35	0.00	0.04	0.00	-0.01

CARATT. SOVRACCARICO PERMAN.: ASTE

Tratto	Filo In.	Alt. (m)	Tx (kN*10)	Ty (kN*10)	N (kN*10)	Mx kN*m*10	My kN*m*10	Mt kN*m*10	Filo N.ro	Alt. (m)	Tx (kN*10)	Ty (kN*10)	N (kN*10)	Mx kN*m*10	My kN*m*10	Mt kN*m*10
1	0.00	0.00	-0.21	0.00	-0.18	0.00	0.00	2	0.00	0.00	-1.49	0.00	-1.30	0.00	-0.02
1	0.00	0.00	-0.31	0.00	-0.22	0.00	0.04	8	0.00	0.00	-0.93	0.00	-0.28	0.00	0.00
2	0.00	0.00	1.62	0.00	-0.26	0.00	0.05	9	0.00	0.00	0.65	0.00	-1.16	0.00	-0.02
43	0.00	0.00	1.20	0.00	0.05	0.00	-0.09	10	0.00	0.00	0.18	0.00	-0.95	0.00	0.07
44	0.00	0.00	0.72	0.00	-0.80	0.00	0.00	17	0.00	0.00	-0.66	0.00	-0.92	0.00	0.00
45	0.00	0.00	1.20	0.00	0.05	0.00	0.09	11	0.00	0.00	0.18	0.00	-0.95	0.00	-0.07
6	0.00	0.00	1.62	0.00	-0.26	0.00	-0.05	12	0.00	0.00	0.65	0.00	-1.16	0.00	0.02
7	0.00	0.00	-0.31	0.00	-0.22	0.00	-0.04	13	0.00	0.00	-0.93	0.00	-0.28	0.00	0.00
8	0.00	0.00	0.41	0.00	0.31	0.00	0.03	14	0.00	0.00	-0.06	0.00	-0.61	0.00	-0.04
9	0.00	0.00	-0.52	0.00	0.01	0.00	0.01	15	0.00	0.00	-0.12	0.00	0.03	0.00	0.00
10	0.00	0.00	-0.92	0.00	0.67	0.00	-0.01	16	0.00	0.00	-0.85	0.00	-0.67	0.00	0.01
11	0.00	0.00	-0.92	0.00	0.67	0.00	0.01	18	0.00	0.00	-0.85	0.00	-0.67	0.00	-0.01
12	0.00	0.00	-0.52	0.00	0.01	0.00	-0.01	19	0.00	0.00	-0.12	0.00	0.03	0.00	0.00
13	0.00	0.00	0.41	0.00	0.31	0.00	-0.03	20	0.00	0.00	-0.06	0.00	-0.61	0.00	0.04
14	0.00	0.00	-0.76	0.00	0.62	0.00	-0.03	46	0.00	0.00	0.10	0.00	0.43	0.00	0.01
15	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	47	0.00	0.00	0.21	0.00	0.29	0.00	0.00
16	0.00	0.00	-0.47	0.00	0.71	0.00	0.01	48	0.00	0.00	0.20	0.00	0.16	0.00	-0.01
17	0.00	0.00	-1.19	0.00	1.45	0.00	0.00	49	0.00	0.00	0.08	0.00	0.19	0.00	0.00
18	0.00	0.00	-0.47	0.00	0.71	0.00	-0.01	50	0.00	0.00	0.20	0.00	0.16	0.00	0.01
19	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	51	0.00	0.00	0.21	0.00	0.29	0.00	0.00
20	0.00	0.00	-0.76	0.00	0.62	0.00	0.03	52	0.00	0.00	0.10	0.00	0.43	0.00	-0.01
2	0.00	0.00	-0.11	0.00	1.36	0.00	-0.02	3	0.00	0.00	0.66	0.00	-0.15	0.00	0.00
3	0.00	0.00	-0.91	0.00	0.03	0.00	-0.01	4	0.00	0.00	-0.67	0.00	0.04	0.00	0.01
4	0.00	0.00	-0.67	0.00	-0.04	0.00	0.01	5	0.00	0.00	-0.91	0.00	-0.03	0.00	-0.01
5	0.00	0.00	0.66	0.00	0.15	0.00	0.00	6	0.00	0.00	-0.11	0.00	-1.36	0.00	-0.02
6	0.00	0.00	-1.49	0.00	1.30	0.00	-0.02	7	0.00	0.00	-0.21	0.00	0.18	0.00	0.00
8	0.00	0.00	-0.45	0.00	-0.14	0.00	-0.03	9	0.00	0.00	-1.76	0.00	-1.80	0.00	0.03
9	0.00	0.00	-1.85	0.00	1.78	0.00	0.02	10	0.00	0.00	-0.73	0.00	0.05	0.00	0.00
11	0.00	0.00	-0.73	0.00	-0.05	0.00	0.00	12	0.00	0.00	-1.85	0.00	-1.78	0.00	0.02
12	0.00	0.00	-1.76	0.00	1.80	0.00	0.03	13	0.00	0.00	-0.45	0.00	0.14	0.00	-0.03
14	0.00	0.00	-0.49	0.00	0.09	0.00	0.01	15	0.00	0.00	0.01	0.00	0.46	0.00	0.00
15	0.00	0.00	0.13	0.00	-0.44	0.00	0.00	16	0.00	0.00	-0.36	0.00	-0.28	0.00	0.00
16	0.00	0.00	-0.30	0.00	0.23	0.00	0.00	17	0.00	0.00	-0.53	0.00	-0.52	0.00	0.00
17	0.00	0.00	-0.53	0.00	0.52	0.00	0.00	18	0.00	0.00	-0.30	0.00	-0.23	0.00	0.00
18	0.00	0.00	-0.36	0.00	0.28	0.00	0.00	19	0.00	0.00	0.13	0.00	0.44	0.00	0.00
19	0.00	0.00	0.01	0.00	-0.46	0.00	0.00	20	0.00	0.00	-0.49	0.00	-0.09	0.00	0.01
21	0.00	0.00	-0.56	0.00	-0.07	0.00	0.01	22	0.00	0.00	-1.16	0.00	-0.96	0.00	-0.02
22	0.00	0.00	-1.07	0.00	0.98	0.00	-0.02	23	0.00	0.00	-0.53	0.00	-0.19	0.00	0.01
23	0.00	0.00	-0.56	0.00	0.23	0.00	0.00	24	0.00	0.00	-0.51	0.00	-0.21	0.00	0.01
24	0.00	0.00	-0.51	0.00	0.21	0.00	0.01	25	0.00	0.00	-0.56	0.00	-0.23	0.00	0.00
25	0.00	0.00	-0.53	0.00	0.19	0.00	0.01	26	0.00	0.00	-1.07	0.00	-0.98	0.00	-0.02
26	0.00	0.00	-1.16	0.00	0.96	0.00	-0.02	27	0.00	0.00	-0.56	0.00	0.07	0.00	0.01
1	3.90	0.03	-0.04	0.52	0.00	-0.01	0.00	1	0.00	-0.03	0.04	-0.52	0.14	0.11	0.00
2	3.90	0.03	-0.18	-0.02	0.00	-0.01	0.00	2	0.00	-0.03	0.18	0.02	0.63	0.10	0.00
3	3.90	-0.03	-0.04	0.76	0.00	0.01	0.00	3	0.00	0.03	0.04	-0.76	0.15	-0.12	0.00
4	3.90	0.00	-0.29	1.52	0.00	0.00	0.00	4	0.00	0.00	0.29	-1.52	1.03	0.00	0.00
5	3.90	0.03	-0.04	0.76	0.00	-0.01	0.00	5	0.00	-0.03	0.04	-0.76	0.15	0.12	0.00
6	3.90	-0.03	-0.18	-0.02	0.00	0.01	0.00	6	0.00	0.03	0.18	0.02	0.63	-0.10	0.00
7	3.90	-0.03	-0.04	0.52	0.00	0.01	0.00	7	0.00	0.03	0.04	-0.52	0.14	-0.11	0.00
8	4.15	0.01	-0.07	0.97	0.00	0.00	0.00	8	0.00	-0.01	0.07	-0.97	0.28	0.05	0.00
9	4.15	0.00	-0.24	3.48	0.00	0.00	0.00	9	0.00	0.00	0.24	-3.48	0.91	0.01	0.00
10	4.15	0.00	0.00	1.48	0.00	0.00	0.00	10	0.00	0.00	0.00	-1.48	0.00	0.00	0.00
11	4.15	0.00	0.00	1.48	0.00	0.00	0.00	11	0.00	0.00	0.00	-1.48	0.00	0.00	0.00
12	4.15	0.00	-0.24	3.48	0.00	0.00	0.00	12	0.00	0.00	0.24	-3.48	0.91	-0.01	0.00
13	4.15	-0.01	-0.07	0.97	0.00	0.00	0.00	13	0.00	0.01	0.07	-0.97	0.28	-0.05	0.00

14	4.15	-0.02	0.05	1.31	0.00	0.01	0.00	14	0.00	0.02	-0.05	-1.31	-0.18	-0.08	0.00
16	4.15	0.01	-0.02	1.98	0.00	0.00	0.00	16	0.00	-0.01	0.02	-1.98	0.06	0.03	0.00
17	4.15	0.00	0.18	2.91	0.00	0.00	0.00	17	0.00	0.00	-0.18	-2.91	-0.66	0.00	0.00
18	4.15	-0.01	-0.02	1.98	0.00	0.00	0.00	18	0.00	0.01	0.02	-1.98	0.06	-0.03	0.00
20	4.15	0.02	0.05	1.31	0.00	-0.01	0.00	20	0.00	-0.02	-0.05	-1.31	-0.18	0.08	0.00
21	3.90	-0.01	0.07	0.69	0.00	0.00	0.00	21	0.00	0.01	-0.07	-0.69	-0.23	-0.02	0.00
22	3.90	0.00	0.42	1.76	0.00	0.00	0.00	22	0.00	0.00	-0.42	-1.76	-1.48	0.00	0.00
23	3.90	-0.01	0.06	1.02	0.00	0.00	0.00	23	0.00	0.01	-0.06	-1.02	-0.20	-0.02	0.00
24	3.90	0.00	0.12	0.80	0.00	0.00	0.00	24	0.00	0.00	-0.12	-0.80	-0.41	0.00	0.00
25	3.90	0.01	0.06	1.02	0.00	0.00	0.00	25	0.00	-0.01	-0.06	-1.02	-0.20	0.02	0.00
26	3.90	0.00	0.42	1.76	0.00	0.00	0.00	26	0.00	0.00	-0.42	-1.76	-1.48	0.00	0.00
27	3.90	0.01	0.07	0.69	0.00	0.00	0.00	27	0.00	-0.01	-0.07	-0.69	-0.23	0.02	0.00
1	3.90	0.00	0.32	0.06	-0.12	0.00	0.00	8	4.15	0.00	0.44	-0.01	0.37	0.00	0.00
8	4.15	0.00	0.53	0.11	-0.39	0.00	0.00	14	4.15	0.00	0.63	-0.11	0.69	0.00	0.00
14	4.15	0.00	0.68	0.04	-0.67	0.00	0.00	21	3.90	0.00	0.48	-0.09	0.10	0.00	0.00
21	3.90	0.00	0.20	0.00	-0.09	0.00	0.00	28	3.90	0.00	0.00	0.00	-0.01	0.00	0.00
35	3.90	0.00	0.00	0.00	0.00	0.00	0.00	1	3.90	0.00	0.20	0.00	0.10	0.00	0.00
22	3.90	0.00	0.30	0.00	-0.17	0.00	0.00	29	3.90	0.00	0.00	0.00	0.02	0.00	0.00
23	3.90	0.00	0.30	0.00	-0.14	0.00	0.00	30	3.90	0.00	0.00	0.00	-0.01	0.00	0.00
24	3.90	0.00	0.30	0.00	-0.15	0.00	0.00	31	3.90	0.00	0.00	0.00	0.00	0.00	0.00
25	3.90	0.00	0.30	0.00	-0.14	0.00	0.00	32	3.90	0.00	0.00	0.00	-0.01	0.00	0.00
26	3.90	0.00	0.30	0.00	-0.17	0.00	0.00	33	3.90	0.00	0.00	0.00	0.02	0.00	0.00
27	3.90	0.00	0.20	0.00	-0.09	0.00	0.00	34	3.90	0.00	0.00	0.00	-0.01	0.00	0.00
15	4.15	0.00	0.30	0.41	2.94	0.00	0.00	22	3.90	0.00	1.44	-0.48	0.37	0.00	0.00
16	4.15	0.00	1.03	0.01	-1.07	0.00	0.00	23	3.90	0.00	0.71	-0.09	0.15	0.00	0.00
17	4.15	0.00	1.25	0.06	-2.40	0.00	0.00	24	3.90	0.00	0.49	-0.14	0.19	0.00	0.00
18	4.15	0.00	1.03	0.01	-1.07	0.00	0.00	25	3.90	0.00	0.71	-0.09	0.15	0.00	0.00
19	4.15	0.00	0.30	0.41	2.94	0.00	0.00	26	3.90	0.00	1.44	-0.48	0.37	0.00	0.00
20	4.15	0.00	0.68	0.04	-0.67	0.00	0.00	27	3.90	0.00	0.48	-0.09	0.10	0.00	0.00
9	4.15	0.00	2.02	0.42	-3.74	0.00	0.00	15	4.15	0.00	-0.28	-0.42	-2.94	0.00	0.00
10	4.15	0.00	0.79	0.04	-0.60	0.00	0.00	16	4.15	0.00	0.95	-0.04	1.06	0.00	0.00
11	4.15	0.00	0.79	0.04	-0.60	0.00	0.00	18	4.15	0.00	0.95	-0.04	1.06	0.00	0.00
12	4.15	0.00	2.02	0.42	-3.74	0.00	0.00	19	4.15	0.00	-0.28	-0.42	-2.94	0.00	0.00
13	4.15	0.00	0.53	0.11	-0.39	0.00	0.00	20	4.15	0.00	0.63	-0.11	0.69	0.00	0.00
2	3.90	0.00	-0.33	0.16	-0.21	0.00	0.00	9	4.15	0.00	1.47	-0.08	3.63	0.00	0.00
3	3.90	0.00	0.45	0.07	-0.16	0.00	0.00	10	4.15	0.00	0.69	0.00	0.61	0.00	0.00
5	3.90	0.00	0.45	0.07	-0.16	0.00	0.00	11	4.15	0.00	0.69	0.00	0.61	0.00	0.00
6	3.90	0.00	-0.33	0.16	-0.21	0.00	0.00	12	4.15	0.00	1.47	-0.08	3.63	0.00	0.00
7	3.90	0.00	0.32	0.06	-0.12	0.00	0.00	13	4.15	0.00	0.44	-0.01	0.37	0.00	0.00
36	3.90	0.00	0.00	0.00	0.01	0.00	0.00	2	3.90	0.00	0.30	0.00	0.14	0.00	0.00
37	3.90	0.00	0.00	0.00	0.01	0.00	0.00	3	3.90	0.00	0.30	0.00	0.14	0.00	0.00
38	3.90	0.00	0.00	0.00	-0.02	0.00	0.00	4	3.90	0.00	0.30	0.00	0.17	0.00	0.00
39	3.90	0.00	0.00	0.00	0.01	0.00	0.00	5	3.90	0.00	0.30	0.00	0.14	0.00	0.00
40	3.90	0.00	0.00	0.00	0.01	0.00	0.00	6	3.90	0.00	0.30	0.00	0.14	0.00	0.00
41	3.90	0.00	0.00	0.00	0.00	0.00	0.00	7	3.90	0.00	0.20	0.00	0.10	0.00	0.00
4	3.90	0.00	1.20	0.37	-0.30	0.00	0.00	42	4.15	0.00	-0.06	-0.30	-2.11	0.00	0.00
21	3.90	0.00	0.00	0.00	0.00	0.00	-0.01	22	3.90	0.00	0.00	0.00	0.00	0.00	0.01
1	3.90	0.00	0.00	0.03	0.00	0.00	0.00	2	3.90	0.00	0.00	-0.03	0.00	0.00	0.00
2	3.90	0.00	0.00	0.05	0.00	0.00	0.00	3	3.90	0.00	0.00	-0.05	0.00	0.00	0.00
3	3.90	0.00	0.00	0.02	0.00	0.00	0.01	4	3.90	0.00	0.00	-0.02	0.00	0.00	-0.01
4	3.90	0.00	0.00	0.02	0.00	0.00	-0.01	5	3.90	0.00	0.00	-0.02	0.00	0.00	0.01
5	3.90	0.00	0.00	0.05	0.00	0.00	0.00	6	3.90	0.00	0.00	-0.05	0.00	0.00	0.00
6	3.90	0.00	0.00	0.03	0.00	0.00	0.00	7	3.90	0.00	0.00	-0.03	0.00	0.00	0.00
8	4.15	0.00	0.00	0.01	0.00	0.00	0.01	9	4.15	0.00	0.00	-0.01	0.00	0.00	-0.01
9	4.15	0.00	0.00	0.01	0.00	0.00	-0.01	10	4.15	0.00	0.00	-0.01	0.00	0.00	0.01
11	4.15	0.00	0.00	0.01	0.00	0.00	0.01	12	4.15	0.00	0.00	-0.01	0.00	0.00	-0.01
12	4.15	0.00	0.00	0.01	0.00	0.00	-0.01	13	4.15	0.00	0.00	-0.01	0.00	0.00	0.01
14	4.15	0.00	0.00	-0.02	0.00	0.00	0.00	15	4.15	0.00	0.00	0.02	0.00	0.00	0.00
15	4.15	0.00	0.00	-0.02	0.00	0.00	0.00	16	4.15	0.00	0.00	0.02	0.00	0.00	0.00
16	4.15	0.00	0.00	-0.01	0.00	0.00	0.00	17	4.15	0.00	0.00	0.01	0.00	0.00	0.00
17	4.15	0.00	0.00	-0.01	0.00	0.00	0.00	18	4.15	0.00	0.00	0.01	0.00	0.00	0.00
18	4.15	0.00	0.00	-0.02	0.00	0.00	0.00	19	4.15	0.00	0.00	0.02	0.00	0.00	0.00
19	4.15	0.00	0.00	-0.02	0.00	0.00	0.00	20	4.15	0.00	0.00	0.02	0.00	0.00	0.00
22	3.90	0.00	0.00	-0.01	0.00	0.00	0.01	23	3.90	0.00	0.00	0.01	0.00	0.00	-0.01
23	3.90	0.00	0.00	-0.01	0.00	0.00	0.00	24	3.90	0.00	0.00	0.01	0.00	0.00	0.00
24	3.90	0.00	0.00	-0.01	0.00	0.00	0.00	25	3.90	0.00	0.00	0.01	0.00	0.00	0.00
25	3.90	0.00	0.00	-0.01	0.00	0.00	-0.01	26	3.90	0.00	0.00	0.01	0.00	0.00	0.01
26	3.90	0.00	0.00	0.00	0.00	0.00	0.01	27	3.90	0.00	0.00	0.00	0.00	0.00	-0.01
35	3.90	0.00	0.00	0.00	0.00	0.00	0.00	36	3.90	0.00	0.00	0.00	0.00	0.00	0.00
36	3.90	0.00	0.00	0.00	0.00	0.00	0.00	37	3.90	0.00	0.00	0.00	0.00	0.00	0.00
37	3.90	0.00	0.00	0.00	0.00	0.00	0.01	38	3.90	0.00	0.00	0.00	0.00	0.00	-0.01
38	3.90	0.00	0.00	0.00	0.00	0.00	-0.01	39	3.90	0.00	0.00	0.00	0.00	0.00	0.01
39	3.90	0.00	0.00	0.00	0.00	0.00	0.00	40	3.90	0.00	0.00	0.00	0.00	0.00	0.00
40	3.90	0.00	0.00	0.00	0.00	0.00	0.00	41	3.90	0.00	0.00	0.00	0.00	0.00	0.00
28	3.90	0.00	0.00	0.00	0.00	0.00	-0.01	29	3.90	0.00	0.00	0.00	0.00	0.00	0.01
29	3.90	0.00	0.00	0.00	0.00	0.00	0.01	30	3.90	0.00	0.00	0.00	0.00	0.00	-0.01
30	3.90	0.00	0.00	0.00	0.00	0.00	0.00	31	3.90	0.00	0.00	0.00	0.00	0.00	0.00
31	3.90	0.00	0.00	0.00	0.00	0.00	0.00	32	3.90	0.00	0.00	0.00	0.00	0.00	0.00
32	3.90	0.00	0.00	0.00	0.00	0.00	-0.01	33	3.90	0.00	0.00	0.00	0.00	0.00	0.01
33	3.90	0.00	0.00	0.00	0.00	0.00	0.01	34	3.90	0.00	0.00	0.00	0.00	0.00	-0.01
42	4.15	0.00	0.08	0.29	2.10	0.00	0.00	17	4.15	0.00	1.66	-0.29	2.47	0.00	0.00
10	4.15	0.00	0.00	0.01	0.00	0.00	0.00	42	4.15	0.00	0.00	-0.01	0.00	0.00	0.00
42	4.15	0.00	0.00	0.01	0.00	0.00	0.00	11	4.15	0.00	0.00	-0.01	0.00	0.00	0.00
4	0.00	0.00	-0.17	0.00	-1.05	0.00	0.00	44	0.00	0.00	-0.22	0.00	1.03	0.00	0.00
43	0.00	0.00	-0.81	0.00	0.11	0.00	-0.01	44	0.00	0.00	-0.25	0.00	0.41	0.00	0.00
44	0.00	0.00	-0.25	0.00	-0.41	0.00	0.00	45	0.00	0.00	-0.81	0.00	-0.11	0.00	-0.01
3	0.00	0.00	-0.50	0.00	-0.28	0.00	0.00	43	0.00	0.00	-0.39	0.00	0.34	0.00	-0.02
5	0.00	0.00	-0.50	0.00	-0.28	0.00	0.00	45	0.00	0.00	-0.39	0.00	0.34	0.00	0.02
46	0.00	0.00	0.04	0.00	-0.44	0.00	-0.01	21	0.00	0.00	-0.13	0.00	0.27	0.00	0.01
47	0.00	0.00	-0.40	0.00	-0.45	0.00	0.00	22	0.00	0.00	0.47	0.00	1.32	0.00	0.00
48	0.00	0.00	0.04	0.00	-0.19	0.00	0.02	23	0.00	0.00	0.08	0.00	0.20	0.00	-0.02
49	0.00	0.00	-0.01	0.00	-0.20	0.00	0.00	24	0.00	0.00	0.22	0.00	0.37	0.00	0.00
50	0.00	0.00	0.04	0.00	-0.19	0.00	-0.02	25	0.00	0.00	0.08	0.00	0.20	0.00	0.02
51	0.00	0.00	-0.40	0.00	-0.45	0.00	0.00	26	0.00	0.00	0.47	0.00	1.32	0.00	0.00
52	0.00	0.00	0.04	0.00	-0.44	0.00	0.01	27	0.00	0.00	-0.13	0.00	0.27	0.00	-0.01
46	0.00	0.00	-0.14	0.00	-0.01	0.00	0.01	47	0.00	0.00	0.06	0.00	0.24	0.00	0.00
47	0.00	0.00	0.13	0.00	-0.23	0.00	0.00	48	0.00	0.00	-0.13	0.00	-0.16	0.00	0.01
48	0.00	0.00	-0.12	0.00	0.15	0.00	0.00	49	0.00	0.00	-0.04	0.00	0.00	0.00	0.01
49	0.00	0.00	-0.04	0.00	0.00	0.00	0.01	50	0.00	0.00	-0.12	0.00	-0.15	0.00	0.00
50	0.00	0.00	-0.13	0.00	0.16	0.00	0.01	51	0.00	0.00	0.13	0.00	0.23	0.00	0.00
51	0.00	0.00	0.06	0.00	-0.24	0.00	0.00	52	0.00	0.00	-0.14	0.00	0.01	0.00	0.01

CARATT. neve: ASTE

Tratto	Filo In.	Alt. (m)	Tx (kN*10)	Ty (kN*10)	N (kN*10)	Mx kN*m*10	My kN*m*10	Mt kN*m*10	Filo N.ro	Alt. (m)	Tx (kN*10)	Ty (kN*10)	N (kN*10)	Mx kN*m*10	My kN*m*10	Mt kN*m*10
1	0.00	0.00	-0.25	0.00	0.02	0.00	0.01	2	0.00	0.00	-0.14	0.00	0.08	0.00	-0.01
1	0.00	0.00	-0.24	0.00	-0.02	0.00	-0.02	8	0.00	0.00	-0.42	0.00	-0.29	0.00	0.02
2	0.00	0.00	0.28	0.00	-0.40	0.00	0.00	9	0.00	0.00	-1.30	0.00	-1.90	0.00	0.00

43	0.00	0.00	0.23	0.00	-0.23	0.00	-0.02	10	0.00	0.00	-0.69	0.00	-0.59	0.00	0.01
44	0.00	0.00	0.22	0.00	-0.96	0.00	0.00	17	0.00	0.00	-0.84	0.00	-1.04	0.00	0.00
45	0.00	0.00	0.23	0.00	-0.23	0.00	0.02	11	0.00	0.00	-0.69	0.00	-0.59	0.00	-0.01
6	0.00	0.00	0.28	0.00	-0.40	0.00	0.00	12	0.00	0.00	-1.30	0.00	-1.90	0.00	0.00
7	0.00	0.00	-0.24	0.00	-0.02	0.00	0.02	13	0.00	0.00	-0.42	0.00	-0.29	0.00	-0.02
8	0.00	0.00	-0.41	0.00	0.28	0.00	0.02	14	0.00	0.00	-0.51	0.00	-0.51	0.00	-0.02
9	0.00	0.00	-0.88	0.00	0.94	0.00	0.00	15	0.00	0.00	-0.08	0.00	0.13	0.00	0.00
10	0.00	0.00	-0.65	0.00	0.57	0.00	-0.01	16	0.00	0.00	-0.63	0.00	-0.63	0.00	0.01
11	0.00	0.00	-0.65	0.00	0.57	0.00	0.01	18	0.00	0.00	-0.63	0.00	-0.63	0.00	-0.01
12	0.00	0.00	-0.88	0.00	0.94	0.00	0.00	19	0.00	0.00	-0.08	0.00	0.13	0.00	0.00
13	0.00	0.00	-0.41	0.00	0.28	0.00	-0.02	20	0.00	0.00	-0.51	0.00	-0.51	0.00	0.02
14	0.00	0.00	-0.57	0.00	0.48	0.00	-0.02	46	0.00	0.00	0.12	0.00	0.48	0.00	0.00
15	0.00	0.00	-0.17	0.00	-0.14	0.00	0.00	47	0.00	0.00	0.30	0.00	0.83	0.00	0.00
16	0.00	0.00	-0.71	0.00	0.63	0.00	0.01	48	0.00	0.00	0.26	0.00	0.68	0.00	0.00
17	0.00	0.00	-1.22	0.00	1.58	0.00	0.00	49	0.00	0.00	0.39	0.00	0.61	0.00	0.00
18	0.00	0.00	-0.71	0.00	0.63	0.00	-0.01	50	0.00	0.00	0.26	0.00	0.68	0.00	0.00
19	0.00	0.00	-0.17	0.00	-0.14	0.00	0.00	51	0.00	0.00	0.30	0.00	0.83	0.00	0.00
20	0.00	0.00	-0.57	0.00	0.48	0.00	0.02	52	0.00	0.00	0.12	0.00	0.48	0.00	0.00
2	0.00	0.00	-0.11	0.00	-0.08	0.00	-0.01	3	0.00	0.00	-0.29	0.00	-0.14	0.00	0.01
3	0.00	0.00	-0.24	0.00	0.06	0.00	-0.01	4	0.00	0.00	-0.66	0.00	-0.67	0.00	0.03
4	0.00	0.00	-0.66	0.00	0.67	0.00	0.03	5	0.00	0.00	-0.24	0.00	-0.06	0.00	-0.01
5	0.00	0.00	-0.29	0.00	0.14	0.00	0.01	6	0.00	0.00	-0.11	0.00	0.08	0.00	-0.01
6	0.00	0.00	-0.14	0.00	-0.08	0.00	-0.01	7	0.00	0.00	-0.25	0.00	-0.02	0.00	0.01
8	0.00	0.00	-0.16	0.00	-0.08	0.00	0.00	9	0.00	0.00	-0.76	0.00	-0.81	0.00	0.00
9	0.00	0.00	-0.79	0.00	0.80	0.00	0.01	10	0.00	0.00	-0.25	0.00	0.05	0.00	0.00
11	0.00	0.00	-0.25	0.00	-0.05	0.00	0.00	12	0.00	0.00	-0.79	0.00	-0.80	0.00	0.01
12	0.00	0.00	-0.76	0.00	0.81	0.00	0.00	13	0.00	0.00	-0.16	0.00	0.08	0.00	0.00
14	0.00	0.00	-0.24	0.00	0.05	0.00	0.00	15	0.00	0.00	0.10	0.00	0.41	0.00	0.00
15	0.00	0.00	0.15	0.00	-0.41	0.00	0.00	16	0.00	0.00	-0.40	0.00	-0.37	0.00	0.00
16	0.00	0.00	-0.38	0.00	0.32	0.00	0.00	17	0.00	0.00	-0.53	0.00	-0.49	0.00	0.00
17	0.00	0.00	-0.53	0.00	0.49	0.00	0.00	18	0.00	0.00	-0.38	0.00	-0.32	0.00	0.00
18	0.00	0.00	-0.40	0.00	0.37	0.00	0.00	19	0.00	0.00	0.15	0.00	0.41	0.00	0.00
19	0.00	0.00	0.10	0.00	-0.41	0.00	0.00	20	0.00	0.00	-0.24	0.00	-0.05	0.00	0.00
21	0.00	0.00	-0.25	0.00	-0.09	0.00	0.01	22	0.00	0.00	-0.93	0.00	-0.95	0.00	-0.03
22	0.00	0.00	-0.90	0.00	0.95	0.00	-0.03	23	0.00	0.00	-0.28	0.00	-0.02	0.00	0.00
23	0.00	0.00	-0.32	0.00	0.07	0.00	-0.01	24	0.00	0.00	-0.25	0.00	-0.04	0.00	0.00
24	0.00	0.00	-0.25	0.00	0.04	0.00	0.00	25	0.00	0.00	-0.32	0.00	-0.07	0.00	-0.01
25	0.00	0.00	-0.28	0.00	0.02	0.00	0.00	26	0.00	0.00	-0.90	0.00	-0.95	0.00	-0.03
26	0.00	0.00	-0.93	0.00	0.95	0.00	-0.03	27	0.00	0.00	-0.25	0.00	0.09	0.00	0.01
1	3.90	-0.01	0.01	0.50	0.00	0.00	0.00	1	0.00	0.01	-0.01	-0.50	-0.03	-0.03	0.00
2	3.90	0.00	-0.13	-0.03	0.00	0.00	0.00	2	0.00	0.00	0.13	0.03	0.44	0.00	0.00
3	3.90	0.01	-0.01	0.80	0.00	0.00	0.00	3	0.00	-0.01	0.01	-0.80	0.02	0.02	0.00
4	3.90	0.00	-0.24	1.61	0.00	0.00	0.00	4	0.00	0.00	0.24	-1.61	0.83	0.00	0.00
5	3.90	-0.01	-0.01	0.80	0.00	0.00	0.00	5	0.00	0.01	0.01	-0.80	0.02	-0.02	0.00
6	3.90	0.00	-0.13	-0.03	0.00	0.00	0.00	6	0.00	0.00	0.13	0.03	0.44	0.00	0.00
7	3.90	0.01	0.01	0.50	0.00	0.00	0.00	7	0.00	-0.01	-0.01	-0.50	-0.03	0.03	0.00
8	4.15	0.01	0.00	0.99	0.00	0.00	0.00	8	0.00	-0.01	0.00	-0.99	0.01	0.02	0.00
9	4.15	0.00	-0.29	3.73	0.00	0.00	0.00	9	0.00	0.00	0.29	-3.73	1.08	0.00	0.00
10	4.15	0.00	-0.01	1.58	0.00	0.00	0.00	10	0.00	0.00	0.01	-1.58	0.03	-0.01	0.00
11	4.15	0.00	-0.01	1.58	0.00	0.00	0.00	11	0.00	0.00	0.01	-1.58	0.03	0.01	0.00
12	4.15	0.00	-0.29	3.73	0.00	0.00	0.00	12	0.00	0.00	0.29	-3.73	1.08	0.00	0.00
13	4.15	-0.01	0.00	0.99	0.00	0.00	0.00	13	0.00	0.01	0.00	-0.99	0.01	-0.02	0.00
14	4.15	-0.01	0.00	1.33	0.00	0.00	0.00	14	0.00	0.01	0.00	-1.33	0.01	-0.04	0.00
16	4.15	0.01	0.00	2.12	0.00	0.00	0.00	16	0.00	-0.01	0.00	-2.12	-0.01	0.03	0.00
17	4.15	0.00	0.17	3.12	0.00	0.00	0.00	17	0.00	0.00	-0.17	-3.12	-0.64	0.00	0.00
18	4.15	-0.01	0.00	2.12	0.00	0.00	0.00	18	0.00	0.01	0.00	-2.12	-0.01	-0.03	0.00
20	4.15	0.01	0.00	1.33	0.00	0.00	0.00	20	0.00	-0.01	0.00	-1.33	0.01	0.04	0.00
21	3.90	0.00	0.00	0.67	0.00	0.00	0.00	21	0.00	0.00	0.00	-0.67	0.01	0.02	0.00
22	3.90	0.00	0.41	1.87	0.00	0.00	0.00	22	0.00	0.00	-0.41	-1.87	-1.44	0.00	0.00
23	3.90	-0.01	0.01	1.08	0.00	0.00	0.00	23	0.00	0.01	-0.01	-1.08	-0.04	-0.03	0.00
24	3.90	0.00	0.06	0.83	0.00	0.00	0.00	24	0.00	0.00	-0.06	-0.83	-0.22	0.00	0.00
25	3.90	0.01	0.01	1.08	0.00	0.00	0.00	25	0.00	-0.01	-0.01	-1.08	-0.04	0.03	0.00
26	3.90	0.00	0.41	1.87	0.00	0.00	0.00	26	0.00	0.00	-0.41	-1.87	-1.44	0.00	0.00
27	3.90	0.00	0.00	0.67	0.00	0.00	0.00	27	0.00	0.00	0.00	-0.67	0.01	-0.02	0.00
1	3.90	0.00	0.30	0.01	-0.10	0.00	0.00	8	4.15	0.00	0.46	0.04	0.42	0.00	0.00
8	4.15	0.00	0.53	-0.01	-0.41	0.00	0.00	14	4.15	0.00	0.63	0.01	0.72	0.00	0.00
14	4.15	0.00	0.69	-0.03	-0.72	0.00	0.00	21	3.90	0.00	0.47	-0.02	0.07	0.00	0.00
21	3.90	0.00	0.20	0.00	-0.09	0.00	0.00	28	3.90	0.00	0.00	0.00	-0.01	0.00	0.00
35	3.90	0.00	0.00	0.00	0.00	0.00	0.00	1	3.90	0.00	0.20	0.00	0.10	0.00	0.00
22	3.90	0.00	0.32	0.00	-0.19	0.00	0.00	29	3.90	0.00	0.00	0.00	0.03	0.00	0.00
23	3.90	0.00	0.32	0.00	-0.15	0.00	0.00	30	3.90	0.00	0.00	0.00	-0.01	0.00	0.00
24	3.90	0.00	0.32	0.00	-0.16	0.00	0.00	31	3.90	0.00	0.00	0.00	0.00	0.00	0.00
25	3.90	0.00	0.32	0.00	-0.15	0.00	0.00	32	3.90	0.00	0.00	0.00	-0.01	0.00	0.00
26	3.90	0.00	0.32	0.00	-0.19	0.00	0.00	33	3.90	0.00	0.00	0.00	0.03	0.00	0.00
27	3.90	0.00	0.20	0.00	-0.09	0.00	0.00	34	3.90	0.00	0.00	0.00	-0.01	0.00	0.00
15	4.15	0.00	0.32	0.40	3.14	0.00	0.00	22	3.90	0.00	1.53	-0.48	0.38	0.00	0.00
16	4.15	0.00	1.10	-0.04	-1.15	0.00	0.00	23	3.90	0.00	0.75	-0.04	0.14	0.00	0.00
17	4.15	0.00	1.35	0.01	-2.61	0.00	0.00	24	3.90	0.00	0.51	-0.09	0.18	0.00	0.00
18	4.15	0.00	1.10	-0.04	-1.15	0.00	0.00	25	3.90	0.00	0.75	-0.04	0.14	0.00	0.00
19	4.15	0.00	0.32	0.40	3.14	0.00	0.00	26	3.90	0.00	1.53	-0.48	0.38	0.00	0.00
20	4.15	0.00	0.69	-0.03	-0.72	0.00	0.00	27	3.90	0.00	0.47	-0.02	0.07	0.00	0.00
9	4.15	0.00	2.16	0.41	-4.01	0.00	0.00	15	4.15	0.00	-0.30	-0.41	-3.14	0.00	0.00
10	4.15	0.00	0.84	0.01	-0.65	0.00	0.00	16	4.15	0.00	1.01	-0.01	1.15	0.00	0.00
11	4.15	0.00	0.84	0.01	-0.65	0.00	0.00	18	4.15	0.00	1.01	-0.01	1.15	0.00	0.00
12	4.15	0.00	2.16	0.41	-4.01	0.00	0.00	19	4.15	0.00	-0.30	-0.41	-3.14	0.00	0.00
13	4.15	0.00	0.53	-0.01	-0.41	0.00	0.00	20	4.15	0.00	0.63	0.01	0.72	0.00	0.00
2	3.90	0.00	-0.36	0.10	-0.20	0.00	0.00	9	4.15	0.00	1.57	-0.02	3.88	0.00	0.00
3	3.90	0.00	0.48	0.04	-0.15	0.00	0.00	10	4.15	0.00	0.74	0.04	0.66	0.00	0.00
5	3.90	0.00	0.48	0.04	-0.15	0.00	0.00	11	4.15	0.00	0.74	0.04	0.66	0.00	0.00
6	3.90	0.00	-0.36	0.10	-0.20	0.00	0.00	12	4.15	0.00	1.57	-0.02	3.88	0.00	0.00
7	3.90	0.00	0.30	0.01	-0.10	0.00	0.00	13	4.15	0.00	0.46	0.04	0.42	0.00	0.00
36	3.90	0.00	0.00	0.00	0.01	0.00	0.00	2	3.90	0.00	0.32	0.00	0.15	0.00	0.00
37	3.90	0.00	0.00	0.00	0.01	0.00	0.00	3	3.90	0.00	0.32	0.00	0.15	0.00	0.00
38	3.90	0.00	0.00	0.00	-0.02	0.00	0.00	4	3.90	0.00	0.32	0.00	0.18	0.00	0.00
39	3.90	0.00	0.00	0.00	0.01	0.00	0.00	5	3.90	0.00	0.32	0.00	0.15	0.00	0.00
40	3.90	0.00	0.00	0.00	0.01	0.00	0.00	6	3.90	0.00	0.32	0.00	0.15	0.00	0.00
41	3.90	0.00	0.00	0.00	0.00	0.00	0.00	7	3.90	0.00	0.20	0.00	0.10	0.00	0.00
4	3.90	0.00	1.28	0.32	-0.29	0.00	0.00	42	4.15	0.00	-0.06	-0.24	-2.26	0.00	0.00
21	3.90	0.00	0.00	0.00	0.00	0.00	-0.01	22	3.90	0.00	0.00	0.00	0.00	0.00	0.01
1	3.90	0.00	0.00	-0.01	0.00	0.00	0.00	2	3.90	0.00	0.00	0.01	0.00	0.00	0.00
2	3.90	0.00	0.00	-0.01	0.00	0.00	0.00	3	3.90	0.00	0.00	0.01	0.00	0.00	0.00
3	3.90	0.00	0.00	0.00	0.00	0.00	0.01	4	3.90	0.00	0.00	0.00	0.00	0.00	-0.01
4	3.90	0.00	0.00	0.00	0.00	0.00	-0.01	5	3.90	0.00	0.00	0.00	0.00	0.00	0.01
5	3.90	0.00	0.00	-0.01	0.00	0.00	0.00	6	3.90	0.00	0.00	0.01	0.00	0.00	0.00
6	3.90	0.00	0.00	-0.01	0.00	0.00	0.00	7	3.90	0.00	0.00	0.01	0.00	0.00	0.00
8	4.15	0.00	0.00	0.01	0.00	0.00	0.01	9	4.15	0.00	0.00	-0.01	0.00	0.00	-0.01
9	4.15	0.00	0.00	0.01	0.00	0.00	-0.01	10	4.15	0.00	0.00	-0.01	0.00	0.00	0.01
11	4.15	0.00	0.00	0.01	0.00	0.00	0.01	12	4.15	0.00	0.00	-0.01	0.00	0.00	-0.01
12	4.15	0.00	0.00	0.01	0.00	0.00	-0.01	13	4.15	0.00	0.00	-0.01	0.00	0.00	0.01
14	4.15	0.00	0.00	-0.01	0.00	0.00	0.00	15	4.15	0.00	0.00	0.01	0.00	0.00	0.00
15	4.15	0.00	0.00	-0.01	0.00	0.00	0.00	16	4.15	0.00	0.00	0.01	0.00	0.00	0.00
16	4.15	0.00	0.00	0.00	0.00	0.00	0.00	17	4.15	0.00	0.00	0.00	0.00	0.00	0.00
17	4.15	0.00	0.00	0.00	0.00	0.00	0.00	18	4.15	0.00	0.00	0.00	0.00	0.00	0.00

18	4.15	0.00	0.00	-0.01	0.00	0.00	0.00	19	4.15	0.00	0.00	0.01	0.00	0.00	0.00
19	4.15	0.00	0.00	-0.01	0.00	0.00	0.00	20	4.15	0.00	0.00	0.01	0.00	0.00	0.00
22	3.90	0.00	0.00	0.00	0.00	0.00	0.01	23	3.90	0.00	0.00	0.00	0.00	0.00	-0.01
23	3.90	0.00	0.00	0.00	0.00	0.00	0.00	24	3.90	0.00	0.00	0.00	0.00	0.00	0.00
24	3.90	0.00	0.00	0.00	0.00	0.00	0.00	25	3.90	0.00	0.00	0.00	0.00	0.00	0.00
25	3.90	0.00	0.00	0.00	0.00	0.00	-0.01	26	3.90	0.00	0.00	0.00	0.00	0.00	0.01
26	3.90	0.00	0.00	0.00	0.00	0.00	0.01	27	3.90	0.00	0.00	0.00	0.00	0.00	-0.01
35	3.90	0.00	0.00	0.00	0.00	0.00	0.00	36	3.90	0.00	0.00	0.00	0.00	0.00	0.00
36	3.90	0.00	0.00	0.00	0.00	0.00	0.00	37	3.90	0.00	0.00	0.00	0.00	0.00	0.00
37	3.90	0.00	0.00	0.00	0.00	0.00	0.01	38	3.90	0.00	0.00	0.00	0.00	0.00	-0.01
38	3.90	0.00	0.00	0.00	0.00	0.00	-0.01	39	3.90	0.00	0.00	0.00	0.00	0.00	0.01
39	3.90	0.00	0.00	0.00	0.00	0.00	0.00	40	3.90	0.00	0.00	0.00	0.00	0.00	0.00
40	3.90	0.00	0.00	0.00	0.00	0.00	0.00	41	3.90	0.00	0.00	0.00	0.00	0.00	0.00
28	3.90	0.00	0.00	0.00	0.00	0.00	-0.01	29	3.90	0.00	0.00	0.00	0.00	0.00	0.01
29	3.90	0.00	0.00	0.00	0.00	0.00	0.01	30	3.90	0.00	0.00	0.00	0.00	0.00	-0.01
30	3.90	0.00	0.00	0.00	0.00	0.00	0.00	31	3.90	0.00	0.00	0.00	0.00	0.00	0.00
31	3.90	0.00	0.00	0.00	0.00	0.00	0.00	32	3.90	0.00	0.00	0.00	0.00	0.00	0.00
32	3.90	0.00	0.00	0.00	0.00	0.00	-0.01	33	3.90	0.00	0.00	0.00	0.00	0.00	0.01
33	3.90	0.00	0.00	0.00	0.00	0.00	0.01	34	3.90	0.00	0.00	0.00	0.00	0.00	-0.01
42	4.15	0.00	0.08	0.24	2.26	0.00	0.00	17	4.15	0.00	1.78	-0.24	2.68	0.00	0.00
10	4.15	0.00	0.00	0.00	0.00	0.00	0.00	42	4.15	0.00	0.00	0.00	0.00	0.00	0.00
42	4.15	0.00	0.00	0.00	0.00	0.00	0.00	11	4.15	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	-0.30	0.00	-0.85	0.00	0.00	44	0.00	0.00	0.09	0.00	1.02	0.00	0.00
43	0.00	0.00	-0.28	0.00	0.08	0.00	-0.01	44	0.00	0.00	-0.15	0.00	0.04	0.00	0.02
44	0.00	0.00	-0.15	0.00	-0.04	0.00	0.02	45	0.00	0.00	-0.28	0.00	-0.08	0.00	-0.01
3	0.00	0.00	-0.27	0.00	-0.10	0.00	0.06	43	0.00	0.00	0.05	0.00	0.26	0.00	-0.06
5	0.00	0.00	-0.27	0.00	-0.10	0.00	-0.06	45	0.00	0.00	0.05	0.00	0.26	0.00	0.06
46	0.00	0.00	0.04	0.00	-0.50	0.00	-0.03	21	0.00	0.00	-0.42	0.00	0.10	0.00	0.03
47	0.00	0.00	-0.32	0.00	-1.01	0.00	0.00	22	0.00	0.00	-0.04	0.00	1.39	0.00	0.00
48	0.00	0.00	0.15	0.00	-0.71	0.00	0.02	23	0.00	0.00	-0.47	0.00	0.15	0.00	-0.03
49	0.00	0.00	0.07	0.00	-0.68	0.00	0.00	24	0.00	0.00	-0.33	0.00	0.31	0.00	0.00
50	0.00	0.00	0.15	0.00	-0.71	0.00	-0.02	25	0.00	0.00	-0.47	0.00	0.15	0.00	0.03
51	0.00	0.00	-0.32	0.00	-1.01	0.00	0.00	26	0.00	0.00	-0.04	0.00	1.39	0.00	0.00
52	0.00	0.00	0.04	0.00	-0.50	0.00	0.03	27	0.00	0.00	-0.42	0.00	0.10	0.00	-0.03
46	0.00	0.00	-0.16	0.00	0.01	0.00	0.00	47	0.00	0.00	-0.01	0.00	0.17	0.00	-0.01
47	0.00	0.00	0.03	0.00	-0.16	0.00	-0.01	48	0.00	0.00	-0.21	0.00	-0.19	0.00	0.00
48	0.00	0.00	-0.20	0.00	0.17	0.00	0.00	49	0.00	0.00	-0.23	0.00	-0.19	0.00	0.01
49	0.00	0.00	-0.23	0.00	0.19	0.00	0.01	50	0.00	0.00	-0.20	0.00	-0.17	0.00	0.00
50	0.00	0.00	-0.21	0.00	0.19	0.00	0.00	51	0.00	0.00	0.03	0.00	0.16	0.00	-0.01
51	0.00	0.00	-0.01	0.00	-0.17	0.00	-0.01	52	0.00	0.00	-0.16	0.00	-0.01	0.00	0.00

CARATT. vento: ASTE

Tratto	Filo In.	Alt. (m)	Tx (kN*10)	Ty (kN*10)	N (kN*10)	Mx kN*m*10	My kN*m*10	Mt kN*m*10	Filo N.ro	Alt. (m)	Tx (kN*10)	Ty (kN*10)	N (kN*10)	Mx kN*m*10	My kN*m*10	Mt kN*m*10
1	0.00	0.00	0.00	0.00	1.50	0.00	-0.01	2	0.00	0.00	1.43	0.00	1.29	0.00	-0.04
1	0.00	0.00	0.02	0.00	1.52	0.00	0.02	8	0.00	0.00	1.19	0.00	0.77	0.00	0.07
2	0.00	0.00	-1.65	0.00	3.91	0.00	0.00	9	0.00	0.00	1.63	0.00	1.86	0.00	0.01
43	0.00	0.00	-1.00	0.00	1.33	0.00	-0.10	10	0.00	0.00	0.56	0.00	0.13	0.00	0.12
44	0.00	0.00	-0.93	0.00	2.07	0.00	-0.01	17	0.00	0.00	0.77	0.00	1.78	0.00	0.03
45	0.00	0.00	-1.49	0.00	1.26	0.00	-0.13	11	0.00	0.00	1.68	0.00	1.61	0.00	0.14
6	0.00	0.00	-1.52	0.00	3.89	0.00	0.01	12	0.00	0.00	1.64	0.00	1.74	0.00	0.00
7	0.00	0.00	-0.70	0.00	1.47	0.00	0.02	13	0.00	0.00	0.03	0.00	0.00	0.00	0.05
8	0.00	0.00	0.06	0.00	0.61	0.00	0.06	14	0.00	0.00	0.95	0.00	1.36	0.00	0.10
9	0.00	0.00	-1.00	0.00	1.80	0.00	0.02	15	0.00	0.00	-0.17	0.00	-0.17	0.00	-0.04
10	0.00	0.00	-1.52	0.00	2.65	0.00	0.07	16	0.00	0.00	0.83	0.00	1.93	0.00	0.02
11	0.00	0.00	-0.44	0.00	1.11	0.00	0.06	18	0.00	0.00	0.49	0.00	1.12	0.00	0.02
12	0.00	0.00	-0.99	0.00	1.92	0.00	0.02	19	0.00	0.00	0.18	0.00	0.29	0.00	-0.03
13	0.00	0.00	-1.05	0.00	1.43	0.00	0.05	20	0.00	0.00	-0.17	0.00	0.33	0.00	0.09
14	0.00	0.00	0.17	0.00	0.13	0.00	0.15	46	0.00	0.00	0.38	0.00	0.23	0.00	-0.08
15	0.00	0.00	-0.31	0.00	0.16	0.00	-0.04	47	0.00	0.00	0.58	0.00	1.00	0.00	0.02
16	0.00	0.00	-0.52	0.00	1.04	0.00	0.04	48	0.00	0.00	0.74	0.00	0.78	0.00	-0.02
17	0.00	0.00	-0.98	0.00	2.03	0.00	0.03	49	0.00	0.00	1.01	0.00	0.83	0.00	-0.02
18	0.00	0.00	-0.97	0.00	1.72	0.00	0.05	50	0.00	0.00	0.91	0.00	0.93	0.00	-0.04
19	0.00	0.00	0.08	0.00	-0.29	0.00	-0.04	51	0.00	0.00	0.45	0.00	0.76	0.00	0.02
20	0.00	0.00	-0.95	0.00	1.16	0.00	0.12	52	0.00	0.00	0.50	0.00	0.88	0.00	-0.05
2	0.00	0.00	0.33	0.00	0.13	0.00	-0.03	3	0.00	0.00	0.90	0.00	0.94	0.00	-0.03
3	0.00	0.00	0.13	0.00	0.47	0.00	-0.03	4	0.00	0.00	1.01	0.00	1.10	0.00	-0.04
4	0.00	0.00	0.26	0.00	0.27	0.00	-0.04	5	0.00	0.00	0.94	0.00	0.91	0.00	-0.01
5	0.00	0.00	0.15	0.00	0.44	0.00	-0.01	6	0.00	0.00	1.30	0.00	1.54	0.00	-0.04
6	0.00	0.00	0.33	0.00	-0.19	0.00	-0.05	7	0.00	0.00	0.72	0.00	1.28	0.00	0.00
8	0.00	0.00	-1.23	0.00	2.92	0.00	0.00	9	0.00	0.00	0.84	0.00	1.09	0.00	-0.01
9	0.00	0.00	-1.51	0.00	1.85	0.00	-0.01	10	0.00	0.00	1.00	0.00	2.77	0.00	0.00
11	0.00	0.00	-1.25	0.00	2.65	0.00	0.00	12	0.00	0.00	0.74	0.00	1.10	0.00	-0.01
12	0.00	0.00	-1.43	0.00	1.73	0.00	-0.02	13	0.00	0.00	1.03	0.00	2.78	0.00	0.00
14	0.00	0.00	-1.12	0.00	3.38	0.00	-0.01	15	0.00	0.00	0.68	0.00	0.08	0.00	0.01
15	0.00	0.00	-0.20	0.00	-0.13	0.00	0.01	16	0.00	0.00	0.65	0.00	1.53	0.00	-0.01
16	0.00	0.00	-0.95	0.00	1.96	0.00	0.00	17	0.00	0.00	1.17	0.00	1.86	0.00	-0.01
17	0.00	0.00	-0.87	0.00	1.55	0.00	-0.01	18	0.00	0.00	1.04	0.00	1.94	0.00	0.00
18	0.00	0.00	-0.52	0.00	1.46	0.00	-0.02	19	0.00	0.00	0.29	0.00	-0.08	0.00	0.01
19	0.00	0.00	-0.55	0.00	0.03	0.00	0.01	20	0.00	0.00	1.12	0.00	3.19	0.00	-0.01
21	0.00	0.00	-0.63	0.00	1.00	0.00	0.00	22	0.00	0.00	-0.24	0.00	-0.07	0.00	-0.05
22	0.00	0.00	-0.99	0.00	1.12	0.00	-0.04	23	0.00	0.00	-0.15	0.00	0.36	0.00	-0.02
23	0.00	0.00	-0.75	0.00	0.70	0.00	-0.02	24	0.00	0.00	-0.38	0.00	-0.01	0.00	-0.04
24	0.00	0.00	-0.97	0.00	1.06	0.00	-0.04	25	0.00	0.00	-0.14	0.00	0.37	0.00	-0.02
25	0.00	0.00	-0.70	0.00	0.67	0.00	-0.02	26	0.00	0.00	-0.32	0.00	0.03	0.00	-0.04
26	0.00	0.00	-1.08	0.00	1.01	0.00	-0.04	27	0.00	0.00	0.02	0.00	1.05	0.00	-0.01
1	3.90	-0.38	0.44	-0.01	0.00	0.18	0.08	1	0.00	0.38	-0.44	0.01	-1.53	-1.52	-0.08
2	3.90	-0.40	1.26	-0.11	0.00	0.19	0.08	2	0.00	0.40	-1.26	0.11	-4.40	-1.59	-0.08
3	3.90	-0.39	0.93	-0.04	0.00	0.18	0.07	3	0.00	0.39	-0.93	0.04	-3.24	-1.55	-0.07
4	3.90	-0.39	1.24	-0.04	0.00	0.17	0.07	4	0.00	0.39	-1.24	0.04	-4.35	-1.53	-0.07
5	3.90	-0.38	0.97	-0.06	0.00	0.18	0.07	5	0.00	0.38	-0.97	0.06	-3.39	-1.52	-0.07
6	3.90	-0.38	1.25	-0.11	0.00	0.18	0.07	6	0.00	0.38	-1.25	0.11	-4.36	-1.50	-0.07
7	3.90	-0.35	0.47	-0.02	0.00	0.17	0.07	7	0.00	0.35	-0.47	0.02	-1.65	-1.41	-0.07
8	4.15	-0.78	0.44	-0.02	0.00	0.30	0.05	8	0.00	0.78	-0.44	0.02	-1.66	-3.24	-0.05
9	4.15	-0.81	1.16	0.05	0.00	0.30	0.06	9	0.00	0.81	-1.16	-0.05	-4.34	-3.33	-0.06
10	4.15	-0.75	0.88	-0.04	0.00	0.29	0.05	10	0.00	0.75	-0.88	0.04	-3.31	-3.12	-0.05
11	4.15	-0.74	0.87	0.02	0.00	0.28	0.05	11	0.00	0.74	-0.87	-0.02	-3.26	-3.04	-0.05
12	4.15	-0.77	1.16	0.04	0.00	0.29	0.06	12	0.00	0.77	-1.16	-0.04	-4.35	-3.18	-0.06
13	4.15	-0.73	0.45	-0.01	0.00	0.28	0.05	13	0.00	0.73	-0.45	0.01	-1.69	-3.04	-0.05
14	4.15	-0.92	0.45	-0.01	0.00	0.35	-0.03	14	0.00	0.92	-0.45	0.01	-1.69	-3.79	0.03
16	4.15	-0.92	0.88	-0.01	0.00	0.35	-0.03	16	0.00	0.92	-0.88	0.01	-3.32	-3.79	0.03
17	4.15	-0.91	1.14	-0.09	0.00	0.34	-0.04	17	0.00	0.91	-1.14	0.09	-4.27	-3.77	0.04
18	4.15	-0.90	0.86	-0.04	0.00	0.34	-0.03	18	0.00	0.90	-0.86	0.04	-3.22	-3.71	0.03

20	4.15	-0.86	0.45	0.00	0.00	0.33	-0.03	20	0.00	0.86	-0.45	0.00	-1.69	-3.57	0.03
21	3.90	-0.29	0.47	0.04	0.00	0.14	-0.08	21	0.00	0.29	-0.47	-0.04	-1.64	-1.15	0.08
22	3.90	-0.30	1.19	0.06	0.00	0.13	-0.08	22	0.00	0.30	-1.19	-0.06	-4.16	-1.19	0.08
23	3.90	-0.29	0.91	0.08	0.00	0.14	-0.07	23	0.00	0.29	-0.91	-0.08	-3.17	-1.16	0.07
24	3.90	-0.29	1.22	0.13	0.00	0.14	-0.07	24	0.00	0.29	-1.22	-0.13	-4.26	-1.15	0.07
25	3.90	-0.29	0.90	0.09	0.00	0.14	-0.07	25	0.00	0.29	-0.90	-0.09	-3.16	-1.15	0.07
26	3.90	-0.29	1.20	0.06	0.00	0.13	-0.07	26	0.00	0.29	-1.20	-0.06	-4.18	-1.16	0.07
27	3.90	-0.27	0.43	0.04	0.00	0.13	-0.07	27	0.00	0.27	-0.43	-0.04	-1.50	-1.08	0.07
1	3.90	0.04	-0.06	0.76	0.18	0.05	-0.02	8	4.15	-0.04	0.06	-0.76	0.06	0.08	0.02
8	4.15	0.01	-0.04	0.32	0.11	-0.03	0.00	14	4.15	-0.01	0.04	-0.32	0.09	0.08	0.00
14	4.15	-0.03	-0.05	-0.13	0.09	-0.12	0.02	21	3.90	0.03	0.05	0.13	0.19	-0.07	-0.02
21	3.90	-0.01	0.00	0.00	0.00	-0.01	0.00	28	3.90	0.01	0.00	0.00	0.00	0.00	0.00
35	3.90	0.03	0.00	0.00	0.00	0.00	0.00	1	3.90	-0.03	0.00	0.00	0.00	0.03	0.00
22	3.90	-0.01	0.00	0.00	0.00	-0.01	0.00	29	3.90	0.01	0.00	0.00	0.00	0.00	0.00
23	3.90	0.00	0.00	0.00	0.00	0.00	0.00	30	3.90	0.00	0.00	0.00	0.00	0.00	0.00
24	3.90	0.00	0.00	0.00	0.00	0.00	0.00	31	3.90	0.00	0.00	0.00	0.00	0.00	0.00
25	3.90	0.01	0.00	0.00	0.00	0.01	0.00	32	3.90	-0.01	0.00	0.00	0.00	0.00	0.00
26	3.90	0.00	0.00	0.00	0.00	0.00	0.00	33	3.90	0.00	0.00	0.00	0.00	0.00	0.00
27	3.90	0.00	0.00	0.00	0.00	0.00	0.00	34	3.90	0.00	0.00	0.00	0.00	0.00	0.00
15	4.15	-0.03	-0.06	-0.01	-0.10	-0.10	0.01	22	3.90	0.03	0.06	0.01	0.47	-0.07	-0.01
16	4.15	-0.03	-0.09	-0.29	0.16	-0.11	0.02	23	3.90	0.03	0.09	0.29	0.36	-0.08	-0.02
17	4.15	-0.03	-0.13	0.02	0.28	-0.11	0.02	24	3.90	0.03	0.13	-0.02	0.49	-0.08	-0.02
18	4.15	-0.03	-0.10	-0.29	0.21	-0.11	0.02	25	3.90	0.03	0.10	0.29	0.36	-0.08	-0.02
19	4.15	-0.03	-0.06	0.00	-0.10	-0.10	0.01	26	3.90	0.03	0.06	0.00	0.47	-0.07	-0.01
20	4.15	-0.03	-0.04	-0.17	0.08	-0.11	0.02	27	3.90	0.03	0.04	0.17	0.17	-0.07	-0.02
9	4.15	0.01	-0.06	-0.01	0.26	-0.02	0.01	15	4.15	-0.01	0.06	0.01	0.10	0.10	-0.01
10	4.15	0.01	-0.07	0.59	0.22	-0.03	0.00	16	4.15	-0.01	0.07	-0.59	0.19	0.08	0.00
11	4.15	0.01	-0.05	0.56	0.13	-0.03	0.00	18	4.15	-0.01	0.05	-0.56	0.13	0.08	0.00
12	4.15	0.01	-0.06	0.00	0.27	-0.02	0.01	19	4.15	-0.01	0.06	0.00	0.10	0.10	-0.01
13	4.15	0.01	-0.03	0.28	0.11	-0.03	0.00	20	4.15	-0.01	0.03	-0.28	0.10	0.08	0.00
2	3.90	0.04	-0.18	1.13	0.50	0.06	-0.02	9	4.15	-0.04	0.18	-1.13	0.20	0.08	0.02
3	3.90	0.04	-0.13	1.47	0.37	0.08	-0.02	10	4.15	-0.04	0.13	-1.47	0.13	0.09	0.02
5	3.90	0.04	-0.16	1.42	0.39	0.08	-0.02	11	4.15	-0.04	0.16	-1.42	0.21	0.09	0.02
6	3.90	0.04	-0.18	1.14	0.50	0.08	-0.02	12	4.15	-0.04	0.18	-1.14	0.19	0.08	0.02
7	3.90	0.04	-0.07	0.73	0.19	0.08	-0.02	13	4.15	-0.04	0.07	-0.73	0.07	0.08	0.02
36	3.90	0.01	0.00	0.00	0.00	0.00	0.00	2	3.90	-0.01	0.00	0.00	0.00	0.01	0.00
37	3.90	0.00	0.00	0.00	0.00	0.00	0.00	3	3.90	0.00	0.00	0.00	0.00	0.00	0.00
38	3.90	0.00	0.00	0.00	0.00	0.00	0.00	4	3.90	0.00	0.00	0.00	0.00	0.00	0.00
39	3.90	-0.02	0.00	0.00	0.00	0.00	0.00	5	3.90	0.02	0.00	0.00	0.00	-0.02	0.00
40	3.90	-0.01	0.00	0.00	0.00	0.00	0.00	6	3.90	0.01	0.00	0.00	0.00	-0.01	0.00
41	3.90	-0.01	0.00	0.00	0.00	0.00	0.00	7	3.90	0.01	0.00	0.00	0.00	-0.01	0.00
4	3.90	0.03	-0.12	1.15	0.50	0.07	-0.01	42	4.15	-0.03	0.12	-1.15	-0.06	0.06	0.01
21	3.90	0.00	0.00	0.93	0.00	0.00	0.00	22	3.90	0.00	0.00	-0.93	0.00	0.00	0.00
1	3.90	0.00	0.00	1.42	0.00	0.00	0.00	2	3.90	0.00	0.00	-1.42	0.00	0.00	0.00
2	3.90	0.00	0.00	1.05	0.00	0.00	0.00	3	3.90	0.00	0.00	-1.05	0.00	0.00	0.00
3	3.90	0.00	0.00	0.70	0.00	0.00	0.00	4	3.90	0.00	0.00	-0.70	0.00	0.00	0.00
4	3.90	0.00	0.00	0.35	0.00	0.00	0.00	5	3.90	0.00	0.00	-0.35	0.00	0.00	0.00
5	3.90	0.00	0.00	0.03	0.00	0.00	0.00	6	3.90	0.00	0.00	-0.03	0.00	0.00	0.00
6	3.90	0.00	0.00	-0.30	0.00	0.00	0.00	7	3.90	0.00	0.00	0.30	0.00	0.00	0.00
8	4.15	0.00	0.00	2.79	0.00	0.00	0.00	9	4.15	0.00	0.00	-2.79	0.00	0.00	0.00
9	4.15	0.00	0.00	1.96	0.00	0.00	0.00	10	4.15	0.00	0.00	-1.96	0.00	0.00	0.00
11	4.15	0.00	0.00	0.37	0.00	0.00	0.00	12	4.15	0.00	0.00	-0.37	0.00	0.00	0.00
12	4.15	0.00	0.00	-0.43	0.00	0.00	0.00	13	4.15	0.00	0.00	0.43	0.00	0.00	0.00
14	4.15	0.00	0.00	2.64	0.00	0.00	0.00	15	4.15	0.00	0.00	-2.64	0.00	0.00	0.00
15	4.15	0.00	0.00	2.60	0.00	0.00	0.00	16	4.15	0.00	0.00	-2.60	0.00	0.00	0.00
16	4.15	0.00	0.00	1.64	0.00	0.00	0.00	17	4.15	0.00	0.00	-1.64	0.00	0.00	0.00
17	4.15	0.00	0.00	0.69	0.00	0.00	0.00	18	4.15	0.00	0.00	-0.69	0.00	0.00	0.00
18	4.15	0.00	0.00	-0.25	0.00	0.00	0.00	19	4.15	0.00	0.00	0.25	0.00	0.00	0.00
19	4.15	0.00	0.00	-0.29	0.00	0.00	0.00	20	4.15	0.00	0.00	0.29	0.00	0.00	0.00
22	3.90	0.00	0.00	0.66	0.00	0.00	0.00	23	3.90	0.00	0.00	-0.66	0.00	0.00	0.00
23	3.90	0.00	0.00	0.40	0.00	0.00	0.00	24	3.90	0.00	0.00	-0.40	0.00	0.00	0.00
24	3.90	0.00	0.00	0.15	0.00	0.00	0.00	25	3.90	0.00	0.00	-0.15	0.00	0.00	0.00
25	3.90	0.00	0.00	-0.10	0.00	0.00	0.00	26	3.90	0.00	0.00	0.10	0.00	0.00	0.00
26	3.90	0.00	0.00	-0.36	0.00	0.00	0.00	27	3.90	0.00	0.00	0.36	0.00	0.00	0.00
35	3.90	0.00	0.00	0.03	0.00	0.00	0.00	36	3.90	0.00	0.00	-0.03	0.00	0.00	0.00
36	3.90	0.00	0.00	0.04	0.00	0.00	0.00	37	3.90	0.00	0.00	-0.04	0.00	0.00	0.00
37	3.90	0.00	0.00	0.04	0.00	0.00	0.00	38	3.90	0.00	0.00	-0.04	0.00	0.00	0.00
38	3.90	0.00	0.00	0.04	0.00	0.00	0.00	39	3.90	0.00	0.00	-0.04	0.00	0.00	0.00
39	3.90	0.00	0.00	0.02	0.00	0.00	0.00	40	3.90	0.00	0.00	-0.02	0.00	0.00	0.00
40	3.90	0.00	0.00	0.01	0.00	0.00	0.00	41	3.90	0.00	0.00	-0.01	0.00	0.00	0.00
28	3.90	0.00	0.00	0.01	0.00	0.00	0.00	29	3.90	0.00	0.00	-0.01	0.00	0.00	0.00
29	3.90	0.00	0.00	0.02	0.00	0.00	0.00	30	3.90	0.00	0.00	-0.02	0.00	0.00	0.00
30	3.90	0.00	0.00	0.01	0.00	0.00	0.00	31	3.90	0.00	0.00	-0.01	0.00	0.00	0.00
31	3.90	0.00	0.00	0.01	0.00	0.00	0.00	32	3.90	0.00	0.00	-0.01	0.00	0.00	0.00
32	3.90	0.00	0.00	0.00	0.00	0.00	0.00	33	3.90	0.00	0.00	0.00	0.00	0.00	0.00
33	3.90	0.00	0.00	0.00	0.00	0.00	0.00	34	3.90	0.00	0.00	0.00	0.00	0.00	0.00
42	4.15	0.00	-0.04	1.16	0.06	-0.06	-0.01	17	4.15	0.00	0.04	-1.16	0.17	0.07	0.01
10	4.15	0.00	0.00	1.17	0.00	0.00	0.00	42	4.15	0.00	0.00	-1.17	0.00	0.00	0.00
42	4.15	0.00	0.00	1.14	0.00	0.00	0.00	11	4.15	0.00	0.00	-1.14	0.00	0.00	0.00
4	0.00	0.00	-1.23	0.00	3.96	0.00	0.04	44	0.00	0.00	1.32	0.00	-2.66	0.00	-0.04
43	0.00	0.00	-0.10	0.00	0.12	0.00	-0.01	44	0.00	0.00	-0.21	0.00	-0.29	0.00	-0.01
44	0.00	0.00	-0.18	0.00	0.34	0.00	-0.02	45	0.00	0.00	0.22	0.00	0.18	0.00	0.00
3	0.00	0.00	-0.99	0.00	2.94	0.00	0.02	43	0.00	0.00	1.10	0.00	-1.87	0.00	-0.02
5	0.00	0.00	-1.03	0.00	3.11	0.00	0.05	45	0.00	0.00	1.27	0.00	-1.95	0.00	-0.05
46	0.00	0.00	-0.46	0.00	-0.44	0.00	-0.04	21	0.00	0.00	0.59	0.00	1.49	0.00	0.05
47	0.00	0.00	-1.16	0.00	-1.43	0.00	-0.01	22	0.00	0.00	1.17	0.00	3.77	0.00	0.02
48	0.00	0.00	-0.89	0.00	-1.19	0.00	-0.01	23	0.00	0.00	0.82	0.00	2.92	0.00	0.01
49	0.00	0.00	-1.29	0.00	-1.40	0.00	-0.01	24	0.00	0.00	1.22	0.00	3.88	0.00	0.01
50	0.00	0.00	-0.82	0.00	-1.35	0.00	-0.02	25	0.00	0.00	0.75	0.00	2.93	0.00	0.02
51	0.00	0.00	-1.24	0.00	-1.19	0.00	-0.01	26	0.00	0.00	1.33	0.00	3.77	0.00	0.01
52	0.00	0.00	-0.39	0.00	-1.10	0.00	-0.01	27	0.00	0.00	-0.06	0.00	1.50	0.00	0.03
46	0.00	0.00	0.08	0.00	0.14	0.00	0.00	47	0.00	0.00	0.31	0.00	0.26	0.00	0.00
47	0.00	0.00	0.27	0.00	-0.28	0.00	0.00	48	0.00	0.00	0.08	0.00	0.00	0.00	0.00
48	0.00	0.00	0.06	0.00	0.03	0.00	0.00	49	0.00	0.00	0.14	0.00	0.13	0.00	0.00
49	0.00	0.00	0.14	0.00	-0.10	0.00	0.00	50	0.00	0.00	-0.02	0.00	-0.18	0.00	0.00
50	0.00	0.00	-0.07	0.00	0.23	0.00	0.00	51	0.00	0.00	0.45	0.00	0.58	0.00	-0.01
51	0.00	0.00	0.34	0.00	-0.62	0.00	0.00	52	0.00	0.00	-0.11	0.00	0.07	0.00	0.00

CARATT. permanenti compiutam: ASTE

Tratto	Filo In.	Alt. (m)	Tx (kN*10)	Ty (kN*10)	N (kN*10)	Mx kN*m*10	My kN*m*10	Mt kN*m*10	Filo N.ro	Alt. (m)	Tx (kN*10)	Ty (kN*10)	N (kN*10)	Mx kN*m*10	My kN*m*10	Mt kN*m*10
1	0.00	0.00	-0.33	0.00	-0.02	0.00	0.00	2	0.00	0.00	-0.54	0.00	-0.37	0.00	-0.02
1	0.00	0.00	0.32	0.00	-0.02	0.00	-0.01	8	0.00	0.00	0.27	0.00	0.06	0.00	0.00
2	0.00	0.00	0.98	0.00	0.01	0.00	0.00	9	0.00	0.00	1.23	0.00	0.65	0.00	0.01
43	0.00	0.00	0.52	0.00	0.25	0.00	-0.06	10	0.00	0.00	0.38	0.00	-0.31	0.00	0.07
44	0.00	0.00	1.09	0.00	-0.35	0.00	0.00	17	0.00	0.00	1.06	0.00	0.93	0.00	0.00
45	0.00	0.00	0.52	0.00	0.25	0.00	0.06	11	0.00	0.00	0.38	0.00	-0.31	0.00	-0.07
6	0.00	0.00	0.98	0.00	0.01	0.00	0.00	12	0.00	0.00	1.23	0.00	0.65	0.00	-0.01

7	0.00	0.00	0.32	0.00	-0.02	0.00	0.01	13	0.00	0.00	0.27	0.00	0.06	0.00	0.00
8	0.00	0.00	0.23	0.00	-0.10	0.00	0.00	14	0.00	0.00	0.25	0.00	0.14	0.00	0.00
9	0.00	0.00	1.14	0.00	-0.72	0.00	0.00	15	0.00	0.00	1.11	0.00	0.67	0.00	0.01
10	0.00	0.00	0.51	0.00	0.21	0.00	0.03	16	0.00	0.00	1.04	0.00	0.80	0.00	-0.01
11	0.00	0.00	0.51	0.00	0.21	0.00	-0.03	18	0.00	0.00	1.04	0.00	0.80	0.00	0.01
12	0.00	0.00	1.14	0.00	-0.72	0.00	0.00	19	0.00	0.00	1.11	0.00	0.67	0.00	-0.01
13	0.00	0.00	0.23	0.00	-0.10	0.00	0.00	20	0.00	0.00	0.25	0.00	0.14	0.00	0.00
14	0.00	0.00	0.26	0.00	-0.11	0.00	0.00	46	0.00	0.00	0.20	0.00	-0.02	0.00	-0.01
15	0.00	0.00	1.05	0.00	-0.67	0.00	0.01	47	0.00	0.00	0.74	0.00	0.11	0.00	0.00
16	0.00	0.00	0.98	0.00	-0.64	0.00	0.00	48	0.00	0.00	0.69	0.00	0.10	0.00	0.00
17	0.00	0.00	1.05	0.00	-0.79	0.00	0.00	49	0.00	0.00	0.66	0.00	0.11	0.00	0.00
18	0.00	0.00	0.98	0.00	-0.64	0.00	0.00	50	0.00	0.00	0.69	0.00	0.10	0.00	0.00
19	0.00	0.00	1.05	0.00	-0.67	0.00	-0.01	51	0.00	0.00	0.74	0.00	0.11	0.00	0.00
20	0.00	0.00	0.26	0.00	-0.11	0.00	0.00	52	0.00	0.00	0.20	0.00	-0.02	0.00	0.01
2	0.00	0.00	-0.46	0.00	0.38	0.00	-0.01	3	0.00	0.00	-0.37	0.00	-0.27	0.00	-0.01
3	0.00	0.00	-0.38	0.00	0.26	0.00	-0.01	4	0.00	0.00	-0.16	0.00	0.06	0.00	-0.01
4	0.00	0.00	-0.16	0.00	-0.06	0.00	-0.01	5	0.00	0.00	-0.38	0.00	-0.26	0.00	-0.01
5	0.00	0.00	-0.37	0.00	0.27	0.00	-0.01	6	0.00	0.00	-0.46	0.00	-0.38	0.00	-0.01
6	0.00	0.00	-0.54	0.00	0.37	0.00	-0.02	7	0.00	0.00	-0.33	0.00	0.02	0.00	0.00
8	0.00	0.00	-0.49	0.00	-0.07	0.00	0.00	9	0.00	0.00	-1.11	0.00	-0.89	0.00	-0.01
9	0.00	0.00	-1.22	0.00	0.84	0.00	0.00	10	0.00	0.00	-0.85	0.00	-0.03	0.00	-0.01
11	0.00	0.00	-0.85	0.00	0.03	0.00	-0.01	12	0.00	0.00	-1.22	0.00	-0.84	0.00	0.00
12	0.00	0.00	-1.11	0.00	0.89	0.00	-0.01	13	0.00	0.00	-0.49	0.00	0.07	0.00	0.00
14	0.00	0.00	-0.50	0.00	-0.07	0.00	0.00	15	0.00	0.00	-1.09	0.00	-0.83	0.00	0.01
15	0.00	0.00	-1.07	0.00	0.82	0.00	0.00	16	0.00	0.00	-0.99	0.00	-0.63	0.00	0.01
16	0.00	0.00	-1.04	0.00	0.63	0.00	0.00	17	0.00	0.00	-1.04	0.00	-0.63	0.00	0.01
17	0.00	0.00	-1.04	0.00	0.63	0.00	0.01	18	0.00	0.00	-1.04	0.00	-0.63	0.00	0.00
18	0.00	0.00	-0.99	0.00	0.63	0.00	0.01	19	0.00	0.00	-1.07	0.00	-0.82	0.00	0.00
19	0.00	0.00	-1.09	0.00	0.83	0.00	0.01	20	0.00	0.00	-0.50	0.00	0.07	0.00	0.00
21	0.00	0.00	-0.29	0.00	-0.02	0.00	0.00	22	0.00	0.00	-0.43	0.00	-0.24	0.00	0.01
22	0.00	0.00	-0.38	0.00	0.25	0.00	0.01	23	0.00	0.00	-0.39	0.00	-0.26	0.00	0.01
23	0.00	0.00	-0.40	0.00	0.25	0.00	0.01	24	0.00	0.00	-0.39	0.00	-0.24	0.00	0.01
24	0.00	0.00	-0.39	0.00	0.24	0.00	0.01	25	0.00	0.00	-0.40	0.00	-0.25	0.00	0.01
25	0.00	0.00	-0.39	0.00	0.26	0.00	0.01	26	0.00	0.00	-0.38	0.00	-0.25	0.00	0.01
26	0.00	0.00	-0.43	0.00	0.24	0.00	0.01	27	0.00	0.00	-0.29	0.00	0.02	0.00	0.00
1	3.90	-0.01	-0.03	0.01	0.00	0.00	0.00	1	0.00	0.01	0.03	-0.01	0.10	-0.02	0.00
2	3.90	0.00	-0.06	0.02	0.00	0.00	0.00	2	0.00	0.00	0.06	-0.02	0.21	0.00	0.00
3	3.90	0.00	-0.08	0.03	0.00	0.00	0.00	3	0.00	0.00	0.08	-0.03	0.29	-0.01	0.00
4	3.90	0.00	-0.09	0.01	0.00	0.00	0.00	4	0.00	0.00	0.09	-0.01	0.32	0.00	0.00
5	3.90	0.00	-0.08	0.03	0.00	0.00	0.00	5	0.00	0.00	0.08	-0.03	0.29	0.01	0.00
6	3.90	0.00	-0.06	0.02	0.00	0.00	0.00	6	0.00	0.00	0.06	-0.02	0.21	0.00	0.00
7	3.90	0.01	-0.03	0.01	0.00	0.00	0.00	7	0.00	-0.01	0.03	-0.01	0.10	0.02	0.00
8	4.15	0.00	-0.01	-0.01	0.00	0.00	0.00	8	0.00	0.00	0.01	0.01	0.03	0.00	0.00
9	4.15	0.00	-0.01	-0.03	0.00	0.00	0.00	9	0.00	0.00	0.01	0.03	0.04	0.02	0.00
10	4.15	0.01	-0.03	-0.05	0.00	-0.01	0.00	10	0.00	-0.01	0.03	0.05	0.12	0.06	0.00
11	4.15	-0.01	-0.03	-0.05	0.00	0.01	0.00	11	0.00	0.01	0.03	0.05	0.12	-0.06	0.00
12	4.15	0.00	-0.01	-0.03	0.00	0.00	0.00	12	0.00	0.00	0.01	0.03	0.04	-0.02	0.00
13	4.15	0.00	-0.01	-0.01	0.00	0.00	0.00	13	0.00	0.00	0.01	0.01	0.03	0.00	0.00
14	4.15	0.00	0.01	0.00	0.00	0.00	0.00	14	0.00	0.00	-0.01	0.00	-0.04	0.00	0.00
16	4.15	0.00	0.04	0.00	0.00	0.00	0.00	16	0.00	0.00	-0.04	0.00	-0.17	0.00	0.00
17	4.15	0.00	0.03	-0.03	0.00	0.00	0.00	17	0.00	0.00	-0.03	0.03	-0.13	0.00	0.00
18	4.15	0.00	0.04	0.00	0.00	0.00	0.00	18	0.00	0.00	-0.04	0.00	-0.17	0.00	0.00
20	4.15	0.00	0.01	0.00	0.00	0.00	0.00	20	0.00	0.00	-0.01	0.00	-0.04	0.00	0.00
21	3.90	-0.01	0.03	0.01	0.00	0.00	0.00	21	0.00	0.01	-0.03	-0.01	-0.10	-0.02	0.00
22	3.90	0.00	0.07	0.01	0.00	0.00	0.00	22	0.00	0.00	-0.07	-0.01	-0.24	0.00	0.00
23	3.90	0.00	0.07	0.01	0.00	0.00	0.00	23	0.00	0.00	-0.07	-0.01	-0.25	0.00	0.00
24	3.90	0.00	0.06	0.02	0.00	0.00	0.00	24	0.00	0.00	-0.06	-0.02	-0.20	0.00	0.00
25	3.90	0.00	0.07	0.01	0.00	0.00	0.00	25	0.00	0.00	-0.07	-0.01	-0.25	0.00	0.00
26	3.90	0.00	0.07	0.01	0.00	0.00	0.00	26	0.00	0.00	-0.07	-0.01	-0.24	0.00	0.00
27	3.90	0.01	0.03	0.01	0.00	0.00	0.00	27	0.00	-0.01	-0.03	-0.01	-0.10	0.02	0.00
1	3.90	0.00	0.01	0.03	-0.01	0.00	0.00	8	4.15	0.00	-0.01	-0.03	-0.02	0.00	0.00
8	4.15	0.00	0.00	0.04	0.01	0.00	0.00	14	4.15	0.00	0.00	-0.04	-0.01	0.00	0.00
14	4.15	0.00	0.00	0.03	0.01	0.00	0.00	21	3.90	0.00	0.00	-0.03	0.01	0.00	0.00
21	3.90	0.00	0.00	0.00	0.00	0.00	0.00	28	3.90	0.00	0.00	0.00	0.00	0.00	0.00
35	3.90	0.00	0.00	0.00	0.00	0.00	0.00	1	3.90	0.00	0.00	0.00	0.00	0.00	0.00
22	3.90	0.00	0.00	0.00	0.00	0.00	0.00	29	3.90	0.00	0.00	0.00	0.00	0.00	0.00
23	3.90	0.00	0.00	0.00	0.00	0.00	0.00	30	3.90	0.00	0.00	0.00	0.00	0.00	0.00
24	3.90	0.00	0.00	0.00	0.00	0.00	0.00	31	3.90	0.00	0.00	0.00	0.00	0.00	0.00
25	3.90	0.00	0.00	0.00	0.00	0.00	0.00	32	3.90	0.00	0.00	0.00	0.00	0.00	0.00
26	3.90	0.00	0.00	0.00	0.00	0.00	0.00	33	3.90	0.00	0.00	0.00	0.00	0.00	0.00
27	3.90	0.00	0.00	0.00	0.00	0.00	0.00	34	3.90	0.00	0.00	0.00	0.00	0.00	0.00
15	4.15	0.00	0.00	0.07	0.00	0.00	0.00	22	3.90	0.00	0.00	-0.07	0.03	0.00	0.00
16	4.15	0.00	-0.01	0.07	0.02	0.00	0.00	23	3.90	0.00	0.01	-0.07	0.03	0.00	0.00
17	4.15	0.00	-0.01	0.06	0.06	0.00	0.00	24	3.90	0.00	0.01	-0.06	0.02	0.00	0.00
18	4.15	0.00	-0.01	0.07	0.02	0.00	0.00	25	3.90	0.00	0.01	-0.07	0.03	0.00	0.00
19	4.15	0.00	0.00	0.07	0.00	0.00	0.00	26	3.90	0.00	0.00	-0.07	0.03	0.00	0.00
20	4.15	0.00	0.00	0.03	0.01	0.00	0.00	27	3.90	0.00	0.00	-0.03	0.01	0.00	0.00
9	4.15	0.00	-0.01	0.07	0.04	0.00	0.00	15	4.15	0.00	0.01	-0.07	0.00	0.00	0.00
10	4.15	0.00	-0.01	0.11	0.06	0.00	0.00	16	4.15	0.00	0.01	-0.11	0.00	0.00	0.00
11	4.15	0.00	-0.01	0.11	0.06	0.00	0.00	18	4.15	0.00	0.01	-0.11	0.00	0.00	0.00
12	4.15	0.00	-0.01	0.07	0.04	0.00	0.00	19	4.15	0.00	0.01	-0.07	0.00	0.00	0.00
13	4.15	0.00	0.00	0.04	0.01	0.00	0.00	20	4.15	0.00	0.00	-0.04	-0.01	0.00	0.00
2	3.90	0.00	0.02	0.06	-0.02	0.00	0.00	9	4.15	0.00	-0.02	-0.06	-0.05	0.00	0.00
3	3.90	0.00	0.03	0.08	-0.03	0.00	0.00	10	4.15	0.00	-0.03	-0.08	-0.08	0.00	0.00
5	3.90	0.00	0.03	0.08	-0.03	0.00	0.00	11	4.15	0.00	-0.03	-0.08	-0.08	0.00	0.00
6	3.90	0.00	0.02	0.06	-0.02	0.00	0.00	12	4.15	0.00	-0.02	-0.06	-0.05	0.00	0.00
7	3.90	0.00	0.01	0.03	-0.01	0.00	0.00	13	4.15	0.00	-0.01	-0.03	-0.02	0.00	0.00
36	3.90	0.00	0.00	0.00	0.00	0.00	0.00	2	3.90	0.00	0.00	0.00	0.00	0.00	0.00
37	3.90	0.00	0.00	0.00	0.00	0.00	0.00	3	3.90	0.00	0.00	0.00	0.00	0.00	0.00
38	3.90	0.00	0.00	0.00	0.00	0.00	0.00	4	3.90	0.00	0.00	0.00	0.00	0.00	0.00
39	3.90	0.00	0.00	0.00	0.00	0.00	0.00	5	3.90	0.00	0.00	0.00	0.00	0.00	0.00
40	3.90	0.00	0.00	0.00	0.00	0.00	0.00	6	3.90	0.00	0.00	0.00	0.00	0.00	0.00
41	3.90	0.00	0.00	0.00	0.00	0.00	0.00	7	3.90	0.00	0.00	0.00	0.00	0.00	0.00
4	3.90	0.00	0.00	0.09	-0.04	0.00	0.00	42	4.15	0.00	0.00	-0.09	0.02	0.00	0.00
21	3.90	0.00	0.00	-0.01	0.00	0.00	0.00	22	3.90	0.00	0.00	0.01	0.00	0.00	0.00
1	3.90	0.00	0.00	0.00	0.00	0.00	0.00	2	3.90	0.00	0.00	0.00	0.00	0.00	0.00
2	3.90	0.00	0.00	0.00	0.00	0.00	0.00	3	3.90	0.00	0.00	0.00	0.00	0.00	0.00
3	3.90	0.00	0.00	-0.01	0.00	0.00	0.00	4	3.90	0.00	0.00	0.01	0.00	0.00	0.00
4	3.90	0.00	0.00	-0.01	0.00	0.00	0.00	5	3.90	0.00	0.00	0.01	0.00	0.00	0.00
5	3.90	0.00	0.00	0.00	0.00	0.00	0.00	6	3.90	0.00	0.00	0.00	0.00	0.00	0.00
6	3.90	0.00	0.00	0.00	0.00	0.00	0.00	7	3.90	0.00	0.00	0.00	0.00	0.00	0.00
8	4.15	0.00	0.00	0.00	0.00	0.00	0.00	9	4.15	0.00	0.00	0.00	0.00	0.00	0.00
9	4.15	0.00	0.00	0.00	0.00	0.00	0.00	10	4.15	0.00	0.00	0.00	0.00	0.00	0.00
11	4.15	0.00	0.00	0.00	0.00	0.00	0.00	12	4.15	0.00	0.00	0.00	0.00	0.00	0.00
12	4.15	0.00	0.00	0.00	0.00	0.00	0.00	13	4.15	0.00	0.00	0.00	0.00	0.00	0.00
14	4.15	0.00	0.00	0.00	0.00	0.00	0.00	15	4.15	0.00	0.00	0.00	0.00	0.00	0.00
15	4.15	0.00	0.00	0.00	0.00	0.00	0.00	16	4.15	0.00	0.00	0.00	0.00	0.00	0.00
16	4.15	0.00	0.00	0.00	0.00	0.00	0.00	17	4.15	0.00	0.00	0.00	0.00	0.00	0.00
17	4.15	0.00	0.00	0.00	0.00	0.00	0.00	18	4.15	0.00	0.00	0.00	0.00	0.00	0.00
18	4.15	0.00	0.00	0.00	0.00	0.00	0.00	19	4.15	0.00	0.00	0.00	0.00	0.00	0.00
19	4.15	0.00	0.00	0.00	0.00	0.00	0.00	20	4.15	0.00	0.00	0.00	0.00	0.00	0.00
22	3.90	0.00	0.00	0.00	0.00	0.00	0.00	23	3.90	0.00	0.00	0.00	0.00	0.00	0.00
23	3.90	0.00	0.00	0.00	0.00	0.00	0.00	24	3.90	0.00	0.00	0.00	0.00	0.00	0.00

24	3.90	0.00	0.00	0.00	0.00	0.00	0.00	25	3.90	0.00	0.00	0.00	0.00	0.00	0.00
25	3.90	0.00	0.00	0.00	0.00	0.00	0.00	26	3.90	0.00	0.00	0.00	0.00	0.00	0.00
26	3.90	0.00	0.00	-0.01	0.00	0.00	0.00	27	3.90	0.00	0.00	0.01	0.00	0.00	0.00
35	3.90	0.00	0.00	0.00	0.00	0.00	0.00	36	3.90	0.00	0.00	0.00	0.00	0.00	0.00
36	3.90	0.00	0.00	0.00	0.00	0.00	0.00	37	3.90	0.00	0.00	0.00	0.00	0.00	0.00
37	3.90	0.00	0.00	0.00	0.00	0.00	0.00	38	3.90	0.00	0.00	0.00	0.00	0.00	0.00
38	3.90	0.00	0.00	0.00	0.00	0.00	0.00	39	3.90	0.00	0.00	0.00	0.00	0.00	0.00
39	3.90	0.00	0.00	0.00	0.00	0.00	0.00	40	3.90	0.00	0.00	0.00	0.00	0.00	0.00
40	3.90	0.00	0.00	0.00	0.00	0.00	0.00	41	3.90	0.00	0.00	0.00	0.00	0.00	0.00
28	3.90	0.00	0.00	0.00	0.00	0.00	0.00	29	3.90	0.00	0.00	0.00	0.00	0.00	0.00
29	3.90	0.00	0.00	0.00	0.00	0.00	0.00	30	3.90	0.00	0.00	0.00	0.00	0.00	0.00
30	3.90	0.00	0.00	0.00	0.00	0.00	0.00	31	3.90	0.00	0.00	0.00	0.00	0.00	0.00
31	3.90	0.00	0.00	0.00	0.00	0.00	0.00	32	3.90	0.00	0.00	0.00	0.00	0.00	0.00
32	3.90	0.00	0.00	0.00	0.00	0.00	0.00	33	3.90	0.00	0.00	0.00	0.00	0.00	0.00
33	3.90	0.00	0.00	0.00	0.00	0.00	0.00	34	3.90	0.00	0.00	0.00	0.00	0.00	0.00
42	4.15	0.00	0.01	0.09	-0.02	0.00	0.00	17	4.15	0.00	-0.01	-0.09	-0.05	0.00	0.00
10	4.15	0.00	0.00	0.02	0.00	0.00	0.00	42	4.15	0.00	0.00	-0.02	0.00	0.00	0.00
42	4.15	0.00	0.00	0.02	0.00	0.00	0.00	11	4.15	0.00	0.00	-0.02	0.00	0.00	0.00
4	0.00	0.00	0.30	0.00	-0.28	0.00	0.00	44	0.00	0.00	0.59	0.00	0.44	0.00	0.00
43	0.00	0.00	-0.61	0.00	0.09	0.00	-0.01	44	0.00	0.00	-0.84	0.00	-0.59	0.00	-0.02
44	0.00	0.00	-0.84	0.00	0.59	0.00	-0.02	45	0.00	0.00	-0.61	0.00	-0.09	0.00	-0.01
3	0.00	0.00	0.72	0.00	-0.13	0.00	0.02	43	0.00	0.00	0.10	0.00	-0.16	0.00	-0.03
5	0.00	0.00	0.72	0.00	-0.13	0.00	-0.02	45	0.00	0.00	0.10	0.00	-0.16	0.00	0.03
46	0.00	0.00	0.21	0.00	0.03	0.00	0.00	21	0.00	0.00	0.29	0.00	0.03	0.00	-0.01
47	0.00	0.00	0.78	0.00	-0.10	0.00	0.01	22	0.00	0.00	0.80	0.00	0.06	0.00	0.00
48	0.00	0.00	0.74	0.00	-0.08	0.00	0.00	23	0.00	0.00	0.78	0.00	0.07	0.00	0.00
49	0.00	0.00	0.76	0.00	-0.07	0.00	0.00	24	0.00	0.00	0.77	0.00	0.03	0.00	0.00
50	0.00	0.00	0.74	0.00	-0.08	0.00	0.00	25	0.00	0.00	0.78	0.00	0.07	0.00	0.00
51	0.00	0.00	0.78	0.00	-0.10	0.00	-0.01	26	0.00	0.00	0.80	0.00	0.06	0.00	0.00
52	0.00	0.00	0.21	0.00	0.03	0.00	0.00	27	0.00	0.00	0.29	0.00	0.03	0.00	0.01
46	0.00	0.00	-0.41	0.00	-0.06	0.00	0.00	47	0.00	0.00	-0.78	0.00	-0.55	0.00	0.01
47	0.00	0.00	-0.74	0.00	0.55	0.00	0.00	48	0.00	0.00	-0.70	0.00	-0.45	0.00	0.01
48	0.00	0.00	-0.73	0.00	0.45	0.00	0.01	49	0.00	0.00	-0.71	0.00	-0.42	0.00	0.00
49	0.00	0.00	-0.71	0.00	0.42	0.00	0.00	50	0.00	0.00	-0.73	0.00	-0.45	0.00	0.01
50	0.00	0.00	-0.70	0.00	0.45	0.00	0.01	51	0.00	0.00	-0.74	0.00	-0.55	0.00	0.00
51	0.00	0.00	-0.78	0.00	0.55	0.00	0.01	52	0.00	0.00	-0.41	0.00	0.06	0.00	0.00

CARATT. accidentale scuole: ASTE

Tratto	Filo In.	Alt. (m)	Tx (kN*10)	Ty (kN*10)	N (kN*10)	Mx kN*m*10	My kN*m*10	Mt kN*m*10	Filo N.ro	Alt. (m)	Tx (kN*10)	Ty (kN*10)	N (kN*10)	Mx kN*m*10	My kN*m*10	Mt kN*m*10
1	0.00	0.00	-0.33	0.00	-0.02	0.00	0.00	2	0.00	0.00	-0.54	0.00	-0.37	0.00	-0.02
1	0.00	0.00	0.32	0.00	-0.02	0.00	-0.01	8	0.00	0.00	0.27	0.00	0.06	0.00	0.00
2	0.00	0.00	0.98	0.00	0.01	0.00	0.00	9	0.00	0.00	1.23	0.00	0.65	0.00	0.01
43	0.00	0.00	0.52	0.00	0.25	0.00	-0.06	10	0.00	0.00	0.38	0.00	-0.31	0.00	0.07
44	0.00	0.00	1.09	0.00	-0.35	0.00	0.00	17	0.00	0.00	1.06	0.00	0.93	0.00	0.00
45	0.00	0.00	0.52	0.00	0.25	0.00	0.06	11	0.00	0.00	0.38	0.00	-0.31	0.00	-0.07
6	0.00	0.00	0.98	0.00	0.01	0.00	0.00	12	0.00	0.00	1.23	0.00	0.65	0.00	-0.01
7	0.00	0.00	0.32	0.00	-0.02	0.00	0.01	13	0.00	0.00	0.27	0.00	0.06	0.00	0.00
8	0.00	0.00	0.23	0.00	-0.10	0.00	0.00	14	0.00	0.00	0.25	0.00	0.14	0.00	0.00
9	0.00	0.00	1.14	0.00	-0.72	0.00	0.00	15	0.00	0.00	1.11	0.00	0.67	0.00	0.01
10	0.00	0.00	0.51	0.00	0.21	0.00	0.03	16	0.00	0.00	1.04	0.00	0.80	0.00	-0.01
11	0.00	0.00	0.51	0.00	0.21	0.00	-0.03	18	0.00	0.00	1.04	0.00	0.80	0.00	0.01
12	0.00	0.00	1.14	0.00	-0.72	0.00	0.00	19	0.00	0.00	1.11	0.00	0.67	0.00	-0.01
13	0.00	0.00	0.23	0.00	-0.10	0.00	0.00	20	0.00	0.00	0.25	0.00	0.14	0.00	0.00
14	0.00	0.00	0.26	0.00	-0.11	0.00	0.00	46	0.00	0.00	0.20	0.00	-0.02	0.00	-0.01
15	0.00	0.00	1.05	0.00	-0.67	0.00	0.01	47	0.00	0.00	0.74	0.00	0.11	0.00	0.00
16	0.00	0.00	0.98	0.00	-0.64	0.00	0.00	48	0.00	0.00	0.69	0.00	0.10	0.00	0.00
17	0.00	0.00	1.05	0.00	-0.79	0.00	0.00	49	0.00	0.00	0.66	0.00	0.11	0.00	0.00
18	0.00	0.00	0.98	0.00	-0.64	0.00	0.00	50	0.00	0.00	0.69	0.00	0.10	0.00	0.00
19	0.00	0.00	1.05	0.00	-0.67	0.00	-0.01	51	0.00	0.00	0.74	0.00	0.11	0.00	0.00
20	0.00	0.00	0.26	0.00	-0.11	0.00	0.00	52	0.00	0.00	0.20	0.00	-0.02	0.00	0.01
2	0.00	0.00	-0.46	0.00	0.38	0.00	-0.01	3	0.00	0.00	-0.37	0.00	-0.27	0.00	-0.01
3	0.00	0.00	-0.38	0.00	0.26	0.00	-0.01	4	0.00	0.00	-0.16	0.00	0.06	0.00	-0.01
4	0.00	0.00	-0.16	0.00	-0.06	0.00	-0.01	5	0.00	0.00	-0.38	0.00	-0.26	0.00	-0.01
5	0.00	0.00	-0.37	0.00	0.27	0.00	-0.01	6	0.00	0.00	-0.46	0.00	-0.38	0.00	-0.01
6	0.00	0.00	-0.54	0.00	0.37	0.00	-0.02	7	0.00	0.00	-0.33	0.00	0.02	0.00	0.00
8	0.00	0.00	-0.49	0.00	-0.07	0.00	0.00	9	0.00	0.00	-1.11	0.00	-0.89	0.00	-0.01
9	0.00	0.00	-1.22	0.00	0.84	0.00	0.00	10	0.00	0.00	-0.85	0.00	-0.03	0.00	-0.01
11	0.00	0.00	-0.85	0.00	0.03	0.00	-0.01	12	0.00	0.00	-1.22	0.00	-0.84	0.00	0.00
12	0.00	0.00	-1.11	0.00	0.89	0.00	-0.01	13	0.00	0.00	-0.49	0.00	0.07	0.00	0.00
14	0.00	0.00	-0.50	0.00	-0.07	0.00	0.00	15	0.00	0.00	-1.09	0.00	-0.83	0.00	0.01
15	0.00	0.00	-1.07	0.00	0.82	0.00	0.00	16	0.00	0.00	-0.99	0.00	-0.63	0.00	0.01
16	0.00	0.00	-1.04	0.00	0.63	0.00	0.00	17	0.00	0.00	-1.04	0.00	-0.63	0.00	0.01
17	0.00	0.00	-1.04	0.00	0.63	0.00	0.01	18	0.00	0.00	-1.04	0.00	-0.63	0.00	0.00
18	0.00	0.00	-0.99	0.00	0.63	0.00	0.01	19	0.00	0.00	-1.07	0.00	-0.82	0.00	0.00
19	0.00	0.00	-1.09	0.00	0.83	0.00	0.01	20	0.00	0.00	-0.50	0.00	0.07	0.00	0.00
21	0.00	0.00	-0.29	0.00	-0.02	0.00	0.00	22	0.00	0.00	-0.43	0.00	-0.24	0.00	0.01
22	0.00	0.00	-0.38	0.00	0.25	0.00	0.01	23	0.00	0.00	-0.39	0.00	-0.26	0.00	0.01
23	0.00	0.00	-0.40	0.00	0.25	0.00	0.01	24	0.00	0.00	-0.39	0.00	-0.24	0.00	0.01
24	0.00	0.00	-0.39	0.00	0.24	0.00	0.01	25	0.00	0.00	-0.40	0.00	-0.25	0.00	0.01
25	0.00	0.00	-0.39	0.00	0.26	0.00	0.01	26	0.00	0.00	-0.38	0.00	-0.25	0.00	0.01
26	0.00	0.00	-0.43	0.00	0.24	0.00	0.01	27	0.00	0.00	-0.29	0.00	0.02	0.00	0.00
1	3.90	-0.01	-0.03	0.01	0.00	0.00	0.00	1	0.00	0.01	0.03	-0.01	0.10	-0.02	0.00
2	3.90	0.00	-0.06	0.02	0.00	0.00	0.00	2	0.00	0.00	0.06	-0.02	0.21	0.00	0.00
3	3.90	0.00	-0.08	0.03	0.00	0.00	0.00	3	0.00	0.00	0.08	-0.03	0.29	-0.01	0.00
4	3.90	0.00	-0.09	0.01	0.00	0.00	0.00	4	0.00	0.00	0.09	-0.01	0.32	0.00	0.00
5	3.90	0.00	-0.08	0.03	0.00	0.00	0.00	5	0.00	0.00	0.08	-0.03	0.29	0.01	0.00
6	3.90	0.00	-0.06	0.02	0.00	0.00	0.00	6	0.00	0.00	0.06	-0.02	0.21	0.00	0.00
7	3.90	0.01	-0.03	0.01	0.00	0.00	0.00	7	0.00	-0.01	0.03	-0.01	0.10	0.02	0.00
8	4.15	0.00	-0.01	-0.01	0.00	0.00	0.00	8	0.00	0.00	0.01	0.01	0.03	0.00	0.00
9	4.15	0.00	-0.01	-0.03	0.00	0.00	0.00	9	0.00	0.00	0.01	0.03	0.04	0.02	0.00
10	4.15	0.01	-0.03	-0.05	0.00	-0.01	0.00	10	0.00	-0.01	0.03	0.05	0.12	0.06	0.00
11	4.15	-0.01	-0.03	-0.05	0.00	0.01	0.00	11	0.00	0.01	0.03	0.05	0.12	-0.06	0.00
12	4.15	0.00	-0.01	-0.03	0.00	0.00	0.00	12	0.00	0.00	0.01	0.03	0.04	-0.02	0.00
13	4.15	0.00	-0.01	-0.01	0.00	0.00	0.00	13	0.00	0.00	0.01	0.01	0.03	0.00	0.00
14	4.15	0.00	0.01	0.00	0.00	0.00	0.00	14	0.00	0.00	-0.01	0.00	-0.04	0.00	0.00
16	4.15	0.00	0.04	0.00	0.00	0.00	0.00	16	0.00	0.00	-0.04	0.00	-0.17	0.00	0.00
17	4.15	0.00	0.03	-0.03	0.00	0.00	0.00	17	0.00	0.00	-0.03	0.03	-0.13	0.00	0.00
18	4.15	0.00	0.04	0.00	0.00	0.00	0.00	18	0.00	0.00	-0.04	0.00	-0.17	0.00	0.00
20	4.15	0.00	0.01	0.00	0.00	0.00	0.00	20	0.00	0.00	-0.01	0.00	-0.04	0.00	0.00
21	3.90	-0.01	0.03	0.01	0.00	0.00	0.00	21	0.00	0.01	-0.03	-0.01	-0.10	-0.02	0.00
22	3.90	0.00	0.07	0.01	0.00	0.00	0.00	22	0.00	0.00	-0.07	-0.01	-0.24	0.00	0.00
23	3.90	0.00	0.07	0.01	0.00	0.00	0.00	23	0.00	0.00	-0.07	-0.01	-0.25	0.00	0.00
24	3.90	0.00	0.06	0.02	0.00	0.00	0.00	24	0.00	0.00	-0.06	-0.02	-0.20	0.00	0.00
25	3.90	0.00	0.07	0.01	0.00	0.00	0.00	25	0.00	0.00	-0.07	-0.01	-0.25	0.00	0.00
26	3.90	0.00	0.07	0.01	0.00	0.00	0.00	26	0.00	0.00	-0.07	-0.01	-0.24	0.00	0.00
27	3.90	0.01	0.03	0.01	0.00	0.00	0.00	27	0.00	-0.01	-0.03	-0.01	-0.10	0.02	0.00
1	3.90	0.00	0.01	0.03	-0.01	0.00	0.00	8	4.15	0.00	-0.01	-0.03	-0.02	0.00	0.00

8	4.15	0.00	0.00	0.04	0.01	0.00	0.00	14	4.15	0.00	0.00	-0.04	-0.01	0.00	0.00
14	4.15	0.00	0.00	0.03	0.01	0.00	0.00	21	3.90	0.00	0.00	-0.03	0.01	0.00	0.00
21	3.90	0.00	0.00	0.00	0.00	0.00	0.00	28	3.90	0.00	0.00	0.00	0.00	0.00	0.00
35	3.90	0.00	0.00	0.00	0.00	0.00	0.00	1	3.90	0.00	0.00	0.00	0.00	0.00	0.00
22	3.90	0.00	0.00	0.00	0.00	0.00	0.00	29	3.90	0.00	0.00	0.00	0.00	0.00	0.00
23	3.90	0.00	0.00	0.00	0.00	0.00	0.00	30	3.90	0.00	0.00	0.00	0.00	0.00	0.00
24	3.90	0.00	0.00	0.00	0.00	0.00	0.00	31	3.90	0.00	0.00	0.00	0.00	0.00	0.00
25	3.90	0.00	0.00	0.00	0.00	0.00	0.00	32	3.90	0.00	0.00	0.00	0.00	0.00	0.00
26	3.90	0.00	0.00	0.00	0.00	0.00	0.00	33	3.90	0.00	0.00	0.00	0.00	0.00	0.00
27	3.90	0.00	0.00	0.00	0.00	0.00	0.00	34	3.90	0.00	0.00	0.00	0.00	0.00	0.00
15	4.15	0.00	0.00	0.07	0.00	0.00	0.00	22	3.90	0.00	0.00	-0.07	0.03	0.00	0.00
16	4.15	0.00	-0.01	0.07	0.02	0.00	0.00	23	3.90	0.00	0.01	-0.07	0.03	0.00	0.00
17	4.15	0.00	-0.01	0.06	0.06	0.00	0.00	24	3.90	0.00	0.01	-0.06	0.02	0.00	0.00
18	4.15	0.00	-0.01	0.07	0.02	0.00	0.00	25	3.90	0.00	0.01	-0.07	0.03	0.00	0.00
19	4.15	0.00	0.00	0.07	0.00	0.00	0.00	26	3.90	0.00	0.00	-0.07	0.03	0.00	0.00
20	4.15	0.00	0.00	0.03	0.01	0.00	0.00	27	3.90	0.00	0.00	-0.03	0.01	0.00	0.00
9	4.15	0.00	-0.01	0.07	0.04	0.00	0.00	15	4.15	0.00	0.01	-0.07	0.00	0.00	0.00
10	4.15	0.00	-0.01	0.11	0.06	0.00	0.00	16	4.15	0.00	0.01	-0.11	0.00	0.00	0.00
11	4.15	0.00	-0.01	0.11	0.06	0.00	0.00	18	4.15	0.00	0.01	-0.11	0.00	0.00	0.00
12	4.15	0.00	-0.01	0.07	0.04	0.00	0.00	19	4.15	0.00	0.01	-0.07	0.00	0.00	0.00
13	4.15	0.00	0.00	0.04	0.01	0.00	0.00	20	4.15	0.00	0.00	-0.04	-0.01	0.00	0.00
2	3.90	0.00	0.02	0.06	-0.02	0.00	0.00	9	4.15	0.00	-0.02	-0.06	-0.05	0.00	0.00
3	3.90	0.00	0.03	0.08	-0.03	0.00	0.00	10	4.15	0.00	-0.03	-0.08	-0.08	0.00	0.00
5	3.90	0.00	0.03	0.08	-0.03	0.00	0.00	11	4.15	0.00	-0.03	-0.08	-0.08	0.00	0.00
6	3.90	0.00	0.02	0.06	-0.02	0.00	0.00	12	4.15	0.00	-0.02	-0.06	-0.05	0.00	0.00
7	3.90	0.00	0.01	0.03	-0.01	0.00	0.00	13	4.15	0.00	-0.01	-0.03	-0.02	0.00	0.00
36	3.90	0.00	0.00	0.00	0.00	0.00	0.00	2	3.90	0.00	0.00	0.00	0.00	0.00	0.00
37	3.90	0.00	0.00	0.00	0.00	0.00	0.00	3	3.90	0.00	0.00	0.00	0.00	0.00	0.00
38	3.90	0.00	0.00	0.00	0.00	0.00	0.00	4	3.90	0.00	0.00	0.00	0.00	0.00	0.00
39	3.90	0.00	0.00	0.00	0.00	0.00	0.00	5	3.90	0.00	0.00	0.00	0.00	0.00	0.00
40	3.90	0.00	0.00	0.00	0.00	0.00	0.00	6	3.90	0.00	0.00	0.00	0.00	0.00	0.00
41	3.90	0.00	0.00	0.00	0.00	0.00	0.00	7	3.90	0.00	0.00	0.00	0.00	0.00	0.00
4	3.90	0.00	0.00	0.09	-0.04	0.00	0.00	42	4.15	0.00	0.00	-0.09	0.02	0.00	0.00
21	3.90	0.00	0.00	-0.01	0.00	0.00	0.00	22	3.90	0.00	0.00	0.01	0.00	0.00	0.00
1	3.90	0.00	0.00	0.00	0.00	0.00	0.00	2	3.90	0.00	0.00	0.00	0.00	0.00	0.00
2	3.90	0.00	0.00	0.00	0.00	0.00	0.00	3	3.90	0.00	0.00	0.00	0.00	0.00	0.00
3	3.90	0.00	0.00	-0.01	0.00	0.00	0.00	4	3.90	0.00	0.00	0.01	0.00	0.00	0.00
4	3.90	0.00	0.00	-0.01	0.00	0.00	0.00	5	3.90	0.00	0.00	0.01	0.00	0.00	0.00
5	3.90	0.00	0.00	0.00	0.00	0.00	0.00	6	3.90	0.00	0.00	0.00	0.00	0.00	0.00
6	3.90	0.00	0.00	0.00	0.00	0.00	0.00	7	3.90	0.00	0.00	0.00	0.00	0.00	0.00
8	4.15	0.00	0.00	0.00	0.00	0.00	0.00	9	4.15	0.00	0.00	0.00	0.00	0.00	0.00
9	4.15	0.00	0.00	0.00	0.00	0.00	0.00	10	4.15	0.00	0.00	0.00	0.00	0.00	0.00
11	4.15	0.00	0.00	0.00	0.00	0.00	0.00	12	4.15	0.00	0.00	0.00	0.00	0.00	0.00
12	4.15	0.00	0.00	0.00	0.00	0.00	0.00	13	4.15	0.00	0.00	0.00	0.00	0.00	0.00
14	4.15	0.00	0.00	0.00	0.00	0.00	0.00	15	4.15	0.00	0.00	0.00	0.00	0.00	0.00
15	4.15	0.00	0.00	0.00	0.00	0.00	0.00	16	4.15	0.00	0.00	0.00	0.00	0.00	0.00
16	4.15	0.00	0.00	0.00	0.00	0.00	0.00	17	4.15	0.00	0.00	0.00	0.00	0.00	0.00
17	4.15	0.00	0.00	0.00	0.00	0.00	0.00	18	4.15	0.00	0.00	0.00	0.00	0.00	0.00
18	4.15	0.00	0.00	0.00	0.00	0.00	0.00	19	4.15	0.00	0.00	0.00	0.00	0.00	0.00
19	4.15	0.00	0.00	0.00	0.00	0.00	0.00	20	4.15	0.00	0.00	0.00	0.00	0.00	0.00
22	3.90	0.00	0.00	0.00	0.00	0.00	0.00	23	3.90	0.00	0.00	0.00	0.00	0.00	0.00
23	3.90	0.00	0.00	0.00	0.00	0.00	0.00	24	3.90	0.00	0.00	0.00	0.00	0.00	0.00
24	3.90	0.00	0.00	0.00	0.00	0.00	0.00	25	3.90	0.00	0.00	0.00	0.00	0.00	0.00
25	3.90	0.00	0.00	0.00	0.00	0.00	0.00	26	3.90	0.00	0.00	0.00	0.00	0.00	0.00
26	3.90	0.00	0.00	-0.01	0.00	0.00	0.00	27	3.90	0.00	0.00	0.01	0.00	0.00	0.00
35	3.90	0.00	0.00	0.00	0.00	0.00	0.00	36	3.90	0.00	0.00	0.00	0.00	0.00	0.00
36	3.90	0.00	0.00	0.00	0.00	0.00	0.00	37	3.90	0.00	0.00	0.00	0.00	0.00	0.00
37	3.90	0.00	0.00	0.00	0.00	0.00	0.00	38	3.90	0.00	0.00	0.00	0.00	0.00	0.00
38	3.90	0.00	0.00	0.00	0.00	0.00	0.00	39	3.90	0.00	0.00	0.00	0.00	0.00	0.00
39	3.90	0.00	0.00	0.00	0.00	0.00	0.00	40	3.90	0.00	0.00	0.00	0.00	0.00	0.00
40	3.90	0.00	0.00	0.00	0.00	0.00	0.00	41	3.90	0.00	0.00	0.00	0.00	0.00	0.00
28	3.90	0.00	0.00	0.00	0.00	0.00	0.00	29	3.90	0.00	0.00	0.00	0.00	0.00	0.00
29	3.90	0.00	0.00	0.00	0.00	0.00	0.00	30	3.90	0.00	0.00	0.00	0.00	0.00	0.00
30	3.90	0.00	0.00	0.00	0.00	0.00	0.00	31	3.90	0.00	0.00	0.00	0.00	0.00	0.00
31	3.90	0.00	0.00	0.00	0.00	0.00	0.00	32	3.90	0.00	0.00	0.00	0.00	0.00	0.00
32	3.90	0.00	0.00	0.00	0.00	0.00	0.00	33	3.90	0.00	0.00	0.00	0.00	0.00	0.00
33	3.90	0.00	0.00	0.00	0.00	0.00	0.00	34	3.90	0.00	0.00	0.00	0.00	0.00	0.00
42	4.15	0.00	0.01	0.09	-0.02	0.00	0.00	17	4.15	0.00	-0.01	-0.09	-0.05	0.00	0.00
10	4.15	0.00	0.00	0.02	0.00	0.00	0.00	42	4.15	0.00	0.00	-0.02	0.00	0.00	0.00
42	4.15	0.00	0.00	0.02	0.00	0.00	0.00	11	4.15	0.00	0.00	-0.02	0.00	0.00	0.00
4	0.00	0.00	0.30	0.00	-0.28	0.00	0.00	44	0.00	0.00	0.59	0.00	0.44	0.00	0.00
43	0.00	0.00	-0.61	0.00	0.09	0.00	-0.01	44	0.00	0.00	-0.84	0.00	-0.59	0.00	-0.02
44	0.00	0.00	-0.84	0.00	0.59	0.00	-0.02	45	0.00	0.00	-0.61	0.00	-0.09	0.00	-0.01
3	0.00	0.00	0.72	0.00	-0.13	0.00	0.02	43	0.00	0.00	0.10	0.00	-0.16	0.00	-0.03
5	0.00	0.00	0.72	0.00	-0.13	0.00	-0.02	45	0.00	0.00	0.10	0.00	-0.16	0.00	0.03
46	0.00	0.00	0.21	0.00	0.03	0.00	0.00	21	0.00	0.00	0.29	0.00	0.03	0.00	-0.01
47	0.00	0.00	0.78	0.00	-0.10	0.00	0.01	22	0.00	0.00	0.80	0.00	0.06	0.00	0.00
48	0.00	0.00	0.74	0.00	-0.08	0.00	0.00	23	0.00	0.00	0.78	0.00	0.07	0.00	0.00
49	0.00	0.00	0.76	0.00	-0.07	0.00	0.00	24	0.00	0.00	0.77	0.00	0.03	0.00	0.00
50	0.00	0.00	0.74	0.00	-0.08	0.00	0.00	25	0.00	0.00	0.78	0.00	0.07	0.00	0.00
51	0.00	0.00	0.78	0.00	-0.10	0.00	-0.01	26	0.00	0.00	0.80	0.00	0.06	0.00	0.00
52	0.00	0.00	0.21	0.00	0.03	0.00	0.00	27	0.00	0.00	0.29	0.00	0.03	0.00	0.01
46	0.00	0.00	-0.41	0.00	-0.06	0.00	0.00	47	0.00	0.00	-0.78	0.00	-0.55	0.00	0.01
47	0.00	0.00	-0.74	0.00	0.55	0.00	0.00	48	0.00	0.00	-0.70	0.00	-0.45	0.00	0.01
48	0.00	0.00	-0.73	0.00	0.45	0.00	0.01	49	0.00	0.00	-0.71	0.00	-0.42	0.00	0.00
49	0.00	0.00	-0.71	0.00	0.42	0.00	0.00	50	0.00	0.00	-0.73	0.00	-0.45	0.00	0.01
50	0.00	0.00	-0.70	0.00	0.45	0.00	0.01	51	0.00	0.00	-0.74	0.00	-0.55	0.00	0.00
51	0.00	0.00	-0.78	0.00	0.55	0.00	0.01	52	0.00	0.00	-0.41	0.00	0.06	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	Spostam. Calcolo (mm)	Spostam. Limite (mm)	Sisma Nro	Spostam. Calcolo (mm)	Spostam. Limite (mm)	Stringa di Controllo Verifica
1	0.00	3.90	1	28	1	2.075	19.500	1	1.789	7.800	VERIFICATO
2	0.00	3.90	2	29	1	2.096	19.500	1	1.801	7.800	VERIFICATO
3	0.00	3.90	5	30	1	2.113	19.500	1	1.826	7.800	VERIFICATO
4	0.00	3.90	7	31	1	2.130	19.500	1	1.841	7.800	VERIFICATO
5	0.00	3.90	9	32	1	2.096	19.500	1	1.809	7.800	VERIFICATO
6	0.00	3.90	11	33	1	2.070	19.500	1	1.775	7.800	VERIFICATO
7	0.00	3.90	13	34	1	2.063	19.500	1	1.774	7.800	VERIFICATO
8	0.00	4.15	3	35	1	4.304	20.750	1	3.722	8.300	VERIFICATO
9	0.00	4.15	4	36	1	4.296	20.750	1	3.709	8.300	VERIFICATO
10	0.00	4.15	6	37	1	4.293	20.750	1	3.709	8.300	VERIFICATO
11	0.00	4.15	10	38	1	4.259	20.750	1	3.676	8.300	VERIFICATO
12	0.00	4.15	12	39	1	4.233	20.750	1	3.647	8.300	VERIFICATO
13	0.00	4.15	14	40	1	4.227	20.750	1	3.644	8.300	VERIFICATO
14	0.00	4.15	15	41	1	7.753	20.750	1	6.570	8.300	VERIFICATO
15	0.00	4.15	16	42	1	7.752	20.750	1	6.564	8.300	VERIFICATO

16	0.00	4.15	17	43	1	7.722	20.750	1	6.538	8.300	VERIFICATO
17	0.00	4.15	8	44	1	7.735	20.750	1	6.554	8.300	VERIFICATO
18	0.00	4.15	18	45	1	7.697	20.750	1	6.514	8.300	VERIFICATO
19	0.00	4.15	19	46	1	7.708	20.750	1	6.520	8.300	VERIFICATO
20	0.00	4.15	20	47	1	7.695	20.750	1	6.511	8.300	VERIFICATO
21	0.00	3.90	21	48	1	3.534	19.500	1	2.954	7.800	VERIFICATO
22	0.00	3.90	22	49	1	3.619	19.500	1	3.039	7.800	VERIFICATO
23	0.00	3.90	23	50	1	3.560	19.500	1	2.980	7.800	VERIFICATO
24	0.00	3.90	24	51	1	3.630	19.500	1	3.055	7.800	VERIFICATO
25	0.00	3.90	25	52	1	3.552	19.500	1	2.973	7.800	VERIFICATO
26	0.00	3.90	26	53	1	3.608	19.500	1	3.029	7.800	VERIFICATO
27	0.00	3.90	27	54	1	3.537	19.500	1	2.956	7.800	VERIFICATO

STAMPA PROGETTO S.L.V. - E.C. - FONDAZIONE

Filo Iniz / Fin. / Ctg⊖	Quota Iniz. / Finale / SgmT	Trat	Sez Bas / Alt	Conc io	VERIFICA A PRESSO-FLESSIONE: Co Nr	AlfaX	M Exd kN10m	N Ed kN*10	x/d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	V E R I F I C A A T A G L I O E T O R S I O N E: Co Nr	V Exd kN*10	V Eyd kN*10	T Sdu kN*10	V Rxd kN*10	V Ryd kN*10	TRd kN*10	TRld kN10m	Coe Cls	Coe Sta	ALon cmq	staffe Pass	Lun
1	0.00	1	1	5	1.10	-2.3	0.0	21	3	1	5.9	5.9	1	0.0	-2.6	0.0	20.0	38.7	13.4	0.0	5	6	0.0	16	70
2	0.00	40	3	5	1.10	-2.3	0.0	21	3	1	5.9	5.9	6	0.0	2.7	0.0	20.0	38.7	13.4	0.0	5	7	0.0	16	229
2.5	0.35	74	5	10	1.10	3.9	0.0	21	5	1	5.9	5.9	10	0.0	4.4	0.0	20.0	38.7	13.4	0.0	9	11	0.0	16	70
1	0.00	11	1	7	1.10	2.9	0.0	23	3	1	5.9	5.9	6	0.0	-1.3	0.0	20.0	38.7	17.7	0.0	2	3	0.0	16	70
8	0.00	40	3	7	1.10	2.7	0.0	23	3	1	5.9	5.9	10	0.0	1.6	0.0	20.0	38.7	17.7	0.0	3	4	0.0	16	189
2.5	0.32	74	5	8	1.10	-1.7	0.0	24	1	0	5.9	5.9	10	0.0	2.3	0.0	20.0	38.7	17.7	0.0	5	6	0.0	16	70
2	0.00	11	1	2	1.10	6.2	0.0	23	7	2	5.9	5.9	8	0.0	4.4	0.0	20.0	38.7	17.7	0.0	9	11	0.0	16	70
9	0.00	40	3	2	1.10	6.2	0.0	23	7	2	5.9	5.9	2	0.0	-3.5	0.0	20.0	38.7	17.7	0.0	7	9	0.0	16	189
2.5	0.44	74	5	1	1.10	3.7	0.0	23	4	1	5.9	5.9	2	0.0	-4.7	0.0	20.0	38.7	17.7	0.0	10	12	0.0	16	70
43	0.00	11	1	2	1.10	3.3	0.0	23	4	1	5.9	5.9	8	0.0	3.6	0.0	20.0	38.7	17.7	0.0	7	9	0.0	16	70
10	0.00	40	3	1	1.10	3.7	0.0	23	4	1	5.9	5.9	3	0.0	1.7	0.0	20.0	38.7	17.7	0.0	3	4	0.0	16	39
2.5	0.46	74	5	1	1.10	3.7	0.0	23	4	1	5.9	5.9	3	0.0	1.3	0.0	20.0	38.7	17.7	0.0	2	3	0.0	16	70
44	0.00	11	1	8	1.10	-3.8	0.0	24	3	1	5.9	5.9	1	0.0	3.4	0.0	20.0	38.7	17.7	0.0	7	8	0.0	16	70
17	0.00	40	3	2	1.10	2.3	0.0	23	3	1	5.9	5.9	8	0.0	2.4	0.0	20.0	38.7	17.7	0.0	5	6	0.0	16	619
2.5	0.41	74	5	8	1.10	1.9	0.0	23	2	1	5.9	5.9	2	0.0	-1.6	0.0	20.0	38.7	17.7	0.0	3	4	0.0	16	70
45	0.00	11	1	9	1.10	2.6	0.0	23	3	1	5.9	5.9	10	0.0	3.5	0.0	20.0	38.7	17.7	0.0	7	9	0.0	16	70
11	0.00	40	3	9	1.10	3.2	0.0	23	4	1	5.9	5.9	2	0.0	-0.9	0.0	20.0	38.7	17.7	0.0	3	3	0.0	16	39
2.5	0.42	74	5	9	1.10	3.1	0.0	23	4	1	5.9	5.9	2	0.0	-2.0	0.0	20.0	38.7	17.7	0.0	4	5	0.0	16	70
6	0.00	11	1	2	1.10	6.3	0.0	23	7	2	5.9	5.9	8	0.0	4.5	0.0	20.0	38.7	17.7	0.0	9	11	0.0	16	70
12	0.00	40	3	2	1.10	6.3	0.0	23	7	2	5.9	5.9	2	0.0	-3.5	0.0	20.0	38.7	17.7	0.0	7	9	0.0	16	189
2.5	0.44	74	5	1	1.10	3.8	0.0	23	5	1	5.9	5.9	2	0.0	-4.7	0.0	20.0	38.7	17.7	0.0	10	12	0.0	16	70
7	0.00	11	1	9	1.10	2.9	0.0	23	3	1	5.9	5.9	1	0.0	-1.8	0.0	20.0	38.7	17.7	0.0	4	4	0.0	16	70
13	0.00	40	3	9	1.10	2.7	0.0	23	3	1	5.9	5.9	8	0.0	2.0	0.0	20.0	38.7	17.7	0.0	4	5	0.0	16	189
2.5	0.35	74	5	3	1.10	1.3	0.0	23	2	0	5.9	5.9	8	0.0	2.3	0.0	20.0	38.7	17.7	0.0	5	6	0.0	16	70
8	0.00	11	1	9	1.10	3.1	0.0	23	4	1	5.9	5.9	8	0.0	1.4	0.0	20.0	38.7	17.7	0.0	2	3	0.0	16	70
14	0.00	40	3	2	1.10	1.6	0.0	23	2	1	5.9	5.9	6	0.0	1.2	0.0	20.0	38.7	17.7	0.0	2	3	0.0	16	389
2.5	0.37	74	5	10	1.10	2.9	0.0	23	3	1	5.9	5.9	6	0.0	1.6	0.0	20.0	38.7	17.7	0.0	3	4	0.0	16	70
9	0.00	11	1	9	1.10	2.5	0.0	23	3	1	5.9	5.9	8	0.0	1.9	0.0	20.0	38.7	17.7	0.0	4	5	0.0	16	70
15	0.00	40	3	2	1.10	1.7	0.0	23	2	1	5.9	5.9	2	0.0	-1.6	0.0	20.0	38.7	17.7	0.0	3	4	0.0	16	389
2.5	0.44	74	5	2	1.10	-2.1	0.0	24	2	1	5.9	5.9	2	0.0	-2.7	0.0	20.0	38.7	17.7	0.0	6	7	0.0	16	70
10	0.00	11	1	2	1.10	7.0	0.0	23	8	3	5.9	5.9	1	0.0	-3.5	0.0	20.0	38.7	17.7	0.0	7	9	0.0	16	70
16	0.00	40	3	2	1.10	3.0	0.0	23	4	1	5.9	5.9	1	0.0	-2.7	0.0	20.0	38.7	17.7	0.0	6	7	0.0	16	389
2.5	0.48	74	5	2	1.10	-3.1	0.0	24	2	1	5.9	5.9	2	0.0	-1.6	0.0	20.0	38.7	17.7	0.0	3	4	0.0	16	70
11	0.00	11	1	2	1.10	4.7	0.0	23	6	2	5.9	5.9	1	0.0	-2.4	0.0	20.0	38.7	17.7	0.0	5	6	0.0	16	70
18	0.00	40	3	2	1.10	2.4	0.0	23	3	1	5.9	5.9	9	0.0	-2.0	0.0	20.0	38.7	17.7	0.0	4	5	0.0	16	389
2.5	0.44	74	5	8	1.10	1.7	0.0	23	2	1	5.9	5.9	2	0.0	-1.2	0.0	20.0	38.7	17.7	0.0	2	3	0.0	16	70
12	0.00	11	1	7	1.10	2.6	0.0	23	3	1	5.9	5.9	8	0.0	2.0	0.0	20.0	38.7	17.7	0.0	4	5	0.0	16	70
19	0.00	40	3	2	1.10	1.9	0.0	23	2	1	5.9	5.9	2	0.0	-2.0	0.0	20.0	38.7	17.7	0.0	4	5	0.0	16	389
2.5	0.44	74	5	2	1.10	-2.8	0.0	24	2	1	5.9	5.9	2	0.0	-3.2	0.0	20.0	38.7	17.7	0.0	7	8	0.0	16	70
13	0.00	11	1	7	1.10	3.2	0.0	23	4	1	5.9	5.9	1	0.0	-1.3	0.0	20.0	38.7	17.7	0.0	3	3	0.0	16	70
20	0.00	40	3	9	1.10	1.5	0.0	23	2	1	5.9	5.9	2	0.0	-1.3	0.0	20.0	38.7	17.7	0.0	3	3	0.0	16	389
2.5	0.38	74	5	8	1.10	3.2	0.0	23	4	1	5.9	5.9	4	0.0	1.6	0.0	20.0	38.7	17.7	0.0	4	4	0.0	16	70
14	0.00	11	1	5	1.10	2.8	0.0	23	3	1	5.9	5.9	5	0.0	-2.7	0.0	20.0	38.7	17.7	0.0	5	6	0.0	16	70
46	0.00	40	3	9	1.10	-2.2	0.0	24	2	1	5.9	5.9	5	0.0	-2.3	0.0	20.0	38.7	17.7	0.0	4	5	0.0	16	149
2.5	0.36	74	5	9	1.10	-2.9	0.0	24	2	1	5.9	5.9	2	0.0	-1.6	0.0	20.0	38.7	17.7	0.0	3	4	0.0	16	70
15	0.00	11	1	2	1.10	-2.2	0.0	24	2	1	5.9	5.9	2	0.0	2.4	0.0	20.0	38.7	17.7	0.0	5	6	0.0	16	70
47	0.00	40	3	1	1.10	-2.6	0.0	24	2	1	5.9	5.9	1	0.0	-2.0	0.0	20.0	38.7	17.7	0.0	4	5	0.0	16	149
2.5	0.30	74	5	2	1.10	-4.0	0.0	24	3	1	5.9	5.9	2	0.0	-4.0	0.0	20.0	38.7	17.7	0.0	8	10	0.0	16	70
16	0.00	11	1	9	1.10	2.2	0.0	23	3	1	5.9	5.9	8	0.0	1.2	0.0	20.0	38.7	17.7	0.0	2	3	0.0	16	70
48	0.00	40	3	9	1.10	2.0	0.0	23	2	1	5.9	5.9	2	0.0	-2.8	0.0	20.0	38.7	17.7	0.0	6	7	0.0	16	149
2.5	0.36	74	5	2	1.10	-3.4	0.0	24	3	1	5.9	5.9	2	0.0	-4.0	0.0	20.0	38.7	17.7	0.0	8	10	0.0	16	70
17	0.00	11	1	1	1.10	5.7	0.0	23	7	2	5.9	5.9	1	0.0	-3.0	0.0	20.0	38.7	17.7	0.0	6	7	0.0	16	70
49	0.00	40	3	2	1.10	4.6	0.0	23	5	2	5.9	5.9	2	0.0	-3.5	0.0	20.0	38.7	17.7	0.0	7	9	0.0	16	149
2.5	0.40	74	5	2	1.10	-3.5	0.0	24	3	1	5.9	5.9	2	0.0	-4.3	0.0	20.0	38.7	17.7	0.0	9	11	0.0	16	70
18	0.00	11	1	2	1.10	2.9	0.0	23	3	1	5.9	5.9	1	0.0	-1.2	0.0	20.0	38.7	17.7	0.0	3	3	0.0	16	70
50	0.00	40	3	2	1.10	2.6	0.0	23	3	1	5.9	5.9	2	0.0	-3.1	0.0	20.0	38.7	17.7	0.0	6	8	0.0	16	149
2.5	0.38	74	5	2	1.10	-3.6	0.0	24	3	1	5.9	5.9	2	0.0	-4.3	0.0	20.0	38.7	17.7	0.0	9	11	0.0	16	70
19	0.00	11	1	2	1.10	-2.8	0.0	24	2	1	5.9	5.9	2	0.0	3.0	0.0	20.0	38.7	17.7	0.0	6	7	0.0	16	70
51	0.00	40	3	1	1.10	-2.4	0.0	24	2	1	5.9	5.9	2	0.0	-2.0	0.0	20.0	38.7	17.7	0.0	4	5	0.0	16	149
2.5	0.29	74	5	2	1.10	-3.6	0.0	24	3	1	5.9	5.9	2	0.0	-3.6	0.0	20.0	38.7	17.7	0.0	8	9	0.0	16	70
20	0.00	11	1	2	1.10	3.6	0.0	23	4	1	5.9	5.9	1	0.0	-3.4	0.0	20.0	38.7	17.7	0.0	7	8	0.0	16	70
52	0.00	40	3	2	1.10	-2.8	0.0	24	2	1	5.9	5.9	1	0.0	-2.7	0.0	20.0	38.7	17.7	0.0	6	7	0.0	16	149
2.5	0.37	74	5	2	1.10	-3.6	0.0	24	3	1	5.9	5.9	2	0.0	-2.0	0.0	20.0	38.7	17.7	0.0	4	5	0.0	16	70
2	0.00	1	1	8	1.10	4.4	0.0	21	5	2	5.9	5.9	8	0.0	-2.9	0.0	20.0	38.7	13.4	0.0	6	7	0.0	16	70
3	0.00	40	3	8	1.10	2.6	0.0	21	3	1	5.9	5.9	8	0.0	-2.1	0.0	20.0	38.7	13.4	0.0	4	5	0.0	16	229
2.5	0.36	74	5	9	1.10	2.3	0.0	21	3	1	5.9	5.9	5	0.0	1.2	0.0	20.0	38.7	13.4	0.0	3	3	0.0	16	70
3	0.00	1	1	7	1.10	2.3	0.0	21	3	1	5.9	5.9	1	0.0	-3.3	0.0	20.0	38.7	13.4	0.0	7	8	0.0	16	70
4	0.00	40	3	8	1.10	-2.8	0.0	21	3	1	5.9	5.9	1	0.0	-2.1	0.0	20.0	38.7	13.4	0.0	4	5	0.0	16	229
2.5	0.29	74	5	8	1.10	-2.3	0.0	21	3	1	5.9	5.9	1	0.0	2.0	0.0	20.0	38.7	13.4	0.0	4	5	0.0	16	70
4	0.00	1	1	10	1.10	-2.2	0.0	21	3	1	5.9	5.9	1	0.0	-2.9	0.0	20.0	38.7	13.4	0.0	6	7	0.0	16	70
5	0.00	40	3	8	1.10	-2.8	0.0	21	3	1	5.9	5.9	1	0.0	-1.9	0.0	20.0	38.7	13.4	0.0	4	4	0.0	16	229
2.5	0.29	74	5	8	1.10	-2.2	0.0	21	3	1	5.9	5.9	6	0.0	2.7	0.0	20.0	38.7	13.4	0.0	6	7	0.0	16	70
5	0.00	1	1	7	1.10	2.5	0.0	21	3	1	5.9	5.9	1	0.0	-1.1	0.0	20.0	38.7	13.4	0.0	3	3	0.0	16	70
6	0.00	40	3	10	1.10	2.4	0.0	21	3	1	5.9	5.9	10	0.0	1.9	0.0	20.0	38.7	13.4	0.0	4	5	0.0	16	229

2.5	0.36	74	5	10	1.10	4.0	0.0	21	5	1	5.9	5.9	10	0.0	2.7	0.0	20.0	38.7	13.4	0.0	5	7	0.0	16	70
6	0.00	1	1	8	1.10	4.1	0.0	21	5	1	5.9	5.9	1	0.0	-4.4	0.0	20.0	38.7	13.4	0.0	9	11	0.0	16	70
7	0.00	40	3	2	1.10	-2.9	0.0	21	4	1	5.9	5.9	2	0.0	-3.1	0.0	20.0	38.7	13.4	0.0	6	8	0.0	16	229
2.5	0.35	74	5	2	1.10	-2.9	0.0	21	4	1	5.9	5.9	9	0.0	2.4	0.0	20.0	38.7	13.4	0.0	5	6	0.0	16	70
8	0.00	1	1	2	1.10	3.8	0.0	21	5	1	5.9	5.9	2	0.0	-4.7	0.0	20.0	38.7	13.4	0.0	10	12	0.0	16	70
9	0.00	40	3	5	1.10	-3.1	0.0	21	4	1	5.9	5.9	1	0.0	4.0	0.0	20.0	38.7	13.4	0.0	8	10	0.0	16	229
2.5	0.44	74	5	1	1.10	5.4	0.0	21	7	2	5.9	5.9	1	0.0	6.3	0.0	20.0	38.7	13.4	0.0	13	16	0.0	16	70
9	0.00	1	1	2	1.10	9.2	0.0	22	11	3	5.9	5.9	2	0.0	-10.3	0.0	20.0	38.7	13.4	0.0	22	26	0.0	16	70
10	0.00	40	3	2	1.10	-5.3	0.0	21	7	2	5.9	5.9	2	0.0	-7.5	0.0	20.0	38.7	13.4	0.0	16	19	0.0	16	229
2.5	0.46	74	5	2	1.10	-5.3	0.0	21	7	2	5.9	5.9	5	0.0	3.5	0.0	20.0	38.7	13.4	0.0	8	9	0.0	16	70
11	0.00	1	1	2	1.10	4.0	0.0	21	5	1	5.9	5.9	2	0.0	-6.3	0.0	20.0	38.7	13.4	0.0	13	16	0.0	16	70
12	0.00	40	3	6	1.10	-3.2	0.0	21	4	1	5.9	5.9	1	0.0	4.4	0.0	20.0	38.7	13.4	0.0	9	11	0.0	16	229
2.5	0.44	74	5	5	1.10	5.4	0.0	21	7	2	5.9	5.9	1	0.0	7.0	0.0	20.0	38.7	13.4	0.0	15	18	0.0	16	70
12	0.00	1	1	2	1.10	9.2	0.0	22	11	3	5.9	5.9	2	0.0	-9.7	0.0	20.0	38.7	13.4	0.0	20	24	0.0	16	70
13	0.00	40	3	2	1.10	-5.0	0.0	21	6	2	5.9	5.9	2	0.0	-7.0	0.0	20.0	38.7	13.4	0.0	15	18	0.0	16	229
2.5	0.44	74	5	2	1.10	-5.0	0.0	21	6	2	5.9	5.9	5	0.0	2.8	0.0	20.0	38.7	13.4	0.0	6	7	0.0	16	70
14	0.00	1	1	3	1.10	7.3	0.0	21	9	3	5.9	5.9	2	0.0	-4.7	0.0	20.0	38.7	13.4	0.0	10	12	0.0	16	70
15	0.00	40	3	6	1.10	-5.5	0.0	21	7	2	5.9	5.9	2	0.0	-3.2	0.0	20.0	38.7	13.4	0.0	7	8	0.0	16	229
2.5	0.35	74	5	2	1.10	0.8	0.0	21	1	0	5.9	5.9	5	0.0	2.7	0.0	20.0	38.7	13.4	0.0	6	7	0.0	16	70
15	0.00	1	1	2	1.10	0.7	0.0	21	1	0	5.9	5.9	2	0.0	-3.1	0.0	20.0	38.7	13.4	0.0	6	7	0.0	16	70
16	0.00	40	3	6	1.10	2.5	0.0	21	3	1	5.9	5.9	5	0.0	2.4	0.0	20.0	38.7	13.4	0.0	5	6	0.0	16	229
2.5	0.36	74	5	6	1.10	4.7	0.0	21	6	2	5.9	5.9	1	0.0	3.6	0.0	20.0	38.7	13.4	0.0	7	9	0.0	16	70
16	0.00	1	1	4	1.10	6.2	0.0	21	8	2	5.9	5.9	2	0.0	-6.0	0.0	20.0	38.7	13.4	0.0	12	15	0.0	16	70
17	0.00	40	3	4	1.10	3.2	0.0	21	4	1	5.9	5.9	2	0.0	-4.2	0.0	20.0	38.7	13.4	0.0	9	10	0.0	16	229
2.5	0.40	74	5	5	1.10	5.1	0.0	21	6	2	5.9	5.9	5	0.0	4.3	0.0	20.0	38.7	13.4	0.0	9	11	0.0	16	70
17	0.00	1	1	2	1.10	5.8	0.0	21	7	2	5.9	5.9	2	0.0	-6.3	0.0	20.0	38.7	13.4	0.0	13	16	0.0	16	70
18	0.00	40	3	3	1.10	2.8	0.0	21	3	1	5.9	5.9	2	0.0	-4.3	0.0	20.0	38.7	13.4	0.0	9	11	0.0	16	229
2.5	0.41	74	5	6	1.10	5.4	0.0	21	7	2	5.9	5.9	5	0.0	4.3	0.0	20.0	38.7	13.4	0.0	9	11	0.0	16	70
18	0.00	1	1	2	1.10	5.5	0.0	21	7	2	5.9	5.9	2	0.0	-5.3	0.0	20.0	38.7	13.4	0.0	11	13	0.0	16	70
19	0.00	40	3	4	1.10	3.0	0.0	21	4	1	5.9	5.9	2	0.0	-3.5	0.0	20.0	38.7	13.4	0.0	7	9	0.0	16	229
2.5	0.38	74	5	2	1.10	1.0	0.0	21	1	0	5.9	5.9	2	0.0	2.0	0.0	20.0	38.7	13.4	0.0	4	5	0.0	16	70
19	0.00	1	1	2	1.10	0.9	0.0	21	1	0	5.9	5.9	2	0.0	-4.0	0.0	20.0	38.7	13.4	0.0	8	10	0.0	16	70
20	0.00	40	3	4	1.10	-6.5	0.0	21	8	2	5.9	5.9	2	0.0	-3.0	0.0	20.0	38.7	13.4	0.0	6	7	0.0	16	229
2.5	0.36	74	5	4	1.10	-7.3	0.0	21	9	3	5.9	5.9	5	0.0	3.5	0.0	20.0	38.7	13.4	0.0	8	9	0.0	16	70
21	0.00	1	1	4	1.10	3.8	0.0	21	5	1	5.9	5.9	1	0.0	-3.6	0.0	20.0	38.7	13.4	0.0	8	9	0.0	16	70
22	0.00	40	3	6	1.10	-3.9	0.0	21	5	1	5.9	5.9	1	0.0	3.6	0.0	20.0	38.7	13.4	0.0	7	9	0.0	16	229
2.5	0.39	74	5	1	1.10	4.0	0.0	21	5	1	5.9	5.9	1	0.0	5.5	0.0	20.0	38.7	13.4	0.0	11	14	0.0	16	70
22	0.00	1	1	2	1.10	5.4	0.0	21	7	2	5.9	5.9	2	0.0	-6.0	0.0	20.0	38.7	13.4	0.0	12	15	0.0	16	70
23	0.00	40	3	3	1.10	2.3	0.0	21	3	1	5.9	5.9	2	0.0	-4.0	0.0	20.0	38.7	13.4	0.0	8	10	0.0	16	229
2.5	0.37	74	5	6	1.10	3.2	0.0	21	4	1	5.9	5.9	1	0.0	3.1	0.0	20.0	38.7	13.4	0.0	6	8	0.0	16	70
23	0.00	1	1	4	1.10	3.4	0.0	21	4	1	5.9	5.9	1	0.0	-3.9	0.0	20.0	38.7	13.4	0.0	9	10	0.0	16	70
24	0.00	40	3	4	1.10	-1.5	0.0	21	2	1	5.9	5.9	1	0.0	-2.3	0.0	20.0	38.7	13.4	0.0	5	6	0.0	16	229
2.5	0.32	74	5	5	1.10	3.3	0.0	21	4	1	5.9	5.9	2	0.0	3.5	0.0	20.0	38.7	13.4	0.0	7	9	0.0	16	70
24	0.00	1	1	3	1.10	3.5	0.0	21	4	1	5.9	5.9	2	0.0	-4.4	0.0	20.0	38.7	13.4	0.0	9	11	0.0	16	70
25	0.00	40	3	2	1.10	-1.5	0.0	21	2	1	5.9	5.9	2	0.0	-2.8	0.0	20.0	38.7	13.4	0.0	6	7	0.0	16	229
2.5	0.32	74	5	6	1.10	3.1	0.0	21	4	1	5.9	5.9	1	0.0	3.1	0.0	20.0	38.7	13.4	0.0	7	8	0.0	16	70
25	0.00	1	1	4	1.10	3.4	0.0	21	4	1	5.9	5.9	2	0.0	-4.1	0.0	20.0	38.7	13.4	0.0	8	10	0.0	16	70
26	0.00	40	3	5	1.10	2.2	0.0	21	3	1	5.9	5.9	1	0.0	3.1	0.0	20.0	38.7	13.4	0.0	6	8	0.0	16	229
2.5	0.36	74	5	5	1.10	4.7	0.0	21	6	2	5.9	5.9	1	0.0	5.1	0.0	20.0	38.7	13.4	0.0	10	13	0.0	16	70
26	0.00	1	1	2	1.10	5.1	0.0	21	6	2	5.9	5.9	2	0.0	-6.6	0.0	20.0	38.7	13.4	0.0	14	17	0.0	16	70
27	0.00	40	3	4	1.10	-4.2	0.0	21	5	1	5.9	5.9	2	0.0	-4.7	0.0	20.0	38.7	13.4	0.0	10	12	0.0	16	229
2.5	0.40	74	5	4	1.10	-4.1	0.0	21	5	1	5.9	5.9	1	0.0	2.7	0.0	20.0	38.7	13.4	0.0	6	7	0.0	16	70
4	0.00	11	1	8	1.10	-4.8	0.0	24	4	1	5.9	5.9	2	0.0	-3.1	0.0	20.0	38.7	17.7	0.0	7	8	0.0	16	50
44	0.00	40	3	8	1.10	-4.8	0.0	24	4	1	5.9	5.9	0	0.0	0.0	0.0	20.0	38.7	17.7	0.0	0	0	0.0	16	0
2.5	0.26	74	5	8	1.10	-4.7	0.0	24	4	1	5.9	5.9	2	0.0	-3.9	0.0	20.0	38.7	17.7	0.0	9	10	0.0	16	50
43	0.00	1	1	2	1.10	0.8	0.0	21	1	0	5.9	5.9	1	0.0	-3.9	0.0	20.0	38.7	13.4	0.0	8	10	0.0	16	70
44	0.00	40	3	2	1.10	-2.6	0.0	21	3	1	5.9	5.9	2	0.0	2.4	0.0	20.0	38.7	13.4	0.0	5	6	0.0	16	259
2.5	0.36	74	5	2	1.10	1.6	0.0	21	2	1	5.9	5.9	2	0.0	3.6	0.0	20.0	38.7	13.4	0.0	8	9	0.0	16	70
44	0.00	1	1	2	1.10	1.7	0.0	21	2	1	5.9	5.9	2	0.0	-3.8	0.0	20.0	38.7	13.4	0.0	8	9	0.0	16	70
45	0.00	40	3	2	1.10	-2.6	0.0	21	3	1	5.9	5.9	2	0.0	-2.5	0.0	20.0	38.7	13.4	0.0	5	6	0.0	16	259
2.5	0.34	74	5	6	1.10	0.5	0.0	21	1	0	5.9	5.9	1	0.0	3.6	0.0	20.0	38.7	13.4	0.0	7	9	0.0	16	70
3	0.00	11	1	9	1.10	3.5	0.0	23	4	1	5.9	5.9	7	0.0	-2.0	0.0	20.0	38.7	17.7	0.0	4	5	0.0	16	50
43	0.00	40	3	9	1.10	3.5	0.0	23	4	1	5.9	5.9	0	0.0	0.0	0.0	20.0	38.7	17.7	0.0	0	0	0.0	16	0
2.5	0.34	74	5	9	1.10	3.5	0.0	23	4	1	5.9	5.9	7	0.0	-2.4	0.0	20.0	38.7	17.7	0.0	5	6	0.0	16	50
5	0.00	11	1	2	1.10	3.7	0.0	23	4	1	5.9	5.9	7	0.0	-2.1	0.0	20.0	38.7	17.7	0.0	4	5	0.0	16	50
45	0.00	40	3	2	1.10	3.7	0.0	23	4	1	5.9	5.9	0	0.0	0.0	0.0	20.0	38.7	17.7	0.0	0	0	0.0	16	0
2.5	0.32	74	5	7	1.10	3.5	0.0	23	4	1	5.9	5.9	7	0.0	-2.4	0.0	20.0	38.7	17.7	0.0	5	6	0.0	16	50
46	0.00	11	1	9	1.10	-3.4	0.0	24	3	1	5.9	5.9	10	0.0	1.6	0.0	20.0	38.7	17.7	0.0	3	4	0.0	16	70
21	0.00	40	3	9	1.10	-3.7	0.0	24	3	1	5.9	5.9	8	0.0	1.6	0.0	20.0	38.7	17.7	0.0	4	4	0.0	16	49
2.5	0.39	74	5	9	1.10	-3.5	0.0	24	3	1	5.9	5.9	5	0.0	1.6	0.0	20.0	38.7	17.7	0.0	4	4	0.0	16	70
47	0.00	11	1	2	1.10	-5.9	0.0	24	5	2	5.9	5.9	8	0.0	2.3	0.0	20.0	38.7	17.7	0.0	5	6	0.0	16	70
22	0.00	40	3	2	1.10	-9.5	0.0	25	7	3	5.9	5.9	2	0.0	-2.7	0.0	20.0	38.7	17.7	0.0	6	7	0.0	16	49
2.5	0.35	74	5	2	1.10	-9.5	0.0	25	7	3	5.9	5.9	2	0.0	-3.9	0.0	20.0	38.7	17.7	0.0	9	10	0.0	16	70
48	0.00	11	1	2	1.10	-4.1	0.0	24	3	1	5.9	5.9	7	0.0	2.5	0.0	20.0	38.7	17.7	0.0	5	6	0.0	16	70
23	0.00	40	3	2	1.10	-5.0	0.0	24	4	1	5.9	5.9	10	0.0	2.7	0.0	20.0	38.7	17.7	0.0	5	7	0.0	16	49
2.5	0.31	74	5	2	1.10	-5.0	0.0	24	4	1	5.9	5.9	2	0.0	-2.4	0.0	20.0	38.7	17.7	0.0	5	6	0.0	16	70
49	0.00	11	1	2	1.10	-4.4	0.0	24	3	1	5.9	5.9	8	0.0	2.6	0.0	20.0	38.7	17.7	0.0	5	6	0.0	16	70
24	0.00	40	3	2	1.10	-6.8	0.0	24	5	2	5.9	5.9	2	0.0	-1.6	0.0	20.0	38.7	17.7	0.0	4	4	0.0	16	49
2.5	0.30	74	5	2	1.10	-6.8	0.0	24	5	2	5.9	5.9	2	0.0	-3.1	0.0	20.0	38.7	17.7	0.0	7	8	0.0	16	70
50	0.00	11	1	2	1.10	-4.3	0.0	24	3	1	5.9	5.9	7	0.0	2.6	0.0	20.0	38.7	17.7	0.0	5	6	0.0	16	70
25	0.00	40	3	2	1.10	-5.0	0.0	24	4	1	5.9	5.9	8	0.0	2.7	0.0	20.0	38.7	17.7	0.0	5	7	0.0	16	49
2.5	0.31	74	5	2	1.10	-5.0	0.0	24	4	1	5.9	5.9	2	0.0	-2.0	0.0	20.0	38.7	17.7	0.0	4	5	0.0	16	70
51	0.00	11	1	2	1.10	-5.7	0.0	24	4	2	5.9	5.9	10	0.0	2.3	0.0	20.0	38.7	17.7	0.0	5	6	0.0	16	70
26	0.00	40	3	2	1.10	-9.4	0.0	25	7	3	5.9	5.9	2	0.0	-3.1	0.0	20.0	38.7	17.7	0.0	6	8	0.0	16	49
2.5	0.34	74	5	2	1.10	-9.4	0.0	25	7	3	5.9	5.9	2	0.0	-4.3	0.0	20.0	38.7	17.7	0.0	9	11	0.0	16	70
52	0.00	11	1	2	1.10	-3.9	0.0	24	3	1	5.9	5.9	8	0.0	1.6	0.0	20.0	38.7	17.7	0.0	3	4	0.0	16	70
27	0.00	40	3	2	1.10	-3.9	0.0	24	3	1	5.9	5.9	8	0.0	2.0	0.0	20.0	38.7	17.7	0.0	4	5	0.0	16	49
2.5	0.40	74	5	7	1.10	-3.6	0.0	24	3	1	5.9	5.9	8	0.0	2.0	0.0	20.0	38.7	17.7	0.0	4	5	0.0	16	70
46	0.00	1	1	2	1.10	-1.2	0.0	21	1	0	5.9	5.9	1	0.0	-1.9	0.0	20.0	38.7	13.4	0.0	4	4	0.0	16	70
47	0.00	40	3	2	1.10	-1.5	0.0	21	2	1	5.9	5.9	1	0.0	1.2	0.0	20.0	38.7	13.4	0.0	2	3	0.0	16	229
2.5	0.31	74	5	8	1.10	1.3	0.0	21	2	0	5.9	5.9	2	0.0	2.0	0.0	20.0	38.7	13.4	0.0	4	5	0.0	16	70
47	0.00	1	1	8	1.10	1.3	0.0	21	2	0	5.9	5.9	2	0.0	-1.7	0.0	20.0	38.7	13.4	0.0	3	4	0.0	16	70
48	0.00	40	3	2	1.10	-0.8	0.0	21	1	0	5.9	5.9	1	0.0	1.6	0.0	20.0	38.7	13.4	0.0	3	4	0.0	16	229

2.5	0.29	74	5	2	1.10	2.1	0.0	21	3	1	5.9	5.9	2	0.0	2.8	0.0	20.0	38.7	13.4	0.0	5	7	0.0	16	70
48	0.00	1	1	2	1.10	2.1	0.0	21	3	1	5.9	5.9	2	0.0	-2.8	0.0	20.0	38.7	13.4	0.0	6	7	0.0	16	70
49	0.00	40	3	2	1.10	-0.7	0.0	21	1	0	5.9	5.9	1	0.0	-1.6	0.0	20.0	38.7	13.4	0.0	3	4	0.0	16	229
2.5	0.30	74	5	2	1.10	1.6	0.0	21	2	1	5.9	5.9	1	0.0	2.4	0.0	20.0	38.7	13.4	0.0	5	6	0.0	16	70
49	0.00	1	1	2	1.10	1.6	0.0	21	2	1	5.9	5.9	1	0.0	-2.5	0.0	20.0	38.7	13.4	0.0	5	6	0.0	16	70
50	0.00	40	3	2	1.10	-0.6	0.0	21	1	0	5.9	5.9	1	0.0	1.6	0.0	20.0	38.7	13.4	0.0	4	4	0.0	16	229
2.5	0.30	74	5	2	1.10	2.3	0.0	21	3	1	5.9	5.9	1	0.0	2.7	0.0	20.0	38.7	13.4	0.0	6	7	0.0	16	70
50	0.00	1	1	2	1.10	2.4	0.0	21	3	1	5.9	5.9	1	0.0	-2.7	0.0	20.0	38.7	13.4	0.0	6	7	0.0	16	70
51	0.00	40	3	2	1.10	-0.9	0.0	21	1	0	5.9	5.9	1	0.0	-1.8	0.0	20.0	38.7	13.4	0.0	4	4	0.0	16	229
2.5	0.30	74	5	10	1.10	1.3	0.0	21	2	0	5.9	5.9	8	0.0	1.6	0.0	20.0	38.7	13.4	0.0	3	4	0.0	16	70
51	0.00	1	1	10	1.10	1.2	0.0	21	2	0	5.9	5.9	2	0.0	-2.0	0.0	20.0	38.7	13.4	0.0	4	5	0.0	16	70
52	0.00	40	3	2	1.10	-2.0	0.0	21	3	1	5.9	5.9	1	0.0	-1.2	0.0	20.0	38.7	13.4	0.0	2	3	0.0	16	229
2.5	0.32	74	5	2	1.10	-1.6	0.0	21	2	1	5.9	5.9	1	0.0	2.0	0.0	20.0	38.7	13.4	0.0	4	5	0.0	16	70

STAMPA PROGETTO S.L.V. - E.C. - PILASTRI

Filo Iniz / Fin. Ctg©	Quota Iniz / Finale N/Nc	Tr at	Sez Bas Alt	Conc io	VERIFICA A PRESSO-FLESSIONE									V E R I F I C A A T A G L I O E T O R S I O N E												
					Co Nr	M Exd (kN*10)*m	M Eyd (kN*10)*m	N Ed kN*10	x/ /d	εf% 100	εc% 100	Area b	cmq h	Co Nr	V Exd kN*10	V Eyd kN*10	T Sdu kN10m	V Rxd kN*10	V Ryd kN*10	TRd (kN*10)*m	TRld (kN*10)*m	Coe Cls	Coe Sta	ALon cmq	staffe Pass	Lun
1	0.00	2	1	2	2.2	2.4	-3.4	8	6	5.5	6.0	2		-0.6	0.6	0.0	27.2	28.6	3.2	0.0	4	2	0.0	12	130
1	3.90	30	3	2	1.3	1.6	-2.8	5	4	5.5	6.0	1		-0.4	0.4	0.0	27.2	28.6	3.2	0.0	3	2	0.0	19	170
2.5	0.01	50	5	2	0.0	0.3	-1.7	0	0	4.9	6.6	2		-0.6	0.6	0.0	27.2	28.6	3.2	0.0	4	2	0.0	12	50
2	0.00	2	1	2	4.7	2.3	-1.9	12	8	5.8	5.8	2		-0.6	1.3	0.0	27.1	28.5	3.2	0.0	6	3	0.0	12	130
2	3.90	30	3	2	2.8	1.5	-1.2	8	5	5.7	5.8	1		-0.4	0.7	0.0	18.4	21.6	2.0	0.0	3	3	0.0	19	170
2.5	0.01	50	5	2	0.0	0.3	-0.2	1	0	4.7	6.8	2		-0.6	1.3	0.0	27.1	28.5	3.2	0.0	6	3	0.0	12	50
3	0.00	2	1	2	4.0	2.6	-4.3	11	8	5.7	5.8	2		-0.6	1.1	0.0	27.2	28.7	3.2	0.0	6	3	0.0	12	129
3	3.90	30	3	2	2.4	1.7	-3.6	7	5	5.6	5.9	2		-0.6	1.1	0.0	27.2	28.7	3.2	0.0	6	5	0.0	19	171
2.5	0.01	50	5	2	0.1	0.3	-2.6	0	1	5.0	6.5	2		-0.6	1.1	0.0	27.2	28.7	3.2	0.0	6	3	0.0	12	50
4	0.00	2	1	2	3.3	2.4	-6.4	9	7	5.4	6.1	2		-0.6	0.9	0.0	27.4	28.9	3.2	0.0	5	2	0.0	12	130
4	3.90	30	3	2	2.0	1.6	-5.7	5	4	5.4	6.2	8		-0.2	-1.3	0.0	18.4	21.6	2.0	0.0	5	6	0.0	19	170
2.5	0.02	50	5	2	0.1	0.4	-4.7	0	1	5.1	6.4	2		-0.6	0.9	0.0	27.4	28.9	3.2	0.0	5	2	0.0	12	50
5	0.00	2	1	2	4.2	2.2	-4.2	10	7	5.8	5.7	2		-0.5	1.2	0.0	27.2	28.7	3.2	0.0	6	3	0.0	12	129
5	3.90	30	3	2	2.5	1.4	-3.6	6	4	5.8	5.8	1		-0.4	0.8	0.0	18.4	21.6	2.0	0.0	3	3	0.0	19	171
2.5	0.01	50	5	2	0.1	0.3	-2.5	0	0	5.0	6.5	2		-0.5	1.2	0.0	27.2	28.7	3.2	0.0	6	3	0.0	12	50
6	0.00	2	1	2	4.6	2.4	-1.9	13	8	5.7	5.8	2		-0.6	1.3	0.0	27.1	28.5	3.2	0.0	6	3	0.0	12	130
6	3.90	30	3	2	2.8	1.6	-1.3	8	5	5.7	5.8	1		-0.4	0.7	0.0	27.1	28.5	3.2	0.0	4	3	0.0	19	170
2.5	0.01	50	5	2	0.0	0.3	-0.2	1	0	4.7	6.8	2		-0.6	1.3	0.0	27.1	28.5	3.2	0.0	6	3	0.0	12	50
7	0.00	2	1	2	2.4	2.1	-3.4	8	5	5.6	5.9	2		-0.5	0.7	0.0	27.2	28.6	3.2	0.0	4	1	0.0	12	130
7	3.90	30	3	2	1.4	1.4	-2.7	5	3	5.6	6.0	1		-0.4	0.5	0.0	18.4	21.6	2.0	0.0	2	2	0.0	19	170
2.5	0.01	50	5	2	0.0	0.3	-1.7	0	0	5.0	6.6	2		-0.5	0.7	0.0	27.2	28.6	3.2	0.0	4	1	0.0	12	50
8	0.00	2	1	2	2.2	4.9	-4.8	15	9	5.2	6.3	1		-0.8	0.4	0.0	27.2	28.7	3.2	0.0	4	2	0.0	12	138
8	4.15	30	3	2	1.3	3.2	-4.1	9	6	5.2	6.4	2		-1.2	0.6	0.0	18.4	21.6	2.0	0.0	6	6	0.0	19	187
2.5	0.02	50	5	2	0.1	0.5	-3.0	1	1	4.9	6.6	1		-0.8	0.4	0.0	27.2	28.7	3.2	0.0	4	2	0.0	12	50
9	0.00	2	1	2	4.0	5.2	-12.0	16	12	5.2	6.3	2		-1.2	1.0	0.0	27.7	29.3	3.2	0.0	7	4	0.0	12	137
9	4.15	30	3	2	2.5	3.4	-11.2	9	7	5.2	6.3	2		-1.2	1.0	0.0	27.7	29.3	3.2	0.0	7	6	0.0	19	188
2.5	0.04	50	5	2	0.2	0.6	-10.1	0	1	5.2	6.3	2		-1.2	1.0	0.0	27.7	29.3	3.2	0.0	7	4	0.0	12	50
10	0.00	2	1	2	4.7	4.6	-6.1	17	12	5.5	6.0	2		-1.1	1.2	0.0	27.3	28.8	3.2	0.0	8	3	0.0	12	138
10	4.15	30	3	2	2.9	3.0	-5.3	10	7	5.5	6.0	1		-0.8	0.8	0.0	27.3	28.8	3.2	0.0	5	4	0.0	19	187
2.5	0.02	50	5	2	0.1	0.5	-4.2	0	1	5.0	6.5	2		-1.1	1.2	0.0	27.3	28.8	3.2	0.0	8	3	0.0	12	50
11	0.00	2	1	2	4.7	4.9	-6.1	18	12	5.5	6.0	2		-1.2	1.2	0.0	27.3	28.8	3.2	0.0	8	3	0.0	12	138
11	4.15	30	3	2	2.8	3.1	-5.4	11	7	5.5	6.0	2		-1.2	1.2	0.0	27.3	28.8	3.2	0.0	8	6	0.0	19	187
2.5	0.02	50	5	2	0.1	0.5	-4.3	0	1	5.0	6.5	2		-1.2	1.2	0.0	27.3	28.8	3.2	0.0	8	3	0.0	12	50
12	0.00	2	1	2	4.0	5.1	-12.0	16	12	5.2	6.3	2		-1.2	1.0	0.0	27.7	29.3	3.2	0.0	7	4	0.0	12	137
12	4.15	30	3	2	2.5	3.3	-11.2	9	7	5.2	6.3	2		-1.2	1.0	0.0	27.7	29.3	3.2	0.0	7	6	0.0	19	188
2.5	0.04	50	5	1	0.2	0.5	-11.8	0	1	5.2	6.3	2		-1.2	1.0	0.0	27.7	29.3	3.2	0.0	7	4	0.0	12	50
13	0.00	2	1	2	2.2	4.7	-4.8	15	9	5.2	6.3	1		-0.8	0.4	0.0	27.3	28.7	3.2	0.0	4	2	0.0	12	138
13	4.15	30	3	2	1.3	3.0	-4.1	9	6	5.2	6.3	2		-1.1	0.6	0.0	18.4	21.6	2.0	0.0	6	6	0.0	19	187
2.5	0.02	50	5	2	0.1	0.5	-3.0	1	1	4.9	6.6	1		-0.8	0.4	0.0	27.3	28.7	3.2	0.0	4	2	0.0	12	50
14	0.00	2	1	3	1.4	7.8	-3.5	18	11	5.3	8.8	3		-1.9	0.3	0.0	27.3	28.8	3.2	0.0	8	6	0.0	12	137
14	4.15	30	3	3	0.8	5.0	-2.9	15	8	5.2	6.3	3		-1.9	0.3	0.0	18.4	21.6	2.0	0.0	8	10	0.0	19	188
2.5	0.02	50	5	3	0.0	0.7	-2.1	2	1	4.9	6.6	3		-1.9	0.3	0.0	27.3	28.8	3.2	0.0	8	6	0.0	12	50
16	0.00	2	1	2	5.6	5.7	-7.7	17	13	5.5	8.7	2		-1.4	1.5	0.0	27.4	28.9	3.2	0.0	9	4	0.0	12	137
16	4.15	30	3	3	1.3	5.1	-3.8	15	9	5.5	6.0	3		-1.9	0.5	0.0	18.4	21.6	2.0	0.0	8	10	0.0	19	188
2.5	0.02	50	5	4	0.1	0.7	-2.9	1	1	5.1	6.5	2		-1.4	1.5	0.0	27.4	28.9	3.2	0.0	9	4	0.0	12	50
17	0.00	2	1	2	8.8	5.9	-10.1	22	17	5.8	8.5	2		-1.4	2.3	0.0	27.6	29.1	3.2	0.0	12	6	0.0	12	137
17	4.15	30	3	2	5.4	3.8	-9.4	15	11	5.7	5.8	3		-1.9	0.9	0.0	18.4	21.6	2.0	0.0	9	10	0.0	19	188
2.5	0.03	50	5	4	0.1	0.8	-4.1	1	1	5.1	6.4	2		-1.4	2.3	0.0	27.6	29.1	3.2	0.0	12	6	0.0	12	50
18	0.00	2	1	2	5.5	5.8	-7.6	17	13	5.5	8.8	2		-1.4	1.4	0.0	27.4	28.9	3.2	0.0	9	4	0.0	12	137
18	4.15	30	3	3	1.2	5.1	-3.7	16	9	5.5	6.0	3		-1.9	0.5	0.0	18.4	21.6	2.0	0.0	8	10	0.0	19	188
2.5	0.02	50	5	3	0.1	0.8	-2.9	1	1	5.0	6.5	2		-1.4	1.4	0.0	27.4	28.9	3.2	0.0	9	4	0.0	12	50
20	0.00	2	1	3	1.7	7.4	-3.4	21	12	5.3	7.5	3		-1.8	0.4	0.0	27.3	28.8	3.2	0.0	8	6	0.0	12	137
20	4.15	30	3	3	1.0	4.7	-2.9	14	8	5.3	6.2	3		-1.8	0.4	0.0	18.4	21.6	2.0	0.0	8	9	0.0	19	188
2.5	0.02	50	5	4	0.0	0.7	-2.0	1	1	5.0	6.5	3		-1.8	0.4	0.0	27.3	28.8	3.2	0.0	8	6	0.0	12	50
21	0.00	2	1	3	1.0	4.1	-2.5	13	7	5.7	5.8	3		-1.0	0.3	0.0	27.2	28.7	3.2	0.0	4	3	0.0	12	130
21	3.90	30	3	3	0.6	2.6	-2.0	8	4	5.6	5.9	3		-1.0	0.3	0.0	18.4	21.6	2.0	0.0	4	5	0.0	19	170
2.5	0.01	50	5	4	0.0	0.4	-1.1	1	1	5.0	6.5	3		-1.0	0.3	0.0	27.2	28.7	3.2	0.0	4	3	0.0	12	50
22	0.00	2	1	2	10.9	1.9	-7.2	20	13	6.6	5.0	2		-0.4	3.1	0.0	27.4	28.9	3.2	0.0	12	5	0.0	12	130
22	3.90	30	3	2	6.6	1.3	-6.5	11	7	6.2	5.4	2		-0.4	3.1	0.0	27.4	28.9	3.2	0.0	12	9	0.0	19	170
2.5	0.02	50	5	3	0.1	0.5	-2.9	1	1	5.2	6.3	2		-0.4	3.1	0.0	27.4	28.9	3.2	0.0	12	5	0.0	12	50
23	0.00	2	1	3	2.2	4.3	-3.1	15	9	6.0	5.5	2		-0.5	1.6	0.0	27.3	28.8	3.2	0.0	7	4	0.0	12	130
23	3.90	30	3	3	1.3	2.8	-2.5	9	5	5.9	5.6	3		-1.1	0.6	0.0	27.3	28.8	3.2	0.0	6	5	0.0	19	170
2.5	0.02	50	5	3	0.0	0.5	-1.8	1	1	5.1	6.4	2		-0.5	1.6	0.0	27.3	28.8	3.2	0.0	7	4	0.0	12	50
24	0.00	2	1	3	2.8	4.3	-2.8	15	9	6.1	5.4	2		-0.4	2.2	0.0	27.2	28.7	3.2	0.0	9	4	0.0	12	129
24	3.90	30	3	3	1.7	2.7	-2.3	10	6	6.1	5.5	2		-0.4	2.2	0.0	27.2	28.7	3.2	0.0	9	6	0.0	19	171
2.5	0.01	50	5	4	0.0	0.4	-1.4	1	1	5.1	6.4	2		-0.4	2.2	0.0	27.2	28.7	3.2	0.0	9	4	0.0	12	50
25	0.00	2	1	3	2.1	4.2	-3.1	15	9	6.0	5.5	2		-0.4	1.6	0.0	27.3	28.8	3.2	0.0	7	4	0.0	12	130
25	3.90	30	3	3	1.3	2.7	-2.6	9	5	6.0	5.5	3		-1.1	0.6	0.0	18.4	21.6	2.0	0.0	5	5	0.0	19	170
2.5	0.02	50	5	4	0.0	0.5	-1.7	1	1	5.1	6.4	2		-0.4	1.6	0.0	27.3	28.8	3.2	0.0	7	4	0.0	12	50
26	0.00	2	1	2	10.9	1.9	-7.2	20	13	6.6	5.0	2		-0.4	3.1	0.0	27.4	28.9	3.2	0.0	12	6	0.0	12	130
26	3.90	30	3	2	6.6	1.3	-6.5	11	7	6.2	5.3	2		-0.4	3.1	0.0	27.4	28.9	3.2	0.0	12	9	0.0	19	170
2.5	0.02	50	5	4	0.1	0.5	-2.7	1	1	5.2	6.3	2		-0.4	3.1	0.0	27.4	28.9	3.2	0.0	12	6	0.0	12	50

27	0.00	2	1	3	1.6	3.9	-2.6	13	7	5.8	5.7	2	-0.4	0.7	0.0	27.2	28.7	3.2	0.0	3	2	0.0	12	130
27	3.90	30	3	3	0.9	2.5	-2.1	8	5	5.7	5.8	3	-1.0	0.4	0.0	18.4	21.6	2.0	0.0	5	5	0.0	19	170
2.5	0.01	50	5	3	0.0	0.4	-1.3	1	1	5.1	6.4	2	-0.4	0.7	0.0	27.2	28.7	3.2	0.0	3	2	0.0	12	50

STAMPA PROGETTO S.L.V. - E.C. - LEGNO

Mat. N.ro	Comb N.ro	Classe durata di riferimento	fmd kg/cmq	fcd kg/cmq	ftd kg/cmq	fvd kg/cmq
101	0	Permanente	144.0	126.0	84.0	13.2
	1	Istantaneo	264.0	231.0	154.0	24.2
	2	Istantaneo	264.0	231.0	154.0	24.2
	3	Istantaneo	264.0	231.0	154.0	24.2
	4	Istantaneo	264.0	231.0	154.0	24.2
	5	Istantaneo	264.0	231.0	154.0	24.2
	6	Istantaneo	264.0	231.0	154.0	24.2
	7	Istantaneo	264.0	231.0	154.0	24.2
	8	Istantaneo	264.0	231.0	154.0	24.2
	9	Istantaneo	264.0	231.0	154.0	24.2
	10	Istantaneo	264.0	231.0	154.0	24.2

VERIFICHE ASTE IN LEGNO

DATI DI ASTA	Fili N.ro	Quota (m)	Trat to	Cmb N.r	N Sd (daN)	MxSd (daN*m)	MySd (daN*m)	VxSd (daN)	VySd (daN)	T Sd (daN*m)	σn	σMx	σMy	τx (daN/cmq)	τy	τMt	Rapp. Fless	Rapp. Taglio
Sez.N.933	1	3.90		3	-179	-42	133	93	455	-46	0	0	4	0	1	2	0.01	0.12
Leg18x68.7	qn=	-442		4	-60	89	179	92	-148	-46	0	1	5	0	0	2	0.02	0.11
Asta: 68	8	4.15		2	-1104	-1187	-125	54	-1360	-33	1	8	3	0	2	2	0.04	0.14
Instab.:l= 381.0	ß*l= 266.7				-1104	-1187	-125	lrx=0.20	lry=0.77	Rx=0.00	Ry=0.04	Wmax/rel/lim=1.21				0.02	1.27 cm	
Sez.N.933	8	4.15		4	-36	-556	279	119	741	-40	0	4	8	0	1	2	0.04	0.13
Leg18x68.7	qn=	-443		3	-86	409	-79	119	-121	-40	0	3	2	0	0	2	0.02	0.10
Asta: 69	14	4.15		3	-86	-1138	-436	119	-942	-40	0	8	12	0	1	2	0.07	0.14
Instab.:l= 580.0	ß*l= 406.0				-87	-1195	0	lrx=0.31	lry=1.18	Rx=0.08	Ry=0.05	Wmax/rel/lim=1.95				0.22	1.93 cm	
Sez.N.933	14	4.15		3	157	-1053	-456	-114	992	64	0	7	12	0	1	3	0.07	0.19
Leg18x68.7	qn=	-443		3	122	538	-122	-114	170	64	0	4	3	0	0	3	0.02	0.15
Asta: 70	21	3.90		4	54	-62	212	-114	-699	64	0	0	6	0	1	3	0.02	0.18
Instab.:l= 580.4	ß*l= 406.3				-35	-932	411	lrx=0.31	lry=1.18	Rx=0.05	Ry=0.06	Wmax/rel/lim=1.92				0.16	1.93 cm	
Sez.N.933	21	3.90		0	0	-206	1	1	397	0	0	1	0	0	0	0	0.01	0.05
Leg18x68.7	qn=	-443		0	0	-50	1	1	227	0	0	0	0	0	0	0	0.00	0.03
Asta: 71	28	3.90		5	21	18	0	134	46	0	0	0	0	0	0	0	0.00	0.01
Instab.:l= 100.0	ß*l= 70.0				0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.79				0.10	0.33 cm	
Sez.N.933	35	3.90		0	0	-4	0	0	-56	0	0	0	0	0	0	0	0.00	0.01
Leg18x68.7	qn=	-443		0	0	-75	0	0	-227	0	0	1	0	0	0	0	0.00	0.03
Asta: 72	1	3.90		0	0	-231	0	0	-397	0	0	2	0	0	0	0	0.01	0.05
Instab.:l= 100.0	ß*l= 70.0				0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.56				0.05	0.33 cm	
Sez.N.933	22	3.90		0	0	-394	1	1	593	0	0	3	0	0	1	0	0.03	0.07
Leg18x68.7	qn=	-663		0	0	-157	1	1	353	0	0	1	0	0	0	0	0.01	0.04
Asta: 73	29	3.90		0	0	-41	0	1	113	0	0	0	0	0	0	0	0.00	0.01
Instab.:l= 100.0	ß*l= 70.0				0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.78				0.10	0.33 cm	
Sez.N.933	23	3.90		0	0	-336	1	1	593	0	0	2	0	0	1	0	0.02	0.07
Leg18x68.7	qn=	-663		0	0	-99	0	1	353	0	0	1	0	0	0	0	0.01	0.04
Asta: 74	30	3.90		0	0	17	0	1	113	0	0	0	0	0	0	0	0.00	0.01
Instab.:l= 100.0	ß*l= 70.0				0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.78				0.10	0.33 cm	
Sez.N.933	24	3.90		0	0	-348	0	0	593	0	0	2	0	0	1	0	0.02	0.07
Leg18x68.7	qn=	-663		0	0	-111	0	0	353	0	0	1	0	0	0	0	0.01	0.04
Asta: 75	31	3.90		0	0	5	0	0	113	0	0	0	0	0	0	0	0.00	0.01
Instab.:l= 100.0	ß*l= 70.0				0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.78				0.10	0.33 cm	
Sez.N.933	25	3.90		0	0	-336	-1	-1	593	0	0	2	0	0	1	0	0.02	0.07
Leg18x68.7	qn=	-663		0	0	-99	0	-1	353	0	0	1	0	0	0	0	0.01	0.04
Asta: 76	32	3.90		0	0	17	0	-1	113	0	0	0	0	0	0	0	0.00	0.01
Instab.:l= 100.0	ß*l= 70.0				0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.77				0.10	0.33 cm	
Sez.N.933	26	3.90		0	0	-394	-1	-1	593	0	0	3	0	0	1	0	0.03	0.07
Leg18x68.7	qn=	-663		0	0	-157	-1	-1	353	0	0	1	0	0	0	0	0.01	0.04
Asta: 77	33	3.90		0	0	-41	0	-1	113	0	0	0	0	0	0	0	0.00	0.01
Instab.:l= 100.0	ß*l= 70.0				0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.78				0.10	0.33 cm	
Sez.N.933	27	3.90		0	0	-206	-1	-1	397	0	0	1	0	0	0	0	0.01	0.05
Leg18x68.7	qn=	-443		1	0	-305	0	0	676	0	0	2	0	0	1	0	0.01	0.03
Asta: 78	34	3.90		3	21	18	0	-136	46	0	0	0	0	0	0	0	0.00	0.01
Instab.:l= 100.0	ß*l= 70.0				0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.78				0.10	0.33 cm	
Sez.N.933	15	4.15		0	-688	4901	0	0	425	0	1	35	0	0	1	0	0.31	0.05
Leg18x68.7	qn=	-663		7	-1040	5244	-145	-39	-7	9	1	37	4	0	0	0	0.15	0.02
Asta: 79	22	3.90		0	-808	-718	1	0	-2362	0	1	5	0	0	3	0	0.05	0.28
Instab.:l= 580.4	ß*l= 406.3				-706	5090	0	lrx=0.31	lry=1.18	Rx=0.33	Ry=0.24	Wmax/rel/lim=2.91				0.55	1.93 cm	
Sez.N.933	16	4.15		1	228	-3316	-119	-34	3260	22	0	23	3	0	4	1	0.10	0.21
Leg18x68.7	qn=	-663		4	-82	839	-121	-114	213	64	0	6	3	0	0	3	0.03	0.15
Asta: 80	23	3.90		3	-76	-499	213	-114	-1031	64	0	4	6	0	1	3	0.03	0.19
Instab.:l= 580.4	ß*l= 406.3				-42	-1692	0	lrx=0.31	lry=1.18	Rx=0.11	Ry=0.08	Wmax/rel/lim=1.89				0.16	1.93 cm	
Sez.N.933	17	4.15		1	-209	-7583	-111	-33	3954	22	0	54	3	0	5	1	0.21	0.25
Leg18x68.7	qn=	-663		4	-65	10	-118	-111	493	64	0	0	3	0	1	3	0.01	0.17
Asta: 81	24	3.90		3	-308	-588	206	-111	-734	64	0	4	6	0	1	3	0.03	0.18
Instab.:l= 580.4	ß*l= 406.3				-97	-3840	0	lrx=0.31	lry=1.18	Rx=0.25	Ry=0.17	Wmax/rel/lim=1.88				0.16	1.93 cm	
Sez.N.933	18	4.15		1	231	-3264	-117	-34	3251	23	0	23	3	0	4	1	0.10	0.21
Leg18x68.7	qn=	-663		4	-90	880	-121	-114	200	64	0	6	3	0	0	3	0.03	0.15
Asta: 82	25	3.90		3	-84	-493	213	-114	-1044	65	0	3	6	0	1	3	0.03	0.20
Instab.:l= 580.4	ß*l= 406.3				-42	-1692	0	lrx=0.31	lry=1.18	Rx=0.11	Ry=0.08	Wmax/rel/lim=1.87				0.16	1.93 cm	
Sez.N.933	19	4.15		0	-688	4901	0	0	425	0	1	35	0	0	1	0	0.31	0.05
Leg18x68.7	qn=	-663		7	-1036	5251	-146	-39	-6	9	1	37	4	0	0	0	0.15	0.02
Asta: 83	26	3.90		0	-808	-718	-1	0	-2362	0	1	5	0	0	3	0	0.05	0.28
Instab.:l= 580.4	ß*l= 406.3				-706	5090	0	lrx=0.31	lry=1.18	Rx=0.33	Ry=0.24	Wmax/rel/lim=2.89				0.55	1.93 cm	
Sez.N.933	20	4.15		3	-26	-933	-456	-114	961	63	0	7	12	0	1	3	0.06	0.19
Leg18x68.7	qn=	-443		3	-62	566	-122	-114	139	63	0	4	3	0	0	3	0.02	0.15
Asta: 84	27	3.90		4	-129	-125	211	-114	-730	63	0	1	6	0	1	3	0.02	0.18
Instab.:l= 580.4	ß*l= 406.3				-26	-933	-456	lrx=0.31	lry=1.18	Rx=0.06	Ry=0.06	Wmax/rel/lim=1.88				0.15	1.93 cm	
Sez.N.933	9	4.15		0	-705	-6075	0	0	3287	0	1	43	0	0	4	0	0.39	0.39
Leg18x68.7	qn=	-663		0	-705	1437	0	0	1894	0	1	10	0	0	2	0	0.09	0.23

Asta: 85	15	4.15	0	-705	4908	0	0	500	0	1	35	0	0	1	0	0.31	0.06		
Instab.:l= 580.0	ß*l= 406.0			-705	-6075	0	lrx=0.31	lry=1.18	Rx=0.39	Ry=0.28	Wmax/rel/lim=2.92				0.34		1.93	cm	
Sez.N.933	10	4.15	0	-174	-843	0	0	1244	0	0	6	0	0	2	0	0.05	0.15		
Leg18x68.7	qn= -663		3	-287	652	-79	119	-180	-40	0	5	2	0	0	2	0.02	0.10		
Asta: 86	16	4.15	0	-174	-1714	0	0	-1544	0	0	12	0	0	2	0	0.11	0.18		
Instab.:l= 580.0	ß*l= 406.0			-174	-1714	0	lrx=0.31	lry=1.18	Rx=0.11	Ry=0.08	Wmax/rel/lim=1.93				0.23		1.93	cm	
Sez.N.933	11	4.15	0	-174	-843	0	0	1244	0	0	6	0	0	2	0	0.05	0.15		
Leg18x68.7	qn= -663		3	-249	634	-78	119	-142	-40	0	4	2	0	0	2	0.02	0.10		
Asta: 87	18	4.15	0	-174	-1714	0	0	-1544	0	0	12	0	0	2	0	0.11	0.18		
Instab.:l= 580.0	ß*l= 406.0			-174	-1714	0	lrx=0.31	lry=1.18	Rx=0.11	Ry=0.08	Wmax/rel/lim=1.91				0.22		1.93	cm	
Sez.N.933	12	4.15	0	-705	-6075	0	0	3287	0	1	43	0	0	4	0	0.39	0.39		
Leg18x68.7	qn= -663		0	-705	1437	0	0	1894	0	1	10	0	0	2	0	0.09	0.23		
Asta: 88	19	4.15	0	-705	4908	0	0	500	0	1	35	0	0	1	0	0.31	0.06		
Instab.:l= 580.0	ß*l= 406.0			-705	-6075	0	lrx=0.31	lry=1.18	Rx=0.39	Ry=0.28	Wmax/rel/lim=2.90				0.34		1.93	cm	
Sez.N.933	13	4.15	4	-201	-648	279	119	778	-39	0	5	8	0	1	2	0.04	0.13		
Leg18x68.7	qn= -443		3	-250	433	-78	119	-84	-39	0	3	2	0	0	2	0.02	0.09		
Asta: 89	20	4.15	3	-250	-996	-437	119	-905	-39	0	7	12	0	1	2	0.06	0.13		
Instab.:l= 580.0	ß*l= 406.0			-87	-1195	0	lrx=0.31	lry=1.18	Rx=0.08	Ry=0.05	Wmax/rel/lim=1.91				0.22		1.93	cm	
Sez.N.933	2	3.90	10	-1030	-851	-24	-18	-51	8	1	6	1	0	0	0	0.02	0.02		
Leg18x68.7	qn= -662		2	-2093	-3708	-10	56	-2765	-33	2	26	0	0	3	2	0.10	0.21		
Asta: 90	9	4.15	2	-1988	-10500	-117	56	-4366	-33	2	74	3	0	5	2	0.29	0.29		
Instab.:l= 381.0	ß*l= 266.7			-156	-5902	0	lrx=0.20	lry=0.77	Rx=0.00	Ry=0.26	Wmax/rel/lim=1.20				0.15		1.27	cm	
Sez.N.933	3	3.90	4	-588	-386	140	95	716	-45	0	3	4	0	1	2	0.02	0.14		
Leg18x68.7	qn= -662		3	-389	362	183	95	-151	-45	0	3	5	0	0	2	0.03	0.11		
Asta: 91	10	4.15	2	-2367	-1659	-130	64	-2022	-30	2	12	3	0	2	2	0.05	0.17		
Instab.:l= 381.0	ß*l= 266.7			-2367	-1659	-130	lrx=0.20	lry=0.77	Rx=0.00	Ry=0.05	Wmax/rel/lim=1.19				0.02		1.27	cm	
Sez.N.933	5	3.90	4	-528	-363	141	95	680	-47	0	3	4	0	1	2	0.02	0.14		
Leg18x68.7	qn= -662		3	-329	315	184	95	-187	-47	0	2	5	0	0	2	0.02	0.11		
Asta: 92	11	4.15	2	-2300	-1784	-127	66	-2062	-32	2	13	3	0	3	2	0.06	0.17		
Instab.:l= 381.0	ß*l= 266.7			-2300	-1784	-127	lrx=0.20	lry=0.77	Rx=0.00	Ry=0.06	Wmax/rel/lim=1.18				0.02		1.27	cm	
Sez.N.933	6	3.90	10	-1027	-850	-19	-16	-53	9	1	6	1	0	0	0	0.02	0.02		
Leg18x68.7	qn= -662		2	-2109	-3707	2	61	-2761	-31	2	26	0	0	3	2	0.10	0.21		
Asta: 93	12	4.15	0	-156	-5902	0	0	-2342	0	0	42	0	0	3	0	0.38	0.28		
Instab.:l= 381.0	ß*l= 266.7			-156	-5902	0	lrx=0.20	lry=0.77	Rx=0.00	Ry=0.26	Wmax/rel/lim=1.17				0.16		1.27	cm	
Sez.N.933	7	3.90	3	-290	-87	136	93	478	-46	0	1	4	0	1	2	0.02	0.13		
Leg18x68.7	qn= -442		4	-171	100	182	94	-125	-46	0	1	5	0	0	2	0.02	0.11		
Asta: 94	13	4.15	2	-1054	-1204	-123	63	-1370	-31	1	9	3	0	2	2	0.04	0.14		
Instab.:l= 381.0	ß*l= 266.7			-1054	-1204	-123	lrx=0.20	lry=0.77	Rx=0.00	Ry=0.04	Wmax/rel/lim=1.17				0.02		1.27	cm	
Sez.N.933	36	3.90	0	0	9	0	0	-113	0	0	0	0	0	0	0	0.00	0.01		
Leg18x68.7	qn= -663		0	0	-108	0	0	-353	0	0	1	0	0	0	0	0.01	0.04		
Asta: 95	2	3.90	0	0	-345	0	0	-594	0	0	2	0	0	1	0	0.02	0.07		
Instab.:l= 100.0	ß*l= 70.0			0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.55				0.05		0.33	cm	
Sez.N.933	37	3.90	0	0	8	0	0	-113	0	0	0	0	0	0	0	0.00	0.01		
Leg18x68.7	qn= -663		0	0	-109	0	0	-353	0	0	1	0	0	0	0	0.01	0.04		
Asta: 96	3	3.90	0	0	-345	0	0	-594	0	0	2	0	0	1	0	0.02	0.07		
Instab.:l= 100.0	ß*l= 70.0			0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.54				0.05		0.33	cm	
Sez.N.933	38	3.90	0	0	-25	0	0	-113	0	0	0	0	0	0	0	0.00	0.01		
Leg18x68.7	qn= -663		0	0	-141	0	0	-353	0	0	1	0	0	0	0	0.01	0.04		
Asta: 97	4	3.90	0	0	-378	0	0	-594	0	0	3	0	0	1	0	0.02	0.07		
Instab.:l= 100.0	ß*l= 70.0			0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.54				0.05		0.33	cm	
Sez.N.933	39	3.90	0	0	8	0	0	-113	0	0	0	0	0	0	0	0.00	0.01		
Leg18x68.7	qn= -663		0	0	-109	0	0	-353	0	0	1	0	0	0	0	0.01	0.04		
Asta: 98	5	3.90	0	0	-345	0	0	-594	0	0	2	0	0	1	0	0.02	0.07		
Instab.:l= 100.0	ß*l= 70.0			0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.54				0.05		0.33	cm	
Sez.N.933	40	3.90	0	0	9	0	0	-113	0	0	0	0	0	0	0	0.00	0.01		
Leg18x68.7	qn= -663		0	0	-108	0	0	-353	0	0	1	0	0	0	0	0.01	0.04		
Asta: 99	6	3.90	0	0	-345	0	0	-594	0	0	2	0	0	1	0	0.02	0.07		
Instab.:l= 100.0	ß*l= 70.0			0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.54				0.05		0.33	cm	
Sez.N.933	41	3.90	0	0	-4	0	0	-56	0	0	0	0	0	0	0	0.00	0.01		
Leg18x68.7	qn= -443		0	0	-75	0	0	-227	0	0	1	0	0	0	0	0.00	0.03		
Asta: 100	7	3.90	0	0	-231	0	0	-397	0	0	2	0	0	0	0	0.01	0.05		
Instab.:l= 100.0	ß*l= 70.0			0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.54				0.05		0.33	cm	
Sez.N.933	4	3.90	0	-653	-613	0	0	2000	0	1	4	0	0	2	0	0.04	0.24		
Leg18x68.7	qn= -662		0	-593	2326	0	0	1086	0	0	16	0	0	1	0	0.15	0.13		
Asta: 101	42	4.15	0	-533	3525	0	0	173	0	0	25	0	0	0	0	0.22	0.02		
Instab.:l= 381.0	ß*l= 266.7			-533	3525	0	lrx=0.20	lry=0.77	Rx=0.00	Ry=0.16	Wmax/rel/lim=1.64				0.17		1.27	cm	
Sez.N.934	21	3.90	0	38	0	0	0	52	-22	0	0	0	0	0	2	0.00	0.18		
Leg16x36	qn= -20		0	38	48	0	0	0	-22	0	1	0	0	0	2	0.01	0.16		
Asta: 102	22	3.90	0	38	0	0	0	-52	-22	0	0	0	0	0	2	0.00	0.18		
Instab.:l= 370.0	ß*l= 259.0			-1357	45	0	lrx=0.37	lry=0.84	Rx=0.02	Ry=0.02	Wmax/rel/lim=0.47				0.02		1.23	cm	
Sez.N.934	1	3.90	0	0	0	0	0	52	-5	0	0	0	0	0	0	0.00	0.05		
Leg16x36	qn= -20		0	0	48	0	0	0	-5	0	1	0	0	0	0	0.01	0.03		
Asta: 103	2	3.90	0	0	0	0	0	-52	-5	0	0	0	0	0	0	0.00	0.05		
Instab.:l= 370.0	ß*l= 259.0			-2123	45	0	lrx=0.37	lry=0.84	Rx=0.02	Ry=0.02	Wmax/rel/lim=0.47				0.02		1.23	cm	
Sez.N.934	2	3.90	0	-35	0	0	0	52	5	0	0	0	0	0	0	0.00	0.05		
Leg16x36	qn= -20		0	-35	48	0	0	0	5	0	1	0	0	0	0	0.01	0.03		
Asta: 104	3	3.90	0	-35	0	0	0	-52	5	0	0	0	0	0	0	0.00	0.05		
Instab.:l= 370.0	ß*l= 259.0			-1596	45	0	lrx=0.37	lry=0.84	Rx=0.02	Ry=0.02	Wmax/rel/lim=0.43				0.02		1.23	cm	
Sez.N.934	3	3.90	0	14	0	0	0	52	13	0	0	0	0	0	1	0.00	0.11		
Leg16x36	qn= -20		0	14	48	0	0	0	13	0	1	0	0	0	1	0.01	0.10		
Asta: 105	4	3.90	0	14	0	0	0	-52	13	0	0	0	0	0	1	0.00	0.11		
Instab.:l= 370.0	ß*l= 259.0			-1030	45	0	lrx=0.37	lry=0.84	Rx=0.01	Ry=0.01	Wmax/rel/lim=0.48				0.02		1.23	cm	
Sez.N.934	4	3.90	0	14	0	0	0	52	-13	0	0	0	0	0	1	0.00	0.11		
Leg16x36	qn= -20		0	14	48	0	0	0	-13	0	1	0	0	0	1	0.01	0.10		
Asta: 106	5	3.90	0	14	0	0	0	-52	-13	0	0	0	0	0	1	0.00	0.11		
Instab.:l= 370.0	ß*l= 259.0			-504	45	0	lrx=0.37	lry=0.84	Rx=0.01	Ry=0.01	Wmax/rel/lim=0.43				0.02		1.23	cm	
Sez.N.934	5	3.90	0	-35	0	0	0	52	-5	0	0	0	0	0	0	0.00	0.05		
Leg16x36	qn= -20		0	-35	48	0	0	0	-5	0	1	0	0	0	0	0.01	0.03		
Asta: 107	6	3.90	0	-35	0	0	0	-52	-5	0	0	0	0	0	0	0.00	0.05		
Instab.:l= 370.0	ß*l= 259.0			-35	48	0	lrx=0.37	lry=0.84	Rx=0.01	Ry=0.01	Wmax/rel/lim=0.47				0.02		1.23	cm	
Sez.N.934	6	3.90	0	0	0	0	0	52	5	0	0	0	0	0	0	0.00	0.05		
Leg16x36	qn= -20		0	0	48	0	0	0	5	0	1	0	0	0	0	0.01	0.03		
Asta: 108	7	3.90	0	0	0	0	0	-52	5	0	0	0	0	0	0	0.00	0.05		
Instab.:l= 370.0	ß*l= 259.0			0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.42				0.02		1.23	cm	
Sez.N.934	8	4.15	0	-5	0	0	0	52	9	0	0	0	0	0	1	0.00	0.08		
Leg16x36	qn= -20		0	-5	48	0	0	0	9	0	1	0	0	0	1	0.01	0.07		
Asta: 109	9	4.15	0	-5	0	0	0	-52	9	0	0	0	0	0	1	0.00	0.08		
Instab.:l= 370.0	ß*l= 259.0			-4195	45	0	lrx=0.37	lry=0.84	Rx=0.04	Ry=0.04	Wmax/rel/lim=0.48				0.02		1.23	cm	
Sez.N.934	9	4.15	0	-13	0	0	0	52	-9	0	0	0	0	0	1	0.00	0.08		

Leg16x36	qn=	-20	0	-13	48	0	0	0	-9	0	1	0	0	0	1	0.01	0.06
Asta: 110	10	4.15	0	-13	0	0	0	-52	-9	0	0	0	0	0	1	0.00	0.08
Instab.:l= 370.0	ß*l= 259.0		-2963	45	0	lrx=0.37	lry=0.84	Rx=0.03	Ry=0.03	Wmax/rel/lim=0.46		0.02	1.23	cm			
Sez.N.934	11	4.15	0	-13	0	0	0	52	9	0	0	0	0	0	1	0.00	0.08
Leg16x36	qn=	-20	0	-13	48	0	0	0	9	0	1	0	0	0	1	0.01	0.06
Asta: 111	12	4.15	0	-13	0	0	0	-52	9	0	0	0	0	0	1	0.00	0.08
Instab.:l= 370.0	ß*l= 259.0		-13	48	0	lrx=0.37	lry=0.84	Rx=0.01	Ry=0.01	Wmax/rel/lim=0.48		0.02	1.23	cm			
Sez.N.934	12	4.15	0	-5	0	0	0	52	-9	0	0	0	0	0	1	0.00	0.08
Leg16x36	qn=	-20	0	-5	48	0	0	0	-9	0	1	0	0	0	1	0.01	0.07
Asta: 112	13	4.15	0	-5	0	0	0	-52	-9	0	0	0	0	0	1	0.00	0.08
Instab.:l= 370.0	ß*l= 259.0		-5	48	0	lrx=0.37	lry=0.84	Rx=0.01	Ry=0.01	Wmax/rel/lim=0.46		0.02	1.23	cm			
Sez.N.934	14	4.15	0	47	0	0	0	52	3	0	0	0	0	0	0	0.00	0.04
Leg16x36	qn=	-20	0	47	48	0	0	0	3	0	1	0	0	0	0	0.01	0.02
Asta: 113	15	4.15	0	47	0	0	0	-52	3	0	0	0	0	0	0	0.00	0.04
Instab.:l= 370.0	ß*l= 259.0		-3902	45	0	lrx=0.37	lry=0.84	Rx=0.03	Ry=0.04	Wmax/rel/lim=2.20		0.02	1.23	cm			
Sez.N.934	15	4.15	0	47	0	0	0	52	-3	0	0	0	0	0	0	0.00	0.04
Leg16x36	qn=	-20	0	47	48	0	0	0	-3	0	1	0	0	0	0	0.01	0.02
Asta: 114	16	4.15	0	47	0	0	0	-52	-3	0	0	0	0	0	0	0.00	0.04
Instab.:l= 370.0	ß*l= 259.0		-3836	45	0	lrx=0.37	lry=0.84	Rx=0.03	Ry=0.04	Wmax/rel/lim=2.31		0.02	1.23	cm			
Sez.N.934	16	4.15	0	31	0	0	0	52	-6	0	0	0	0	0	0	0.00	0.06
Leg16x36	qn=	-20	0	31	48	0	0	0	-6	0	1	0	0	0	0	0.01	0.04
Asta: 115	17	4.15	0	31	0	0	0	-52	-6	0	0	0	0	0	0	0.00	0.06
Instab.:l= 370.0	ß*l= 259.0		-2418	45	0	lrx=0.37	lry=0.84	Rx=0.02	Ry=0.02	Wmax/rel/lim=0.49		0.02	1.23	cm			
Sez.N.934	17	4.15	0	31	0	0	0	52	6	0	0	0	0	0	0	0.00	0.06
Leg16x36	qn=	-20	0	31	48	0	0	0	6	0	1	0	0	0	0	0.01	0.04
Asta: 116	18	4.15	0	31	0	0	0	-52	6	0	0	0	0	0	0	0.00	0.06
Instab.:l= 370.0	ß*l= 259.0		-996	45	0	lrx=0.37	lry=0.84	Rx=0.01	Ry=0.01	Wmax/rel/lim=0.57		0.02	1.23	cm			
Sez.N.934	18	4.15	0	47	0	0	0	52	3	0	0	0	0	0	0	0.00	0.04
Leg16x36	qn=	-20	0	47	48	0	0	0	3	0	1	0	0	0	0	0.01	0.02
Asta: 117	19	4.15	0	47	0	0	0	-52	3	0	0	0	0	0	0	0.00	0.04
Instab.:l= 370.0	ß*l= 259.0		-359	34	0	lrx=0.37	lry=0.84	Rx=0.01	Ry=0.01	Wmax/rel/lim=2.20		0.02	1.23	cm			
Sez.N.934	19	4.15	0	47	0	0	0	52	-3	0	0	0	0	0	0	0.00	0.04
Leg16x36	qn=	-20	0	47	48	0	0	0	-3	0	1	0	0	0	0	0.01	0.02
Asta: 118	20	4.15	0	47	0	0	0	-52	-3	0	0	0	0	0	0	0.00	0.04
Instab.:l= 370.0	ß*l= 259.0		-501	34	0	lrx=0.37	lry=0.84	Rx=0.01	Ry=0.01	Wmax/rel/lim=2.31		0.02	1.23	cm			
Sez.N.934	22	3.90	0	38	0	0	0	52	22	0	0	0	0	0	2	0.00	0.17
Leg16x36	qn=	-20	0	38	48	0	0	0	22	0	1	0	0	0	2	0.01	0.16
Asta: 119	23	3.90	0	38	0	0	0	-52	22	0	0	0	0	0	2	0.00	0.17
Instab.:l= 370.0	ß*l= 259.0		-945	45	0	lrx=0.37	lry=0.84	Rx=0.01	Ry=0.01	Wmax/rel/lim=0.58		0.02	1.23	cm			
Sez.N.934	23	3.90	0	47	0	0	0	52	3	0	0	0	0	0	0	0.00	0.03
Leg16x36	qn=	-20	0	47	48	0	0	0	3	0	1	0	0	0	0	0.01	0.02
Asta: 120	24	3.90	0	47	0	0	0	-52	3	0	0	0	0	0	0	0.00	0.03
Instab.:l= 370.0	ß*l= 259.0		-545	45	0	lrx=0.37	lry=0.84	Rx=0.01	Ry=0.01	Wmax/rel/lim=0.47		0.02	1.23	cm			
Sez.N.934	24	3.90	0	47	0	0	0	52	-3	0	0	0	0	0	0	0.00	0.03
Leg16x36	qn=	-20	0	47	48	0	0	0	-3	0	1	0	0	0	0	0.01	0.02
Asta: 121	25	3.90	0	47	0	0	0	-52	-3	0	0	0	0	0	0	0.00	0.03
Instab.:l= 370.0	ß*l= 259.0		-165	45	0	lrx=0.37	lry=0.84	Rx=0.01	Ry=0.00	Wmax/rel/lim=0.57		0.02	1.23	cm			
Sez.N.934	25	3.90	0	38	0	0	0	52	-22	0	0	0	0	0	2	0.00	0.17
Leg16x36	qn=	-20	0	38	48	0	0	0	-22	0	1	0	0	0	2	0.01	0.16
Asta: 122	26	3.90	0	38	0	0	0	-52	-22	0	0	0	0	0	2	0.00	0.17
Instab.:l= 370.0	ß*l= 259.0		-9	34	0	lrx=0.37	lry=0.84	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.48		0.02	1.23	cm			
Sez.N.934	26	3.90	0	38	0	0	0	52	22	0	0	0	0	0	2	0.00	0.18
Leg16x36	qn=	-20	0	38	48	0	0	0	22	0	1	0	0	0	2	0.01	0.16
Asta: 123	27	3.90	0	38	0	0	0	-52	22	0	0	0	0	0	2	0.00	0.18
Instab.:l= 370.0	ß*l= 259.0		0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.58		0.02	1.23	cm			
Sez.N.934	35	3.90	0	0	0	0	0	56	-4	0	0	0	0	0	0	0.00	0.04
Leg16x36	qn=	-20	0	0	56	0	0	0	-4	0	2	0	0	0	0	0.01	0.03
Asta: 124	36	3.90	0	0	0	0	0	-56	-4	0	0	0	0	0	0	0.00	0.04
Instab.:l= 400.0	ß*l= 280.0		0	56	0	lrx=0.41	lry=0.91	Rx=0.01	Ry=0.01	Wmax/rel/lim=0.46		0.02	1.33	cm			
Sez.N.934	36	3.90	0	0	0	0	0	56	4	0	0	0	0	0	0	0.00	0.05
Leg16x36	qn=	-20	0	0	56	0	0	0	4	0	2	0	0	0	0	0.01	0.03
Asta: 125	37	3.90	0	0	0	0	0	-56	4	0	0	0	0	0	0	0.00	0.05
Instab.:l= 400.0	ß*l= 280.0		-65	52	0	lrx=0.41	lry=0.91	Rx=0.01	Ry=0.00	Wmax/rel/lim=0.46		0.02	1.33	cm			
Sez.N.934	37	3.90	0	0	0	0	0	56	12	0	0	0	0	0	1	0.00	0.10
Leg16x36	qn=	-20	0	0	56	0	0	0	12	0	2	0	0	0	1	0.01	0.09
Asta: 126	38	3.90	0	0	0	0	0	-56	12	0	0	0	0	0	1	0.00	0.10
Instab.:l= 400.0	ß*l= 280.0		-59	52	0	lrx=0.41	lry=0.91	Rx=0.01	Ry=0.00	Wmax/rel/lim=0.56		0.03	1.33	cm			
Sez.N.934	38	3.90	0	0	0	0	0	56	-12	0	0	0	0	0	1	0.00	0.10
Leg16x36	qn=	-20	0	0	56	0	0	0	-12	0	2	0	0	0	1	0.01	0.09
Asta: 127	39	3.90	0	0	0	0	0	-56	-12	0	0	0	0	0	1	0.00	0.10
Instab.:l= 400.0	ß*l= 280.0		-54	52	0	lrx=0.41	lry=0.91	Rx=0.01	Ry=0.00	Wmax/rel/lim=0.56		0.03	1.33	cm			
Sez.N.934	39	3.90	0	0	0	0	0	56	-4	0	0	0	0	0	0	0.00	0.05
Leg16x36	qn=	-20	0	0	56	0	0	0	-4	0	2	0	0	0	0	0.01	0.03
Asta: 128	40	3.90	0	0	0	0	0	-56	-4	0	0	0	0	0	0	0.00	0.05
Instab.:l= 400.0	ß*l= 280.0		-31	52	0	lrx=0.41	lry=0.91	Rx=0.01	Ry=0.00	Wmax/rel/lim=0.46		0.02	1.33	cm			
Sez.N.934	40	3.90	0	0	0	0	0	56	4	0	0	0	0	0	0	0.00	0.04
Leg16x36	qn=	-20	0	0	56	0	0	0	4	0	2	0	0	0	0	0.01	0.03
Asta: 129	41	3.90	0	0	0	0	0	-56	4	0	0	0	0	0	0	0.00	0.04
Instab.:l= 400.0	ß*l= 280.0		0	56	0	lrx=0.41	lry=0.91	Rx=0.01	Ry=0.01	Wmax/rel/lim=0.46		0.02	1.33	cm			
Sez.N.934	28	3.90	0	1	0	0	0	56	-21	0	0	0	0	0	2	0.00	0.16
Leg16x36	qn=	-20	0	1	56	0	0	0	-21	0	2	0	0	0	2	0.01	0.15
Asta: 130	29	3.90	0	1	0	0	0	-56	-21	0	0	0	0	0	2	0.00	0.16
Instab.:l= 400.0	ß*l= 280.0		-16	52	0	lrx=0.41	lry=0.91	Rx=0.01	Ry=0.00	Wmax/rel/lim=0.70		0.02	1.33	cm			
Sez.N.934	29	3.90	0	2	0	0	0	56	20	0	0	0	0	0	1	0.00	0.16
Leg16x36	qn=	-20	0	2	56	0	0	0	20	0	2	0	0	0	1	0.01	0.15
Asta: 131	30	3.90	0	2	0	0	0	-56	20	0	0	0	0	0	1	0.00	0.16
Instab.:l= 400.0	ß*l= 280.0		-24	52	0	lrx=0.41	lry=0.91	Rx=0.01	Ry=0.00	Wmax/rel/lim=0.70		0.02	1.33	cm			
Sez.N.934	30	3.90	0	3	0	0	0	56	3	0	0	0	0	0	0	0.00	0.03
Leg16x36	qn=	-20	0	3	56	0	0	0	3	0	2	0	0	0	0	0.01	0.02
Asta: 132	31	3.90	0	3	0	0	0	-56	3	0	0	0	0	0	0	0.00	0.03
Instab.:l= 400.0	ß*l= 280.0		-18	52	0	lrx=0.41	lry=0.91	Rx=0.01	Ry=0.00	Wmax/rel/lim=0.52		0.03	1.33	cm			
Sez.N.934	31	3.90	0	3	0	0	0	56	-3	0	0	0	0	0	0	0.00	0.03
Leg16x36	qn=	-20	0	3	56	0	0	0	-3	0	2	0	0	0	0	0.01	0.02
Asta: 133	32	3.90	0	3	0	0	0	-56	-3	0	0	0	0	0	0	0.00	0.03
Instab.:l= 400.0	ß*l= 280.0		-12	52	0	lrx=0.41	lry=0.91	Rx=0.01	Ry=0.00	Wmax/rel/lim=0.52		0.03	1.33	cm			
Sez.N.934	32	3.90	0	2	0	0	0	56	-20	0	0	0	0	0	1	0.00	0.16
Leg16x36	qn=	-20	0	2	56	0	0	0	-20	0	2	0	0	0	1	0.01	0.15
Asta: 134	33	3.90	0	2	0	0	0	-56	-20	0	0	0	0	0	1	0.00	0.16
Instab.:l= 400.0	ß*l= 280.0		-2	52	0	lrx=0.41	lry=0.91	Rx=0.01	Ry=0.00	Wmax/rel/lim=0.70		0.02	1.33	cm			

Sez.N.934	33	3.90	0	1	0	0	0	56	21	0	0	0	0	0	2	0.00	0.16
Leg16x36	qn=	-20	0	1	56	0	0	0	21	0	2	0	0	0	2	0.01	0.15
Asta: 135	34	3.90	0	1	0	0	0	-56	21	0	0	0	0	0	2	0.00	0.16
Instab.:l= 400.0		ß*l= 280.0		0	52	0	lrx=0.41	lry=0.91	Rx=0.01	Ry=0.00		Wmax/rel/lim=0.70			0.02		1.33 cm
Sez.N.933	42	4.15	9	-1031	3824	-92	-32	-162	10	1	27	2	0	0	0	0.11	0.03
Leg18x68.7	qn=	-663	10	-380	2245	-63	-32	-14	10	0	16	2	0	0	0	0.06	0.02
Asta: 136	17	4.15	0	-520	-3988	0	0	-2688	0	0	28	0	0	3	0	0.25	0.32
Instab.:l= 580.0		ß*l= 406.0		-520	-3988	0	lrx=0.31	lry=1.18	Rx=0.26	Ry=0.18		Wmax/rel/lim=1.96			0.32		1.93 cm
Sez.N.934	10	4.15	0	-41	0	0	0	54	2	0	0	0	0	0	0	0.00	0.03
Leg16x36	qn=	-20	0	-41	52	0	0	1	2	0	2	0	0	0	0	0.01	0.02
Asta: 137	42	4.15	0	-41	0	0	0	-54	2	0	0	0	0	0	0	0.00	0.03
Instab.:l= 385.0		ß*l= 269.5		-1829	49	0	lrx=0.39	lry=0.88	Rx=0.02	Ry=0.02		Wmax/rel/lim=1.23			0.02		1.28 cm
Sez.N.934	42	4.15	0	-41	0	0	0	54	-2	0	0	0	0	0	0	0.00	0.03
Leg16x36	qn=	-20	0	-41	52	0	0	1	-2	0	2	0	0	0	0	0.01	0.02
Asta: 138	11	4.15	0	-41	0	0	0	-54	-2	0	0	0	0	0	0	0.00	0.03
Instab.:l= 385.0		ß*l= 269.5		-1782	49	0	lrx=0.39	lry=0.88	Rx=0.02	Ry=0.02		Wmax/rel/lim=1.23			0.02		1.28 cm

STAMPA PROGETTO S.L.D. - E.C. - FONDAZIONE

Filo Iniz. Fin. Ctg⊖	Quota Iniz. Finale	Trat	Sez Bas Alt	Concio	VERIFICA A PRESSO-FLESSIONE									VERIFICA A TAGLIO E TORSIONE												
					Co Nr	AlfaX	M Exd kN10m	N Ed kN*10	x/ /d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	Co Nr	V Exd kN*10	V Eyd kN*10	T Sdu kN*10	V Rxd kN*10	V Ryd kN*10	TRd kN*10	TRld kN10m	Coe Cls	Coe Sta	ALon cmq	staffe Pass	staffe Lun
1	0.00		1	1	5	1.00	-1.3	0.0	17	2	0	5.9	5.9	3	0.0	-1.9	0.0	23.0	44.5	15.4	0.0	2	4	0.0	16	70
2	0.00		40	3	5	1.00	-1.5	0.0	17	2	0	5.9	5.9	5	0.0	1.8	0.0	23.0	44.5	15.4	0.0	2	4	0.0	16	229
2.5			74	5	10	1.00	2.5	0.0	17	3	1	5.9	5.9	6	0.0	3.1	0.0	23.0	44.5	15.4	0.0	4	7	0.0	16	70
1	0.00		11	1	7	1.00	1.0	0.0	19	1	0	5.9	5.9	3	0.0	-0.4	0.0	23.0	44.5	20.3	0.0	1	1	0.0	16	70
8	0.00		40	3	10	1.00	-1.3	0.0	19	1	0	5.9	5.9	10	0.0	0.9	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	189
2.5			74	5	5	1.00	0.6	0.0	18	1	0	5.9	5.9	6	0.0	1.4	0.0	23.0	44.5	20.3	0.0	2	3	0.0	16	70
2	0.00		11	1	9	1.00	3.0	0.0	19	3	1	5.9	5.9	8	0.0	3.2	0.0	23.0	44.5	20.3	0.0	3	7	0.0	16	70
9	0.00		40	3	9	1.00	3.1	0.0	19	4	1	5.9	5.9	7	0.0	-1.8	0.0	23.0	44.5	20.3	0.0	2	4	0.0	16	189
2.5			74	5	10	1.00	2.0	0.0	19	2	1	5.9	5.9	3	0.0	-2.3	0.0	23.0	44.5	20.3	0.0	3	5	0.0	16	70
43	0.00		11	1	7	1.00	1.9	0.0	19	2	1	5.9	5.9	4	0.0	2.4	0.0	23.0	44.5	20.3	0.0	3	5	0.0	16	70
10	0.00		40	3	7	1.00	2.5	0.0	19	3	1	5.9	5.9	3	0.0	1.3	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	39
2.5			74	5	7	1.00	2.5	0.0	19	3	1	5.9	5.9	3	0.0	0.9	0.0	23.0	44.5	20.3	0.0	1	1	0.0	16	70
44	0.00		11	1	8	1.00	-2.5	0.0	19	2	0	5.9	5.9	8	0.0	2.8	0.0	23.0	44.5	20.3	0.0	3	6	0.0	16	70
17	0.00		40	3	7	1.00	1.2	0.0	19	1	0	5.9	5.9	8	0.0	1.9	0.0	23.0	44.5	20.3	0.0	2	4	0.0	16	619
2.5			74	5	8	1.00	0.8	0.0	18	1	0	5.9	5.9	3	0.0	-0.4	0.0	23.0	44.5	20.3	0.0	1	1	0.0	16	70
45	0.00		11	1	9	1.00	1.8	0.0	19	2	0	5.9	5.9	6	0.0	2.3	0.0	23.0	44.5	20.3	0.0	3	5	0.0	16	70
11	0.00		40	3	9	1.00	2.3	0.0	19	3	1	5.9	5.9	3	0.0	0.9	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	39
2.5			74	5	9	1.00	2.2	0.0	19	3	1	5.9	5.9	3	0.0	-0.5	0.0	23.0	44.5	20.3	0.0	1	1	0.0	16	70
6	0.00		11	1	7	1.00	3.0	0.0	19	3	1	5.9	5.9	8	0.0	3.2	0.0	23.0	44.5	20.3	0.0	3	7	0.0	16	70
12	0.00		40	3	7	1.00	3.1	0.0	19	4	1	5.9	5.9	7	0.0	-1.8	0.0	23.0	44.5	20.3	0.0	2	4	0.0	16	189
2.5			74	5	8	1.00	2.1	0.0	19	2	1	5.9	5.9	3	0.0	-2.2	0.0	23.0	44.5	20.3	0.0	3	5	0.0	16	70
7	0.00		11	1	9	1.00	1.0	0.0	19	1	0	5.9	5.9	3	0.0	-0.9	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	70
13	0.00		40	3	8	1.00	-1.4	0.0	19	1	0	5.9	5.9	4	0.0	0.9	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	189
2.5			74	5	3	1.00	0.7	0.0	18	1	0	5.9	5.9	3	0.0	1.3	0.0	23.0	44.5	20.3	0.0	2	3	0.0	16	70
8	0.00		11	1	9	1.00	1.4	0.0	19	2	0	5.9	5.9	8	0.0	0.5	0.0	23.0	44.5	20.3	0.0	1	1	0.0	16	70
14	0.00		40	3	7	1.00	0.9	0.0	18	1	0	5.9	5.9	6	0.0	0.5	0.0	23.0	44.5	20.3	0.0	1	1	0.0	16	389
2.5			74	5	10	1.00	1.5	0.0	19	2	0	5.9	5.9	5	0.0	0.5	0.0	23.0	44.5	20.3	0.0	1	1	0.0	16	70
9	0.00		11	1	9	1.00	0.7	0.0	18	1	0	5.9	5.9	8	0.0	1.0	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	70
15	0.00		40	3	9	1.00	0.7	0.0	18	1	0	5.9	5.9	3	0.0	-0.9	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	389
2.5			74	5	5	1.00	-1.4	0.0	19	1	0	5.9	5.9	3	0.0	-1.3	0.0	23.0	44.5	20.3	0.0	2	3	0.0	16	70
10	0.00		11	1	7	1.00	3.1	0.0	19	4	1	5.9	5.9	3	0.0	-1.5	0.0	23.0	44.5	20.3	0.0	2	3	0.0	16	70
16	0.00		40	3	7	1.00	1.3	0.0	19	2	0	5.9	5.9	3	0.0	-1.2	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	389
2.5			74	5	7	1.00	-1.1	0.0	19	1	0	5.9	5.9	3	0.0	-0.5	0.0	23.0	44.5	20.3	0.0	1	1	0.0	16	70
11	0.00		11	1	9	1.00	2.8	0.0	19	3	1	5.9	5.9	9	0.0	-1.4	0.0	23.0	44.5	20.3	0.0	2	3	0.0	16	70
18	0.00		40	3	9	1.00	1.2	0.0	19	1	0	5.9	5.9	5	0.0	-1.0	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	389
2.5			74	5	9	1.00	-1.0	0.0	19	1	0	5.9	5.9	5	0.0	-0.5	0.0	23.0	44.5	20.3	0.0	1	1	0.0	16	70
12	0.00		11	1	7	1.00	0.8	0.0	18	1	0	5.9	5.9	8	0.0	1.0	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	70
19	0.00		40	3	7	1.00	0.8	0.0	18	1	0	5.9	5.9	3	0.0	-0.9	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	389
2.5			74	5	3	1.00	-1.5	0.0	19	1	0	5.9	5.9	3	0.0	-1.8	0.0	23.0	44.5	20.3	0.0	2	4	0.0	16	70
13	0.00		11	1	7	1.00	1.6	0.0	19	2	0	5.9	5.9	3	0.0	-0.5	0.0	23.0	44.5	20.3	0.0	1	1	0.0	16	70
20	0.00		40	3	9	1.00	0.9	0.0	18	1	0	5.9	5.9	3	0.0	-0.5	0.0	23.0	44.5	20.3	0.0	1	1	0.0	16	389
2.5			74	5	8	1.00	1.7	0.0	19	2	0	5.9	5.9	4	0.0	0.9	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	70
14	0.00		11	1	5	1.00	1.7	0.0	19	2	0	5.9	5.9	5	0.0	-1.7	0.0	23.0	44.5	20.3	0.0	2	3	0.0	16	70
46	0.00		40	3	9	1.00	-1.5	0.0	19	1	0	5.9	5.9	5	0.0	-1.4	0.0	23.0	44.5	20.3	0.0	2	3	0.0	16	149
2.5			74	5	9	1.00	-1.9	0.0	19	1	0	5.9	5.9	5	0.0	-1.0	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	70
15	0.00		11	1	5	1.00	-1.4	0.0	19	1	0	5.9	5.9	3	0.0	1.4	0.0	23.0	44.5	20.3	0.0	2	3	0.0	16	70
47	0.00		40	3	7	1.00	-1.2	0.0	19	1	0	5.9	5.9	3	0.0	-0.9	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	149
2.5			74	5	7	1.00	-1.9	0.0	19	1	0	5.9	5.9	3	0.0	-1.8	0.0	23.0	44.5	20.3	0.0	2	4	0.0	16	70
16	0.00		11	1	9	1.00	1.0	0.0	19	1	0	5.9	5.9	4	0.0	0.5	0.0	23.0	44.5	20.3	0.0	1	1	0.0	16	70
48	0.00		40	3	9	1.00	1.0	0.0	19	1	0	5.9	5.9	7	0.0	-1.3	0.0	23.0	44.5	20.3	0.0	2	3	0.0	16	149
2.5			74	5	9	1.00	-1.7	0.0	19	1	0	5.9	5.9	3	0.0	-1.8	0.0	23.0	44.5	20.3	0.0	2	4	0.0	16	70
17	0.00		11	1	7	1.00	2.5	0.0	19	3	1	5.9	5.9	3	0.0	-0.9	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	70
49	0.00		40	3	7	1.00	2.1	0.0	19	2	1	5.9	5.9	3	0.0	-1.3	0.0	23.0	44.5	20.3	0.0	2	3	0.0	16	149
2.5			74	5	7	1.00	-1.7	0.0	19	1	0	5.9	5.9	3	0.0	-1.8	0.0	23.0	44.5	20.3	0.0	2	4	0.0	16	70
18	0.00		11	1	7	1.00	1.2	0.0	19	1	0	5.9	5.9	7	0.0	-0.5	0.0	23.0	44.5	20.3	0.0	1	1	0.0	16	70
50	0.00		40	3	7	1.00	1.1	0.0	19	1	0	5.9	5.9	7	0.0	-1.3	0.0	23.0	44.5	20.3	0.0	2	3	0.0	16	149
2.5			74	5	7	1.00	-1.7	0.0	19	1	0	5.9	5.9	3	0.0	-1.8	0.0	23.0	44.5	20.3	0.0	2	4	0.0	16	70
19	0.00		11	1	3	1.00	-1.5	0.0	19	1	0	5.9	5.9	3	0.0	1.7	0.0	23.0	44.5	20.3	0.0	2	3	0.0	16	70
51	0.00		40	3	9	1.00	-1.2	0.0	19	1	0	5.9	5.9	3	0.0	0.9	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	149
2.5			74	5	9	1.00	-1.8	0.0	19	1	0	5.9	5.9	5	0.0	-1.8	0.0	23.0	44.5	20.3	0.0	2	4	0.0	16	70
20	0.00		11	1	3	1.00	1.9	0.0	19	2	1	5.9	5.9	3	0.0	-1.9	0.0	23.0	44.5	20.3	0.0	2	4	0.0	16	70

52	0.00	40	3	7	1.00	-1.6	0.0	19	1	0	5.9	5.9	3	0.0	-1.6	0.0	23.0	44.5	20.3	0.0	2	3	0.0	16	149
2.5		74	5	7	1.00	-2.0	0.0	19	2	0	5.9	5.9	3	0.0	-1.1	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	70
2	0.00	1	1	8	1.00	2.9	0.0	17	4	1	5.9	5.9	8	0.0	-1.9	0.0	23.0	44.5	15.4	0.0	2	4	0.0	16	70
3	0.00	40	3	8	1.00	1.8	0.0	17	2	0	5.9	5.9	3	0.0	-1.1	0.0	23.0	44.5	15.4	0.0	1	2	0.0	16	229
2.5		74	5	9	1.00	1.3	0.0	17	2	0	5.9	5.9	5	0.0	0.5	0.0	23.0	44.5	15.4	0.0	1	1	0.0	16	70
3	0.00	1	1	7	1.00	1.4	0.0	17	2	0	5.9	5.9	3	0.0	-2.2	0.0	23.0	44.5	15.4	0.0	3	5	0.0	16	70
4	0.00	40	3	8	1.00	-1.7	0.0	17	2	0	5.9	5.9	3	0.0	-1.4	0.0	23.0	44.5	15.4	0.0	2	3	0.0	16	229
2.5		74	5	8	1.00	-1.3	0.0	17	2	0	5.9	5.9	5	0.0	1.3	0.0	23.0	44.5	15.4	0.0	2	3	0.0	16	70
4	0.00	1	1	10	1.00	-1.1	0.0	17	1	0	5.9	5.9	4	0.0	-1.8	0.0	23.0	44.5	15.4	0.0	2	4	0.0	16	70
5	0.00	40	3	10	1.00	-1.6	0.0	17	2	0	5.9	5.9	3	0.0	-1.1	0.0	23.0	44.5	15.4	0.0	1	2	0.0	16	229
2.5		74	5	9	1.00	1.1	0.0	17	1	0	5.9	5.9	6	0.0	2.2	0.0	23.0	44.5	15.4	0.0	3	5	0.0	16	70
5	0.00	1	1	7	1.00	1.6	0.0	17	2	0	5.9	5.9	7	0.0	-0.9	0.0	23.0	44.5	15.4	0.0	1	2	0.0	16	70
6	0.00	40	3	10	1.00	1.6	0.0	17	2	0	5.9	5.9	6	0.0	0.9	0.0	23.0	44.5	15.4	0.0	1	2	0.0	16	229
2.5		74	5	10	1.00	2.6	0.0	17	3	1	5.9	5.9	6	0.0	1.3	0.0	23.0	44.5	15.4	0.0	2	3	0.0	16	70
6	0.00	1	1	8	1.00	2.7	0.0	17	3	1	5.9	5.9	3	0.0	-3.2	0.0	23.0	44.5	15.4	0.0	4	7	0.0	16	70
7	0.00	40	3	3	1.00	-1.8	0.0	17	2	0	5.9	5.9	4	0.0	-2.3	0.0	23.0	44.5	15.4	0.0	2	5	0.0	16	229
2.5		74	5	3	1.00	-1.7	0.0	17	2	0	5.9	5.9	9	0.0	1.8	0.0	23.0	44.5	15.4	0.0	2	4	0.0	16	70
8	0.00	1	1	5	1.00	-1.6	0.0	17	2	0	5.9	5.9	3	0.0	-2.4	0.0	23.0	44.5	15.4	0.0	3	5	0.0	16	70
9	0.00	40	3	6	1.00	-1.6	0.0	17	2	0	5.9	5.9	5	0.0	3.2	0.0	23.0	44.5	15.4	0.0	3	7	0.0	16	229
2.5		74	5	5	1.00	4.1	0.0	17	5	1	5.9	5.9	5	0.0	4.5	0.0	23.0	44.5	15.4	0.0	5	10	0.0	16	70
9	0.00	1	1	3	1.00	4.7	0.0	17	6	1	5.9	5.9	3	0.0	-5.3	0.0	23.0	44.5	15.4	0.0	6	11	0.0	16	70
10	0.00	40	3	4	1.00	-2.5	0.0	17	3	1	5.9	5.9	3	0.0	-3.8	0.0	23.0	44.5	15.4	0.0	4	8	0.0	16	229
2.5		74	5	4	1.00	-2.5	0.0	17	3	1	5.9	5.9	5	0.0	2.8	0.0	23.0	44.5	15.4	0.0	3	6	0.0	16	70
11	0.00	1	1	6	1.00	-1.8	0.0	17	2	0	5.9	5.9	3	0.0	-3.2	0.0	23.0	44.5	15.4	0.0	4	7	0.0	16	70
12	0.00	40	3	6	1.00	-1.9	0.0	17	2	1	5.9	5.9	5	0.0	3.2	0.0	23.0	44.5	15.4	0.0	4	7	0.0	16	229
2.5		74	5	5	1.00	4.1	0.0	17	5	1	5.9	5.9	5	0.0	4.5	0.0	23.0	44.5	15.4	0.0	5	10	0.0	16	70
12	0.00	1	1	3	1.00	4.7	0.0	17	6	1	5.9	5.9	3	0.0	-5.1	0.0	23.0	44.5	15.4	0.0	5	11	0.0	16	70
13	0.00	40	3	3	1.00	-2.3	0.0	17	3	1	5.9	5.9	3	0.0	-3.6	0.0	23.0	44.5	15.4	0.0	4	8	0.0	16	229
2.5		74	5	3	1.00	-2.3	0.0	17	3	1	5.9	5.9	5	0.0	1.8	0.0	23.0	44.5	15.4	0.0	2	4	0.0	16	70
14	0.00	1	1	3	1.00	2.9	0.0	17	4	1	5.9	5.9	3	0.0	-2.7	0.0	23.0	44.5	15.4	0.0	3	6	0.0	16	70
15	0.00	40	3	6	1.00	-2.2	0.0	17	3	1	5.9	5.9	3	0.0	-1.9	0.0	23.0	44.5	15.4	0.0	2	4	0.0	16	229
2.5		74	5	10	1.00	0.4	0.0	17	1	0	5.9	5.9	5	0.0	1.8	0.0	23.0	44.5	15.4	0.0	2	4	0.0	16	70
15	0.00	1	1	6	1.00	0.5	0.0	17	1	0	5.9	5.9	3	0.0	-1.7	0.0	23.0	44.5	15.4	0.0	2	3	0.0	16	70
16	0.00	40	3	3	1.00	-1.2	0.0	17	1	0	5.9	5.9	5	0.0	1.8	0.0	23.0	44.5	15.4	0.0	2	4	0.0	16	229
2.5		74	5	6	1.00	2.5	0.0	17	3	1	5.9	5.9	5	0.0	2.7	0.0	23.0	44.5	15.4	0.0	3	6	0.0	16	70
16	0.00	1	1	4	1.00	3.4	0.0	17	4	1	5.9	5.9	3	0.0	-3.3	0.0	23.0	44.5	15.4	0.0	4	7	0.0	16	70
17	0.00	40	3	4	1.00	-0.7	0.0	17	1	0	5.9	5.9	3	0.0	-2.3	0.0	23.0	44.5	15.4	0.0	3	5	0.0	16	229
2.5		74	5	5	1.00	2.7	0.0	17	3	1	5.9	5.9	5	0.0	3.1	0.0	23.0	44.5	15.4	0.0	3	7	0.0	16	70
17	0.00	1	1	3	1.00	3.4	0.0	17	4	1	5.9	5.9	3	0.0	-3.5	0.0	23.0	44.5	15.4	0.0	4	7	0.0	16	70
18	0.00	40	3	4	1.00	-1.0	0.0	17	1	0	5.9	5.9	3	0.0	-2.4	0.0	23.0	44.5	15.4	0.0	3	5	0.0	16	229
2.5		74	5	6	1.00	2.7	0.0	17	3	1	5.9	5.9	5	0.0	2.7	0.0	23.0	44.5	15.4	0.0	3	6	0.0	16	70
18	0.00	1	1	4	1.00	3.1	0.0	17	4	1	5.9	5.9	3	0.0	-3.0	0.0	23.0	44.5	15.4	0.0	3	6	0.0	16	70
19	0.00	40	3	4	1.00	1.4	0.0	17	2	0	5.9	5.9	3	0.0	-2.0	0.0	23.0	44.5	15.4	0.0	2	4	0.0	16	229
2.5		74	5	4	1.00	0.5	0.0	17	1	0	5.9	5.9	5	0.0	1.4	0.0	23.0	44.5	15.4	0.0	2	3	0.0	16	70
19	0.00	1	1	8	1.00	0.5	0.0	17	1	0	5.9	5.9	3	0.0	-2.3	0.0	23.0	44.5	15.4	0.0	2	5	0.0	16	70
20	0.00	40	3	4	1.00	-3.1	0.0	17	4	1	5.9	5.9	3	0.0	-1.7	0.0	23.0	44.5	15.4	0.0	2	3	0.0	16	229
2.5		74	5	4	1.00	-3.1	0.0	17	4	1	5.9	5.9	5	0.0	2.2	0.0	23.0	44.5	15.4	0.0	2	5	0.0	16	70
21	0.00	1	1	6	1.00	-1.9	0.0	17	2	1	5.9	5.9	4	0.0	-2.3	0.0	23.0	44.5	15.4	0.0	3	5	0.0	16	70
22	0.00	40	3	6	1.00	-2.0	0.0	17	2	1	5.9	5.9	5	0.0	2.3	0.0	23.0	44.5	15.4	0.0	3	5	0.0	16	229
2.5		74	5	5	1.00	2.6	0.0	17	3	1	5.9	5.9	5	0.0	3.1	0.0	23.0	44.5	15.4	0.0	4	7	0.0	16	70
22	0.00	1	1	3	1.00	3.1	0.0	17	4	1	5.9	5.9	3	0.0	-3.2	0.0	23.0	44.5	15.4	0.0	3	7	0.0	16	70
23	0.00	40	3	3	1.00	-0.8	0.0	17	1	0	5.9	5.9	3	0.0	-2.2	0.0	23.0	44.5	15.4	0.0	2	4	0.0	16	229
2.5		74	5	6	1.00	1.6	0.0	17	2	0	5.9	5.9	6	0.0	2.3	0.0	23.0	44.5	15.4	0.0	2	5	0.0	16	70
23	0.00	1	1	4	1.00	1.9	0.0	17	2	0	5.9	5.9	3	0.0	-2.3	0.0	23.0	44.5	15.4	0.0	3	5	0.0	16	70
24	0.00	40	3	4	1.00	-0.8	0.0	17	1	0	5.9	5.9	3	0.0	-1.5	0.0	23.0	44.5	15.4	0.0	2	3	0.0	16	229
2.5		74	5	5	1.00	1.7	0.0	17	2	0	5.9	5.9	5	0.0	2.3	0.0	23.0	44.5	15.4	0.0	2	5	0.0	16	70
24	0.00	1	1	3	1.00	1.9	0.0	17	2	1	5.9	5.9	3	0.0	-2.4	0.0	23.0	44.5	15.4	0.0	3	5	0.0	16	70
25	0.00	40	3	3	1.00	-0.8	0.0	17	1	0	5.9	5.9	3	0.0	-1.6	0.0	23.0	44.5	15.4	0.0	2	3	0.0	16	229
2.5		74	5	6	1.00	1.7	0.0	17	2	0	5.9	5.9	6	0.0	2.2	0.0	23.0	44.5	15.4	0.0	2	5	0.0	16	70
25	0.00	1	1	4	1.00	1.8	0.0	17	2	0	5.9	5.9	3	0.0	-2.2	0.0	23.0	44.5	15.4	0.0	3	5	0.0	16	70
26	0.00	40	3	5	1.00	-0.7	0.0	17	1	0	5.9	5.9	5	0.0	1.8	0.0	23.0	44.5	15.4	0.0	2	4	0.0	16	229
2.5		74	5	5	1.00	2.9	0.0	17	3	1	5.9	5.9	5	0.0	2.7	0.0	23.0	44.5	15.4	0.0	3	6	0.0	16	70
26	0.00	1	1	3	1.00	2.7	0.0	17	3	1	5.9	5.9	3	0.0	-3.6	0.0	23.0	44.5	15.4	0.0	4	8	0.0	16	70
27	0.00	40	3	4	1.00	-2.3	0.0	17	3	1	5.9	5.9	3	0.0	-2.6	0.0	23.0	44.5	15.4	0.0	3	5	0.0	16	229
2.5		74	5	4	1.00	-2.2	0.0	17	3	1	5.9	5.9	5	0.0	1.8	0.0	23.0	44.5	15.4	0.0	2	4	0.0	16	70
4	0.00	11	1	8	1.00	-2.7	0.0	19	2	1	5.9	5.9	7	0.0	-1.4	0.0	23.0	44.5	20.3	0.0	2	3	0.0	16	50
44	0.00	40	3	8	1.00	-2.9	0.0	19	2	1	5.9	5.9	0	0.0	0.0	0.0	23.0	44.5	20.3	0.0	0	0	0.0	16	0
2.5		74	5	8	1.00	-2.9	0.0	19	2	1	5.9	5.9	7	0.0	-1.8	0.0	23.0	44.5	20.3	0.0	2	4	0.0	16	50
43	0.00	1	1	4	1.00	0.5	0.0	17	1	0	5.9	5.9	3	0.0	-2.4	0.0	23.0	44.5	15.4	0.0	3	5	0.0	16	70
44	0.00	40	3	8	1.00	-1.6	0.0	17	2	0	5.9	5.9	3	0.0	1.4	0.0	23.0	44.5	15.4	0.0	2	3	0.0	16	259
2.5		74	5	9	1.00	0.8	0.0	17	1	0	5.9	5.9	3	0.0	1.8	0.0	23.0	44.5	15.4	0.0	2	4	0.0	16	70
44	0.00	1	1	7	1.00	0.8	0.0	17	1	0	5.9	5.9	3	0.0	-2.0	0.0	23.0	44.5	15.4	0.0	2	4	0.0	16	70
45	0.00	40	3	10	1.00	-1.6	0.0	17	2	0	5.9	5.9	3	0.0	-1.3	0.0	23.0	44.5	15.4	0.0	2	3	0.0	16	259
2.5		74	5	6	1.00	0.4	0.0	17	0	0	5.9	5.9	5	0.0	2.2	0.0	23.0	44.5	15.4	0.0	3	5	0.0	16	70
3	0.00	11	1	9	1.00	1.2	0.0	19	1	0	5.9	5.9	7	0.0	-0.4	0.0	23.0	44.5	20.3	0.0	1	1	0.0	16	50
43	0.00	40	3	9	1.00	1.2	0.0	19	1	0	5.9	5.9	0	0.0	0.0	0.0	23.0	44.5	20.3	0.0	0	0	0.0	16	0
2.5		74	5	9	1.00	1.2	0.0	19	1	0	5.9	5.9	7	0.0	-0.9	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	50
5	0.00	11	1	7	1.00	1.2	0.0	19	1	0	5.9	5.9	7	0.0	-0.9	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	50
45	0.00	40	3	7	1.00	1.2	0.0	19	1	0	5.9	5.9	0	0.0	0.0	0.0	23.0	44.5	20.3	0.0	0	0	0.0	16	0
2.5		74	5	7	1.00	1.2	0.0	19	1	0	5.9	5.9	7	0.0	-0.9	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	50
46	0.00	11	1	9	1.00	-2.1	0.0	19	2	0	5.9	5.9	3	0.0	0.5	0.0	23.0	44.5	20.3	0.0	1	1	0.0	16	70
21	0.00	40	3	9	1.00	-2.1	0.0	19	2	0	5.9	5.9	8	0.0	0.9	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	49
2.5		74	5	9	1.00	-1.8	0.0	19	1	0	5.9	5.9	5	0.0	0.9	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	70
47	0.00	11	1	7	1.00	-2.7	0.0	19	2	1	5.9	5.9	8	0.0	1.2	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	70
22	0.00	40	3	7	1.00	-4.3	0.0	19	3	1	5.9	5.9	9	0.0	-1.3	0.0	23.0	44.5	20.3	0.0	1	3	0.0	16	49
2.5		74	5	7	1.00	-4.3	0.0	19	3	1	5.9	5.9	7	0.0	-1.8	0.0	23.0	44.5	20.3	0.0	2	4	0.0	16	70
48	0.00	11	1	9	1.00	-1.9	0.0	19	1	0	5.9	5.9	3	0.0	1.4	0.0	23.0	44.5	20.3	0.0	2	3	0.0	16	70
23	0.00	40	3	9	1.00	-2.0	0.0	19	2	0	5.9	5.9	8	0.0	1.3	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	49
2.5		74	5	9	1.00	-2.0	0.0	19	2	0	5.9	5.9	4	0.0	-0.9	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	70
49	0.00	11	1	7	1.00	-2.0	0.0	19	2	0	5.9	5.9	4	0.0	1.4	0.0	23.0	44.5	20.3	0.0	2	3	0.0	16	70
24	0.00	40	3	7	1.00	-2.6	0.0	19	2	0	5.9	5.9	8	0.0	0.9	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	49
2.5		74	5	7	1.00	-2.6	0.0	19	2	0	5.9	5.9	7	0.0	-1.4	0.0	23.0	44.5	20.3	0.0	2	3	0.0	16	70
50	0.00	11	1	7	1.00	-1.9	0.0	19	1	0	5.9	5.9	3	0.0	1.5	0.0	23.0	44.5	20.3	0.0	2	3	0.0	16	70

25	0.00	40	3	7	1.00	-2.0	0.0	19	2	0	5.9	5.9	8	0.0	1.3	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	49
2.5		74	5	7	1.00	-2.0	0.0	19	2	0	5.9	5.9	6	0.0	-0.9	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	70
51	0.00	11	1	9	1.00	-2.6	0.0	19	2	1	5.9	5.9	8	0.0	1.2	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	70
26	0.00	40	3	9	1.00	-4.3	0.0	19	3	1	5.9	5.9	7	0.0	-1.4	0.0	23.0	44.5	20.3	0.0	1	3	0.0	16	49
2.5		74	5	9	1.00	-4.3	0.0	19	3	1	5.9	5.9	7	0.0	-1.8	0.0	23.0	44.5	20.3	0.0	2	4	0.0	16	70
52	0.00	11	1	7	1.00	-2.2	0.0	19	2	0	5.9	5.9	8	0.0	0.9	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	70
27	0.00	40	3	7	1.00	-2.2	0.0	19	2	0	5.9	5.9	8	0.0	0.9	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	49
2.5		74	5	7	1.00	-1.9	0.0	19	1	0	5.9	5.9	3	0.0	0.9	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	70
46	0.00	1	1	6	1.00	-0.9	0.0	17	1	0	5.9	5.9	3	0.0	-1.1	0.0	23.0	44.5	15.4	0.0	1	2	0.0	16	70
47	0.00	40	3	5	1.00	-1.1	0.0	17	1	0	5.9	5.9	4	0.0	0.9	0.0	23.0	44.5	15.4	0.0	1	2	0.0	16	229
2.5		74	5	8	1.00	0.8	0.0	17	1	0	5.9	5.9	4	0.0	1.4	0.0	23.0	44.5	15.4	0.0	2	3	0.0	16	70
47	0.00	1	1	8	1.00	0.8	0.0	17	1	0	5.9	5.9	3	0.0	-1.1	0.0	23.0	44.5	15.4	0.0	1	2	0.0	16	70
48	0.00	40	3	9	1.00	-0.5	0.0	17	1	0	5.9	5.9	3	0.0	0.9	0.0	23.0	44.5	15.4	0.0	1	2	0.0	16	229
2.5		74	5	9	1.00	1.3	0.0	17	2	0	5.9	5.9	3	0.0	1.3	0.0	23.0	44.5	15.4	0.0	2	3	0.0	16	70
48	0.00	1	1	9	1.00	1.3	0.0	17	2	0	5.9	5.9	3	0.0	-1.6	0.0	23.0	44.5	15.4	0.0	2	3	0.0	16	70
49	0.00	40	3	4	1.00	-0.4	0.0	17	1	0	5.9	5.9	3	0.0	-1.0	0.0	23.0	44.5	15.4	0.0	1	2	0.0	16	229
2.5		74	5	10	1.00	1.0	0.0	17	1	0	5.9	5.9	3	0.0	1.3	0.0	23.0	44.5	15.4	0.0	2	3	0.0	16	70
49	0.00	1	1	8	1.00	1.0	0.0	17	1	0	5.9	5.9	3	0.0	-1.5	0.0	23.0	44.5	15.4	0.0	2	3	0.0	16	70
50	0.00	40	3	6	1.00	-0.4	0.0	17	0	0	5.9	5.9	3	0.0	0.9	0.0	23.0	44.5	15.4	0.0	1	2	0.0	16	229
2.5		74	5	7	1.00	1.3	0.0	17	2	0	5.9	5.9	3	0.0	1.4	0.0	23.0	44.5	15.4	0.0	2	3	0.0	16	70
50	0.00	1	1	7	1.00	1.4	0.0	17	2	0	5.9	5.9	3	0.0	-1.7	0.0	23.0	44.5	15.4	0.0	2	3	0.0	16	70
51	0.00	40	3	7	1.00	-0.5	0.0	17	1	0	5.9	5.9	3	0.0	-1.1	0.0	23.0	44.5	15.4	0.0	1	2	0.0	16	229
2.5		74	5	10	1.00	0.7	0.0	17	1	0	5.9	5.9	3	0.0	0.9	0.0	23.0	44.5	15.4	0.0	1	2	0.0	16	70
51	0.00	1	1	10	1.00	0.7	0.0	17	1	0	5.9	5.9	4	0.0	-1.4	0.0	23.0	44.5	15.4	0.0	2	3	0.0	16	70
52	0.00	40	3	3	1.00	-1.2	0.0	17	1	0	5.9	5.9	4	0.0	-0.9	0.0	23.0	44.5	15.4	0.0	1	2	0.0	16	229
2.5		74	5	4	1.00	-1.0	0.0	17	1	0	5.9	5.9	3	0.0	0.9	0.0	23.0	44.5	15.4	0.0	1	2	0.0	16	70

STAMPA PROGETTO S.L.D. - E.C. - PILASTRI

Filo Iniz	Quota Iniz.	T	Sez	Co	VERIFICA A PRESSO-FLESSIONE									V E R I F I C A A T A G L I O E T O R S I O N E												
Fin.	Finale	a	Bas	nc	Co	M Exd	M Eyd	N Ed	x/	εf%	εc%	Area cmq		Co	V Exd	V Eyd	T Sdu	V Rxd	V Ryd	TRd	TRld	Coe	Coe	ALon	staffe	
Ctgθ		t	Alt	io	Nr	(kN*10)*m		kN*10	/d	100	100	b	h	Nr	kN*10	kN*10	kN10m	kN*10	kN*10	(kN*10)*m		Cls	Sta	cmq	Pass	Lun
1	0.00	2	1	3	0.7	1.0	-2.2	3	2	5.5	6.0	3		-0.3	0.2	0.0	22.3	39.2	9.1	0.0	1	1	0.0	12	130
1	3.90	30	3	3	0.4	0.7	-1.7	2	1	5.5	6.0	3		-0.3	0.2	0.0	14.1	24.7	5.8	0.0	1	1	0.0	19	170
2.5		50	5	3	0.0	0.1	-0.9	0	0	4.9	6.6	3		-0.3	0.2	0.0	22.3	39.2	9.1	0.0	1	1	0.0	12	50
2	0.00	2	1	8	-1.9	0.5	-1.8	3	2	5.8	5.8	7		-0.1	0.5	0.0	51.3	54.1	6.1	0.0	1	1	0.0	12	130
2	3.90	30	3	8	-1.2	0.3	-1.2	2	1	5.7	5.8	8		-0.1	-0.5	0.0	14.1	24.7	5.8	0.0	1	2	0.0	19	170
2.5		50	5	3	0.0	0.1	-0.2	0	0	4.7	6.8	7		-0.1	0.5	0.0	51.3	54.1	6.1	0.0	1	1	0.0	12	50
3	0.00	2	1	3	0.5	1.2	-2.7	3	2	5.7	5.8	3		-0.3	0.1	0.0	22.3	39.2	9.1	0.0	1	1	0.0	12	129
3	3.90	30	3	3	0.3	0.8	-2.2	2	1	5.6	5.9	3		-0.3	0.1	0.0	14.1	24.7	5.8	0.0	1	2	0.0	19	171
2.5		50	5	4	0.0	0.2	-1.4	0	0	5.0	6.5	3		-0.3	0.1	0.0	22.3	39.2	9.1	0.0	1	1	0.0	12	50
4	0.00	2	1	8	-2.3	0.6	-3.7	3	2	5.4	6.1	4		-0.3	-0.3	0.0	52.6	55.5	6.1	0.0	1	1	0.0	12	130
4	3.90	30	3	8	-1.4	0.4	-3.2	2	1	5.4	6.2	8		-0.1	-0.6	0.0	14.1	24.7	5.8	0.0	1	2	0.0	19	170
2.5		50	5	3	0.0	0.2	-2.4	0	0	5.1	6.4	4		-0.3	-0.3	0.0	52.6	55.5	6.1	0.0	1	1	0.0	12	50
5	0.00	2	1	3	0.6	0.9	-2.7	2	1	5.8	5.7	3		-0.2	0.2	0.0	22.3	39.2	9.1	0.0	1	1	0.0	12	129
5	3.90	30	3	3	0.4	0.6	-2.2	1	1	5.8	5.8	3		-0.2	0.2	0.0	14.1	24.7	5.8	0.0	1	1	0.0	19	171
2.5		50	5	3	0.0	0.1	-1.4	0	0	5.0	6.5	3		-0.2	0.2	0.0	22.3	39.2	9.1	0.0	1	1	0.0	12	50
6	0.00	2	1	8	-1.9	0.6	-1.8	4	2	5.7	5.8	7		-0.2	0.5	0.0	51.3	54.1	6.1	0.0	1	1	0.0	12	130
6	3.90	30	3	8	-1.2	0.4	-1.2	2	1	5.7	5.8	3		-0.3	0.1	0.0	14.1	24.7	5.8	0.0	1	2	0.0	19	170
2.5		50	5	3	0.0	0.1	-0.2	0	0	4.7	6.8	7		-0.2	0.5	0.0	51.3	54.1	6.1	0.0	1	1	0.0	12	50
7	0.00	2	1	3	0.5	0.9	-2.3	2	1	5.6	5.9	3		-0.2	0.1	0.0	22.3	39.2	9.1	0.0	1	1	0.0	12	130
7	3.90	30	3	3	0.3	0.6	-1.7	1	1	5.6	6.0	3		-0.2	0.1	0.0	14.1	24.7	5.8	0.0	1	1	0.0	19	170
2.5		50	5	4	0.0	0.1	-1.0	0	0	5.0	6.6	3		-0.2	0.1	0.0	22.3	39.2	9.1	0.0	1	1	0.0	12	50
8	0.00	2	1	3	0.5	1.9	-2.9	5	2	5.2	6.3	3		-0.4	0.1	0.0	22.3	39.2	9.1	0.0	1	2	0.0	12	138
8	4.15	30	3	3	0.3	1.2	-2.4	3	1	5.2	6.4	3		-0.4	0.1	0.0	14.1	24.7	5.8	0.0	1	3	0.0	19	187
2.5		50	5	4	0.0	0.2	-1.6	0	0	4.9	6.6	3		-0.4	0.1	0.0	22.3	39.2	9.1	0.0	1	2	0.0	12	50
9	0.00	2	1	4	-1.1	2.0	-6.3	5	3	5.2	6.3	3		-0.5	0.0	0.0	22.3	39.2	9.1	0.0	1	2	0.0	12	137
9	4.15	30	3	4	-0.7	1.3	-5.7	3	2	5.2	6.3	3		-0.5	0.0	0.0	14.1	24.7	5.8	0.0	1	3	0.0	19	188
2.5		50	5	3	0.1	0.3	-5.1	0	0	5.2	6.3	3		-0.5	0.0	0.0	22.3	39.2	9.1	0.0	1	2	0.0	12	50
10	0.00	2	1	3	1.0	1.8	-3.5	5	3	5.5	6.0	3		-0.4	0.2	0.0	52.5	55.4	6.1	0.0	1	1	0.0	12	138
10	4.15	30	3	3	0.6	1.2	-2.9	3	2	5.5	6.0	3		-0.4	0.2	0.0	14.1	24.7	5.8	0.0	1	3	0.0	19	187
2.5		50	5	3	0.0	0.2	-2.1	0	0	5.0	6.5	3		-0.4	0.2	0.0	52.5	55.4	6.1	0.0	1	1	0.0	12	50
11	0.00	2	1	3	0.9	2.0	-3.5	5	3	5.5	6.0	3		-0.5	0.2	0.0	22.3	39.2	9.1	0.0	1	2	0.0	12	138
11	4.15	30	3	3	0.6	1.3	-3.0	3	2	5.5	6.0	3		-0.5	0.2	0.0	14.1	24.7	5.8	0.0	1	3	0.0	19	187
2.5		50	5	4	0.0	0.2	-2.2	0	0	5.0	6.5	3		-0.5	0.2	0.0	22.3	39.2	9.1	0.0	1	2	0.0	12	50
12	0.00	2	1	4	-1.1	2.1	-6.3	5	3	5.2	6.3	3		-0.5	0.0	0.0	22.3	39.2	9.1	0.0	1	2	0.0	12	137
12	4.15	30	3	4	-0.7	1.4	-5.7	3	2	5.2	6.3	3		-0.5	0.0	0.0	14.1	24.7	5.8	0.0	1	3	0.0	19	188
2.5		50	5	3	0.1	0.3	-5.1	0	0	5.2	6.3	3		-0.5	0.0	0.0	22.3	39.2	9.1	0.0	1	2	0.0	12	50
13	0.00	2	1	3	0.4	1.9	-3.0	5	2	5.2	6.3	3		-0.4	0.1	0.0	22.3	39.2	9.1	0.0	1	2	0.0	12	138
13	4.15	30	3	3	0.3	1.2	-2.4	3	1	5.2	6.3	3		-0.4	0.1	0.0	14.1	24.7	5.8	0.0	1	3	0.0	19	187
2.5		50	5	3	0.0	0.2	-1.6	0	0	4.9	6.6	3		-0.4	0.1	0.0	22.3	39.2	9.1	0.0	1	2	0.0	12	50
14	0.00	2	1	3	0.9	3.5	-3.5	7	4	5.3	8.8	3		-0.8	0.2	0.0	22.3	39.2	9.1	0.0	2	3	0.0	12	137
14	4.15	30	3	3	0.6	2.2	-2.9	6	3	5.2	6.3	3		-0.8	0.2	0.0	14.1	24.7	5.8	0.0	2	5	0.0	19	188
2.5		50	5	3	0.0	0.3	-2.1	0	0	4.9	6.6	3		-0.8	0.2	0.0	22.3	39.2	9.1	0.0	2	3	0.0	12	50
16	0.00	2	1	3	1.4	3.4	-4.3	7	4	5.5	8.7	3		-0.8	0.4	0.0	22.3	39.2	9.1	0.0	2	3	0.0	12	137
16	4.15	30	3	3	0.9	2.2	-3.8	6	3	5.5	6.0	3		-0.8	0.4	0.0	14.1	24.7	5.8	0.0	2	5	0.0	19	188
2.5		50	5	4	0.1	0.3	-2.9	0	0	5.1	6.5	3		-0.8	0.4	0.0	22.3	39.2	9.1	0.0	2	3	0.0	12	50
17	0.00	2	1	3	2.5	3.5	-5.6	8	5	5.8	8.5	3		-0.8	0.6	0.0	22.3	39.2	9.1	0.0	3	3	0.0	12	137
17	4.15	30	3	3	1.6	2.2	-5.0	6	3	5.7	5.8	3		-0.8	0.6	0.0	14.1	24.7	5.8	0.0	3	5	0.0	19	188
2.5		50	5	4	0.1	0.4	-4.1	0	0	5.1	6.4	3		-0.8	0.6	0.0	22.3	39.2	9.1	0.0	3	3	0.0	12	50
18	0.00	2	1	3	1.4	3.5	-4.3	7	4	5.5	8.8	3		-0.8	0.3	0.0	22.3	39.2	9.1	0.0	2	3	0.0	12	137
18	4.15	30	3	3	0.8	2.2	-3.7	6	3	5.5	6.0	3		-0.8	0.3	0.0	14.1	24.7	5.8	0.0	2	5	0.0	19	188
2.5		50	5	4	0.1	0.4	-2.9	0	0	5.0	6.5	3		-0.8	0.3	0.0	22.3	39.2	9.1	0.0	2	3	0.0	12	50
20	0.00	2	1	3	1.0	3.1	-3.4	7	4	5.3	7.5	3		-0.7	0.3	0.0	22.3	39.2	9.1	0.0	2	3	0.0	12	137
20	4.15	30	3	3	0.6	2.0	-2.9	5	2	5.3	6.2	3		-0.7	0.3	0.0	14.1	24.7	5.8	0.0	2	5	0.0	19	188
2.5		50	5	4	0.0	0.3	-2.0	0	0	5.0	6.5	3		-0.7	0.3	0.0	22.3	39.2	9.1	0.0	2	3	0.0	12	50
21	0.00	2	1	3	0.6	1.7	-2.5	5	2	5.7	5.8	3		-0.4	0.2	0.0	51.9	54.7	6.1	0.0	1	1	0.0	12	130
21	3.90	30	3	3	0.4	1.1	-2.0	3	1	5.6	5.9	3		-0.4	0.2	0.0	14.1	24.7	5.8	0.0	1	3	0.0	19	170

2.5		50	5 4	0.0	0.2	-1.2	0	0	5.0	6.5	3	-0.4	0.2	0.0	51.9	54.7	6.1	0.0	1	1	0.0	12	50
22	0.00	2	1 3	3.7	1.8	-4.1	8	4	6.6	5.0	7	-0.2	1.4	0.0	22.3	39.2	9.1	0.0	3	3	0.0	12	130
22	3.90	30	3 3	2.2	1.1	-3.6	4	3	6.2	5.4	7	-0.2	1.4	0.0	14.1	24.7	5.8	0.0	3	5	0.0	19	170
2.5		50	5 3	0.1	0.2	-2.8	0	0	5.2	6.3	7	-0.2	1.4	0.0	22.3	39.2	9.1	0.0	3	3	0.0	12	50
23	0.00	2	1 3	1.5	1.8	-3.0	6	3	6.0	5.5	3	-0.4	0.4	0.0	52.2	55.0	6.1	0.0	2	1	0.0	12	130
23	3.90	30	3 3	0.9	1.2	-2.5	3	2	5.9	5.6	3	-0.4	0.4	0.0	14.1	24.7	5.8	0.0	2	3	0.0	19	170
2.5		50	5 3	0.0	0.2	-1.7	0	0	5.1	6.4	3	-0.4	0.4	0.0	52.2	55.0	6.1	0.0	2	1	0.0	12	50
24	0.00	2	1 3	2.0	1.7	-2.8	6	3	6.1	5.4	7	-0.2	0.9	0.0	22.3	39.2	9.1	0.0	2	2	0.0	12	129
24	3.90	30	3 3	1.2	1.1	-2.2	4	2	6.1	5.5	3	-0.4	0.6	0.0	14.1	24.7	5.8	0.0	2	3	0.0	19	171
2.5		50	5 4	0.0	0.2	-1.4	0	0	5.1	6.4	7	-0.2	0.9	0.0	22.3	39.2	9.1	0.0	2	2	0.0	12	50
25	0.00	2	1 3	1.5	1.7	-3.1	5	3	6.0	5.5	3	-0.4	0.4	0.0	52.2	55.1	6.1	0.0	1	1	0.0	12	130
25	3.90	30	3 3	0.9	1.1	-2.5	3	2	6.0	5.5	4	-0.4	0.2	0.0	14.1	24.7	5.8	0.0	1	3	0.0	19	170
2.5		50	5 4	0.0	0.2	-1.7	0	0	5.1	6.4	3	-0.4	0.4	0.0	52.2	55.1	6.1	0.0	1	1	0.0	12	50
26	0.00	2	1 3	3.7	1.7	-4.1	8	4	6.6	5.0	7	-0.2	1.4	0.0	22.3	39.2	9.1	0.0	3	3	0.0	12	130
26	3.90	30	3 3	2.2	1.1	-3.6	4	3	6.2	5.3	7	-0.2	1.4	0.0	14.1	24.7	5.8	0.0	3	5	0.0	19	170
2.5		50	5 4	0.1	0.2	-2.7	0	0	5.2	6.3	7	-0.2	1.4	0.0	22.3	39.2	9.1	0.0	3	3	0.0	12	50
27	0.00	2	1 3	0.8	1.5	-2.5	4	2	5.8	5.7	3	-0.4	0.2	0.0	51.9	54.7	6.1	0.0	1	1	0.0	12	130
27	3.90	30	3 3	0.5	1.0	-2.0	3	1	5.7	5.8	3	-0.4	0.2	0.0	14.1	24.7	5.8	0.0	1	2	0.0	19	170
2.5		50	5 3	0.0	0.2	-1.2	0	0	5.1	6.4	3	-0.4	0.2	0.0	51.9	54.7	6.1	0.0	1	1	0.0	12	50

STAMPA PROGETTO S.L.D. - E.C. - LEGNO

Mat. N.ro	Comb N.ro	Classe durata di riferimento	fmd kg/cmq	fcd kg/cmq	ftd kg/cmq	fvd kg/cmq
101	0	Permanente	144.0	126.0	84.0	13.2
	1	Istantaneo	264.0	231.0	154.0	24.2
	2	Istantaneo	264.0	231.0	154.0	24.2
	3	Istantaneo	264.0	231.0	154.0	24.2
	4	Istantaneo	264.0	231.0	154.0	24.2
	5	Istantaneo	264.0	231.0	154.0	24.2
	6	Istantaneo	264.0	231.0	154.0	24.2
	7	Istantaneo	264.0	231.0	154.0	24.2
	8	Istantaneo	264.0	231.0	154.0	24.2
	9	Istantaneo	264.0	231.0	154.0	24.2
	10	Istantaneo	264.0	231.0	154.0	24.2

VERIFICHE ASTE IN LEGNO

DATI DI ASTA	Fili N.ro	Quota (m)	Trat to	Cmb N.r	N Sd (daN)	MxSd (daN*m)	MySd (daN*m)	VxSd (daN)	VySd (daN)	T Sd (daN*m)	σn	σMx	σMy	τx (daN/cmq)	τy	τMt	Rapp. Fless	Rapp. Taglio
Sez.N.933	1	3.90	3		-190	-117	55	38	442	-19	0	1	1	0	1	1	0.01	0.07
Leg18x68.7	qn=	-442	4		-124	132	63	38	-120	-20	0	1	2	0	0	1	0.01	0.05
Asta: 68	8	4.15	4		-89	-577	71	38	-658	-20	0	4	2	0	1	1	0.02	0.08
Instab.:l= 381.0	ß*l= 266.7				-132	-552	-105	lrx=0.20	lry=0.77	Rx=0.00	Ry=0.02	Wmax/rel/lim=0.00					0.00	0.00 cm
Sez.N.933	8	4.15	4		-107	-544	97	45	740	-15	0	4	3	0	1	1	0.02	0.07
Leg18x68.7	qn=	-443	3		-125	414	-36	44	-96	-15	0	3	1	0	0	1	0.01	0.04
Asta: 69	14	4.15	3		-125	-1058	-169	44	-918	-15	0	7	5	0	1	1	0.04	0.08
Instab.:l= 580.0	ß*l= 406.0				-125	-1058	-169	lrx=0.31	lry=1.18	Rx=0.04	Ry=0.04	Wmax/rel/lim=0.00					0.00	0.00 cm
Sez.N.933	14	4.15	3		86	-987	-180	-45	966	26	0	7	5	0	1	1	0.04	0.11
Leg18x68.7	qn=	-443	10		-25	741	7	5	-14	-2	0	5	0	0	0	0	0.02	0.01
Asta: 70	21	3.90	4		3	-145	86	-46	-694	26	0	1	2	0	1	1	0.01	0.09
Instab.:l= 580.4	ß*l= 406.3				-4	739	-10	lrx=0.31	lry=1.18	Rx=0.02	Ry=0.01	Wmax/rel/lim=0.00					0.00	0.00 cm
Sez.N.933	21	3.90	3		7	-163	-51	-51	324	0	0	1	1	0	0	0	0.01	0.02
Leg18x68.7	qn=	-443	3		7	-37	-25	-51	182	0	0	0	1	0	0	0	0.00	0.01
Asta: 71	28	3.90	3		7	18	0	-51	40	0	0	0	0	0	0	0	0.00	0.00
Instab.:l= 100.0	ß*l= 70.0				0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00					0.00	0.00 cm
Sez.N.933	35	3.90	4		8	-3	0	36	-41	0	0	0	0	0	0	0	0.00	0.00
Leg18x68.7	qn=	-443	4		8	-59	-18	36	-183	0	0	0	0	0	0	0	0.00	0.01
Asta: 72	1	3.90	4		8	-186	-36	36	-324	0	0	1	1	0	0	0	0.01	0.02
Instab.:l= 100.0	ß*l= 70.0				0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00					0.00	0.00 cm
Sez.N.933	22	3.90	4		-13	-317	-50	-50	489	0	0	2	1	0	1	0	0.01	0.03
Leg18x68.7	qn=	-663	4		-13	-124	-25	-50	286	0	0	1	1	0	0	0	0.01	0.02
Asta: 73	29	3.90	4		-13	-33	0	-50	82	0	0	0	0	0	0	0	0.00	0.01
Instab.:l= 100.0	ß*l= 70.0				0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00					0.00	0.00 cm
Sez.N.933	23	3.90	5		11	-271	50	50	489	0	0	2	1	0	1	0	0.01	0.03
Leg18x68.7	qn=	-663	5		11	-77	25	50	285	0	0	1	1	0	0	0	0.00	0.02
Asta: 74	30	3.90	5		11	15	0	50	82	0	0	0	0	0	0	0	0.00	0.01
Instab.:l= 100.0	ß*l= 70.0				0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00					0.00	0.00 cm
Sez.N.933	24	3.90	5		11	-281	50	50	489	0	0	2	1	0	1	0	0.01	0.03
Leg18x68.7	qn=	-663	5		11	-87	25	50	286	0	0	1	1	0	0	0	0.00	0.02
Asta: 75	31	3.90	5		11	5	0	50	82	0	0	0	0	0	0	0	0.00	0.01
Instab.:l= 100.0	ß*l= 70.0				0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00					0.00	0.00 cm
Sez.N.933	25	3.90	5		11	-271	50	50	489	0	0	2	1	0	1	0	0.01	0.03
Leg18x68.7	qn=	-663	5		11	-77	25	50	285	0	0	1	1	0	0	0	0.00	0.02
Asta: 76	32	3.90	5		11	15	0	50	82	0	0	0	0	0	0	0	0.00	0.01
Instab.:l= 100.0	ß*l= 70.0				0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00					0.00	0.00 cm
Sez.N.933	26	3.90	4		-13	-317	-50	-50	489	0	0	2	1	0	1	0	0.01	0.03
Leg18x68.7	qn=	-663	4		-13	-124	-25	-50	286	0	0	1	1	0	0	0	0.01	0.02
Asta: 77	33	3.90	4		-13	-33	0	-50	82	0	0	0	0	0	0	0	0.00	0.01
Instab.:l= 100.0	ß*l= 70.0				0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00					0.00	0.00 cm
Sez.N.933	27	3.90	3		8	-165	-50	-50	326	0	0	1	1	0	0	0	0.01	0.02
Leg18x68.7	qn=	-443	3		8	-38	-25	-50	184	0	0	0	1	0	0	0	0.00	0.01
Asta: 78	34	3.90	3		8	17	0	-50	42	0	0	0	0	0	0	0	0.00	0.00
Instab.:l= 100.0	ß*l= 70.0				0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00					0.00	0.00 cm
Sez.N.933	15	4.15	3		-661	4228	-181	-46	322	11	1	30	5	0	0	1	0.13	0.04
Leg18x68.7	qn=	-663	7		-777	4593	-57	-18	-13	5	1	32	2	0	0	0	0.13	0.01
Asta: 79	22	3.90	3		-762	-766	88	-46	-2040	11	1	5	2	0	2	1	0.03	0.13
Instab.:l= 580.4	ß*l= 406.3				-777	4593	-57	lrx=0.31	lry=1.18	Rx=0.13	Ry=0.10	Wmax/rel/lim=0.00					0.00	0.00 cm
Sez.N.933	16	4.15	4		-16	-1431	-180	-46	1370	26	0	10	5	0	2	1	0.05	0.13
Leg18x68.7	qn=	-663	4		-67	832	-46	-46	189	26	0	6	1	0	0	1	0.03	0.07
Asta: 80	23	3.90	3		-97	-420	87	-46	-1015	26	0	3	2	0	1	1	0.02	0.11
Instab.:l= 580.4	ß*l= 406.3				-16	-1431	-180	lrx=0.31	lry=1.18	Rx=0.05	Ry=0.05	Wmax/rel/lim=0.00					0.00	0.00 cm

Sez.N.933	17	4.15	4	-75	-3149	-174	-44	1659	26	0	22	5	0	2	1	0.10	0.14		
Leg18x68.7	qn=	-663	10	-66	324	3	5	-11	-2	0	2	0	0	0	0	0.01	0.01		
Asta: 81	24	3.90	3	-247	-496	85	-44	-719	26	0	3	2	0	1	1	0.02	0.09		
Instab.:l= 580.4	ß*l= 406.3			-145	-3194	-174	lrx=0.31	lry=1.18	Rx=0.10	Ry=0.08	Wmax/rel/lim=0.00				0.00	0.00	cm		
Sez.N.933	18	4.15	4	-18	-1397	-180	-46	1365	26	0	10	5	0	2	1	0.05	0.13		
Leg18x68.7	qn=	-663	4	-69	850	-46	-46	184	26	0	6	1	0	0	1	0.03	0.07		
Asta: 82	25	3.90	3	-100	-418	87	-46	-1020	26	0	3	2	0	1	1	0.02	0.11		
Instab.:l= 580.4	ß*l= 406.3			-18	-1397	-180	lrx=0.31	lry=1.18	Rx=0.05	Ry=0.04	Wmax/rel/lim=0.00				0.00	0.00	cm		
Sez.N.933	19	4.15	3	-655	4237	-181	-46	323	11	1	30	5	0	0	1	0.13	0.04		
Leg18x68.7	qn=	-663	7	-776	4595	-57	-18	-13	5	1	32	2	0	0	0	0.13	0.01		
Asta: 83	26	3.90	3	-757	-764	87	-46	-2039	11	1	5	2	0	2	1	0.03	0.13		
Instab.:l= 580.4	ß*l= 406.3			-776	4595	-57	lrx=0.31	lry=1.18	Rx=0.13	Ry=0.10	Wmax/rel/lim=0.00				0.00	0.00	cm		
Sez.N.933	20	4.15	3	24	-944	-180	-46	956	26	0	7	5	0	1	1	0.04	0.10		
Leg18x68.7	qn=	-443	10	4	741	6	5	-9	-2	0	5	0	0	0	0	0.02	0.01		
Asta: 84	27	3.90	4	-58	-166	86	-45	-705	26	0	1	2	0	1	1	0.01	0.09		
Instab.:l= 580.4	ß*l= 406.3			-23	653	-47	lrx=0.31	lry=1.18	Rx=0.02	Ry=0.02	Wmax/rel/lim=0.00				0.00	0.00	cm		
Sez.N.933	9	4.15	3	-562	-5148	100	47	2797	7	0	36	3	0	3	0	0.14	0.16		
Leg18x68.7	qn=	-663	3	-562	1255	-41	47	1616	7	0	9	1	0	2	0	0.04	0.10		
Asta: 85	15	4.15	3	-562	4233	-181	47	435	7	0	30	5	0	1	0	0.13	0.04		
Instab.:l= 580.0	ß*l= 406.0			-554	-5139	-109	lrx=0.31	lry=1.18	Rx=0.15	Ry=0.11	Wmax/rel/lim=0.00				0.00	0.00	cm		
Sez.N.933	10	4.15	4	-336	-650	97	44	1036	-15	0	5	3	0	1	1	0.02	0.09		
Leg18x68.7	qn=	-663	3	-304	645	-36	44	-158	-15	0	5	1	0	0	1	0.02	0.04		
Asta: 86	16	4.15	3	-304	-1525	-169	44	-1339	-15	0	11	5	0	2	1	0.05	0.10		
Instab.:l= 580.0	ß*l= 406.0			-304	-1525	-169	lrx=0.31	lry=1.18	Rx=0.05	Ry=0.05	Wmax/rel/lim=0.00				0.00	0.00	cm		
Sez.N.933	11	4.15	4	-318	-708	98	44	1053	-15	0	5	3	0	1	1	0.03	0.09		
Leg18x68.7	qn=	-663	3	-287	637	-35	44	-141	-15	0	4	1	0	0	1	0.02	0.04		
Asta: 87	18	4.15	3	-287	-1484	-169	44	-1322	-15	0	10	5	0	2	1	0.05	0.10		
Instab.:l= 580.0	ß*l= 406.0			-287	-1484	-169	lrx=0.31	lry=1.18	Rx=0.05	Ry=0.05	Wmax/rel/lim=0.00				0.00	0.00	cm		
Sez.N.933	12	4.15	3	-555	-5138	100	47	2800	6	0	36	3	0	3	0	0.14	0.16		
Leg18x68.7	qn=	-663	3	-555	1265	-40	47	1619	6	0	9	1	0	2	0	0.04	0.10		
Asta: 88	19	4.15	3	-555	4242	-181	47	437	6	0	30	5	0	1	0	0.13	0.04		
Instab.:l= 580.0	ß*l= 406.0			-563	-5147	-109	lrx=0.31	lry=1.18	Rx=0.15	Ry=0.11	Wmax/rel/lim=0.00				0.00	0.00	cm		
Sez.N.933	13	4.15	4	-162	-578	98	44	754	-14	0	4	3	0	1	1	0.02	0.07		
Leg18x68.7	qn=	-443	3	-180	422	-35	44	-83	-14	0	3	1	0	0	1	0.01	0.04		
Asta: 89	20	4.15	3	-180	-1007	-169	44	-904	-14	0	7	5	0	1	1	0.04	0.08		
Instab.:l= 580.0	ß*l= 406.0			-180	-1007	-169	lrx=0.31	lry=1.18	Rx=0.04	Ry=0.04	Wmax/rel/lim=0.00				0.00	0.00	cm		
Sez.N.933	2	3.90	3	-418	-218	57	38	-512	-20	0	2	2	0	1	1	0.01	0.07		
Leg18x68.7	qn=	-662	3	-367	-1930	64	38	-1286	-20	0	14	2	0	2	1	0.06	0.11		
Asta: 90	9	4.15	9	-181	-5398	-43	-1	-2163	0	0	38	1	0	3	0	0.15	0.11		
Instab.:l= 381.0	ß*l= 266.7			-322	-5126	-103	lrx=0.20	lry=0.77	Rx=0.00	Ry=0.11	Wmax/rel/lim=0.00				0.00	0.00	cm		
Sez.N.933	3	3.90	4	-525	-303	61	40	677	-18	0	2	2	0	1	1	0.01	0.08		
Leg18x68.7	qn=	-662	3	-420	292	66	40	-131	-19	0	2	2	0	0	1	0.01	0.05		
Asta: 91	10	4.15	3	-369	-674	71	40	-905	-19	0	5	2	0	1	1	0.02	0.09		
Instab.:l= 381.0	ß*l= 266.7			-404	-751	-106	lrx=0.20	lry=0.77	Rx=0.00	Ry=0.03	Wmax/rel/lim=0.00				0.00	0.00	cm		
Sez.N.933	5	3.90	4	-497	-293	62	40	660	-20	0	2	2	0	1	1	0.01	0.08		
Leg18x68.7	qn=	-662	3	-392	271	67	40	-148	-20	0	2	2	0	0	1	0.01	0.05		
Asta: 92	11	4.15	3	-341	-727	72	40	-922	-20	0	5	2	0	1	1	0.02	0.09		
Instab.:l= 381.0	ß*l= 266.7			-414	-732	-105	lrx=0.20	lry=0.77	Rx=0.00	Ry=0.03	Wmax/rel/lim=0.00				0.00	0.00	cm		
Sez.N.933	6	3.90	3	-426	-222	59	38	-508	-19	0	2	2	0	1	1	0.01	0.07		
Leg18x68.7	qn=	-662	3	-375	-1936	66	38	-1282	-19	0	14	2	0	2	1	0.06	0.11		
Asta: 93	12	4.15	9	-181	-5394	-41	-1	-2163	1	0	38	1	0	3	0	0.15	0.11		
Instab.:l= 381.0	ß*l= 266.7			-318	-5114	-102	lrx=0.20	lry=0.77	Rx=0.00	Ry=0.11	Wmax/rel/lim=0.00				0.00	0.00	cm		
Sez.N.933	7	3.90	3	-226	-132	59	39	450	-19	0	1	2	0	1	1	0.01	0.07		
Leg18x68.7	qn=	-442	4	-160	136	66	39	-112	-19	0	1	2	0	0	1	0.01	0.05		
Asta: 94	13	4.15	4	-125	-554	72	39	-650	-19	0	4	2	0	1	1	0.02	0.08		
Instab.:l= 381.0	ß*l= 266.7			-82	-579	-105	lrx=0.20	lry=0.77	Rx=0.00	Ry=0.02	Wmax/rel/lim=0.00				0.00	0.00	cm		
Sez.N.933	36	3.90	4	13	7	0	32	-82	0	0	0	0	0	0	0	0.00	0.01		
Leg18x68.7	qn=	-663	4	13	-84	-16	32	-286	0	0	1	0	0	0	0	0.00	0.02		
Asta: 95	2	3.90	4	13	-278	-32	32	-489	0	0	2	1	0	1	0	0.01	0.03		
Instab.:l= 100.0	ß*l= 70.0			0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00				0.00	0.00	cm		
Sez.N.933	37	3.90	6	11	6	0	-30	-82	0	0	0	0	0	0	0	0.00	0.01		
Leg18x68.7	qn=	-663	6	11	-85	15	-30	-286	0	0	1	0	0	0	0	0.00	0.02		
Asta: 96	3	3.90	6	11	-279	30	-30	-489	0	0	2	1	0	1	0	0.01	0.03		
Instab.:l= 100.0	ß*l= 70.0			0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00				0.00	0.00	cm		
Sez.N.933	38	3.90	6	11	-20	0	-34	-83	0	0	0	0	0	0	0	0.00	0.01		
Leg18x68.7	qn=	-663	6	11	-113	17	-34	-287	0	0	1	0	0	0	0	0.00	0.02		
Asta: 97	4	3.90	6	11	-307	34	-34	-491	0	0	2	1	0	1	0	0.01	0.03		
Instab.:l= 100.0	ß*l= 70.0			0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00				0.00	0.00	cm		
Sez.N.933	39	3.90	6	11	6	0	-32	-82	0	0	0	0	0	0	0	0.00	0.01		
Leg18x68.7	qn=	-663	6	11	-85	16	-32	-285	0	0	1	0	0	0	0	0.00	0.02		
Asta: 98	5	3.90	6	11	-279	32	-32	-489	0	0	2	1	0	1	0	0.01	0.03		
Instab.:l= 100.0	ß*l= 70.0			0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00				0.00	0.00	cm		
Sez.N.933	40	3.90	6	13	7	0	-32	-82	0	0	0	0	0	0	0	0.00	0.01		
Leg18x68.7	qn=	-663	6	13	-85	16	-32	-286	0	0	1	0	0	0	0	0.00	0.02		
Asta: 99	6	3.90	6	13	-278	32	-32	-489	0	0	2	1	0	1	0	0.01	0.03		
Instab.:l= 100.0	ß*l= 70.0			0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00				0.00	0.00	cm		
Sez.N.933	41	3.90	6	8	-3	0	-32	-41	0	0	0	0	0	0	0	0.00	0.00		
Leg18x68.7	qn=	-443	6	8	-59	16	-32	-183	0	0	0	0	0	0	0	0.00	0.01		
Asta: 100	7	3.90	6	8	-186	32	-32	-324	0	0	1	1	0	0	0	0.01	0.02		
Instab.:l= 100.0	ß*l= 70.0			0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00				0.00	0.00	cm		
Sez.N.933	4	3.90	3	-774	-368	52	-25	1678	-14	1	3	1	0	2	1	0.01	0.12		
Leg18x68.7	qn=	-662	7	-626	2252	22	-3	937	-6	1	16	1	0	1	0	0.06	0.06		
Asta: 101	42	4.15	9	-575	3282	-41	16	163	1	0	23	1	0	0	0	0.09	0.01		
Instab.:l= 381.0	ß*l= 266.7			-673	3064	-109	lrx=0.20	lry=0.77	Rx=0.00	Ry=0.07	Wmax/rel/lim=0.00				0.00	0.00	cm		
Sez.N.934	21	3.90	7	-160	0	0	0	37	-20	0	0	0	0	0	1	0.00	0.06		
Leg16x36	qn=	-20	7	-160	34	0	0	0	-20	0	1	0	0	0	1	0.00	0.06		
Asta: 102	22	3.90	7	-160	0	0	0	-37	-20	0	0	0	0	0	1	0.00	0.06		
Instab.:l= 370.0	ß*l= 259.0			-193	34	0	lrx=0.37	lry=0.84	Rx=0.01	Ry=0.00	Wmax/rel/lim=0.00				0.00	0.00	cm		
Sez.N.934	1	3.90	10	-292	0	0	0	37	-4	1	0	0	0	0	0	0.00	0.02		
Leg16x36	qn=	-20	10	-292	34	0	0	0	-4	1	1	0	0	0	0	0.00	0.01		
Asta: 103	2	3.90	10	-292	0	0	0	-37	-4	1	0	0	0	0	0	0.00	0.02		
Instab.:l= 370.0	ß*l= 259.0			-300	34	0	lrx=0.37	lry=0.84	Rx=0.01	Ry=0.01	Wmax/rel/lim=0.00				0.00	0.00	cm		
Sez.N.934	2	3.90	8	-251	0	0	0	37	4	0	0	0	0	0	0	0.00	0.02		
Leg16x36	qn=	-20	8	-251	34	0	0	0	4	0	1	0	0	0	0	0.00	0.01		
Asta: 104	3	3.90	8	-251	0	0	0	-37	4	0	0	0	0	0	0	0.00	0.02		
Instab.:l= 370.0	ß*l= 259.0			-251	34	0	lrx=0.37	lry=0.84	Rx=0.01	Ry=0.00	Wmax/rel/lim=0.00				0.00	0.00	cm		
Sez.N.934	3	3.90	9	-106	0	0	0	37	13	0	0	0	0	0	1	0.00	0.04		
Leg16x36	qn=	-20	9	-106	34	0	0	0	13	0	1	0	0	0	1	0.00	0.04		
Asta: 105	4	3.90	9	-106	0	0	0	-37	13	0	0	0	0	0	1	0.00	0.04		
Instab.:l= 370.0	ß*l= 259.0			-146	34	0	lrx=0.37	lry=0.84	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00				0.00	0.00	cm		

Sez.N.934	4	3.90	7	-36	0	0	0	37	-13	0	0	0	0	0	1	0.00	0.04
Leg16x36	qn=	-20	7	-36	34	0	0	0	-13	0	1	0	0	0	1	0.00	0.04
Asta: 106	5	3.90	7	-36	0	0	0	-37	-13	0	0	0	0	0	1	0.00	0.04
Instab.:l= 370.0		ß*l= 259.0		-76	34	0	lrx=0.37	lry=0.84	Rx=0.00		Ry=0.00		Wmax/rel/lim=0.00		0.00	0.00	cm
Sez.N.934	5	3.90	10	-48	0	0	0	37	-4	0	0	0	0	0	0	0.00	0.02
Leg16x36	qn=	-20	10	-48	34	0	0	0	-4	0	1	0	0	0	0	0.00	0.01
Asta: 107	6	3.90	10	-48	0	0	0	-37	-4	0	0	0	0	0	0	0.00	0.02
Instab.:l= 370.0		ß*l= 259.0		-48	34	0	lrx=0.37	lry=0.84	Rx=0.00		Ry=0.00		Wmax/rel/lim=0.00		0.00	0.00	cm
Sez.N.934	6	3.90	8	52	0	0	0	37	4	0	0	0	0	0	0	0.00	0.02
Leg16x36	qn=	-20	8	52	34	0	0	0	4	0	1	0	0	0	0	0.00	0.01
Asta: 108	7	3.90	8	52	0	0	0	-37	4	0	0	0	0	0	0	0.00	0.02
Instab.:l= 370.0		ß*l= 259.0		0	0	0	lrx=0.00	lry=0.00	Rx=0.00		Ry=0.00		Wmax/rel/lim=0.00		0.00	0.00	cm
Sez.N.934	8	4.15	7	-553	0	0	0	37	8	1	0	0	0	0	1	0.00	0.03
Leg16x36	qn=	-20	7	-553	34	0	0	0	8	1	1	0	0	0	1	0.00	0.03
Asta: 109	9	4.15	7	-553	0	0	0	-37	8	1	0	0	0	0	1	0.00	0.03
Instab.:l= 370.0		ß*l= 259.0		-639	34	0	lrx=0.37	lry=0.84	Rx=0.01		Ry=0.01		Wmax/rel/lim=0.00		0.00	0.00	cm
Sez.N.934	9	4.15	9	-458	0	0	0	37	-8	1	0	0	0	0	1	0.00	0.03
Leg16x36	qn=	-20	9	-458	34	0	0	0	-8	1	1	0	0	0	1	0.00	0.02
Asta: 110	10	4.15	9	-458	0	0	0	-37	-8	1	0	0	0	0	1	0.00	0.03
Instab.:l= 370.0		ß*l= 259.0		-506	34	0	lrx=0.37	lry=0.84	Rx=0.01		Ry=0.01		Wmax/rel/lim=0.00		0.00	0.00	cm
Sez.N.934	11	4.15	7	-140	0	0	0	37	8	0	0	0	0	0	1	0.00	0.03
Leg16x36	qn=	-20	7	-140	34	0	0	0	8	0	1	0	0	0	1	0.00	0.02
Asta: 111	12	4.15	7	-140	0	0	0	-37	8	0	0	0	0	0	1	0.00	0.03
Instab.:l= 370.0		ß*l= 259.0		-187	34	0	lrx=0.37	lry=0.84	Rx=0.01		Ry=0.00		Wmax/rel/lim=0.00		0.00	0.00	cm
Sez.N.934	12	4.15	9	91	0	0	0	37	-8	0	0	0	0	0	1	0.00	0.03
Leg16x36	qn=	-20	9	91	34	0	0	0	-8	0	1	0	0	0	1	0.00	0.03
Asta: 112	13	4.15	9	91	0	0	0	-37	-8	0	0	0	0	0	1	0.00	0.03
Instab.:l= 370.0		ß*l= 259.0		0	0	0	lrx=0.00	lry=0.00	Rx=0.00		Ry=0.00		Wmax/rel/lim=0.00		0.00	0.00	cm
Sez.N.934	14	4.15	10	-566	0	0	0	37	3	1	0	0	0	0	0	0.00	0.01
Leg16x36	qn=	-20	10	-566	34	0	0	0	3	1	1	0	0	0	0	0.00	0.01
Asta: 113	15	4.15	10	-566	0	0	0	-37	3	1	0	0	0	0	0	0.00	0.01
Instab.:l= 370.0		ß*l= 259.0		-709	34	0	lrx=0.37	lry=0.84	Rx=0.01		Ry=0.01		Wmax/rel/lim=0.00		0.00	0.00	cm
Sez.N.934	15	4.15	8	-549	0	0	0	37	-3	1	0	0	0	0	0	0.00	0.01
Leg16x36	qn=	-20	8	-549	34	0	0	0	-3	1	1	0	0	0	0	0.00	0.01
Asta: 114	16	4.15	8	-549	0	0	0	-37	-3	1	0	0	0	0	0	0.00	0.01
Instab.:l= 370.0		ß*l= 259.0		-645	34	0	lrx=0.37	lry=0.84	Rx=0.01		Ry=0.01		Wmax/rel/lim=0.00		0.00	0.00	cm
Sez.N.934	16	4.15	9	-264	0	0	0	37	-5	0	0	0	0	0	0	0.00	0.02
Leg16x36	qn=	-20	9	-264	34	0	0	0	-5	0	1	0	0	0	0	0.00	0.02
Asta: 115	17	4.15	9	-264	0	0	0	-37	-5	0	0	0	0	0	0	0.00	0.02
Instab.:l= 370.0		ß*l= 259.0		-363	34	0	lrx=0.37	lry=0.84	Rx=0.01		Ry=0.01		Wmax/rel/lim=0.00		0.00	0.00	cm
Sez.N.934	17	4.15	7	-74	0	0	0	37	5	0	0	0	0	0	0	0.00	0.02
Leg16x36	qn=	-20	7	-74	34	0	0	0	5	0	1	0	0	0	0	0.00	0.02
Asta: 116	18	4.15	7	-74	0	0	0	-37	5	0	0	0	0	0	0	0.00	0.02
Instab.:l= 370.0		ß*l= 259.0		-173	34	0	lrx=0.37	lry=0.84	Rx=0.01		Ry=0.00		Wmax/rel/lim=0.00		0.00	0.00	cm
Sez.N.934	18	4.15	10	21	0	0	0	37	3	0	0	0	0	0	0	0.00	0.01
Leg16x36	qn=	-20	10	21	34	0	0	0	3	0	1	0	0	0	0	0.00	0.01
Asta: 117	19	4.15	10	21	0	0	0	-37	3	0	0	0	0	0	0	0.00	0.01
Instab.:l= 370.0		ß*l= 259.0		-75	34	0	lrx=0.37	lry=0.84	Rx=0.00		Ry=0.00		Wmax/rel/lim=0.00		0.00	0.00	cm
Sez.N.934	19	4.15	8	21	0	0	0	37	-3	0	0	0	0	0	0	0.00	0.01
Leg16x36	qn=	-20	8	21	34	0	0	0	-3	0	1	0	0	0	0	0.00	0.01
Asta: 118	20	4.15	8	21	0	0	0	-37	-3	0	0	0	0	0	0	0.00	0.01
Instab.:l= 370.0		ß*l= 259.0		-122	34	0	lrx=0.37	lry=0.84	Rx=0.00		Ry=0.00		Wmax/rel/lim=0.00		0.00	0.00	cm
Sez.N.934	22	3.90	7	-114	0	0	0	37	19	0	0	0	0	0	1	0.00	0.06
Leg16x36	qn=	-20	7	-114	34	0	0	0	19	0	1	0	0	0	1	0.00	0.06
Asta: 119	23	3.90	7	-114	0	0	0	-37	19	0	0	0	0	0	1	0.00	0.06
Instab.:l= 370.0		ß*l= 259.0		-124	34	0	lrx=0.37	lry=0.84	Rx=0.00		Ry=0.00		Wmax/rel/lim=0.00		0.00	0.00	cm
Sez.N.934	23	3.90	9	-57	0	0	0	37	3	0	0	0	0	0	0	0.00	0.01
Leg16x36	qn=	-20	9	-57	34	0	0	0	3	0	1	0	0	0	0	0.00	0.01
Asta: 120	24	3.90	9	-57	0	0	0	-37	3	0	0	0	0	0	0	0.00	0.01
Instab.:l= 370.0		ß*l= 259.0		-60	34	0	lrx=0.37	lry=0.84	Rx=0.00		Ry=0.00		Wmax/rel/lim=0.00		0.00	0.00	cm
Sez.N.934	24	3.90	7	-6	0	0	0	37	-3	0	0	0	0	0	0	0.00	0.01
Leg16x36	qn=	-20	7	-6	34	0	0	0	-3	0	1	0	0	0	0	0.00	0.01
Asta: 121	25	3.90	7	-6	0	0	0	-37	-3	0	0	0	0	0	0	0.00	0.01
Instab.:l= 370.0		ß*l= 259.0		-10	34	0	lrx=0.37	lry=0.84	Rx=0.00		Ry=0.00		Wmax/rel/lim=0.00		0.00	0.00	cm
Sez.N.934	25	3.90	9	38	0	0	0	37	-19	0	0	0	0	0	1	0.00	0.06
Leg16x36	qn=	-20	9	38	34	0	0	0	-19	0	1	0	0	0	1	0.00	0.06
Asta: 122	26	3.90	9	38	0	0	0	-37	-19	0	0	0	0	0	1	0.00	0.06
Instab.:l= 370.0		ß*l= 259.0		0	0	0	lrx=0.00	lry=0.00	Rx=0.00		Ry=0.00		Wmax/rel/lim=0.00		0.00	0.00	cm
Sez.N.934	26	3.90	9	98	0	0	0	37	20	0	0	0	0	0	1	0.00	0.06
Leg16x36	qn=	-20	9	98	34	0	0	0	20	0	1	0	0	0	1	0.00	0.06
Asta: 123	27	3.90	9	98	0	0	0	-37	20	0	0	0	0	0	1	0.00	0.06
Instab.:l= 370.0		ß*l= 259.0		0	0	0	lrx=0.00	lry=0.00	Rx=0.00		Ry=0.00		Wmax/rel/lim=0.00		0.00	0.00	cm
Sez.N.934	35	3.90	10	-9	0	0	0	40	-4	0	0	0	0	0	0	0.00	0.02
Leg16x36	qn=	-20	10	-9	40	0	0	0	-4	0	1	0	0	0	0	0.00	0.01
Asta: 124	36	3.90	10	-9	0	0	0	-40	-4	0	0	0	0	0	0	0.00	0.02
Instab.:l= 400.0		ß*l= 280.0		-15	40	0	lrx=0.41	lry=0.91	Rx=0.00		Ry=0.00		Wmax/rel/lim=0.00		0.00	0.00	cm
Sez.N.934	36	3.90	8	-9	0	0	0	40	4	0	0	0	0	0	0	0.00	0.02
Leg16x36	qn=	-20	8	-9	40	0	0	0	4	0	1	0	0	0	0	0.00	0.01
Asta: 125	37	3.90	8	-9	0	0	0	-40	4	0	0	0	0	0	0	0.00	0.02
Instab.:l= 400.0		ß*l= 280.0		-14	40	0	lrx=0.41	lry=0.91	Rx=0.00		Ry=0.00		Wmax/rel/lim=0.00		0.00	0.00	cm
Sez.N.934	37	3.90	9	-6	0	0	0	40	12	0	0	0	0	0	1	0.00	0.04
Leg16x36	qn=	-20	9	-6	40	0	0	0	12	0	1	0	0	0	1	0.00	0.04
Asta: 126	38	3.90	9	-6	0	0	0	-40	12	0	0	0	0	0	1	0.00	0.04
Instab.:l= 400.0		ß*l= 280.0		-12	40	0	lrx=0.41	lry=0.91	Rx=0.00		Ry=0.00		Wmax/rel/lim=0.00		0.00	0.00	cm
Sez.N.934	38	3.90	7	-6	0	0	0	40	-12	0	0	0	0	0	1	0.00	0.04
Leg16x36	qn=	-20	7	-6	40	0	0	0	-12	0	1	0	0	0	1	0.00	0.04
Asta: 127	39	3.90	7	-6	0	0	0	-40	-12	0	0	0	0	0	1	0.00	0.04
Instab.:l= 400.0		ß*l= 280.0		-11	40	0	lrx=0.41	lry=0.91	Rx=0.00		Ry=0.00		Wmax/rel/lim=0.00		0.00	0.00	cm
Sez.N.934	39	3.90	10	-4	0	0	0	40	-4	0	0	0	0	0	0	0.00	0.02
Leg16x36	qn=	-20	10	-4	40	0	0	0	-4	0	1	0	0	0	0	0.00	0.01
Asta: 128	40	3.90	10	-4	0	0	0	-40	-4	0	0	0	0	0	0	0.00	0.02
Instab.:l= 400.0		ß*l= 280.0		-9	40	0	lrx=0.41	lry=0.91	Rx=0.00		Ry=0.00		Wmax/rel/lim=0.00		0.00	0.00	cm
Sez.N.934	40	3.90	8	-5	0	0	0	40	4	0	0	0	0	0	0	0.00	0.02
Leg16x36	qn=	-20	8	-5	40	0	0	0	4	0	1	0	0	0	0	0.00	0.01
Asta: 129	41	3.90	8	-5	0	0	0	-40	4	0	0	0	0	0	0	0.00	0.02
Instab.:l= 400.0		ß*l= 280.0		-10	40	0	lrx=0.41	lry=0.91	Rx=0.00		Ry=0.00		Wmax/rel/lim=0.00		0.00	0.00	cm
Sez.N.934	28	3.90	7	-6	0	0	0	40	-18	0	0	0	0	0	1	0.00	0.06
Leg16x36	qn=	-20	7	-6	40	0	0	0	-18	0	1	0	0	0	1	0.00	0.06

Asta: 130	29	3.90	7	-6	0	0	0	-40	-18	0	0	0	0	0	1	0.00	0.06		
Instab.:l= 400.0		ß*l= 280.0		-16	40	0	lrx=0.41	lry=0.91	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00				0.00	0.00	cm		
Sez.N.934	29	3.90	7	0	0	0	0	40	18	0	0	0	0	0	1	0.00	0.06		
Leg16x36	qn=	-20	7	0	40	0	0	0	18	0	1	0	0	0	1	0.00	0.05		
Asta: 131	30	3.90	7	0	0	0	0	-40	18	0	0	0	0	0	1	0.00	0.06		
Instab.:l= 400.0		ß*l= 280.0		-11	40	0	lrx=0.41	lry=0.91	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00				0.00	0.00	cm		
Sez.N.934	30	3.90	9	-3	0	0	0	40	3	0	0	0	0	0	0	0.00	0.01		
Leg16x36	qn=	-20	9	-3	40	0	0	0	3	0	1	0	0	0	0	0.00	0.01		
Asta: 132	31	3.90	9	-3	0	0	0	-40	3	0	0	0	0	0	0	0.00	0.01		
Instab.:l= 400.0		ß*l= 280.0		-4	40	0	lrx=0.41	lry=0.91	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00				0.00	0.00	cm		
Sez.N.934	31	3.90	7	-2	0	0	0	40	-3	0	0	0	0	0	0	0.00	0.01		
Leg16x36	qn=	-20	7	-2	40	0	0	0	-3	0	1	0	0	0	0	0.00	0.01		
Asta: 133	32	3.90	7	-2	0	0	0	-40	-3	0	0	0	0	0	0	0.00	0.01		
Instab.:l= 400.0		ß*l= 280.0		-3	40	0	lrx=0.41	lry=0.91	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00				0.00	0.00	cm		
Sez.N.934	32	3.90	9	3	0	0	0	40	-18	0	0	0	0	0	1	0.00	0.06		
Leg16x36	qn=	-20	9	3	40	0	0	0	-18	0	1	0	0	0	1	0.00	0.05		
Asta: 134	33	3.90	9	3	0	0	0	-40	-18	0	0	0	0	0	1	0.00	0.06		
Instab.:l= 400.0		ß*l= 280.0		-8	40	0	lrx=0.41	lry=0.91	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00				0.00	0.00	cm		
Sez.N.934	33	3.90	9	-4	0	0	0	40	18	0	0	0	0	0	1	0.00	0.06		
Leg16x36	qn=	-20	9	-4	40	0	0	0	18	0	1	0	0	0	1	0.00	0.06		
Asta: 135	34	3.90	9	-4	0	0	0	-40	18	0	0	0	0	0	1	0.00	0.06		
Instab.:l= 400.0		ß*l= 280.0		-14	40	0	lrx=0.41	lry=0.91	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00				0.00	0.00	cm		
Sez.N.933	42	4.15	9	-824	3278	-41	-11	-5	2	1	23	1	0	0	0	0.09	0.01		
Leg18x68.7	qn=	-663	10	-587	2693	-35	-11	-9	2	0	19	1	0	0	0	0.07	0.01		
Asta: 136	17	4.15	3	-741	-3454	-161	40	-2304	-16	1	24	4	0	3	1	0.10	0.15		
Instab.:l= 580.0		ß*l= 406.0		-741	-3454	-161	lrx=0.31	lry=1.18	Rx=0.11	Ry=0.09	Wmax/rel/lim=0.00				0.00	0.00	cm		
Sez.N.934	10	4.15	8	-277	0	0	0	39	2	0	0	0	0	0	0	0.00	0.01		
Leg16x36	qn=	-20	8	-277	37	0	0	-1	2	0	1	0	0	0	0	0.00	0.01		
Asta: 137	42	4.15	8	-277	0	0	0	-39	2	0	0	0	0	0	0	0.00	0.01		
Instab.:l= 385.0		ß*l= 269.5		-388	37	0	lrx=0.39	lry=0.88	Rx=0.01	Ry=0.01	Wmax/rel/lim=0.00				0.00	0.00	cm		
Sez.N.934	42	4.15	10	-271	0	0	0	39	-2	0	0	0	0	0	0	0.00	0.01		
Leg16x36	qn=	-20	10	-271	37	0	0	-1	-2	0	1	0	0	0	0	0.00	0.01		
Asta: 138	11	4.15	10	-271	0	0	0	-39	-2	0	0	0	0	0	0	0.00	0.01		
Instab.:l= 385.0		ß*l= 269.5		-381	37	0	lrx=0.39	lry=0.88	Rx=0.01	Ry=0.01	Wmax/rel/lim=0.00				0.00	0.00	cm		

STAMPA VERIFICHE S.L.E. - E.C. - FONDAZIONE

			F E S S U R A Z I O N E								F R E C C E			T E N S I O N I							
Filo N.ro	Quota (m)	Tra Nro	Combi Caric	Fessu. mm lim	cal	dist mm	Con cio	Com bin	Mf X (kN*10)*m	Mf Y	N kN*10	Frecce mm limite	calc	Com bin	Combinaz Carico	σ lim. -- daN/cmq --	σ cal.	Co nc	Comb	Mf X (kN*10)*m	Mf Y	N kN*10
1	0.00		Rara												Rara cls	120.0	6.7	1	2	1.3	0.0	0.0
2	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0				Rara fer	3600	325	1	2	1.3	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0				Perm cls	90.0	9.3	5	1	1.8	0.0	0.0
1	0.00		Rara												Rara cls	120.0	6.2	1	2	1.3	0.0	0.0
8	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0				Rara fer	3600	237	1	2	1.3	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0				Perm cls	90.0	1.9	3	1	-0.5	0.0	0.0
2	0.00		Rara												Rara cls	120.0	19.3	2	2	4.1	0.0	0.0
9	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0				Rara fer	3600	748	2	2	4.1	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0				Perm cls	90.0	11.4	3	1	2.4	0.0	0.0
43	0.00		Rara												Rara cls	120.0	11.9	5	1	2.5	0.0	0.0
10	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0				Rara fer	3600	457	5	1	2.5	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0				Perm cls	90.0	9.8	5	1	2.1	0.0	0.0
44	0.00		Rara												Rara cls	120.0	7.1	2	2	1.5	0.0	0.0
17	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0				Rara fer	3600	271	2	2	1.5	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0				Perm cls	90.0	6.9	1	1	-1.9	0.0	0.0
45	0.00		Rara												Rara cls	120.0	7.9	2	2	1.7	0.0	0.0
11	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0				Rara fer	3600	305	2	2	1.7	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0				Perm cls	90.0	8.5	4	1	1.8	0.0	0.0
6	0.00		Rara												Rara cls	120.0	19.6	2	2	4.2	0.0	0.0
12	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0				Rara fer	3600	759	2	2	4.2	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0				Perm cls	90.0	11.5	3	1	2.4	0.0	0.0
7	0.00		Rara												Rara cls	120.0	5.9	1	2	1.2	0.0	0.0
13	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0				Rara fer	3600	227	1	2	1.2	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0				Perm cls	90.0	2.2	5	1	0.5	0.0	0.0
8	0.00		Rara												Rara cls	120.0	5.9	1	2	1.2	0.0	0.0
14	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0				Rara fer	3600	226	1	2	1.2	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0				Perm cls	90.0	3.9	5	1	0.8	0.0	0.0
9	0.00		Rara												Rara cls	120.0	7.0	1	2	1.5	0.0	0.0
15	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0				Rara fer	3600	269	1	2	1.5	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0				Perm cls	90.0	3.9	5	1	-1.2	0.0	0.0
10	0.00		Rara												Rara cls	120.0	22.2	1	2	4.7	0.0	0.0
16	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0				Rara fer	3600	863	1	2	4.7	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0				Perm cls	90.0	10.6	1	1	2.2	0.0	0.0
11	0.00		Rara												Rara cls	120.0	15.1	1	2	3.2	0.0	0.0
18	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0				Rara fer	3600	583	1	2	3.2	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0				Perm cls	90.0	9.2	1	1	1.9	0.0	0.0
12	0.00		Rara												Rara cls	120.0	7.6	1	2	1.6	0.0	0.0
19	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0				Rara fer	3600	299	5	2	-1.9	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0				Perm cls	90.0	4.9	5	1	-1.3	0.0	0.0
13	0.00		Rara												Rara cls	120.0	9.7	1	2	2.1	0.0	0.0
20	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0				Rara fer	3600	375	1	2	2.1	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0				Perm cls	90.0	4.9	5	1	1.0	0.0	0.0
14	0.00		Rara												Rara cls	120.0	7.5	1	1	1.6	0.0	0.0
46	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0				Rara fer	3600	304	5	1	-1.9	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0				Perm cls	90.0	5.4	1	1	1.1	0.0	0.0
15	0.00		Rara												Rara cls	120.0	10.0	5	2	-2.7	0.0	0.0
47	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0				Rara fer	3600	428	5	2	-2.7	0.0	0.0

		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm	cls	90.0	5.4	5	1	-1.5	0.0	0.0
16	0.00	Rara									Rara	cls	120.0	8.7	5	2	-2.4	0.0	0.0
48	0.00	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara	fer	3600	375	5	2	-2.4	0.0	0.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm	cls	90.0	5.1	5	1	-1.4	0.0	0.0
17	0.00	Rara									Rara	cls	120.0	18.5	1	1	3.9	0.0	0.0
49	0.00	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara	fer	3600	715	1	1	3.9	0.0	0.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm	cls	90.0	8.2	1	1	1.7	0.0	0.0
18	0.00	Rara									Rara	cls	120.0	9.6	1	2	2.0	0.0	0.0
50	0.00	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara	fer	3600	398	5	2	-2.5	0.0	0.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm	cls	90.0	5.2	5	1	-1.4	0.0	0.0
19	0.00	Rara									Rara	cls	120.0	9.1	5	2	-2.5	0.0	0.0
51	0.00	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara	fer	3600	391	5	2	-2.5	0.0	0.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm	cls	90.0	5.2	5	1	-1.4	0.0	0.0
20	0.00	Rara									Rara	cls	120.0	11.7	1	2	2.5	0.0	0.0
52	0.00	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara	fer	3600	450	1	2	2.5	0.0	0.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm	cls	90.0	6.4	1	1	1.3	0.0	0.0
2	0.00	Rara									Rara	cls	120.0	12.5	1	2	2.4	0.0	0.0
3	0.00	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara	fer	3600	607	1	2	2.4	0.0	0.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm	cls	90.0	11.4	1	1	2.2	0.0	0.0
3	0.00	Rara									Rara	cls	120.0	7.4	1	2	1.4	0.0	0.0
4	0.00	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara	fer	3600	360	1	2	1.4	0.0	0.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm	cls	90.0	5.7	3	1	-1.1	0.0	0.0
4	0.00	Rara									Rara	cls	120.0	5.6	1	1	1.1	0.0	0.0
5	0.00	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara	fer	3600	268	1	1	1.1	0.0	0.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm	cls	90.0	5.6	3	1	-1.1	0.0	0.0
5	0.00	Rara									Rara	cls	120.0	8.5	1	2	1.6	0.0	0.0
6	0.00	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara	fer	3600	412	1	2	1.6	0.0	0.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm	cls	90.0	9.7	5	1	1.9	0.0	0.0
6	0.00	Rara									Rara	cls	120.0	10.5	4	2	-2.0	0.0	0.0
7	0.00	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara	fer	3600	507	4	2	-2.0	0.0	0.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm	cls	90.0	10.4	1	1	2.0	0.0	0.0
8	0.00	Rara									Rara	cls	120.0	18.8	5	1	3.7	0.0	0.0
9	0.00	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara	fer	3600	918	5	1	3.7	0.0	0.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm	cls	90.0	17.8	5	1	3.5	0.0	0.0
9	0.00	Rara									Rara	cls	120.0	31.3	1	2	6.2	0.0	0.0
10	0.00	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara	fer	3600	1551	1	2	6.2	0.0	0.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm	cls	90.0	20.3	1	1	4.0	0.0	0.0
11	0.00	Rara									Rara	cls	120.0	18.3	5	1	3.6	0.0	0.0
12	0.00	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara	fer	3600	894	5	1	3.6	0.0	0.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm	cls	90.0	17.4	5	1	3.4	0.0	0.0
12	0.00	Rara									Rara	cls	120.0	31.2	1	2	6.2	0.0	0.0
13	0.00	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara	fer	3600	1548	1	2	6.2	0.0	0.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm	cls	90.0	20.6	1	1	4.0	0.0	0.0
14	0.00	Rara									Rara	cls	120.0	17.3	1	2	3.4	0.0	0.0
15	0.00	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara	fer	3600	846	1	2	3.4	0.0	0.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm	cls	90.0	5.5	3	1	-1.1	0.0	0.0
15	0.00	Rara									Rara	cls	120.0	7.4	3	2	-1.4	0.0	0.0
16	0.00	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara	fer	3600	357	3	2	-1.4	0.0	0.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm	cls	90.0	7.7	5	1	1.5	0.0	0.0
16	0.00	Rara									Rara	cls	120.0	20.8	1	2	4.1	0.0	0.0
17	0.00	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara	fer	3600	1021	1	2	4.1	0.0	0.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm	cls	90.0	10.8	1	1	2.1	0.0	0.0
17	0.00	Rara									Rara	cls	120.0	20.1	1	2	3.9	0.0	0.0
18	0.00	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara	fer	3600	982	1	2	3.9	0.0	0.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm	cls	90.0	11.3	1	1	2.2	0.0	0.0
18	0.00	Rara									Rara	cls	120.0	18.9	1	2	3.7	0.0	0.0
19	0.00	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara	fer	3600	923	1	2	3.7	0.0	0.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm	cls	90.0	10.8	1	1	2.1	0.0	0.0
19	0.00	Rara									Rara	cls	120.0	17.8	4	2	-3.5	0.0	0.0
20	0.00	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara	fer	3600	870	4	2	-3.5	0.0	0.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm	cls	90.0	8.5	3	1	-1.6	0.0	0.0
21	0.00	Rara									Rara	cls	120.0	13.9	5	1	2.7	0.0	0.0
22	0.00	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara	fer	3600	678	5	1	2.7	0.0	0.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm	cls	90.0	9.8	5	1	1.9	0.0	0.0
22	0.00	Rara									Rara	cls	120.0	18.6	1	2	3.6	0.0	0.0
23	0.00	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara	fer	3600	910	1	2	3.6	0.0	0.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm	cls	90.0	11.2	1	1	2.2	0.0	0.0
23	0.00	Rara									Rara	cls	120.0	9.4	1	2	1.8	0.0	0.0
24	0.00	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara	fer	3600	456	1	2	1.8	0.0	0.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm	cls	90.0	5.8	1	1	1.1	0.0	0.0
24	0.00	Rara									Rara	cls	120.0	10.8	1	2	2.1	0.0	0.0
25	0.00	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara	fer	3600	523	1	2	2.1	0.0	0.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm	cls	90.0	5.9	1	1	1.1	0.0	0.0
25	0.00	Rara									Rara	cls	120.0	13.9	5	1	2.7	0.0	0.0
26	0.00	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara	fer	3600	678	5	1	2.7	0.0	0.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm	cls	90.0	10.0	5	1	1.9	0.0	0.0
26	0.00	Rara									Rara	cls	120.0	17.7	1	2	3.5	0.0	0.0
27	0.00	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara	fer	3600	865	1	2	3.5	0.0	0.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm	cls	90.0	10.7	1	1	2.1	0.0	0.0
4	0.00	Rara									Rara	cls	120.0	7.9	1	2	1.7	0.0	0.0
44	0.00	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara	fer	3600	305	1	2	1.7	0.0	0.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm	cls	90.0	7.7	5	1	-2.1	0.0	0.0
43	0.00	Rara									Rara	cls	120.0	9.3	3	2	-1.8	0.0	0.0
44	0.00	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara	fer	3600	449	3	2	-1.8	0.0	0.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm	cls	90.0	8.2	3	1	-1.6	0.0	0.0

44	0.00	Rara									Rara cls	120.0	9.1	3	2	-1.8	0.0	0.0
45	0.00	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara fer	3600	441	3	2	-1.8	0.0	0.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm cls	90.0	8.1	3	1	-1.6	0.0	0.0
3	0.00	Rara									Rara cls	120.0	10.8	1	2	2.3	0.0	0.0
43	0.00	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara fer	3600	416	1	2	2.3	0.0	0.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm cls	90.0	0.6	5	1	-0.2	0.0	0.0
5	0.00	Rara									Rara cls	120.0	11.6	1	2	2.5	0.0	0.0
45	0.00	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara fer	3600	447	1	2	2.5	0.0	0.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm cls	90.0	0.5	5	1	-0.1	0.0	0.0
46	0.00	Rara									Rara cls	120.0	7.7	1	1	-2.1	0.0	0.0
21	0.00	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara fer	3600	332	1	1	-2.1	0.0	0.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm cls	90.0	5.5	1	1	-1.5	0.0	0.0
47	0.00	Rara									Rara cls	120.0	22.9	5	2	-6.3	0.0	0.0
22	0.00	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara fer	3600	994	5	2	-6.3	0.0	0.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm cls	90.0	9.5	5	1	-2.6	0.0	0.0
48	0.00	Rara									Rara cls	120.0	12.2	5	2	-3.3	0.0	0.0
23	0.00	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara fer	3600	523	5	2	-3.3	0.0	0.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm cls	90.0	5.4	1	1	-1.5	0.0	0.0
49	0.00	Rara									Rara cls	120.0	16.4	5	2	-4.5	0.0	0.0
24	0.00	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara fer	3600	707	5	2	-4.5	0.0	0.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm cls	90.0	5.5	1	1	-1.5	0.0	0.0
50	0.00	Rara									Rara cls	120.0	12.2	5	2	-3.3	0.0	0.0
25	0.00	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara fer	3600	525	5	2	-3.3	0.0	0.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm cls	90.0	5.5	1	1	-1.5	0.0	0.0
51	0.00	Rara									Rara cls	120.0	22.9	5	2	-6.3	0.0	0.0
26	0.00	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara fer	3600	993	5	2	-6.3	0.0	0.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm cls	90.0	9.5	5	1	-2.6	0.0	0.0
52	0.00	Rara									Rara cls	120.0	10.1	1	2	-2.7	0.0	0.0
27	0.00	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara fer	3600	432	1	2	-2.7	0.0	0.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm cls	90.0	6.0	1	1	-1.6	0.0	0.0
46	0.00	Rara									Rara cls	120.0	5.5	3	2	-1.1	0.0	0.0
47	0.00	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara fer	3600	266	3	2	-1.1	0.0	0.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm cls	90.0	5.0	3	1	-1.0	0.0	0.0
47	0.00	Rara									Rara cls	120.0	7.3	5	2	1.4	0.0	0.0
48	0.00	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara fer	3600	353	5	2	1.4	0.0	0.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm cls	90.0	5.9	5	1	1.1	0.0	0.0
48	0.00	Rara									Rara cls	120.0	7.3	1	2	1.4	0.0	0.0
49	0.00	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara fer	3600	352	1	2	1.4	0.0	0.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm cls	90.0	5.8	1	1	1.1	0.0	0.0
49	0.00	Rara									Rara cls	120.0	8.0	5	2	1.6	0.0	0.0
50	0.00	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara fer	3600	389	5	2	1.6	0.0	0.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm cls	90.0	6.0	5	1	1.2	0.0	0.0
50	0.00	Rara									Rara cls	120.0	8.5	1	2	1.6	0.0	0.0
51	0.00	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara fer	3600	410	1	2	1.6	0.0	0.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm cls	90.0	6.1	1	1	1.2	0.0	0.0
51	0.00	Rara									Rara cls	120.0	7.2	3	2	-1.4	0.0	0.0
52	0.00	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara fer	3600	350	3	2	-1.4	0.0	0.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm cls	90.0	5.4	3	1	-1.0	0.0	0.0

STAMPA VERIFICHE S.L.E. - E.C. - PILASTRI

			F E S S U R A Z I O N E								F R E C C E			T E N S I O N I							
Filo N.ro	Quota (m)	Tra Nro	Combi Caric	Fessu. mm lim	cal	dist mm	Con cio	Com bin	Mf X (kN*10)*m	Mf Y	N kN*10	Frecce mm limite	calc	Com bin	Combinaz Carico	σ lim. -- daN/	σ cal. cmq --	Co nc	Comb	Mf X (kN*10)*m	Mf Y	N kN*10
1	0.00		Rara												Rara cls	150.0	56.5	5	2	1.5	1.6	-2.5
1	3.90		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0				Rara fer	3600	845	5	2	1.5	1.6	-2.5
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0				Perm cls	112.0	10.1	5	1	0.3	0.3	-2.3
2	0.00		Rara												Rara cls	150.0	78.7	5	2	3.1	1.5	-1.5
2	3.90		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0				Rara fer	3600	1276	5	2	3.1	1.5	-1.5
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0				Perm cls	112.0	5.8	5	1	-0.1	0.2	-1.6
3	0.00		Rara												Rara cls	150.0	75.2	5	2	2.6	1.7	-3.1
3	3.90		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0				Rara fer	3600	1115	5	2	2.6	1.7	-3.1
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0				Perm cls	112.0	11.0	5	1	0.1	0.4	-2.7
4	0.00		Rara												Rara cls	150.0	64.7	5	2	2.2	1.5	-4.5
4	3.90		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0				Rara fer	3600	865	5	2	2.2	1.5	-4.5
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0				Perm cls	112.0	16.0	5	1	-0.8	0.3	-3.7
5	0.00		Rara												Rara cls	150.0	70.7	5	2	2.7	1.4	-3.1
5	3.90		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0				Rara fer	3600	1043	5	2	2.7	1.4	-3.1
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0				Perm cls	112.0	4.8	5	1	0.2	0.2	-2.7
6	0.00		Rara												Rara cls	150.0	80.7	5	2	3.1	1.6	-1.5
6	3.90		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0				Rara fer	3600	1305	5	2	3.1	1.6	-1.5
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0				Perm cls	112.0	10.1	5	1	-0.1	0.4	-1.6
7	0.00		Rara												Rara cls	150.0	53.8	5	2	1.6	1.4	-2.5
7	3.90		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0				Rara fer	3600	778	5	2	1.6	1.4	-2.5
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0				Perm cls	112.0	8.5	5	1	0.3	0.3	-2.3
8	0.00		Rara												Rara cls	150.0	87.8	5	2	1.4	3.2	-3.4
8	4.15		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0				Rara fer	3600	1559	5	2	1.4	3.2	-3.4
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0				Perm cls	112.0	14.5	5	1	0.1	0.6	-3.0
9	0.00		Rara												Rara cls	150.0	103.0	5	2	2.5	3.3	-8.3
9	4.15		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0				Rara fer	3600	1516	5	2	2.5	3.3	-8.3
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0				Perm cls	112.0	17.1	5	1	-0.4	0.6	-6.4
10	0.00		Rara												Rara cls	150.0	107.3	5	2	3.1	3.0	-4.3
10	4.15		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0				Rara fer	3600	1711	5	2	3.1	3.0	-4.3

		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm cls	112.0	16.8	5	1	0.5	0.5	-3.5
11	0.00	Rara									Rara cls	150.0	110.3	5	2	3.0	3.2	-4.3
11	4.15	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara fer	3600	1786	5	2	3.0	3.2	-4.3
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm cls	112.0	22.1	5	1	0.5	0.7	-3.5
12	0.00	Rara									Rara cls	150.0	101.9	5	2	2.5	3.2	-8.3
12	4.15	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara fer	3600	1487	5	2	2.5	3.2	-8.3
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm cls	112.0	18.0	5	1	-0.4	0.7	-6.4
13	0.00	Rara									Rara cls	150.0	85.2	5	2	1.4	3.1	-3.4
13	4.15	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara fer	3600	1487	5	2	1.4	3.1	-3.4
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm cls	112.0	14.2	5	1	0.1	0.6	-3.0
14	0.00	Rara									Rara cls	150.0	100.4	5	2	1.9	4.0	-4.1
14	4.15	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara fer	3600	1653	5	2	1.9	4.0	-4.1
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm cls	112.0	25.8	5	1	0.6	0.9	-3.5
16	0.00	Rara									Rara cls	150.0	118.7	5	2	3.7	3.7	-5.4
16	4.15	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara fer	3600	1803	5	2	3.7	3.7	-5.4
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm cls	112.0	25.8	5	1	0.9	0.7	-4.3
17	0.00	Rara									Rara cls	150.0	143.3	5	2	5.8	3.8	-7.0
17	4.15	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara fer	3600	2185	5	2	5.8	3.8	-7.0
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm cls	112.0	40.1	5	1	2.0	0.8	-5.6
18	0.00	Rara									Rara cls	150.0	118.3	5	2	3.6	3.8	-5.3
18	4.15	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara fer	3600	1804	5	2	3.6	3.8	-5.3
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm cls	112.0	27.5	5	1	0.9	0.8	-4.3
20	0.00	Rara									Rara cls	150.0	98.8	5	2	1.9	3.4	-4.1
20	4.15	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara fer	3600	1693	5	2	1.9	3.4	-4.1
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm cls	112.0	19.3	5	1	0.6	0.6	-3.5
21	0.00	Rara									Rara cls	150.0	54.5	5	2	1.7	1.3	-2.9
21	3.90	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara fer	3600	760	5	2	1.7	1.3	-2.9
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm cls	112.0	12.6	5	1	0.4	0.4	-2.5
22	0.00	Rara									Rara cls	150.0	104.6	5	2	7.2	1.2	-5.1
22	3.90	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara fer	3600	1784	5	2	7.2	1.2	-5.1
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm cls	112.0	39.5	5	1	3.0	0.2	-4.1
23	0.00	Rara									Rara cls	150.0	77.9	5	2	3.7	1.2	-3.6
23	3.90	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara fer	3600	1226	5	2	3.7	1.2	-3.6
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm cls	112.0	19.8	5	1	1.1	0.3	-3.0
24	0.00	Rara									Rara cls	150.0	83.8	5	2	5.1	1.1	-3.3
24	3.90	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara fer	3600	1348	5	2	5.1	1.1	-3.3
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm cls	112.0	22.4	5	1	1.5	0.2	-2.7
25	0.00	Rara									Rara cls	150.0	75.0	5	2	3.7	1.1	-3.6
25	3.90	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara fer	3600	1190	5	2	3.7	1.1	-3.6
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm cls	112.0	18.1	5	1	1.1	0.2	-3.0
26	0.00	Rara									Rara cls	150.0	104.3	5	2	7.2	1.2	-5.1
26	3.90	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara fer	3600	1785	5	2	7.2	1.2	-5.1
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm cls	112.0	39.5	5	1	3.0	0.2	-4.1
27	0.00	Rara									Rara cls	150.0	45.1	5	2	1.6	1.0	-2.9
27	3.90	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0	Rara fer	3600	599	5	2	1.6	1.0	-2.9
		Perm	0.3	0.000	0	0	0	0.0	0.0	0.0	Perm cls	112.0	6.0	5	1	0.4	0.1	-2.5

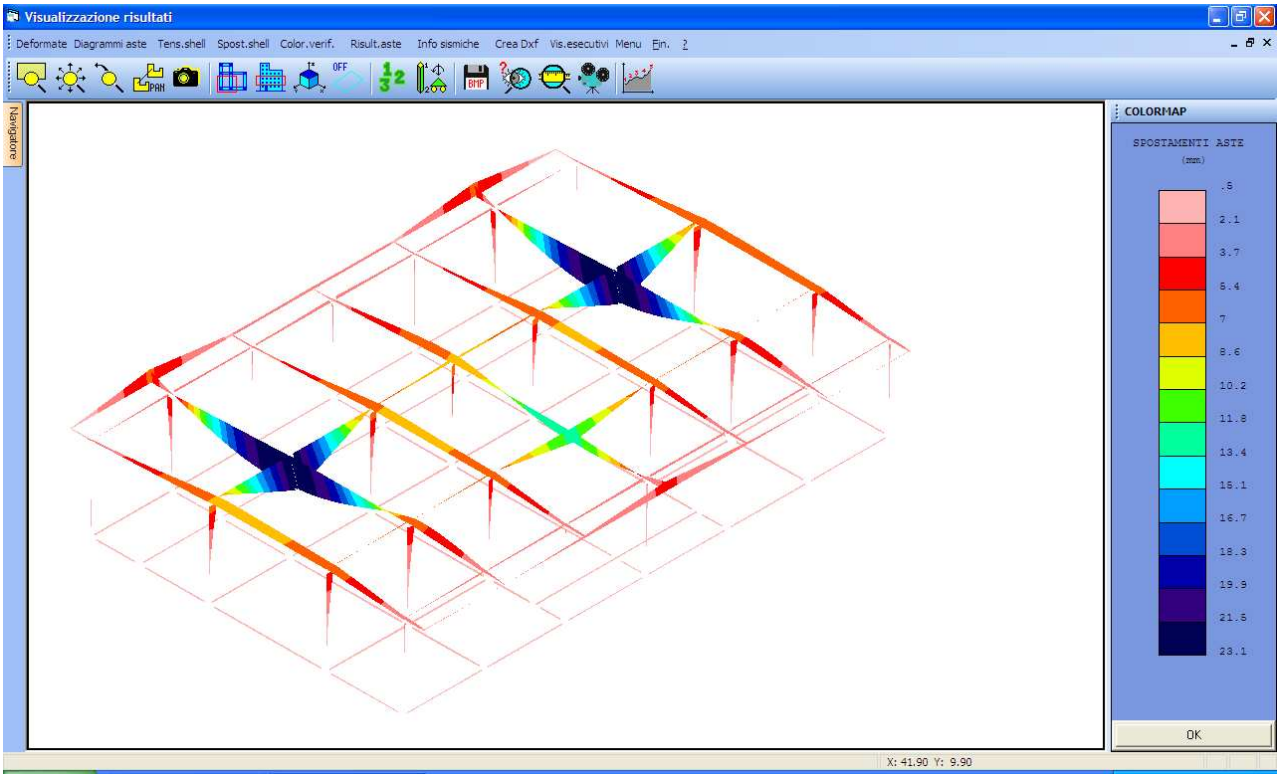
VERIFICHE DI DUTTILITA' ASTE IN C.A. - PILASTRI

Filo Iniz	Quota Iniz.	Tr at	Sez Bas	SOVRARESIST.			SOLLECITAZIONI SISMA X			SOLLECITAZIONI SISMA Y			MOM. RESISTENTI		TAGLIO PROG.		TAGLIO RESISTENTE		
Fin. InFi	Final In Fi	to at	Alt B/H	Co nc	αx	αy	αx*Mx kN*10*m	My kN*10*m	N kN*10	Mx kN*10*m	αy*My kN*10*m	N kN*10	Mrux kN*10*m	Mruy kN*10*m	Vx kN*10	Vy kN*10	V Rxd kN*10	V Ryd kN*10	staffe Pas lun
1 3.90		2	i	1.0	1.0		0.02	0.04	-1.03	0.02	0.13	-0.93	16.81	-9.40	5.97	10.64	27.16	28.64	12 50
1 0.00		30	c												5.97	10.64	18.45	21.62	19 170
gRd=1.1		50	f	1.0	1.0		1.28	0.63	-2.20	0.67	1.05	-2.25	-16.97	-9.55	5.97	10.64	27.16	28.64	12 130
2 3.90		2	i	1.0	1.0		0.01	0.02	-0.46	0.01	0.11	-0.33	16.73	-9.35	5.95	10.59	27.05	28.53	12 50
2 0.00		30	c												5.95	10.59	18.45	21.62	19 170
gRd=1.1		50	f	1.0	1.0		-1.93	0.06	-1.77	-0.66	0.97	-1.64	16.97	-9.50	5.95	10.59	27.05	28.53	12 130
3 3.90		2	i	1.0	1.0		0.03	0.10	-1.47	0.03	0.15	-1.43	16.89	-9.47	6.01	10.69	27.22	28.71	12 50
3 0.00		30	c												6.01	10.69	18.45	21.62	19 171
gRd=1.1		50	f	1.0	1.0		1.44	0.27	-2.63	-0.34	1.22	-2.74	-17.04	-9.61	6.01	10.69	27.22	28.71	12 129
4 3.90		2	i	1.0	1.0		0.05	0.11	-2.46	0.05	0.16	-2.44	17.05	-9.58	6.07	10.79	27.37	28.87	12 50
4 0.00		30	c												6.07	10.79	18.45	21.62	19 170
gRd=1.1		50	f	1.0	1.0		-2.28	0.59	-3.70	-0.44	1.09	-3.75	17.24	-9.72	6.07	10.79	27.37	28.87	12 130
5 3.90		2	i	1.0	1.0		0.03	-0.03	-1.47	0.03	0.12	-1.36	16.89	-9.45	6.01	10.69	27.22	28.70	12 50
5 0.00		30	c												6.01	10.69	18.45	21.62	19 171
gRd=1.1		50	f	1.0	1.0		1.47	0.45	-2.63	0.61	0.94	-2.68	-17.04	-9.59	6.01	10.69	27.22	28.70	12 129
6 3.90		2	i	1.0	1.0		0.01	0.07	-0.46	0.01	0.12	-0.34	16.73	-9.36	5.95	10.59	27.06	28.53	12 50
6 0.00		30	c												5.95	10.59	18.45	21.62	19 170
gRd=1.1		50	f	1.0	1.0		-1.93	0.63	-1.77	0.44	1.14	-1.54	16.97	-9.47	5.95	10.59	27.06	28.53	12 130
7 3.90		2	i	1.0	1.0		0.02	0.07	-1.03	0.02	0.11	-0.98	16.80	-9.42	5.97	10.64	27.16	28.64	12 50
7 0.00		30	c												5.97	10.64	18.45	21.62	19 170
gRd=1.1		50	f	1.0	1.0		1.31	-0.05	-2.20	-0.13	0.98	-2.29	-16.97	-9.56	5.97	10.64	27.16	28.64	12 130
8 4.15		2	i	1.0	1.0		0.03	0.06	-1.58	0.03	0.21	-1.56	16.90	-9.48	5.61	9.98	27.24	28.73	12 50
8 0.00		30	c												5.61	9.98	18.45	21.62	19 187

gRd=1.1	50	f	1.0	1.0	1.22	1.05	-2.94	-0.24	1.92	-2.96	-17.11	-9.63	5.61	9.98	27.24	28.73	12 138
9 4.15	2	i	1.0	1.0	0.11	0.20	-5.25	0.10	0.27	-5.06	17.59	-9.88	5.87	10.37	27.75	29.26	12 50
9 0.00	30	c											5.87	10.37	18.45	21.62	19 188
gRd=1.1	50	f	1.0	1.0	-2.32	1.14	-6.10	0.21	2.05	-6.46	17.57	-10.03	5.87	10.37	27.75	29.26	12 137
10 4.15	2	i	1.0	1.0	0.04	0.06	-2.18	0.04	0.21	-2.10	17.01	-9.53	5.65	10.05	27.32	28.81	12 50
10 0.00	30	c											5.65	10.05	18.45	21.62	19 187
gRd=1.1	50	f	1.0	1.0	1.83	0.97	-3.48	0.96	1.82	-3.51	-17.20	-9.69	5.65	10.05	27.32	28.81	12 138
11 4.15	2	i	1.0	1.0	0.04	0.15	-2.19	0.04	0.23	-2.16	17.01	-9.55	5.65	10.05	27.33	28.82	12 50
11 0.00	30	c											5.65	10.05	18.45	21.62	19 187
gRd=1.1	50	f	1.0	1.0	1.82	0.40	-3.49	0.15	2.04	-3.57	-17.20	-9.70	5.65	10.05	27.33	28.82	12 138
12 4.15	2	i	1.0	1.0	0.11	0.13	-5.25	0.10	0.28	-5.05	17.59	-9.87	5.87	10.37	27.75	29.26	12 50
12 0.00	30	c											5.87	10.37	18.45	21.62	19 188
gRd=1.1	50	f	1.0	1.0	-2.32	0.41	-6.10	0.24	2.09	-6.46	17.57	-10.03	5.87	10.37	27.75	29.26	12 137
13 4.15	2	i	1.0	1.0	0.03	0.12	-1.59	0.03	0.20	-1.56	16.90	-9.48	5.61	9.98	27.25	28.74	12 50
13 0.00	30	c											5.61	9.98	18.45	21.62	19 187
gRd=1.1	50	f	1.0	1.0	1.23	0.33	-2.94	0.40	1.91	-2.97	-17.11	-9.63	5.61	9.98	27.25	28.74	12 138
14 4.15	2	i	1.0	1.0	0.04	0.35	-2.06	0.04	0.35	-2.06	19.01	-11.31	6.68	11.21	27.32	28.81	12 50
14 0.00	30	c											6.68	11.21	18.45	21.62	19 188
gRd=1.1	50	f	1.0	1.0	1.76	0.24	-3.46	0.91	3.46	-3.46	-19.20	-11.47	6.68	11.21	27.32	28.81	12 137
16 4.15	2	i	1.0	1.0	0.06	0.19	-2.93	0.06	0.35	-2.92	19.13	-11.41	6.74	11.28	27.44	28.94	12 50
16 0.00	30	c											6.74	11.28	18.45	21.62	19 188
gRd=1.1	50	f	1.0	1.0	2.30	1.57	-4.33	0.66	3.39	-4.31	-19.31	-11.56	6.74	11.28	27.44	28.94	12 137
17 4.15	2	i	1.0	1.0	0.08	0.22	-4.22	0.08	0.38	-4.17	19.31	-11.55	6.83	11.38	27.61	29.12	12 50
17 0.00	30	c											6.83	11.38	18.45	21.62	19 188
gRd=1.1	50	f	1.0	1.0	3.65	1.65	-5.62	2.55	3.48	-5.57	-19.49	-11.70	6.83	11.38	27.61	29.12	12 137
18 4.15	2	i	1.0	1.0	0.06	0.06	-2.92	0.06	0.36	-2.90	19.13	-11.40	6.74	11.28	27.43	28.93	12 50
18 0.00	30	c											6.74	11.28	18.45	21.62	19 188
gRd=1.1	50	f	1.0	1.0	2.28	0.11	-4.33	1.36	3.47	-4.30	-19.31	-11.56	6.74	11.28	27.43	28.93	12 137
20 4.15	2	i	1.0	1.0	0.04	-0.21	-2.06	0.04	0.30	-2.03	16.97	-9.53	5.64	10.03	27.31	28.80	12 50
20 0.00	30	c											5.64	10.03	18.45	21.62	19 188
gRd=1.1	50	f	1.0	1.0	1.76	1.36	-3.46	0.37	3.10	-3.44	-17.21	-9.68	5.64	10.03	27.31	28.80	12 137
21 3.90	2	i	1.0	1.0	0.03	0.03	-1.26	0.02	0.20	-1.18	16.85	-9.43	5.99	10.66	27.21	28.69	12 50
21 0.00	30	c											5.99	10.66	18.45	21.62	19 170
gRd=1.1	50	f	1.0	1.0	1.49	-0.15	-2.57	-0.06	1.76	-2.49	-17.07	-9.58	5.99	10.66	27.21	28.69	12 130
22 3.90	2	i	1.0	1.0	0.06	0.13	-2.87	0.06	0.23	-2.79	20.51	-11.33	7.18	12.96	27.43	28.92	12 50
22 0.00	30	c											7.18	12.96	27.43	28.92	19 170
gRd=1.1	50	f	1.0	1.0	5.01	0.77	-4.18	3.69	1.76	-4.10	-20.73	-11.48	7.18	12.96	27.43	28.92	12 130
23 3.90	2	i	1.0	1.0	0.04	-0.05	-1.78	0.03	0.21	-1.74	16.94	-9.50	6.02	10.72	27.28	28.77	12 50
23 0.00	30	c											6.02	10.72	18.45	21.62	19 170
gRd=1.1	50	f	1.0	1.0	2.40	0.78	-3.09	1.52	1.78	-3.05	-17.16	-9.64	6.02	10.72	27.28	28.77	12 130
24 3.90	2	i	1.0	1.0	0.03	0.10	-1.48	0.03	0.20	-1.45	20.25	-11.18	7.08	12.80	27.24	28.72	12 50
24 0.00	30	c											7.08	12.80	27.24	28.72	19 171
gRd=1.1	50	f	1.0	1.0	3.05	0.72	-2.79	1.99	1.73	-2.76	-20.47	-11.32	7.08	12.80	27.24	28.72	12 129
25 3.90	2	i	1.0	1.0	0.04	0.10	-1.78	0.03	0.20	-1.71	16.94	-9.49	6.02	10.72	27.28	28.77	12 50
25 0.00	30	c											6.02	10.72	18.45	21.62	19 170
gRd=1.1	50	f	1.0	1.0	2.39	-0.32	-3.09	0.74	1.71	-3.02	-17.16	-9.63	6.02	10.72	27.28	28.77	12 130
26 3.90	2	i	1.0	1.0	0.06	-0.08	-2.87	0.06	0.23	-2.78	20.51	-11.33	7.18	12.96	27.43	28.92	12 50
26 0.00	30	c											7.18	12.96	27.43	28.92	19 170
gRd=1.1	50	f	1.0	1.0	5.02	-0.30	-4.18	2.53	1.76	-4.03	-20.73	-11.45	7.18	12.96	27.43	28.92	12 130
27 3.90	2	i	1.0	1.0	0.03	0.08	-1.26	0.02	0.17	-1.22	16.85	-9.45	5.99	10.66	27.21	28.69	12 50
27 0.00	30	c											5.99	10.66	18.45	21.62	19 170
gRd=1.1	50	f	1.0	1.0	1.46	0.60	-2.57	0.84	1.50	-2.54	-17.07	-9.59	5.99	10.66	27.21	28.69	12 130

PRINCIPALI RISULTATI

DEFORMATA COMBO 1



MOMENTI FLETTENTI - INVILUPPO

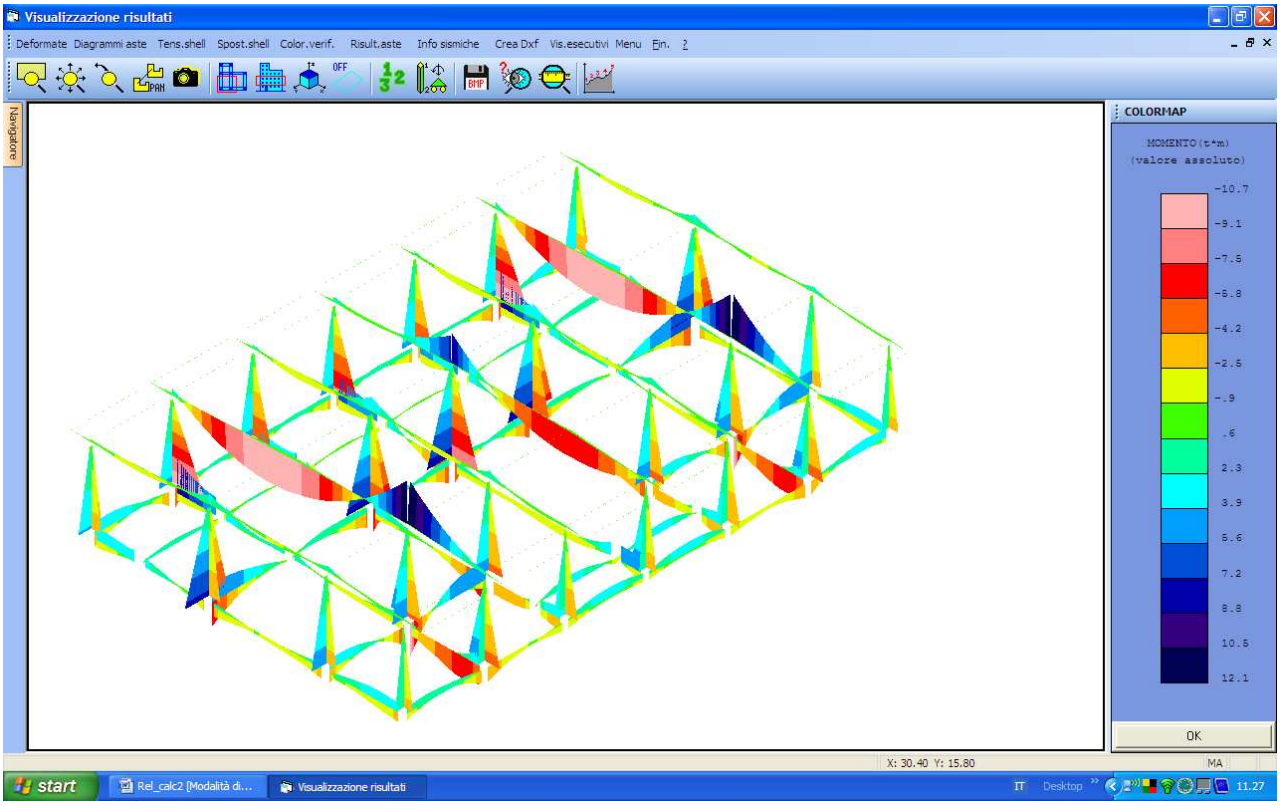


DIAGRAMMA DEL TAGLIO-INVILUPPO

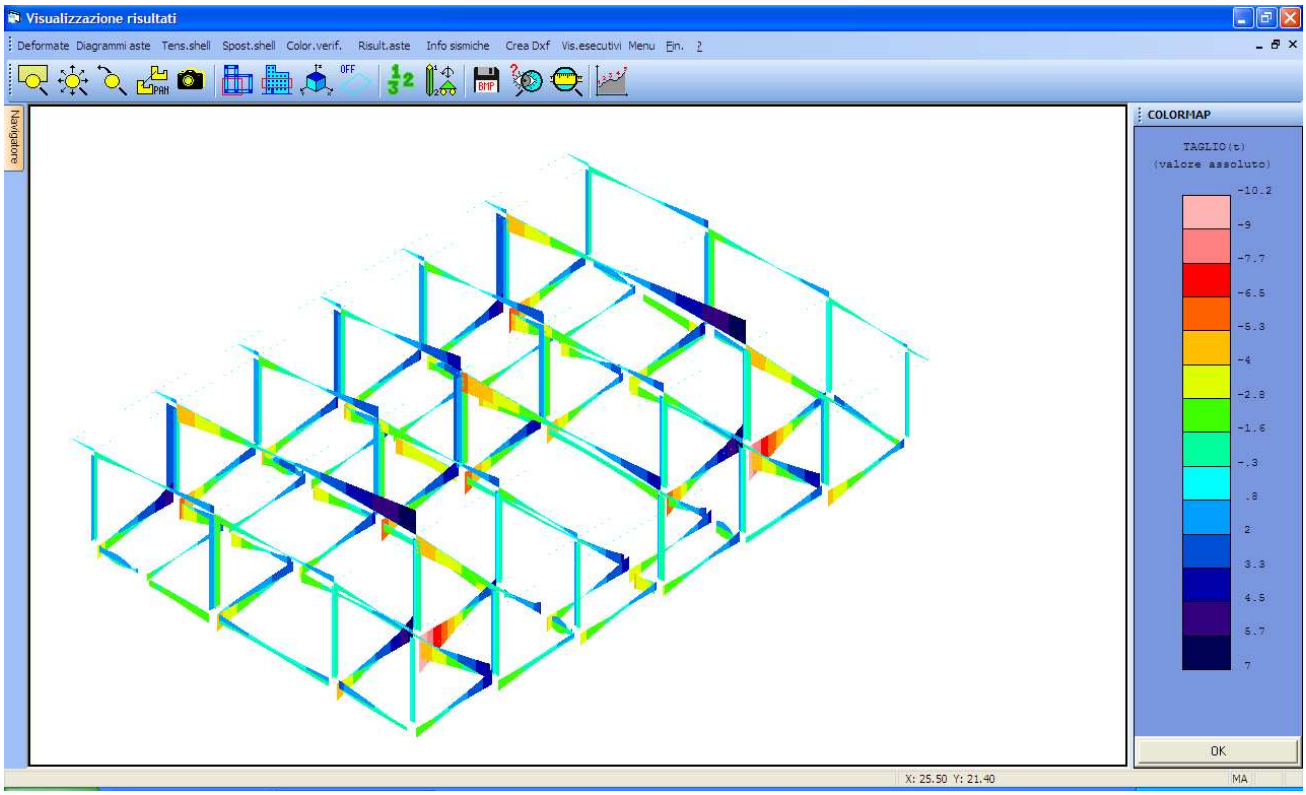
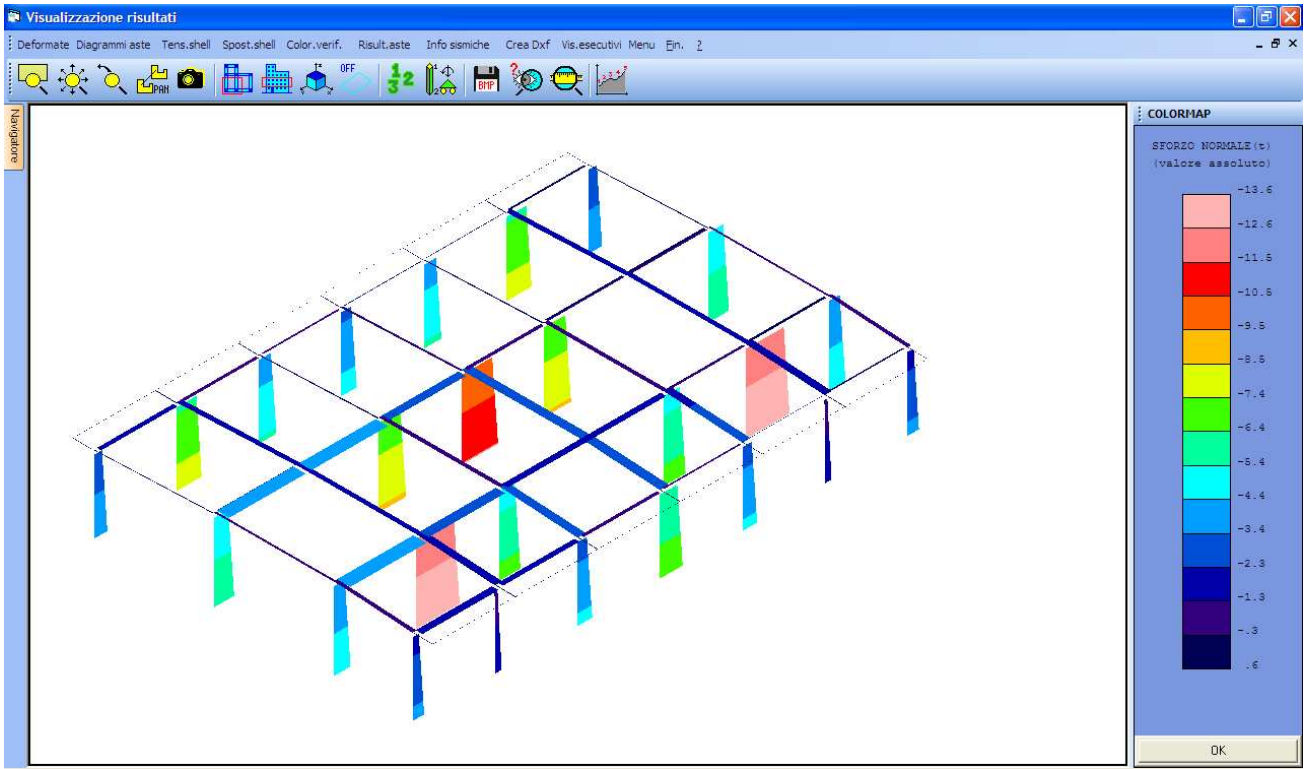
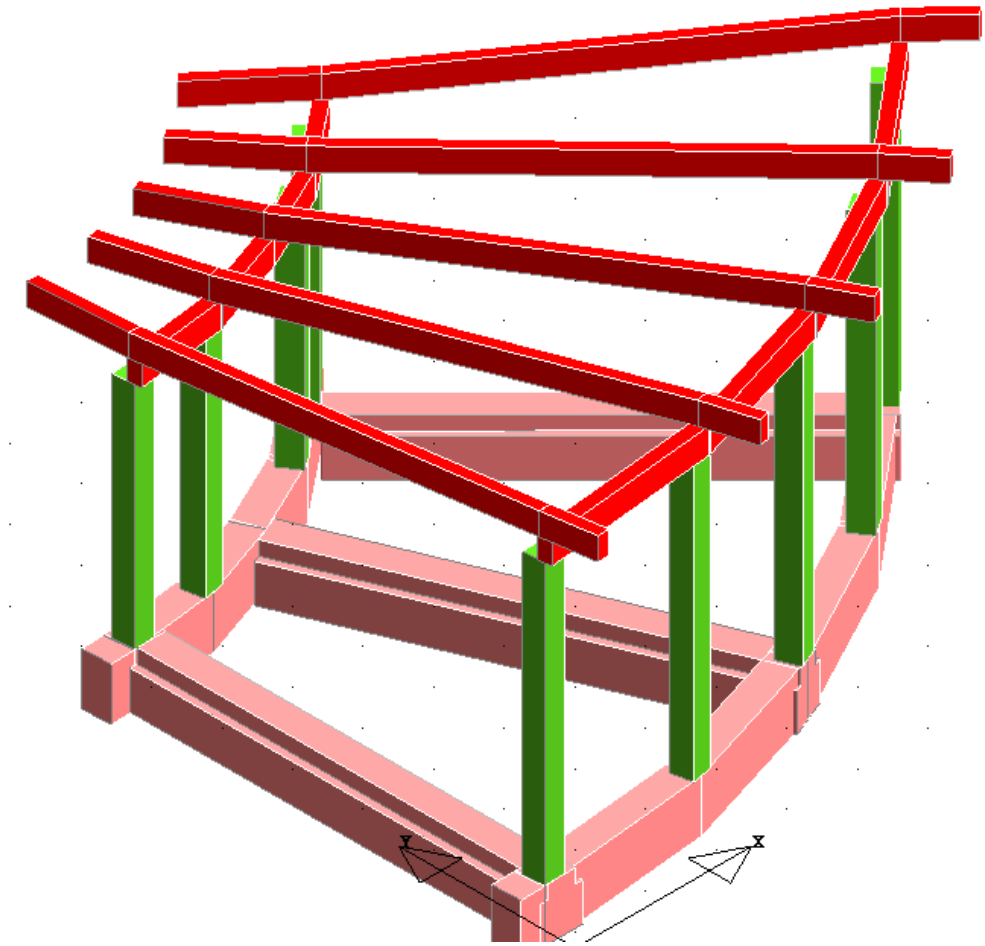


DIAGRAMMA DELLO SFORZO NORMALE - INVILUPPO





ARCHIVIO SEZIONI

PIATTI UNI				
Sez. N.ro	Descrizione	b mm	s mm	Mat. N.ro
1935	Leg16x32	160	320	101

PIATTI UNI				
Sez. N.ro	Descrizione	b mm	s mm	Mat. N.ro
1936	Leg18x36	180	360	101

ARCHIVIO SEZIONI

CARATTERISTICHE STATICHE DEI PROFILI														
Sez. N.ro	U m2/m	P daN/m	A cmq	Ax cmq	Ay cmq	Jx cm4	Jy cm4	Jt cm4	Wx cm3	Wy cm3	Wt cm3	ix cm	iy cm	sver 1/cm
1935	0.96	17.9	512.00	341.33	341.33	43690.7	10922.7	43690.7	2730.67	1365.33	1365.33	9.24	4.62	0.00
1936	1.08	22.7	648.00	432.00	432.00	69984.0	17496.0	69984.0	3888.00	1944.00	1944.00	10.39	5.20	0.00

ARCHIVIO SEZIONI IN ACCIAIO

DATI PER VERIFICHE EUROCODICE							
Sez. N.ro	Descrizione	Wx Plastico cm3	Wy Plastico cm3	Wt Plastico cm3	Ax Plastico cm2	Ay Plastico cm2	Iw cm6
1935	Leg16x32	4096.00	2048.00	8192.00	512.00	512.00	0.0
1936	Leg18x36	5832.00	2916.00	11664.00	648.00	648.00	0.0

ARCHIVIO SEZIONI IN ACCIAIO

CARATTERISTICHE MATERIALE							
Mat. N.ro	E daN/cmq	G daN/cmq	lambda max	Tipo Acciaio	Verifica verifica	Gamma dN/cmc	Lung/ SpLim
1	2100000	850000	200.0	S235	Completa	7850	250
2	2100000	850000	200.0	S235	Completa	7850	250
3	2100000	850000	200.0	S235	Completa	7850	250
4	2100000	850000	200.0	S235	Completa	7850	250
5	2100000	850000	200.0	S235	Completa	7850	250
6	125000	10000	200.0	S235	Completa	800	250
7	120000	5000	200.0	S235	Completa	500	250

ARCHIVIO SEZIONI IN ACCIAIO

CARATTERISTICHE DEL MATERIALE LEGNO LUNGO LA DIREZIONE DELL'ASTA												
		R E S I S T E N Z E				MODULI ELASTICI						
Mat. N.ro	Classificaz. Legno	Fless fmk N/mmq	Traz. ft0k N/mmq	Compr fc0k N/mmq	Tagl. fvk N/mmq	Medio E0 kN/mmq	Caratt E0,05 kN/mmq	Taglio G kN/mmq	Gamma kg/mc	Classe di Serviz	Coeff. Kdef x SLE	Rapp. Lung/ SpLim.
1		24.0	14.0	21.0	2.2	11.6	9.4	0.59	350	1	0.60	300

CRITERI DI PROGETTO

IDEN	ASTE ELEVAZIONE													
Crit N.ro	Def Tag	%Scorr Staffe	P max. Staffe	P min. Staffe	τMtmin dN/cmq	Ferri parete	Elim cm	Tipo verif.	Fl. rett	DenX pos.	DenX neg.	DenY pos.	DenY neg.	%Mag car.
1	si	100	20	5	3	no	200	Mx	1	12	0	0	0	0

IDEN	ASTE FONDAZIONE							
Crit N.ro	Min T/σ	Verif. Alette	%Scorr Staffe	P max. Staffe	P min. Staffe	τMtmin dN/cmq	Ferri parete
2	si	no	100	20	10	3	no

IDEN	PILASTRI			
Crit N.ro	Def Tag	τMtmin dN/cmq	Tipo verif.
3	si	3.0	Dev.

IDEN	PILASTRI		
Crit N.ro	Def Tag	τMtmin dN/cmq	Tipo verif.

IDENTIF.		%	CARATTERISTICHE DEL MATERIALE									DURABILITA'			CARATTER.COSTRUTTIVE					FLAG	
Crit N.ro	Elem.	Rig Tor	Rck dN/cmq	Classe Acciai	Mod. E dN/cmq	Pois son	Sgmc	tauc0	tauc1	Sgmf	om og	Gamma dN/mc	Tipo Ambiente	Tipo Armatura	Toll. Copr.	Copr staf	Copr ferr	Fi min	Fi st.	Lun sta	Li n.	Ap pe
							----- daN/cmq -----															
1	ELEV.	30	300	FeB44k	312201	0.20						2500	Ordinario	SENSIBILE	0.00	2.0	3.6	16	8	80	1	0
2	FOND.	10	250	B450C	299619	0.20						2500	Ordinario	POCO SENS.	0.50	2.0	3.6	16	8	80	1	
3	PILAS	10	300	B450C	314758	0.20						2500	Ordinario	POCO SENS.	0.50	2.0	3.6	16	8	70	1	
101	ACCIAIO																				1	

C R I T E R I P E R I L C A L C O L O A G L I S T A T I L I M I T E U L T I M I E D I E S E R C I Z I O																								
Cri Nro	Tipo Elem	fck	fcd	rcd	fyk	fyd	Ey	ec0	ecu	eyu	At/ Ac	Mt/ Mtu	Wra mm	Wfr mm	Wpe mm	σcRar	σcPer	σfRar	Spo Rar	Spo Fre	Spo Per	Coe Vis	euk
		---------- daN/cmq ----------														-- daN/cmq ---							
1	ELEV.	250.0	132.0	132.0	4400	3826	2100000	0.20	0.35	1.00	50	10	0.3	0.2	150.0	112.0	2660				2.0	0.04
2	FOND.	200.0	106.0	106.0	4500	3913	2100000	0.20	0.35	1.00	50	10	0.4	0.3	120.0	90.0	3600				2.0	0.08
3	PILAS	250.0	132.0	132.0	4500	3913	2100000	0.20	0.35	1.00	50	10	0.4	0.3	150.0	112.0	3600				2.0	0.08

CRITERI DI PROGETTO GEOTECNICI - FONDAZIONI SUPERFICIALI

IDEN	COSTANTE WINKLER	
Crit N.ro	KwVert daN/cmc	KwOriz. daN/cmc
1	15.00	0.00

IDEN	COSTANTE WINKLER	
Crit N.ro	KwVert daN/cmc	KwOriz. daN/cmc
2	5.00	0.00

IDEN	COSTANTE WINKLER	
Crit N.ro	KwVert daN/cmc	KwOriz. daN/cmc

DATI GENERALI DI STRUTTURA

P A R A M E T R I S I S M I C I			
Vita Nominale (Anni)	50	Classe d' Uso	TERZA
Longitudine Est (Grd)	11.05396	Latitudine Nord (Grd)	43.88499
Categoria Suolo	B	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
PARAMETRI SPETTRO ELASTICO - SISMA S.L.O.			
Probabilita' Pvr	0.81	Periodo di Ritorno Anni	45.00
Accelerazione Ag/g	0.06	Periodo T'c (sec.)	0.26
Fo	2.54	Fv	0.82
Fattore Stratigrafia 'S'	1.20	Periodo TB (sec.)	0.13
Periodo TC (sec.)	0.38	Periodo TD (sec.)	1.83

DATI GENERALI DI STRUTTURA

P A R A M E T R I S I S M I C I			
PARAMETRI SPETTRO ELASTICO - SISMA S.L.D.			
Probabilita' Pvr	0.63	Periodo di Ritorno Anni	75.00
Accelerazione Ag/g	0.07	Periodo T'c (sec.)	0.27
Fo	2.54	Fv	0.91
Fattore Stratigrafia 'S'	1.20	Periodo TB (sec.)	0.13
Periodo TC (sec.)	0.39	Periodo TD (sec.)	1.88
PARAMETRI SPETTRO ELASTICO - SISMA S.L.V.			
Probabilita' Pvr	0.10	Periodo di Ritorno Anni	712.00
Accelerazione Ag/g	0.16	Periodo T'c (sec.)	0.31
Fo	2.40	Fv	1.31
Fattore Stratigrafia 'S'	1.20	Periodo TB (sec.)	0.14
Periodo TC (sec.)	0.43	Periodo TD (sec.)	2.25
PARAMETRI SPETTRO ELASTICO - SISMA S.L.C.			
Probabilita' Pvr	0.05	Periodo di Ritorno Anni	1462.00
Accelerazione Ag/g	0.20	Periodo T'c (sec.)	0.31
Fo	2.39	Fv	1.46
Fattore Stratigrafia 'S'	1.20	Periodo TB (sec.)	0.15
Periodo TC (sec.)	0.44	Periodo TD (sec.)	2.42
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.			
Classe Duttilita'	BASSA	Sotto-Sistema Strutturale	Pendolo
AlfaU/Alfa1	1.10	Fattore riduttivo KW	1.00
Fattore di struttura 'q'	1.20		
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.			
Classe Duttilita'	BASSA	Sotto-Sistema Strutturale	Pendolo
AlfaU/Alfa1	1.10	Fattore riduttivo KW	1.00
Fattore di struttura 'q'	1.20		
COEFFICIENTI DI SICUREZZA PARZIALI DEI MATERIALI			
Acciaio per CLS armato	1.15	Calcestruzzo CLS armato	1.60
Muratura azioni sismiche	3.00	Muratura azioni statiche	2.00
Livello conoscenza	ADEGUATO		

D A T I D I C A L C O L O A G L I S T A T I L I M I T E			
T R A V I D I E L E V A Z I O N E			
Res. caratt. cls fck daN/cmq	250.0	Rap. Mom.T / Mom.T.Ult. (%)	10
Res. calcolo cls fcd daN/cmq	132.0	Ampiezza fess. comb rara mm	
Res. fless. cls rcd daN/cmq	132.0	Ampiezza fess. comb freq mm	0.3
Res. caratt. fer fyk daN/cmq	4400	Ampiezza fess. comb perm mm	0.2
Res. calcolo fer fyd daN/cmq	3826	Sigma mass. cls rara daN/cmq	150.0
Mod. elastico ferro daN/cmq	2100000	Sigma mass. cls perm daN/cmq	112.0
Deform. lim. elast. cls ec0	0.20	Sigma mass. fer rara daN/cmq	2660
Deformazione ultima cls ecu	0.35	lung.elem. / spos.lim rara	
Deformazione ultima fer eyu	1.00	lung.elem. / spos.lim perm.	
Rap. incr. arm.tes/comp (%)	50	Coefficiente di viscosita'	2.0
T R A V I D I F O N D A Z I O N E			
Res. caratt. cls fck daN/cmq	200.0	Rap. Mom.T / Mom.T.Ult. (%)	10
Res. calcolo cls fcd daN/cmq	106.0	Ampiezza fess. comb rara mm	
Res. fless. cls rcd daN/cmq	106.0	Ampiezza fess. comb freq mm	0.4
Res. caratt. fer fyk daN/cmq	4500	Ampiezza fess. comb perm mm	0.3
Res. calcolo fer fyd daN/cmq	3913	Sigma mass. cls rara daN/cmq	120.0
Mod. elastico ferro daN/cmq	2100000	Sigma mass. cls perm daN/cmq	90.0
Deform. lim. elast. cls ec0	0.20	Sigma mass. fer rara daN/cmq	3600
Deformazione ultima cls ecu	0.35	lung.elem. / spos.lim rara	
Deformazione ultima fer eyu	1.00	lung.elem. / spos.lim perm.	
Rap. incr. arm.tes/comp (%)	50	Coefficiente di viscosita'	2.0

D A T I D I C A L C O L O A G L I S T A T I L I M I T E

P I L A S T R I			
Res. caratt. cls fck daN/cmq	250.0	Rap. Mom.T / Mom.T.Ult. (%)	10
Res. calcolo cls fcd daN/cmq	132.0	Ampiezza fess. comb rara mm	
Res. fless. cls rcd daN/cmq	132.0	Ampiezza fess. comb freq mm	0.4
Res. caratt. fer fyk daN/cmq	4500	Ampiezza fess. comb perm mm	0.3
Res. calcolo fer fyd daN/cmq	3913	Sigma mass. cls rara daN/cmq	150.0
Mod. elastico ferro daN/cmq	2100000	Sigma mass. cls perm daN/cmq	112.0
Deform. lim. elast. cls ec0	0.20	Sigma mass. fer rara daN/cmq	3600
Deformazione ultima cls ecu	0.35	lung.elem. / spos.lim rara	
Deformazione ultima fer eyu	1.00	lung.elem. / spos.lim perm.	
Rap. incr. arm.tes/comp (%)	50	Coefficiente di viscosita'	2.0

S E T T I			
Res. caratt. cls fck daN/cmq	200.0		
Res. calcolo cls fcd daN/cmq	106.0	Ampiezza fess. comb rara mm	
Res. fless. cls rcd daN/cmq	106.0	Ampiezza fess. comb freq mm	0.3
Res. caratt. fer fyk daN/cmq	4400	Ampiezza fess. comb perm mm	0.2
Res. calcolo fer fyd daN/cmq	3826	Sigma mass. cls rara daN/cmq	120.0
Mod. elastico ferro daN/cmq	2100000	Sigma mass. cls perm daN/cmq	90.0
Deform. lim. elast. cls ec0	0.20	Sigma mass. fer rara daN/cmq	3520
Deformazione ultima cls ecu	0.35		
Deformazione ultima fer eyu	1.00		
Rap. incr. arm.tes/comp (%)	50		

COORDINATE DEI NODI

IDENT.	POSIZIONE NODO			ATTRIBUTI		
Nodo3d N.ro	Coord.X (m)	Coord.Y (m)	Coord.Z (m)	Filo N.ro	Piano Sism.	Peso (t)
1	0.34	0.77	0.00	1	0	0.00
2	2.82	1.02	0.00	2	0	0.00
3	5.00	1.70	0.00	3	0	0.00
4	7.11	2.81	0.00	4	0	0.00
5	8.96	4.35	0.00	5	0	0.00
6	0.34	6.58	0.00	6	0	0.00
7	1.62	6.73	0.00	7	0	0.00
8	2.76	7.13	0.00	8	0	0.00
9	3.87	7.66	0.00	9	0	0.00
10	4.86	8.45	0.00	10	0	0.00
11	0.00	6.57	0.00	18	0	0.00
12	5.12	8.69	0.00	19	0	0.00
13	0.00	0.76	0.00	11	0	0.00
14	9.23	4.59	0.00	17	0	0.00
15	0.34	0.77	3.95	1	0	0.80
16	2.82	1.02	3.95	2	0	1.07
17	5.00	1.70	3.95	3	0	1.06
18	7.11	2.81	3.95	4	0	1.07
19	8.96	4.35	3.95	5	0	0.79
20	0.34	6.58	3.24	6	0	0.69
21	1.62	6.73	3.24	7	0	0.94
22	3.87	7.66	3.24	9	0	0.94
23	4.86	8.45	3.24	10	0	0.68
24	2.76	7.13	3.24	8	0	0.57
25	0.34	8.03	3.83	20	0	0.04
26	0.40	0.00	4.68	12	0	0.06
27	1.32	8.15	3.83	21	0	0.07
28	2.97	0.29	4.68	13	0	0.10
29	2.22	8.44	3.83	22	0	0.07
30	5.29	1.01	4.68	14	0	0.10
31	3.06	8.88	3.83	23	0	0.07
32	7.53	2.19	4.68	15	0	0.10
33	3.83	9.47	3.83	24	0	0.04
34	9.49	3.76	4.68	16	0	0.06

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)	Crit Geot
1	1	2	0.00	0.00	1	2	2	1	Rett. 40 x 74	80	0	29	23	-37	-20	18	-37	
2	2	3	0.00	0.00	2	3	2	1	Rett. 40 x 74	80	0	11	25	-37	-23	14	-37	
3	3	4	0.00	0.00	3	4	2	1	Rett. 40 x 74	80	0	6	26	-37	-25	9	-37	
4	4	5	0.00	0.00	4	5	2	1	Rett. 40 x 74	80	0	1	27	-37	-37	-5	-37	
5	6	7	0.00	0.00	6	7	2	1	Rett. 40 x 74	80	0	29	24	-37	-19	18	-37	
6	7	8	0.00	0.00	7	8	2	1	Rett. 40 x 74	80	0	12	25	-37	-7	19	-37	
7	8	9	0.00	0.00	8	9	2	1	Rett. 40 x 74	80	0	-9	18	-37	-26	10	-37	
8	9	10	0.00	0.00	9	10	2	1	Rett. 40 x 74	80	0	1	26	-37	-38	-4	-37	
9	18	6	0.00	0.00	11	6	2	1	Rett. 40 x 74	80	0	-1	20	-37	-1	20	-37	
10	10	19	0.00	0.00	10	12	2	1	Rett. 40 x 74	80	0	-14	15	-37	-14	15	-37	
11	11	1	0.00	0.00	13	1	2	1	Rett. 40 x 74	80	0	-1	20	-37	-1	20	-37	
12	5	17	0.00	0.00	5	14	2	1	Rett. 40 x 74	80	0	-13	15	-37	-13	15	-37	
13	3	8	0.00	0.00	3	8	2	11	T 60 x 74	100	0	-12	28	-40	0	0	-40	
14	1	6	0.00	0.00	1	6	2	11	T 60 x 74	100	0	24	32	-39	24	0	-39	
15	10	5	0.00	0.00	10	5	2	11	T 60 x 74	100	0	-17	-17	-39	-39	5	-39	
16	1	1	3.95	0.00	15	1	3	3	Rett. 30 x 30	0	3	14	16	0	14	16	0	
17	2	2	3.95	0.00	16	2	3	3	Rett. 30 x 30	0	11	-3	15	0	-3	15	0	
18	3	3	3.95	0.00	17	3	3	3	Rett. 30 x 30	0	23	-6	14	0	-6	14	0	
19	4	4	3.95	0.00	18	4	3	3	Rett. 30 x 30	0	34	-8	12	0	-8	12	0	
20	5	5	3.95	0.00	19	5	3	3	Rett. 30 x 30	0	43	-21	1	0	-21	1	0	
21	6	6	3.24	0.00	20	6	3	3	Rett. 30 x 30	0	3	14	16	0	14	16	0	
22	7	7	3.24	0.00	21	7	3	3	Rett. 30 x 30	0	11	-3	15	0	-3	15	0	
23	9	9	3.24	0.00	22	9	3	3	Rett. 30 x 30	0	34	-8	12	0	-8	12	0	
24	10	10	3.24	0.00	23	10	3	3	Rett. 30 x 30	0	43	-21	1	0	-21	1	0	
25	6	7	3.24	3.24	20	21	101	1936	Leg18x36	0	0	32	4	18	-17	-2	18	
26	7	8	3.24	3.24	21	24	101	1936	Leg18x36	0	0	18	6	18	0	0	18	
27	8	9	3.24	3.24	24	22	101	1936	Leg18x36	0	0	0	0	18	-17	-8	18	
28	9	10	3.24	3.24	22	23	101	1936	Leg18x36	0	0	13	11	18	-25	-20	18	
29	1	2	3.95	3.95	15	16	101	1936	Leg18x36	0	0	31	3	18	-18	-2	18	
30	2	3	3.95	3.95	16	17	101	1936	Leg18x36	0	0	17	5	18	-17	-5	18	
31	3	4	3.95	3.95	17	18	101	1936	Leg18x36	0	0	15	8	18	-16	-9	18	
32	4	5	3.95	3.95	18	19	101	1936	Leg18x36	0	0	14	11	18	-24	-20	18	
33	20	6	3.83	3.24	25	20	101	1935	Leg16x32	0	0	0	0	-16	0	32	50	
34	6	1	3.24	3.95	20	15	101	1935	Leg16x32	0	0	0	0	52	0	32	48	
35	1	12	3.95	4.68	15	26	101	1935	Leg16x32	0	0	0	-1	52	0	0	-16	

36	21	7	3.83	3.24	27	21	101	1935	Leg16x32	0	0	0	0	-16	-6	30	50
37	7	2	3.24	3.95	21	16	101	1935	Leg16x32	0	0	0	0	52	-6	30	48
38	2	13	3.95	4.68	16	28	101	1935	Leg16x32	0	0	0	0	52	0	0	-16
39	22	8	3.83	3.24	29	24	101	1935	Leg16x32	0	0	0	0	-16	0	0	52
40	8	3	3.24	3.95	24	17	101	1935	Leg16x32	0	0	0	0	52	-12	28	48
41	3	14	3.95	4.68	17	30	101	1935	Leg16x32	0	0	0	0	52	0	0	-16
42	23	9	3.83	3.24	31	22	101	1935	Leg16x32	0	0	0	0	-16	-17	25	50
43	9	4	3.24	3.95	22	18	101	1935	Leg16x32	0	0	0	0	52	-17	25	48
44	4	15	3.95	4.68	18	32	101	1935	Leg16x32	0	0	0	0	52	0	0	-16
45	24	10	3.83	3.24	33	23	101	1935	Leg16x32	0	0	0	0	-16	-22	22	50
46	10	5	3.24	3.95	23	19	101	1935	Leg16x32	0	0	0	0	52	-22	22	48
47	5	16	3.95	4.68	19	34	101	1935	Leg16x32	0	0	0	0	52	0	0	-16

VINCOLI E CEDIMENTI NODALI

IDENTIFIC.		RIGIDEZZE TRASLANTI			RIGIDEZZE ROTAZIONALI			SCOSTAMENTI						VERSO SPOSTAMENTI UNILATERI					
Nodo3d N.ro	Codice	Tx t/m	Ty t/m	Tz t/m	Rx t*m	Ry t*m	Rz t*m	Tr.X cm	Tr.Y cm	Tr.Z cm	Azim Grd	CoZe Grd	Ass. Grd	Tr.X	Tr.Y	Tr.Z	RotX	RotY	RotZ
1	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
2	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
3	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
4	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
5	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
6	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
7	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
8	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
9	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
10	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
11	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
12	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
13	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
14	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						

VINCOLI INTERNI ASTE

	VINCOLO NODO INIZIALE							VINCOLO NODO FINALE								
IDENT.	RIGIDEZZE TRASLANTI				RIGIDEZZE ROTAZIONALI			RIGIDEZZE TRASLANTI				RIGIDEZZE ROTAZIONALI			COEFFICIENTI BETA	
Asta3d N.ro	Codice	Tx t/m	Ty t/m	Tz t/m	Rx t/m	Ry t/m	Rz t/m	Codice	Tx t/m	Ty t/m	Tz t/m	Rx t/m	Ry t/m	Rz t/m	Beta X	Beta Y
16	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	I	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	1.00	1.00
17	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	I	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	1.00	1.00
18	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	I	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	1.00	1.00
19	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	I	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	1.00	1.00
20	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	I	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	1.00	1.00
21	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	I	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	1.00	1.00
22	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	I	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	1.00	1.00
23	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	I	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	1.00	1.00
24	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	I	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	1.00	1.00

CARICHI DISTRIBUITI ASTE

CONDIZIONE DI CARICO N.ro: 1					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
13	0	0.00	0.00	-0.81	0.00	0.00	-0.81	0.00	0.0
14	0	0.00	0.00	-0.41	0.00	0.00	-0.41	0.00	0.0
15	0	0.00	0.00	-0.41	0.00	0.00	-0.41	0.00	0.0
33	0	0.00	0.00	-0.03	0.00	0.00	-0.03	0.00	0.0
34	0	0.00	0.00	-0.06	0.00	0.00	-0.06	0.00	0.0
35	0	0.00	0.00	-0.07	0.00	0.00	-0.07	0.00	0.0
36	0	0.00	0.00	-0.07	0.00	0.00	-0.07	0.00	0.0
37	0	0.00	0.00	-0.11	0.00	0.00	-0.11	0.00	0.0
38	0	0.00	0.00	-0.15	0.00	0.00	-0.15	0.00	0.0
39	0	0.00	0.00	-0.06	0.00	0.00	-0.06	0.00	0.0
40	0	0.00	0.00	-0.11	0.00	0.00	-0.11	0.00	0.0
41	0	0.00	0.00	-0.14	0.00	0.00	-0.14	0.00	0.0
42	0	0.00	0.00	-0.07	0.00	0.00	-0.07	0.00	0.0
43	0	0.00	0.00	-0.11	0.00	0.00	-0.11	0.00	0.0
44	0	0.00	0.00	-0.15	0.00	0.00	-0.15	0.00	0.0
45	0	0.00	0.00	-0.03	0.00	0.00	-0.03	0.00	0.0
46	0	0.00	0.00	-0.05	0.00	0.00	-0.05	0.00	0.0
47	0	0.00	0.00	-0.07	0.00	0.00	-0.07	0.00	0.0
1	0	0.00	0.00	-1.92	0.00	0.00	-1.92	0.00	0.0
2	0	0.00	0.00	-1.92	0.00	0.00	-1.92	0.00	0.0
3	0	0.00	0.00	-1.92	0.00	0.00	-1.92	0.00	0.0
4	0	0.00	0.00	-1.92	0.00	0.00	-1.92	0.00	0.0
5	0	0.00	0.00	-1.58	0.00	0.00	-1.58	0.00	0.0
6	0	0.00	0.00	-1.58	0.00	0.00	-1.58	0.00	0.0
7	0	0.00	0.00	-1.58	0.00	0.00	-1.58	0.00	0.0
8	0	0.00	0.00	-1.58	0.00	0.00	-1.58	0.00	0.0
13	0	0.00	0.00	-2.65	0.00	0.00	-2.65	0.00	0.0
14	0	0.00	0.00	-0.47	0.00	0.00	-0.47	0.00	0.0
15	0	0.00	0.00	-0.47	0.00	0.00	-0.47	0.00	0.0
33	0	0.00	0.00	-0.01	0.00	0.00	-0.01	0.00	0.0
34	0	0.00	0.00	-0.02	0.00	0.00	-0.02	0.00	0.0
35	0	0.00	0.00	-0.03	0.00	0.00	-0.03	0.00	0.0
36	0	0.00	0.00	-0.03	0.00	0.00	-0.03	0.00	0.0
37	0	0.00	0.00	-0.04	0.00	0.00	-0.04	0.00	0.0
38	0	0.00	0.00	-0.06	0.00	0.00	-0.06	0.00	0.0
39	0	0.00	0.00	-0.02	0.00	0.00	-0.02	0.00	0.0
40	0	0.00	0.00	-0.04	0.00	0.00	-0.04	0.00	0.0
41	0	0.00	0.00	-0.05	0.00	0.00	-0.05	0.00	0.0
42	0	0.00	0.00	-0.03	0.00	0.00	-0.03	0.00	0.0
43	0	0.00	0.00	-0.04	0.00	0.00	-0.04	0.00	0.0
44	0	0.00	0.00	-0.06	0.00	0.00	-0.06	0.00	0.0
45	0	0.00	0.00	-0.01	0.00	0.00	-0.01	0.00	0.0
46	0	0.00	0.00	-0.02	0.00	0.00	-0.02	0.00	0.0
47	0	0.00	0.00	-0.03	0.00	0.00	-0.03	0.00	0.0

CARICHI DISTRIBUITI ASTE

CONDIZIONE DI CARICO N.ro: 3					ALIQUOTA SISMICA: 60				
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
13	0	0.00	0.00	-0.99	0.00	0.00	-0.99	0.00	0.0
14	0	0.00	0.00	-0.56	0.00	0.00	-0.56	0.00	0.0
15	0	0.00	0.00	-0.56	0.00	0.00	-0.56	0.00	0.0

CARICHI DISTRIBUITI ASTE

CONDIZIONE DI CARICO N.ro: 5					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
25	0	0.00	0.07	-0.16	0.00	0.07	-0.16	0.00	0.0
26	0	0.00	0.07	-0.16	0.00	0.07	-0.16	0.00	0.0
27	0	0.00	0.07	-0.16	0.00	0.07	-0.16	0.00	0.0
28	0	0.00	0.07	-0.16	0.00	0.07	-0.16	0.00	0.0
29	0	0.00	0.14	-0.16	0.00	0.14	-0.16	0.00	0.0
30	0	0.00	0.14	-0.16	0.00	0.14	-0.16	0.00	0.0
31	0	0.00	0.14	-0.16	0.00	0.14	-0.16	0.00	0.0
32	0	0.00	0.14	-0.16	0.00	0.14	-0.16	0.00	0.0

CARICHI DISTRIBUITI ASTE

CONDIZIONE DI CARICO N.ro: 6					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
33	0	0.00	0.00	-0.04	0.00	0.00	-0.04	0.00	0.0
34	0	0.00	0.00	-0.07	0.00	0.00	-0.07	0.00	0.0
35	0	0.00	0.00	-0.10	0.00	0.00	-0.10	0.00	0.0
36	0	0.00	0.00	-0.09	0.00	0.00	-0.09	0.00	0.0
37	0	0.00	0.00	-0.14	0.00	0.00	-0.14	0.00	0.0
38	0	0.00	0.00	-0.20	0.00	0.00	-0.20	0.00	0.0
39	0	0.00	0.00	-0.08	0.00	0.00	-0.08	0.00	0.0
40	0	0.00	0.00	-0.14	0.00	0.00	-0.14	0.00	0.0
41	0	0.00	0.00	-0.19	0.00	0.00	-0.19	0.00	0.0
42	0	0.00	0.00	-0.09	0.00	0.00	-0.09	0.00	0.0
43	0	0.00	0.00	-0.14	0.00	0.00	-0.14	0.00	0.0
44	0	0.00	0.00	-0.20	0.00	0.00	-0.20	0.00	0.0
45	0	0.00	0.00	-0.04	0.00	0.00	-0.04	0.00	0.0
46	0	0.00	0.00	-0.07	0.00	0.00	-0.07	0.00	0.0
47	0	0.00	0.00	-0.10	0.00	0.00	-0.10	0.00	0.0

COMBINAZIONI CARICHI - S.L.V. - A1

DESCRIZIONI	1	2	3	4	5	6	7	8	9
PESO PROPRIO	1.30	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SOVRACCARICO PERMAN.	1.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Var.Scuole	1.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
Var.Neve	1.50	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Var.Vento	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Var.Nev.q<1000	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Var.Coperture	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SISMA DIREZ. GRD 0	0.00	1.00	1.00	-1.00	-1.00	0.30	0.30	-0.30	-0.30
SISMA DIREZ. GRD 90	0.00	0.30	-0.30	0.30	-0.30	1.00	-1.00	1.00	-1.00

COMBINAZIONI CARICHI - S.L.V. - A2

DESCRIZIONI	1	2	3	4	5	6	7	8	9
PESO PROPRIO	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SOVRACCARICO PERMAN.	1.30	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Var.Scuole	1.30	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
Var.Neve	1.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Var.Vento	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Var.Nev.q<1000	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Var.Coperture	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SISMA DIREZ. GRD 0	0.00	1.00	1.00	-1.00	-1.00	0.30	0.30	-0.30	-0.30
SISMA DIREZ. GRD 90	0.00	0.30	-0.30	0.30	-0.30	1.00	-1.00	1.00	-1.00

COMBINAZIONI RARE - S.L.E.

DESCRIZIONI	1
PESO PROPRIO	1.00
SOVRACCARICO PERMAN.	1.00
Var.Scuole	1.00
Var.Neve	1.00
Var.Vento	1.00
Var.Nev.q<1000	1.00
Var.Coperture	1.00
SISMA DIREZ. GRD 0	0.00
SISMA DIREZ. GRD 90	0.00

COMBINAZIONI FREQUENTI - S.L.E.

DESCRIZIONI	1
PESO PROPRIO	1.00
SOVRACCARICO PERMAN.	1.00

COMBINAZIONI FREQUENTI - S.L.E.

DESCRIZIONI	1
Var.Scuole	0.70
Var.Neve	0.50
Var.Vento	0.20
Var.Nev.q<1000	0.20
Var.Coperture	0.00
SISMA DIREZ. GRD 0	0.00
SISMA DIREZ. GRD 90	0.00

COMBINAZIONI PERMANENTI - S.L.E.

DESCRIZIONI	1
PESO PROPRIO	1.00
SOVRACCARICO PERMAN.	1.00
Var.Scuole	0.60
Var.Neve	0.20
Var.Vento	0.00
Var.Nev.q<1000	0.00
Var.Coperture	0.00
SISMA DIREZ. GRD 0	0.00
SISMA DIREZ. GRD 90	0.00

FREQUENZE E MASSE ECCITATE

										SISMA N.ro 1		SISMA N.ro 2		SISMA N.ro 3	
										Massa	Perc.	Massa	Perc.	Massa	Perc.
									Eccitat	9.29	.99	9.27	.99		
									Totale	9.29		9.29			
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	30.473	0.20619	5.0	0.174	0.213	0.391	0.391		0.589	1.26	0.14	7.71	0.83		
2	30.909	0.20328	5.0	0.174	0.213	0.391	0.391		0.589	4.26	0.46	0.67	0.07		
3	38.696	0.16237	5.0	0.174	0.213	0.391	0.391		0.589	3.04	0.33	0.51	0.06		
4	44.526	0.14111	5.0	0.174	0.213	0.390	0.390		0.579	0.63	0.07	0.11	0.01		
5	57.587	0.10911	5.0	0.160	0.193	0.346	0.346		0.504	0.03	0.00	0.20	0.02		
6	79.883	0.07866	5.0	0.134	0.163	0.304	0.304		0.432	0.01	0.00	0.04	0.00		
7	86.156	0.07293	5.0	0.130	0.157	0.296	0.296		0.418	0.00	0.00	0.00	0.00		
8	88.485	0.07101	5.0	0.128	0.155	0.293	0.293		0.414	0.00	0.00	0.00	0.00		
9	92.336	0.06805	5.0	0.125	0.152	0.289	0.289		0.407	0.00	0.00	0.00	0.00		
10	97.723	0.06430	5.0	0.122	0.148	0.284	0.284		0.398	0.00	0.00	0.00	0.00		
11	105.277	0.05968	5.0	0.118	0.144	0.278	0.278		0.387	0.05	0.01	0.01	0.00		
12	107.155	0.05864	5.0	0.118	0.143	0.276	0.276		0.384	0.00	0.00	0.00	0.00		
13	111.039	0.05659	5.0	0.116	0.141	0.274	0.274		0.380	0.00	0.00	0.00	0.00		
14	118.487	0.05303	5.0	0.113	0.137	0.269	0.269		0.371	0.00	0.00	0.00	0.00		
15	119.044	0.05278	5.0	0.113	0.137	0.268	0.268		0.371	0.00	0.00	0.00	0.00		
16	132.519	0.04741	5.0	0.108	0.131	0.261	0.261		0.358	0.00	0.00	0.00	0.00		
17	139.340	0.04509	5.0	0.106	0.129	0.258	0.258		0.352	0.00	0.00	0.00	0.00		
18	142.813	0.04400	5.0	0.105	0.128	0.256	0.256		0.350	0.00	0.00	0.00	0.00		
19	143.462	0.04380	5.0	0.105	0.128	0.256	0.256		0.349	0.00	0.00	0.00	0.00		
20	149.909	0.04191	5.0	0.104	0.126	0.253	0.253		0.345	0.00	0.00	0.00	0.00		
21	153.597	0.04091	5.0	0.103	0.125	0.252	0.252		0.343	0.00	0.00	0.00	0.00		
22	153.994	0.04080	5.0	0.103	0.125	0.252	0.252		0.342	0.00	0.00	0.00	0.00		
23	159.632	0.03936	5.0	0.101	0.123	0.250	0.250		0.339	0.00	0.00	0.00	0.00		
24	170.197	0.03692	5.0	0.099	0.121	0.246	0.246		0.333	0.00	0.00	0.00	0.00		

CARATT. PESO PROPRIO: ASTE

Tratto	Filo In.	Alt. (m)	Tx (kN*10)	Ty (kN*10)	N (kN*10)	Mx kN*m*10	My kN*m*10	Mt kN*m*10	Filo N.ro	Alt. (m)	Tx (kN*10)	Ty (kN*10)	N (kN*10)	Mx kN*m*10	My kN*m*10	Mt kN*m*10
1	0.00	0.00	-0.57	0.00	-0.06	0.00	-0.01	2	0.00	0.00	-0.75	0.00	-0.11	0.00	0.03
2	0.00	0.00	-0.58	0.00	0.13	0.00	0.04	3	0.00	0.00	-0.77	0.00	-0.31	0.00	-0.03
3	0.00	0.00	-0.81	0.00	0.31	0.00	-0.03	4	0.00	0.00	-0.62	0.00	-0.12	0.00	0.04
4	0.00	0.00	-0.72	0.00	0.10	0.00	0.03	5	0.00	0.00	-0.55	0.00	0.04	0.00	-0.01
6	0.00	0.00	0.18	0.00	0.04	0.00	-0.11	7	0.00	0.00	-0.80	0.00	-0.43	0.00	0.12
7	0.00	0.00	-0.91	0.00	0.41	0.00	0.07	8	0.00	0.00	0.09	0.00	0.10	0.00	-0.06
8	0.00	0.00	0.07	0.00	-0.10	0.00	-0.06	9	0.00	0.00	-0.91	0.00	-0.41	0.00	0.07
9	0.00	0.00	-0.79	0.00	0.43	0.00	0.12	10	0.00	0.00	0.20	0.00	-0.06	0.00	-0.12
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	-0.25	0.00	-0.04	0.00	0.00
10	0.00	0.00	-0.26	0.00	0.05	0.00	0.00	19	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	1	0.00	0.00	-0.22	0.00	-0.04	0.00	0.00
5	0.00	0.00	-0.24	0.00	0.04	0.00	0.00	17	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.06	0.00	-0.24	0.00	0.00	8	0.00	0.00	-0.16	0.00	-0.08	0.00	0.00
1	0.00	0.00	-0.50	0.00	-0.11	0.00	0.00	6	0.00	0.00	-0.68	0.00	-0.09	0.00	0.01
10	0.00	0.00	-0.68	0.00	0.09	0.00	0.01	5	0.00	0.00	-0.50	0.00	0.11	0.00	0.00
1	3.95	0.00	0.01	0.40	0.00	0.00	0.00	1	0.00	0.00	-0.01	-1.29	-0.02	-0.01	0.00
2	3.95	0.00	0.01	0.45	0.00	0.00	0.00	2	0.00	0.00	-0.01	-1.34	-0.05	0.00	0.00
3	3.95	0.00	-0.01	0.63	0.00	0.00	0.00	3	0.00	0.00	0.01	-1.52	0.03	0.00	0.00
4	3.95	0.00	0.01	0.45	0.00	0.00	0.00	4	0.00	0.00	-0.01	-1.34	-0.05	0.00	0.00
5	3.95	0.00	0.01	0.40	0.00	0.00	0.00	5	0.00	0.00	-0.01	-1.29	-0.02	0.01	0.00
6	3.24	0.00	-0.02	0.02	0.00	0.00	0.00	6	0.00	0.00	0.02	-0.75	0.08	0.01	0.00
7	3.24	0.00	0.01	0.98	0.00	0.00	0.00	7	0.00	0.00	-0.01	-1.71	-0.03	0.00	0.00
9	3.24	0.00	0.01	0.98	0.00	0.00	0.00	9	0.00	0.00	-0.01	-1.70	-0.03	0.00	0.00

10	3.24	0.00	-0.02	0.01	0.00	0.00	0.00	10	0.00	0.00	0.02	-0.74	0.08	0.00	0.00
6	3.24	0.02	-0.25	0.00	-0.08	0.00	-0.03	7	3.24	-0.02	0.26	0.00	0.28	0.01	0.03
7	3.24	0.00	0.26	0.01	-0.28	-0.01	0.00	8	3.24	0.00	-0.24	-0.01	0.02	0.00	0.00
8	3.24	0.00	-0.23	0.01	-0.02	0.00	0.00	9	3.24	0.00	0.26	-0.01	0.28	0.01	0.00
9	3.24	-0.02	0.27	0.00	-0.28	-0.01	0.03	10	3.24	0.02	-0.25	0.00	0.08	0.00	-0.03
1	3.95	0.00	0.10	0.00	-0.02	0.00	0.01	2	3.95	0.00	-0.06	0.00	-0.14	0.00	-0.01
2	3.95	0.00	-0.01	0.00	0.14	0.00	0.00	3	3.95	0.00	0.06	0.00	-0.07	0.00	0.00
3	3.95	0.00	0.06	0.00	0.07	0.00	0.00	4	3.95	0.00	-0.01	0.00	-0.15	0.00	0.00
4	3.95	0.00	-0.06	0.00	0.14	0.00	-0.01	5	3.95	0.00	0.11	0.00	0.02	0.00	0.01
20	3.83	0.00	0.00	0.00	0.00	0.00	0.00	6	3.24	0.00	0.06	-0.03	0.04	0.00	0.00
6	3.24	0.00	0.20	0.02	-0.03	0.00	0.00	1	3.95	0.00	0.20	0.03	0.02	0.00	0.00
1	3.95	0.00	0.07	0.07	-0.04	0.00	0.00	12	4.68	0.00	0.00	0.00	0.00	0.00	0.00
21	3.83	0.00	0.00	0.00	0.00	0.00	0.00	7	3.24	0.00	0.10	-0.05	0.06	0.00	0.00
7	3.24	0.00	0.34	0.03	-0.05	0.00	0.00	2	3.95	0.00	0.35	0.05	0.07	0.00	0.00
2	3.95	0.00	0.12	0.12	-0.06	0.00	0.00	13	4.68	0.00	0.00	0.00	0.00	0.00	0.00
22	3.83	0.00	0.00	0.00	0.00	0.00	0.00	8	3.24	0.00	0.11	-0.05	0.09	0.00	0.00
8	3.24	0.00	0.35	0.05	-0.08	0.00	0.00	3	3.95	0.00	0.34	0.03	0.06	0.00	0.00
3	3.95	0.00	0.12	0.12	-0.06	0.00	0.00	14	4.68	0.00	0.00	0.00	0.00	0.00	0.00
23	3.83	0.00	0.00	0.00	0.00	0.00	0.00	9	3.24	0.00	0.10	-0.05	0.06	0.00	0.00
9	3.24	0.00	0.34	0.03	-0.05	0.00	0.00	4	3.95	0.00	0.35	0.05	0.07	0.00	0.00
4	3.95	0.00	0.12	0.12	-0.07	0.00	0.00	15	4.68	0.00	0.00	0.00	0.00	0.00	0.00
24	3.83	0.00	0.00	0.00	0.00	0.00	0.00	10	3.24	0.00	0.06	-0.03	0.04	0.00	0.00
10	3.24	0.00	0.20	0.02	-0.03	0.00	0.00	5	3.95	0.00	0.20	0.03	0.02	0.00	0.00
5	3.95	0.00	0.07	0.07	-0.04	0.00	0.00	16	4.68	0.00	0.00	0.00	0.00	0.00	0.00

CARATT. SOVRACCARICO PERMAN.: ASTE

Tratto	Filo In.	Alt. (m)	Tx (kN*10)	Ty (kN*10)	N (kN*10)	Mx kN*m*10	My kN*m*10	Mt kN*m*10	Filo N.ro	Alt. (m)	Tx (kN*10)	Ty (kN*10)	N (kN*10)	Mx kN*m*10	My kN*m*10	Mt kN*m*10
1	0.00	0.00	1.24	0.00	-0.10	0.00	-0.02	2	0.00	0.00	-0.23	0.00	-1.09	0.00	0.05
2	0.00	0.00	0.12	0.00	1.05	0.00	0.10	3	0.00	0.00	-0.37	0.00	-1.44	0.00	-0.07
3	0.00	0.00	-0.37	0.00	1.44	0.00	-0.07	4	0.00	0.00	0.13	0.00	-1.03	0.00	0.09
4	0.00	0.00	-0.23	0.00	1.07	0.00	0.05	5	0.00	0.00	1.24	0.00	0.09	0.00	-0.02
6	0.00	0.00	1.41	0.00	0.09	0.00	-0.21	7	0.00	0.00	-1.01	0.00	-1.05	0.00	0.21
7	0.00	0.00	0.74	0.00	1.27	0.00	0.04	8	0.00	0.00	-0.47	0.00	-1.88	0.00	-0.02
8	0.00	0.00	-0.47	0.00	1.88	0.00	-0.02	9	0.00	0.00	0.75	0.00	-1.25	0.00	0.04

CARATT. SOVRACCARICO PERMAN.: ASTE

Tratto	Filo In.	Alt. (m)	Tx (kN*10)	Ty (kN*10)	N (kN*10)	Mx kN*m*10	My kN*m*10	Mt kN*m*10	Filo N.ro	Alt. (m)	Tx (kN*10)	Ty (kN*10)	N (kN*10)	Mx kN*m*10	My kN*m*10	Mt kN*m*10
9	0.00	0.00	-1.02	0.00	1.03	0.00	0.22	10	0.00	0.00	1.41	0.00	-0.11	0.00	-0.21
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	-0.28	0.00	-0.05	0.00	0.00
10	0.00	0.00	-0.29	0.00	0.05	0.00	0.00	19	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	1	0.00	0.00	-0.26	0.00	-0.04	0.00	0.00
5	0.00	0.00	-0.27	0.00	0.05	0.00	0.00	17	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.52	0.00	-0.48	0.00	0.00	8	0.00	0.00	0.95	0.00	-0.43	0.00	0.00
1	0.00	0.00	-1.12	0.00	-0.07	0.00	0.12	6	0.00	0.00	-1.16	0.00	-0.11	0.00	0.05
10	0.00	0.00	-1.15	0.00	0.12	0.00	0.05	5	0.00	0.00	-1.10	0.00	0.07	0.00	0.12
1	3.95	0.04	0.01	0.14	0.00	0.00	0.00	1	0.00	-0.04	-0.01	-0.14	-0.03	0.15	0.00
2	3.95	0.02	0.02	0.11	0.00	0.00	0.00	2	0.00	-0.02	-0.02	-0.11	-0.07	0.09	0.00
3	3.95	0.00	-0.03	0.22	0.00	0.00	0.00	3	0.00	0.00	0.03	-0.22	0.11	0.00	0.00
4	3.95	-0.02	0.02	0.11	0.00	0.00	0.00	4	0.00	0.02	-0.02	-0.11	-0.08	-0.09	0.00
5	3.95	-0.04	0.01	0.14	0.00	0.00	0.00	5	0.00	0.04	-0.01	-0.14	-0.03	-0.15	0.00
6	3.24	0.03	-0.05	0.02	0.00	0.00	0.00	6	0.00	-0.03	0.05	-0.02	0.17	0.09	0.00
7	3.24	0.02	0.01	0.27	0.00	0.00	0.00	7	0.00	-0.02	-0.01	-0.27	-0.02	0.07	0.00
9	3.24	-0.02	0.01	0.26	0.00	0.00	0.00	9	0.00	0.02	-0.01	-0.26	-0.02	-0.07	0.00
10	3.24	-0.03	-0.05	0.02	0.00	0.00	0.00	10	0.00	0.03	0.05	-0.02	0.17	-0.08	0.00
6	3.24	0.03	-0.05	0.03	-0.02	0.01	-0.01	7	3.24	-0.03	0.05	-0.03	0.05	0.02	0.01
7	3.24	-0.01	0.08	0.06	-0.05	-0.02	0.00	8	3.24	0.01	-0.08	-0.06	-0.03	0.01	0.00
8	3.24	0.01	-0.07	0.06	0.03	-0.01	0.00	9	3.24	-0.01	0.07	-0.06	0.05	0.02	0.00
9	3.24	-0.03	0.05	0.03	-0.05	-0.02	0.01	10	3.24	0.03	-0.05	-0.03	0.02	-0.01	-0.01
1	3.95	0.00	0.04	0.04	0.00	0.00	0.00	2	3.95	0.00	-0.04	-0.04	-0.08	0.01	0.00
2	3.95	0.00	-0.03	0.06	0.09	0.00	0.00	3	3.95	0.00	0.03	-0.06	-0.04	0.00	0.00
3	3.95	0.00	0.03	0.06	0.04	0.00	0.00	4	3.95	0.00	-0.03	-0.06	-0.09	0.00	0.00
4	3.95	-0.01	-0.05	0.03	0.08	-0.01	0.00	5	3.95	0.01	0.05	-0.03	0.00	0.00	0.00
20	3.83	0.00	0.00	0.00	0.00	0.00	0.00	6	3.24	0.00	0.01	-0.01	0.01	0.00	0.00
6	3.24	0.00	0.06	-0.01	0.00	-0.01	0.00	1	3.95	0.00	0.06	0.02	0.01	-0.01	0.00
1	3.95	0.00	0.02	0.02	-0.01	0.00	0.00	12	4.68	0.00	0.00	0.00	0.00	0.00	0.00
21	3.83	0.00	0.00	0.00	0.00	0.00	0.00	7	3.24	0.00	0.03	-0.02	0.02	0.00	0.00
7	3.24	0.00	0.11	-0.01	-0.01	-0.01	0.00	2	3.95	0.00	0.11	0.04	0.02	-0.01	0.00
2	3.95	0.00	0.04	0.04	-0.02	0.00	0.00	13	4.68	0.00	0.00	0.00	0.00	0.00	0.00
22	3.83	0.00	0.00	0.00	0.00	0.00	0.00	8	3.24	0.00	0.03	-0.01	0.03	0.00	0.00
8	3.24	0.00	0.11	0.03	-0.02	0.00	0.00	3	3.95	0.00	0.11	-0.01	0.03	0.00	0.00
3	3.95	0.00	0.04	0.04	-0.02	0.00	0.00	14	4.68	0.00	0.00	0.00	0.00	0.00	0.00
23	3.83	0.00	0.00	0.00	0.00	0.00	0.00	9	3.24	0.00	0.03	-0.02	0.02	0.00	0.00
9	3.24	0.00	0.11	-0.01	-0.01	0.01	0.00	4	3.95	0.00	0.11	0.04	0.03	0.01	0.00
4	3.95	0.00	0.04	0.04	-0.02	0.00	0.00	15	4.68	0.00	0.00	0.00	0.00	0.00	0.00
24	3.83	0.00	0.00	0.00	0.00	0.00	0.00	10	3.24	0.00	0.01	-0.01	0.01	0.00	0.00
10	3.24	0.00	0.06	-0.01	0.00	0.01	0.00	5	3.95	0.00	0.06	0.02	0.01	0.01	0.00
5	3.95	0.00	0.02	0.02	-0.01	0.00	0.00	16	4.68	0.00	0.00	0.00	0.00	0.00	0.00

CARATT. Var.Scuole: ASTE

Tratto	Filo In.	Alt. (m)	Tx (kN*10)	Ty (kN*10)	N (kN*10)	Mx kN*m*10	My kN*m*10	Mt kN*m*10	Filo N.ro	Alt. (m)	Tx (kN*10)	Ty (kN*10)	N (kN*10)	Mx kN*m*10	My kN*m*10	Mt kN*m*10
1	0.00	0.00	-0.30	0.00	0.04	0.00	0.00	2	0.00	0.00	-0.13	0.00	0.12	0.00	-0.01
2	0.00	0.00	0.13	0.00	-0.08	0.00	0.01	3	0.00	0.00	-0.56	0.00	-0.57	0.00	-0.03
3	0.00	0.00	-0.56	0.00	0.57	0.00	-0.03	4	0.00	0.00	0.11	0.00	0.09	0.00	0.01
4	0.00	0.00	-0.12	0.00	-0.12	0.00	-0.01	5	0.00	0.00	-0.30	0.00	-0.04	0.00	0.00
6	0.00	0.00	-0.19	0.00	0.00	0.00	0.01	7	0.00	0.00	-0.08	0.00	0.04	0.00	0.00
7	0.00	0.00	0.08	0.00	-0.03	0.00	-0.04	8	0.00	0.00	-0.43	0.00	-0.23	0.00	0.04
8	0.00	0.00	-0.43	0.00	0.23	0.00	0.04	9	0.00	0.00	0.07	0.00	0.03	0.00	-0.03
9	0.00	0.00	-0.07	0.00	-0.04	0.00	0.00	10	0.00	0.00	-0.18	0.00	-0.01	0.00	0.01
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	-0.10	0.00	-0.02	0.00	0.00
10	0.00	0.00	-0.11	0.00	0.02	0.00	0.00	19	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	1	0.00	0.00	-0.08	0.00	-0.01	0.00	0.00
5	0.00	0.00	-0.09	0.00	0.02	0.00	0.00	17	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	1.12	0.00	-0.12	0.00	0.00	8	0.00	0.00	0.87	0.00	-0.12	0.00	0.00

1	0.00	0.00	0.39	0.00	0.00	0.00	-0.01	6	0.00	0.00	0.29	0.00	-0.03	0.00	0.01
10	0.00	0.00	0.29	0.00	0.03	0.00	0.01	5	0.00	0.00	0.39	0.00	0.00	0.00	-0.01
1	3.95	0.00	-0.01	0.00	0.00	0.00	0.00	1	0.00	0.00	0.01	0.00	0.03	-0.01	0.00
2	3.95	0.00	-0.01	0.01	0.00	0.00	0.00	2	0.00	0.00	0.01	-0.01	0.03	0.01	0.00
3	3.95	0.00	-0.02	-0.01	0.00	0.00	0.00	3	0.00	0.00	0.02	0.01	0.06	0.00	0.00
4	3.95	0.00	-0.01	0.01	0.00	0.00	0.00	4	0.00	0.00	0.01	-0.01	0.03	0.00	0.00
5	3.95	0.00	-0.01	0.00	0.00	0.00	0.00	5	0.00	0.00	0.01	0.00	0.03	0.01	0.00
6	3.24	0.01	0.01	0.00	0.00	0.00	0.00	6	0.00	-0.01	-0.01	0.00	-0.03	0.02	0.00
7	3.24	0.00	0.01	0.00	0.00	0.00	0.00	7	0.00	0.00	-0.01	0.00	-0.03	0.01	0.00
9	3.24	0.00	0.01	0.00	0.00	0.00	0.00	9	0.00	0.00	-0.01	0.00	-0.03	-0.01	0.00
10	3.24	-0.01	0.01	0.00	0.00	0.00	0.00	10	0.00	0.01	-0.01	0.00	-0.03	-0.02	0.00
6	3.24	0.00	0.00	0.01	0.00	0.00	0.00	7	3.24	0.00	0.00	-0.01	0.00	0.00	0.00
7	3.24	-0.01	0.00	0.01	0.00	0.00	0.00	8	3.24	0.01	0.00	-0.01	0.00	-0.01	0.00
8	3.24	0.01	0.00	0.01	0.00	0.01	0.00	9	3.24	-0.01	0.00	-0.01	0.00	0.00	0.00
9	3.24	0.00	0.00	0.01	0.00	0.00	0.00	10	3.24	0.00	0.00	-0.01	0.00	0.00	0.00
1	3.95	0.00	0.00	0.00	0.00	0.00	0.00	2	3.95	0.00	0.00	0.00	0.00	0.00	0.00
2	3.95	0.00	0.00	0.00	0.00	0.00	0.00	3	3.95	0.00	0.00	0.00	0.00	0.00	0.00
3	3.95	0.00	0.00	0.00	0.00	0.00	0.00	4	3.95	0.00	0.00	0.00	0.00	0.00	0.00
4	3.95	0.00	0.00	0.00	0.00	0.00	0.00	5	3.95	0.00	0.00	0.00	0.00	0.00	0.00
20	3.83	0.00	0.00	0.00	0.00	0.00	0.00	6	3.24	0.00	0.00	0.00	0.00	0.00	0.00
6	3.24	0.00	0.00	0.01	0.00	0.00	0.00	1	3.95	0.00	0.00	-0.01	0.00	0.00	0.00
1	3.95	0.00	0.00	0.00	0.00	0.00	0.00	12	4.68	0.00	0.00	0.00	0.00	0.00	0.00
21	3.83	0.00	0.00	0.00	0.00	0.00	0.00	7	3.24	0.00	0.00	0.00	0.00	0.00	0.00
7	3.24	0.00	0.00	0.01	0.00	0.00	0.00	2	3.95	0.00	0.00	-0.01	0.00	0.00	0.00
2	3.95	0.00	0.00	0.00	0.00	0.00	0.00	13	4.68	0.00	0.00	0.00	0.00	0.00	0.00
22	3.83	0.00	0.00	0.00	0.00	0.00	0.00	8	3.24	0.00	0.00	0.00	0.00	0.00	0.00
8	3.24	0.00	0.00	0.01	0.00	0.00	0.00	3	3.95	0.00	0.00	-0.01	0.00	0.00	0.00
3	3.95	0.00	0.00	0.00	0.00	0.00	0.00	14	4.68	0.00	0.00	0.00	0.00	0.00	0.00
23	3.83	0.00	0.00	0.00	0.00	0.00	0.00	9	3.24	0.00	0.00	0.00	0.00	0.00	0.00
9	3.24	0.00	0.00	0.01	0.00	0.00	0.00	4	3.95	0.00	0.00	-0.01	0.00	0.00	0.00
4	3.95	0.00	0.00	0.00	0.00	0.00	0.00	15	4.68	0.00	0.00	0.00	0.00	0.00	0.00
24	3.83	0.00	0.00	0.00	0.00	0.00	0.00	10	3.24	0.00	0.00	0.00	0.00	0.00	0.00
10	3.24	0.00	0.00	0.01	0.00	0.00	0.00	5	3.95	0.00	0.00	-0.01	0.00	0.00	0.00
5	3.95	0.00	0.00	0.00	0.00	0.00	0.00	16	4.68	0.00	0.00	0.00	0.00	0.00	0.00

CARATT. Var.Neve: ASTE

Tratto	Filo In.	Alt. (m)	Tx (kN*10)	Ty (kN*10)	N (kN*10)	Mx kN*m*10	My kN*m*10	Mt kN*m*10	Filo N.ro	Alt. (m)	Tx (kN*10)	Ty (kN*10)	N (kN*10)	Mx kN*m*10	My kN*m*10	Mt kN*m*10
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
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	4	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
6	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
7	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
8	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
9	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
18	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	19	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	1	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	17	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	8	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	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	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	3.95	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	3.95	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	3.95	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	3.95	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	3.95	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	3.24	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	3.24	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
9	3.24	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
10	3.24	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
6	3.24	0.00	0.00	0.00	0.00	0.00	0.00	7	3.24	0.00	0.00	0.00	0.00	0.00	0.00
7	3.24	0.00	0.00	0.00	0.00	0.00	0.00	8	3.24	0.00	0.00	0.00	0.00	0.00	0.00
8	3.24	0.00	0.00	0.00	0.00	0.00	0.00	9	3.24	0.00	0.00	0.00	0.00	0.00	0.00
9	3.24	0.00	0.00	0.00	0.00	0.00	0.00	10	3.24	0.00	0.00	0.00	0.00	0.00	0.00
1	3.95	0.00	0.00	0.00	0.00	0.00	0.00	2	3.95	0.00	0.00	0.00	0.00	0.00	0.00
2	3.95	0.00	0.00	0.00	0.00	0.00	0.00	3	3.95	0.00	0.00	0.00	0.00	0.00	0.00
3	3.95	0.00	0.00	0.00	0.00	0.00	0.00	4	3.95	0.00	0.00	0.00	0.00	0.00	0.00
4	3.95	0.00	0.00	0.00	0.00	0.00	0.00	5	3.95	0.00	0.00	0.00	0.00	0.00	0.00
20	3.83	0.00	0.00	0.00	0.00	0.00	0.00	6	3.24	0.00	0.00	0.00	0.00	0.00	0.00
6	3.24	0.00	0.00	0.00	0.00	0.00	0.00	1	3.95	0.00	0.00	0.00	0.00	0.00	0.00
1	3.95	0.00	0.00	0.00	0.00	0.00	0.00	12	4.68	0.00	0.00	0.00	0.00	0.00	0.00
21	3.83	0.00	0.00	0.00	0.00	0.00	0.00	7	3.24	0.00	0.00	0.00	0.00	0.00	0.00
7	3.24	0.00	0.00	0.00	0.00	0.00	0.00	2	3.95	0.00	0.00	0.00	0.00	0.00	0.00
2	3.95	0.00	0.00	0.00	0.00	0.00	0.00	13	4.68	0.00	0.00	0.00	0.00	0.00	0.00
22	3.83	0.00	0.00	0.00	0.00	0.00	0.00	8	3.24	0.00	0.00	0.00	0.00	0.00	0.00
8	3.24	0.00	0.00	0.00	0.00	0.00	0.00	3	3.95	0.00	0.00	0.00	0.00	0.00	0.00
3	3.95	0.00	0.00	0.00	0.00	0.00	0.00	14	4.68	0.00	0.00	0.00	0.00	0.00	0.00
23	3.83	0.00	0.00	0.00	0.00	0.00	0.00	9	3.24	0.00	0.00	0.00	0.00	0.00	0.00
9	3.24	0.00	0.00	0.00	0.00	0.00	0.00	4	3.95	0.00	0.00	0.00	0.00	0.00	0.00
4	3.95	0.00	0.00	0.00	0.00	0.00	0.00	15	4.68	0.00	0.00	0.00	0.00	0.00	0.00
24	3.83	0.00	0.00	0.00	0.00	0.00	0.00	10	3.24	0.00	0.00	0.00	0.00	0.00	0.00
10	3.24	0.00	0.00	0.00	0.00	0.00	0.00	5	3.95	0.00	0.00	0.00	0.00	0.00	0.00
5	3.95	0.00	0.00	0.00	0.00	0.00	0.00	16	4.68	0.00	0.00	0.00	0.00	0.00	0.00

CARATT. Var.Vento: ASTE

Tratto	Filo In.	Alt. (m)	Tx (kN*10)	Ty (kN*10)	N (kN*10)	Mx kN*m*10	My kN*m*10	Mt kN*m*10	Filo N.ro	Alt. (m)	Tx (kN*10)	Ty (kN*10)	N (kN*10)	Mx kN*m*10	My kN*m*10	Mt kN*m*10
1	0.00	0.00	0.19	0.00	0.07	0.00	0.09	2	0.00	0.00	-0.16	0.00	-0.42	0.00	-0.12
2	0.00	0.00	-0.24	0.00	0.61	0.00	-0.12	3	0.00	0.00	0.24	0.00	-0.12	0.00	0.09
3	0.00	0.00	-0.14	0.00	0.39	0.00	0.08	4	0.00	0.00	0.12	0.00	-0.14	0.00	-0.11
4	0.00	0.00	-0.54	0.00	0.49	0.00	-0.12	5	0.00	0.00	0.45	0.00	0.48	0.00	0.10
6	0.00	0.00	0.10	0.00	-0.09	0.00	0.24	7	0.00	0.00	-0.22	0.00	-0.05	0.00	-0.26
7	0.00	0.00	-0.11	0.00	0.03	0.00	-0.25	8	0.00	0.00	0.05	0.00	0.05	0.00	0.23
8	0.00	0.00	-0.14	0.00	-0.05	0.00	0.22	9	0.00	0.00	0.07	0.00	0.16	0.00	-0.24
9	0.00	0.00	-0.39	0.00	0.01	0.00	-0.25	10	0.00	0.00	0.26	0.00	0.24	0.00	0.23
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	-0.10	0.00	-0.02	0.00	0.00
10	0.00	0.00	-0.12	0.00	0.02	0.00	0.00	19	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	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5	0.00	0.00	-0.05	0.00	0.01	0.00	0.00	17	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	-0.35	0.00	0.74	0.00	0.00	8	0.00	0.00	0.09	0.00	0.43	0.00	0.00
1	0.00	0.00	-0.29	0.00	0.46	0.00	0.01	6	0.00	0.00	0.02	0.00	0.80	0.00	-0.05
10	0.00	0.00	-0.11	0.00	-0.76	0.00	-0.05	5	0.00	0.00	-0.49	0.00	-0.46	0.00	-0.01
1	3.95	-0.03	0.10	0.11	0.00	0.00	-0.01	1	0.00	0.03	-0.10	-0.11	-0.41	-0.11	0.01
2	3.95	-0.05	0.09	0.40	0.00	0.00	-0.01	2	0.00	0.05	-0.09	-0.40	-0.37	-0.19	0.01
3	3.95	-0.08	0.17	0.24	0.00	0.00	0.00	3	0.00	0.08	-0.17	-0.24	-0.66	-0.33	0.00
4	3.95	-0.11	0.08	0.41	0.00	0.00	0.00	4	0.00	0.11	-0.08	-0.41	-0.33	-0.45	0.00
5	3.95	-0.13	0.10	0.10	0.00	0.00	0.00	5	0.00	0.13	-0.10	-0.10	-0.38	-0.51	0.00
6	3.24	0.04	0.17	-0.02	0.00	0.00	-0.02	6	0.00	-0.04	-0.17	0.02	-0.56	0.13	0.02
7	3.24	0.02	0.17	0.33	0.00	0.00	-0.01	7	0.00	-0.02	-0.17	-0.33	-0.53	0.05	0.01
9	3.24	-0.08	0.15	0.33	0.00	0.00	0.01	9	0.00	0.08	-0.15	-0.33	-0.48	-0.26	-0.01
10	3.24	-0.10	0.15	-0.02	0.00	0.00	0.01	10	0.00	0.10	-0.15	0.02	-0.49	-0.32	-0.01
6	3.24	-0.15	-0.02	0.02	-0.01	-0.04	0.00	7	3.24	0.09	0.15	-0.03	0.07	-0.06	0.00
7	3.24	-0.06	0.17	0.02	-0.07	0.05	0.00	8	3.24	-0.01	0.00	-0.04	-0.01	-0.07	0.00
8	3.24	0.04	0.00	0.05	0.01	0.09	0.00	9	3.24	-0.11	0.17	-0.08	0.07	-0.01	0.00
9	3.24	0.10	0.15	0.04	-0.07	0.04	0.00	10	3.24	-0.14	-0.02	-0.07	0.01	0.05	0.00
1	3.95	-0.13	0.11	-0.02	0.01	-0.02	0.00	2	3.95	-0.15	0.22	-0.01	0.10	0.04	0.00
2	3.95	-0.15	0.20	-0.04	-0.10	-0.05	0.00	3	3.95	-0.11	0.12	-0.04	0.03	0.01	0.00
3	3.95	-0.09	0.12	-0.04	-0.02	0.00	0.00	4	3.95	-0.16	0.21	-0.09	0.11	0.06	0.00
4	3.95	-0.09	0.21	-0.03	-0.10	-0.01	0.00	5	3.95	-0.12	0.10	-0.14	-0.01	0.04	0.00
20	3.83	0.00	0.00	0.00	0.00	0.00	0.00	6	3.24	0.00	0.00	0.00	0.00	0.00	0.00
6	3.24	0.01	0.00	0.03	0.00	0.03	0.00	1	3.95	-0.01	0.00	-0.03	0.02	0.03	0.00
1	3.95	0.00	0.00	0.00	0.00	0.00	0.00	12	4.68	0.00	0.00	0.00	0.00	0.00	0.00
21	3.83	0.00	0.00	0.00	0.00	0.00	0.00	7	3.24	0.00	0.00	0.00	0.00	0.00	0.00
7	3.24	0.01	-0.01	0.20	0.02	0.02	0.00	2	3.95	-0.01	0.01	-0.20	0.04	0.01	0.00
2	3.95	0.00	0.00	0.00	0.00	0.00	0.00	13	4.68	0.00	0.00	0.00	0.00	0.00	0.00
22	3.83	0.00	0.00	0.00	0.00	0.00	0.00	8	3.24	0.00	0.00	0.00	0.00	0.00	0.00
8	3.24	0.00	-0.01	0.04	0.00	-0.01	0.00	3	3.95	0.00	0.01	-0.04	0.03	-0.01	0.00
3	3.95	0.00	0.00	0.00	0.00	0.00	0.00	14	4.68	0.00	0.00	0.00	0.00	0.00	0.00
23	3.83	0.00	0.00	0.00	0.00	0.00	0.00	9	3.24	0.00	0.00	0.00	0.00	0.00	0.00
9	3.24	-0.01	-0.01	0.15	0.02	-0.05	0.00	4	3.95	0.01	0.01	-0.15	0.03	-0.04	0.00
4	3.95	0.00	0.00	0.00	0.00	0.00	0.00	15	4.68	0.00	0.00	0.00	0.00	0.00	0.00
24	3.83	0.00	0.00	0.00	0.00	0.00	0.00	10	3.24	0.00	0.00	0.00	0.00	0.00	0.00
10	3.24	-0.02	0.00	0.01	0.00	-0.05	0.00	5	3.95	0.02	0.00	-0.01	0.01	-0.04	0.00
5	3.95	0.00	0.00	0.00	0.00	0.00	0.00	16	4.68	0.00	0.00	0.00	0.00	0.00	0.00

CARATT. Var.Nev.q<1000: ASTE

Tratto	Filo In.	Alt. (m)	Tx (kN*10)	Ty (kN*10)	N (kN*10)	Mx kN*m*10	My kN*m*10	Mt kN*m*10	Filo N.ro	Alt. (m)	Tx (kN*10)	Ty (kN*10)	N (kN*10)	Mx kN*m*10	My kN*m*10	Mt kN*m*10
1	0.00	0.00	-0.09	0.00	-0.03	0.00	-0.01	2	0.00	0.00	-0.23	0.00	-0.09	0.00	0.02
2	0.00	0.00	-0.24	0.00	0.09	0.00	0.01	3	0.00	0.00	-0.14	0.00	0.01	0.00	0.00
3	0.00	0.00	-0.15	0.00	-0.01	0.00	0.00	4	0.00	0.00	-0.25	0.00	-0.09	0.00	0.01
4	0.00	0.00	-0.22	0.00	0.09	0.00	0.02	5	0.00	0.00	-0.09	0.00	0.03	0.00	-0.01
6	0.00	0.00	0.41	0.00	0.03	0.00	-0.07	7	0.00	0.00	-0.57	0.00	-0.42	0.00	0.08
7	0.00	0.00	-0.48	0.00	0.42	0.00	0.07	8	0.00	0.00	0.24	0.00	-0.06	0.00	-0.07
8	0.00	0.00	0.23	0.00	0.06	0.00	-0.07	9	0.00	0.00	-0.47	0.00	-0.42	0.00	0.07
9	0.00	0.00	-0.58	0.00	0.42	0.00	0.08	10	0.00	0.00	0.42	0.00	-0.04	0.00	-0.08
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6	0.00	0.00	-0.05	0.00	-0.01	0.00	0.00
10	0.00	0.00	-0.05	0.00	0.01	0.00	0.00	19	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	1	0.00	0.00	-0.04	0.00	-0.01	0.00	0.00
5	0.00	0.00	-0.05	0.00	0.01	0.00	0.00	17	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	-0.38	0.00	-0.09	0.00	0.00	8	0.00	0.00	-0.47	0.00	-0.05	0.00	0.00
1	0.00	0.00	-0.27	0.00	-0.05	0.00	0.00	6	0.00	0.00	-0.34	0.00	-0.04	0.00	0.01
10	0.00	0.00	-0.34	0.00	0.04	0.00	0.01	5	0.00	0.00	-0.27	0.00	0.05	0.00	0.00
1	3.95	0.00	0.00	0.40	0.00	0.00	0.00	1	0.00	0.00	0.00	-0.40	-0.01	0.00	0.00
2	3.95	0.00	0.01	0.47	0.00	0.00	0.00	2	0.00	0.00	-0.01	-0.47	-0.02	0.00	0.00
3	3.95	0.00	0.00	0.67	0.00	0.00	0.00	3	0.00	0.00	0.00	-0.67	0.00	0.00	0.00
4	3.95	0.00	0.01	0.47	0.00	0.00	0.00	4	0.00	0.00	-0.01	-0.47	-0.02	0.00	0.00
5	3.95	0.00	0.00	0.40	0.00	0.00	0.00	5	0.00	0.00	0.00	-0.40	-0.01	0.00	0.00
6	3.24	0.00	-0.01	-0.02	0.00	0.00	0.00	6	0.00	0.00	0.01	0.02	0.05	0.01	0.00
7	3.24	0.00	0.01	1.05	0.00	0.00	0.00	7	0.00	0.00	-0.01	-1.05	-0.02	0.01	0.00
9	3.24	0.00	0.01	1.05	0.00	0.00	0.00	9	0.00	0.00	-0.01	-1.05	-0.02	-0.01	0.00
10	3.24	0.00	-0.01	-0.03	0.00	0.00	0.00	10	0.00	0.00	0.01	0.03	0.05	-0.01	0.00
6	3.24	0.01	-0.28	0.01	-0.08	0.00	-0.04	7	3.24	-0.01	0.28	-0.01	0.31	0.01	0.04
7	3.24	0.00	0.27	0.01	-0.30	-0.01	0.00	8	3.24	0.00	-0.27	-0.01	0.03	0.00	0.00
8	3.24	0.00	-0.26	0.01	-0.03	0.00	0.00	9	3.24	0.00	0.26	-0.01	0.30	0.01	0.00
9	3.24	-0.01	0.28	0.01	-0.30	-0.01	0.04	10	3.24	0.01	-0.28	-0.01	0.08	0.00	-0.04
1	3.95	0.00	0.09	0.00	-0.03	0.00	0.01	2	3.95	0.00	-0.09	0.00	-0.16	0.00	-0.01
2	3.95	0.00	-0.04	0.00	0.17	0.00	0.00	3	3.95	0.00	0.04	0.00	-0.09	0.00	0.00
3	3.95	0.00	0.04	0.00	0.09	0.00	0.00	4	3.95	0.00	-0.04	0.00	-0.17	0.00	0.00
4	3.95	0.00	-0.10	0.00	0.16	0.00	-0.02	5	3.95	0.00	0.10	0.00	0.03	0.00	0.02
20	3.83	0.00	0.00	0.00	0.00	0.00	0.00	6	3.24	0.00	0.05	-0.03	0.03	0.00	0.00
6	3.24	0.00	0.20	0.02	-0.02	0.00	0.00	1	3.95	0.00	0.20	0.03	0.02	0.00	0.00
1	3.95	0.00	0.08	0.07	-0.04	0.00	0.00	12	4.68	0.00	0.00	0.00	0.00	0.00	0.00
21	3.83	0.00	0.00	0.00	0.00	0.00	0.00	7	3.24	0.00	0.10	-0.05	0.07	0.00	0.00
7	3.24	0.00	0.39	0.05	-0.06	0.00	0.00	2	3.95	0.00	0.40	0.06	0.08	0.00	0.00
2	3.95	0.00	0.15	0.14	-0.08	0.00	0.00	13	4.68	0.00	0.00	0.00	0.00	0.00	0.00
22	3.83	0.00	0.00	0.00	0.00	0.00	0.00	8	3.24	0.00	0.12	-0.05	0.09	0.00	0.00
8	3.24	0.00	0.40	0.05	-0.09	0.00	0.00	3	3.95	0.00	0.39	0.05	0.07	0.00	0.00
3	3.95	0.00	0.14	0.14	-0.07	0.00	0.00	14	4.68	0.00	0.00	0.00	0.00	0.00	0.00
23	3.83	0.00	0.00	0.00	0.00	0.00	0.00	9	3.24	0.00	0.10	-0.05	0.07	0.00	0.00
9	3.24	0.00	0.39	0.05	-0.06	0.00	0.00	4	3.95	0.00	0.40	0.06	0.08	0.00	0.00
4	3.95	0.00	0.15	0.14	-0.08	0.00	0.00	15	4.68	0.00	0.00	0.00	0.00	0.00	0.00
24	3.83	0.00	0.00	0.00	0.00	0.00	0.00	10	3.24	0.00	0.05	-0.03	0.03	0.00	0.00
10	3.24	0.00	0.20	0.02	-0.02	0.00	0.00	5	3.95	0.00	0.20	0.03	0.02	0.00	0.00
5	3.95	0.00	0.08	0.07	-0.04	0.00	0.00	16	4.68	0.00	0.00	0.00	0.00	0.00	0.00

CARATT. Var.Coperture: ASTE

Tratto	Filo In.	Alt. (m)	Tx (kN*10)	Ty (kN*10)	N (kN*10)	Mx kN*m*10	My kN*m*10	Mt kN*m*10	Filo N.ro	Alt. (m)	Tx (kN*10)	Ty (kN*10)	N (kN*10)	Mx kN*m*10	My kN*m*10	Mt kN*m*10
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
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	4	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
6	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
7	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
8	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
9	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
18	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	19	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	1	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	17	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	8	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	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	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	3.95	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	3.95	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	3.95	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	3.95	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	3.95	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	3.24	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	3.24	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
9	3.24	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
10	3.24	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
6	3.24	0.00	0.00	0.00	0.00	0.00	0.00	7	3.24	0.00	0.00	0.00	0.00	0.00	0.00
7	3.24	0.00	0.00	0.00	0.00	0.00	0.00	8	3.24	0.00	0.00	0.00	0.00	0.00	0.00
8	3.24	0.00	0.00	0.00	0.00	0.00	0.00	9	3.24	0.00	0.00	0.00	0.00	0.00	0.00
9	3.24	0.00	0.00	0.00	0.00	0.00	0.00	10	3.24	0.00	0.00	0.00	0.00	0.00	0.00
1	3.95	0.00	0.00	0.00	0.00	0.00	0.00	2	3.95	0.00	0.00	0.00	0.00	0.00	0.00
2	3.95	0.00	0.00	0.00	0.00	0.00	0.00	3	3.95	0.00	0.00	0.00	0.00	0.00	0.00
3	3.95	0.00	0.00	0.00	0.00	0.00	0.00	4	3.95	0.00	0.00	0.00	0.00	0.00	0.00
4	3.95	0.00	0.00	0.00	0.00	0.00	0.00	5	3.95	0.00	0.00	0.00	0.00	0.00	0.00
20	3.83	0.00	0.00	0.00	0.00	0.00	0.00	6	3.24	0.00	0.00	0.00	0.00	0.00	0.00
6	3.24	0.00	0.00	0.00	0.00	0.00	0.00	1	3.95	0.00	0.00	0.00	0.00	0.00	0.00
1	3.95	0.00	0.00	0.00	0.00	0.00	0.00	12	4.68	0.00	0.00	0.00	0.00	0.00	0.00
21	3.83	0.00	0.00	0.00	0.00	0.00	0.00	7	3.24	0.00	0.00	0.00	0.00	0.00	0.00
7	3.24	0.00	0.00	0.00	0.00	0.00	0.00	2	3.95	0.00	0.00	0.00	0.00	0.00	0.00
2	3.95	0.00	0.00	0.00	0.00	0.00	0.00	13	4.68	0.00	0.00	0.00	0.00	0.00	0.00
22	3.83	0.00	0.00	0.00	0.00	0.00	0.00	8	3.24	0.00	0.00	0.00	0.00	0.00	0.00
8	3.24	0.00	0.00	0.00	0.00	0.00	0.00	3	3.95	0.00	0.00	0.00	0.00	0.00	0.00
3	3.95	0.00	0.00	0.00	0.00	0.00	0.00	14	4.68	0.00	0.00	0.00	0.00	0.00	0.00
23	3.83	0.00	0.00	0.00	0.00	0.00	0.00	9	3.24	0.00	0.00	0.00	0.00	0.00	0.00
9	3.24	0.00	0.00	0.00	0.00	0.00	0.00	4	3.95	0.00	0.00	0.00	0.00	0.00	0.00
4	3.95	0.00	0.00	0.00	0.00	0.00	0.00	15	4.68	0.00	0.00	0.00	0.00	0.00	0.00
24	3.83	0.00	0.00	0.00	0.00	0.00	0.00	10	3.24	0.00	0.00	0.00	0.00	0.00	0.00
10	3.24	0.00	0.00	0.00	0.00	0.00	0.00	5	3.95	0.00	0.00	0.00	0.00	0.00	0.00
5	3.95	0.00	0.00	0.00	0.00	0.00	0.00	16	4.68	0.00	0.00	0.00	0.00	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	Spostam. Calcolo (mm)	Spostam. Limite (mm)	Sisma Nro	Spostam. Calcolo (mm)	Spostam. Limite (mm)	Stringa di Controllo Verifica
1	0.00	3.95	1	15	1	3.020	19.750	1	2.499	7.900	VERIFICATO
2	0.00	3.95	2	16	2	2.720	19.750	2	2.280	7.900	VERIFICATO
3	0.00	3.95	3	17	2	3.056	19.750	2	2.567	7.900	VERIFICATO
4	0.00	3.95	4	18	2	2.874	19.750	2	2.409	7.900	VERIFICATO
5	0.00	3.95	5	19	1	2.813	19.750	1	2.328	7.900	VERIFICATO
6	0.00	3.24	6	20	2	2.266	16.200	2	1.883	6.480	VERIFICATO
7	0.00	3.24	7	21	2	2.850	16.200	2	2.387	6.480	VERIFICATO
8	0.00	3.24	8	24	2	2.991	16.200	2	2.512	6.480	VERIFICATO
9	0.00	3.24	9	22	2	2.609	16.200	2	2.190	6.480	VERIFICATO
10	0.00	3.24	10	23	2	2.223	16.200	2	1.848	6.480	VERIFICATO

STAMPA PROGETTO S.L.V. - E.C. - FONDAZIONE

Filo Iniz Fin. Ctg⊖	Quota Iniz. Finale SgmT	Trat	Sez Bas Alt	Conc io	VERIFICA A PRESSO-FLESSIONE									V E R I F I C A A T A G L I O E T O R S I O N E												
					Co Nr	AlfaX	M Exd kN10m	N Ed kN*10	x/d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	Co Nr	V Exd kN*10	V Eyd kN*10	T Sdu kN*10	V Rxd kN*10	V Ryd kN*10	TRd kN*10	TRld kN10m	Coe Cls	Coe Sta	ALon cmq	staffe Pass	staffe Lun
1	0.00		1	1 4	1.10	-1.8	0.0	21	2	1	5.9	5.9	4	0.0	1.5	0.0	20.0	38.7	13.4	0.0	3	4	0.0	16	70
2	0.00		40	3 1	1.10	2.4	0.0	21	3	1	5.9	5.9	4	0.0	1.7	0.0	20.0	38.7	13.4	0.0	4	4	0.0	16	59
2.5	0.49		74	5 1	1.10	2.4	0.0	21	3	1	5.9	5.9	1	0.0	2.0	0.0	20.0	38.7	13.4	0.0	4	5	0.0	16	70
2	0.00		1	1 1	1.10	2.7	0.0	21	3	1	5.9	5.9	1	0.0	-1.1	0.0	20.0	38.7	13.4	0.0	3	3	0.0	16	70
3	0.00		40	3 1	1.10	3.6	0.0	21	4	1	5.9	5.9	4	0.0	1.6	0.0	20.0	38.7	13.4	0.0	3	4	0.0	16	52
2.5	0.52		74	5 1	1.10	3.6	0.0	21	4	1	5.9	5.9	5	0.0	2.4	0.0	20.0	38.7	13.4	0.0	5	6	0.0	16	70
3	0.00		1	1 1	1.10	4.0	0.0	21	5	1	5.9	5.9	1	0.0	-2.9	0.0	20.0	38.7	13.4	0.0	6	7	0.0	16	70
4	0.00		40	3 1	1.10	4.0	0.0	21	5	1	5.9	5.9	0	0.0	0.0	0.0	20.0	38.7	13.4	0.0	0	0	0.0	16	0
2.5	0.52		74	5 4	1.10	2.5	0.0	21	3	1	5.9	5.9	5	0.0	1.2	0.0	20.0	38.7	13.4	0.0	3	3	0.0	16	132
4	0.00		1	1 1	1.10	2.4	0.0	21	3	1	5.9	5.9	1	0.0	-2.6	0.0	20.0	38.7	13.4	0.0	5	6	0.0	16	70
5	0.00		40	3 1	1.10	2.4	0.0	21	3	1	5.9	5.9	1	0.0	-1.8	0.0	20.0	38.7	13.4	0.0	4	4	0.0	16	50
2.5	0.49		74	5 2	1.10	-1.8	0.0	21	2	1	5.9	5.9	2	0.0	-1.8	0.0	20.0	38.7	13.4	0.0	3	4	0.0	16	70
6	0.00		1	1 1	1.10	2.8	0.0	21	3	1	5.9	5.9	7	0.0	1.0	1.1	44.3	46.3	5.8	1.2	22	11	3.4	16	40
7	0.00		40	3 1	1.10	2.8	0.0	21	3	1	5.9	5.9	0	0.0	0.0	0.0	20.0	38.7	13.4	0.0	0	0	0.0	16	0
2.5	0.42		74	5 1	1.10	2.8	0.0	21	3	1	5.9	5.9	7	0.0	1.1	1.2	44.3	46.3	5.8	1.2	23	11	3.5	16	40
7	0.00		1	1 1	1.10	3.1	0.0	21	4	1	5.9	5.9	7	0.0	-0.8	-1.0	44.3	46.3	5.8	1.0	18	9	2.8	16	51
8	0.00		40	3 1	1.10	3.1	0.0	21	4	1	5.9	5.9	0	0.0	0.0	0.0	20.0	38.7	13.4	0.0	0	0	0.0	16	0
2.5	0.44		74	5 1	1.10	3.0	0.0	21	4	1	5.9	5.9	7	0.0	-0.3	-0.9	44.3	46.3	5.8	0.9	16	9	2.7	16	51
8	0.00		1	1 1	1.10	3.1	0.0	21	4	1	5.9	5.9	9	0.0	0.4	0.9	44.3	46.3	5.8	0.9	16	9	2.6	16	52
9	0.00		40	3 1	1.10	3.1	0.0	21	4	1	5.9	5.9	0	0.0	0.0	0.0	20.0	38.7	13.4	0.0	0	0	0.0	16	0
2.5	0.44		74	5 1	1.10	2.8	0.0	21	3	1	5.9	5.9	9	0.0	0.8	0.9	44.3	46.3	5.8	0.9	18	9	2.7	16	52
9	0.00		1	1 1	1.10	2.7	0.0	21	3	1	5.9	5.9	9	0.0	-1.1	-1.2	44.3	46.3	5.8	1.2	23	12	3.6	16	38
10	0.00		40	3 1	1.10	2.7	0.0	21	3	1	5.9	5.9	0	0.0	0.0	0.0	20.0	38.7	13.4	0.0	0	0	0.0	16	0
2.5	0.42		74	5 9	1.10	1.8	0.0	21	2	1	5.9	5.9	9	0.0	-1.1	-1.2	44.3	46.3	5.8	1.2	23	11	3.5	16	38
18	0.00		1	1 1	1.10	0.2	0.0	21	0	0	5.9	5.9	1	0.0	0.4	0.0	20.0	38.7	13.4	0.0	1	1	0.0	16	17
6	0.00		40	3 1	1.10	0.2	0.0	21	0	0	5.9	5.9	0	0.0	0.0	0.0	20.0	38.7	13.4	0.0	0	0	0.0	16	0
2.5	0.44		74	5 1	1.10	0.2	0.0	21	0	0	5.9	5.9	1	0.0	0.8	0.0	20.0	38.7	13.4	0.0	2	2	0.0	16	17
10	0.00		1	1 1	1.10	0.2	0.0	21	0	0	5.9	5.9	1	0.0	-1.2	0.0	20.0	38.7	13.4	0.0	2	3	0.0	16	18
19	0.00		40	3 1	1.10	0.2	0.0	21	0	0	5.9	5.9	0	0.0	0.0	0.0	20.0	38.7	13.4	0.0	0	0	0.0	16	0
2.5	0.44		74	5 1	1.10	0.2	0.0	21	0	0	5.9	5.9	1	0.0	-0.5	0.0	20.0	38.7	13.4	0.0	1	1	0.0	16	18
11	0.00		1	1 1	1.10	0.1	0.0	21	0	0	5.9	5.9	1	0.0	0.4	0.0	20.0	38.7	13.4	0.0	0	1	0.0	16	17
1	0.00		40	3 1	1.10	0.1	0.0	21	0	0	5.9	5.9	0	0.0	0.0	0.0	20.0	38.7	13.4	0.0	0	0	0.0	16	0
2.5	0.35		74	5 1	1.10	0.1	0.0	21	0	0	5.9	5.9	1	0.0	0.8	0.0	20.0	38.7	13.4	0.0	1	2	0.0	16	17
5	0.00		1	1 1	1.10	0.2	0.0	21	0	0	5.9	5.9	1	0.0	-1.0	0.0	20.0	38.7	13.4	0.0	2	2	0.0	16	18

17	0.00	40	3	1	1.10	0.2	0.0	21	0	0	5.9	5.9	0	0.0	0.0	0.0	20.0	38.7	13.4	0.0	0	0	0.0	16	0
2.5	0.35	74	5	1	1.10	0.2	0.0	21	0	0	5.9	5.9	1	0.0	-0.4	0.0	20.0	38.7	13.4	0.0	0	1	0.0	16	18
3	0.00	11	1	7	1.10	-3.3	0.0	24	3	1	5.9	5.9	7	0.0	1.6	0.0	20.0	38.7	17.7	0.0	3	4	0.0	16	70
8	0.00	40	3	8	1.10	2.3	0.0	23	3	1	5.9	5.9	7	0.0	1.6	0.0	20.0	38.7	17.7	0.0	3	4	0.0	16	416
2.5	0.52	74	5	7	1.10	2.1	0.0	23	3	1	5.9	5.9	8	0.0	-2.0	0.0	20.0	38.7	17.7	0.0	4	5	0.0	16	70
1	0.00	11	1	8	1.10	1.6	0.0	23	2	1	5.9	5.9	1	0.0	-2.6	0.0	20.0	38.7	17.7	0.0	5	6	0.0	16	70
6	0.00	40	3	4	1.10	-3.4	0.0	24	3	1	5.9	5.9	1	0.0	-1.8	0.0	20.0	38.7	17.7	0.0	4	4	0.0	16	408
2.5	0.40	74	5	7	1.10	3.0	0.0	23	4	1	5.9	5.9	1	0.0	2.4	0.0	20.0	38.7	17.7	0.0	5	6	0.0	16	70
10	0.00	11	1	9	1.10	3.0	0.0	23	4	1	5.9	5.9	1	0.0	-2.8	0.0	20.0	38.7	17.7	0.0	6	7	0.0	16	70
5	0.00	40	3	1	1.10	-3.5	0.0	24	3	1	5.9	5.9	1	0.0	-1.6	0.0	20.0	38.7	17.7	0.0	4	4	0.0	16	408
2.5	0.40	74	5	6	1.10	1.6	0.0	23	2	1	5.9	5.9	1	0.0	2.7	0.0	20.0	38.7	17.7	0.0	6	7	0.0	16	70

STAMPA PROGETTO S.L.V. - E.C. - PILASTRI

Filo Iniz	Quota Iniz.	Tr	Sez	Co	VERIFICA A PRESSO-FLESSIONE									VERIFICA A TAGLIO E TORSIONE											
Fin.	Finale	a	Bas	nc	Co	M Exd	M Eyd	N Ed	x/	εf%	εc%	Area	cmq	Co	V Exd	V Eyd	T Sdu	V Rxd	V Ryd	TRd	TRld	Coe	Coe	ALon	staffe
Ctgθ	N/Nc	t	Alt	io	Nr	(kN*10)*m		kN*10	/d	100	100	b	h	Nr	kN*10	kN*10	kN10m	kN*10	kN*10	(kN*10)*m		Cls	Sta	cmq	Pass Lun
1	0.00	3	1	4	1.2	-1.8	-1.4	11	8	4.4	4.2	4		0.4	0.3	0.0	16.3	16.3	1.7	0.0	4	2	0.0	12	132
1	3.95	30	3	4	0.7	-1.1	-1.1	7	4	4.3	4.2	4		0.4	0.3	0.0	16.3	16.3	1.7	0.0	4	3	0.0	19	218
2.5	0.01	30	5	1	0.0	0.0	-1.5	0	0	4.3	4.3	4		0.4	0.3	0.0	16.3	16.3	1.7	0.0	4	2	0.0	12	45
2	0.00	3	1	8	0.8	-1.2	-1.5	7	5	4.3	4.2	8		0.3	0.2	0.0	16.3	16.3	1.7	0.0	3	1	0.0	12	132
2	3.95	30	3	8	0.5	-0.7	-1.1	4	3	4.3	4.2	3		-0.4	0.1	0.0	12.3	12.3	1.1	0.0	2	3	0.0	19	218
2.5	0.01	30	5	1	0.0	0.0	-2.1	0	0	4.3	4.3	8		0.3	0.2	0.0	16.3	16.3	1.7	0.0	3	1	0.0	12	45

STAMPA PROGETTO S.L.V. - E.C. - PILASTRI

Filo Iniz	Quota Iniz.	Tr	Sez	Co	VERIFICA A PRESSO-FLESSIONE									VERIFICA A TAGLIO E TORSIONE											
Fin.	Finale	a	Bas	nc	Co	M Exd	M Eyd	N Ed	x/	εf%	εc%	Area	cmq	Co	V Exd	V Eyd	T Sdu	V Rxd	V Ryd	TRd	TRld	Coe	Coe	ALon	staffe
Ctgθ	N/Nc	t	Alt	io	Nr	(kN*10)*m		kN*10	/d	100	100	b	h	Nr	kN*10	kN*10	kN10m	kN*10	kN*10	(kN*10)*m		Cls	Sta	cmq	Pass Lun
3	0.00	3	1	9	-1.7	-1.0	-1.9	10	7	4.3	4.2	3		-0.3	-0.3	0.0	16.3	16.3	1.7	0.0	4	1	0.0	12	132
3	3.95	30	3	9	-1.0	-0.6	-1.5	6	4	4.3	4.2	3		-0.3	-0.3	0.0	16.3	16.3	1.7	0.0	4	2	0.0	19	218
2.5	0.02	30	5	1	0.1	0.1	-2.5	0	0	4.3	4.3	3		-0.3	-0.3	0.0	16.3	16.3	1.7	0.0	4	1	0.0	12	45
4	0.00	3	1	6	0.8	1.2	-1.5	7	5	4.2	4.3	6		-0.3	0.2	0.0	16.3	16.3	1.7	0.0	3	1	0.0	12	132
4	3.95	30	3	6	0.5	0.7	-1.1	4	3	4.2	4.3	2		-0.4	0.0	0.0	12.3	12.3	1.1	0.0	2	3	0.0	19	218
2.5	0.01	30	5	1	0.0	0.0	-2.1	0	0	4.3	4.3	6		-0.3	0.2	0.0	16.3	16.3	1.7	0.0	3	1	0.0	12	45
5	0.00	3	1	2	1.2	1.8	-1.4	11	8	4.2	4.3	2		-0.4	0.3	0.0	16.3	16.3	1.7	0.0	4	2	0.0	12	132
5	3.95	30	3	2	0.7	1.1	-1.1	7	4	4.2	4.3	2		-0.4	0.3	0.0	16.3	16.3	1.7	0.0	4	3	0.0	19	218
2.5	0.01	30	5	1	0.0	0.0	-1.5	0	0	4.3	4.3	2		-0.4	0.3	0.0	16.3	16.3	1.7	0.0	4	2	0.0	12	45
6	0.00	3	1	7	-2.1	0.8	-0.8	12	7	4.3	4.2	3		-0.3	-0.6	0.0	16.2	16.2	1.7	0.0	5	2	0.0	12	108
6	3.24	30	3	7	-1.3	0.5	-0.5	7	4	4.3	4.2	3		-0.3	-0.6	0.0	16.2	16.2	1.7	0.0	5	4	0.0	19	171
2.5	0.01	30	5	3	0.0	0.0	-0.1	0	0	4.3	4.3	3		-0.3	-0.6	0.0	16.2	16.2	1.7	0.0	5	2	0.0	12	45
7	0.00	3	1	8	1.6	-0.9	-2.1	9	6	4.3	4.2	4		0.3	0.3	0.0	16.4	16.4	1.7	0.0	4	1	0.0	12	108
7	3.24	30	3	8	1.0	-0.6	-1.8	5	4	4.3	4.2	4		0.3	0.3	0.0	16.4	16.4	1.7	0.0	4	2	0.0	19	171
2.5	0.02	30	5	1	0.1	0.1	-3.7	0	0	4.3	4.3	4		0.3	0.3	0.0	16.4	16.4	1.7	0.0	4	1	0.0	12	45
9	0.00	3	1	6	1.6	0.9	-2.1	9	6	4.3	4.2	2		-0.3	0.3	0.0	16.4	16.4	1.7	0.0	4	1	0.0	12	108
9	3.24	30	3	6	1.0	0.6	-1.8	5	4	4.3	4.2	2		-0.3	0.3	0.0	16.4	16.4	1.7	0.0	4	2	0.0	19	171
2.5	0.02	30	5	1	0.1	0.1	-3.7	0	0	4.3	4.3	2		-0.3	0.3	0.0	16.4	16.4	1.7	0.0	4	1	0.0	12	45
10	0.00	3	1	9	-2.1	-0.8	-0.8	12	7	4.2	4.3	5		0.3	-0.6	0.0	16.2	16.2	1.7	0.0	5	2	0.0	12	108
10	3.24	30	3	9	-1.3	-0.5	-0.5	7	4	4.2	4.3	5		0.3	-0.6	0.0	16.2	16.2	1.7	0.0	5	4	0.0	19	171
2.5	0.01	30	5	1	0.0	0.0	0.0	0	0	4.3	4.3	5		0.3	-0.6	0.0	16.2	16.2	1.7	0.0	5	2	0.0	12	45

STAMPA PROGETTO S.L.V. - E.C. - LEGNO

Mat. N.ro	Comb N.ro	Classe durata di riferimento	fmd kg/cmq	fcd kg/cmq	ftd kg/cmq	fvd kg/cmq
101	0	Permanente	144.0	126.0	84.0	13.2
	1	Media Durata	192.0	168.0	112.0	17.6
	2	Istantaneo	264.0	231.0	154.0	24.2
	3	Istantaneo	264.0	231.0	154.0	24.2
	4	Istantaneo	264.0	231.0	154.0	24.2
	5	Istantaneo	264.0	231.0	154.0	24.2
	6	Istantaneo	264.0	231.0	154.0	24.2
	7	Istantaneo	264.0	231.0	154.0	24.2
	8	Istantaneo	264.0	231.0	154.0	24.2
	9	Istantaneo	264.0	231.0	154.0	24.2

VERIFICHE ASTE IN LEGNO

DATI DI ASTA	Fili N.ro	Quota (m)	Trat to	Cmb N.r	N Sd (daN)	MxSd (daN*m)	MySd (daN*m)	VxSd (daN)	VySd (daN)	T Sd (daN*m)	σn	σMx	σMy	τx (daN/cmq)	τy	τMt	Rapp. Fless	Rapp. Taglio
Sez.N.936	6	3.24		1	-95	-262	-41	-137	-834	-110	0	7	2	0	2	6	0.06	0.58
Leg18x36	qn=	-186		1	-100	-615	5	-94	-943	-110	0	16	0	0	2	6	0.11	0.60
Asta: 25	7	3.24		1	-105	-1012	35	-52	-1052	-110	0	26	2	0	2	6	0.18	0.61
Instab.:l= 79.6	ß*l=	55.7		0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.33					0.01	0.27	cm
Sez.N.936	7	3.24		1	-144	-987	25	-115	1110	12	0	25	1	0	3	1	0.18	0.25
Leg18x36	qn=	-186		1	-162	-459	70	-63	971	12	0	12	4	0	2	1	0.10	0.22
Asta: 26	8	3.24		1	-181	-1	89	-11	832	12	0	0	5	0	2	1	0.03	0.19
Instab.:l= 101.5	ß*l=	71.1		0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.41					0.02	0.34	cm
Sez.N.936	8	3.24		9	-98	84	-245	-170	-289	-4	0	2	13	0	1	0	0.05	0.05
Leg18x36	qn=	-186		1	-214	-430	54	137	-938	-10	0	11	3	0	2	1	0.09	0.22
Asta: 27	9	3.24		1	-240	-982	-35	190	-1087	-10	0	25	2	0	3	1	0.18	0.26
Instab.:l= 104.2	ß*l=	72.9		0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.69					0.04	0.35	cm
Sez.N.936	9	3.24		1	-125	-998	11	65	1060	116	0	26	1	0	2	6	0.18	0.63
Leg18x36	qn=	-186		1	-151	-612	-21	98	955	116	0	16	1	0	2	6	0.11	0.62
Asta: 28	10	3.24		1	-177	-266	-64	130	850	116	0	7	3	0	2	6	0.06	0.61
Instab.:l= 76.6	ß*l=	53.6		0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.65					0.01	0.26	cm

Sez.N.936	1	3.95	1	-12	-52	-20	-184	499	40	0	1	1	0	1	2	0.01	0.27
Leg18x36	qn=	-186	1	-31	285	61	4	252	40	0	7	3	0	1	2	0.06	0.20
Asta: 29	2	3.95	1	-54	397	-70	234	-49	40	0	10	4	1	0	2	0.09	0.20
Instab.:l= 199.9	ß*l= 139.9			-54	397	-70	lrx=0.20	lry=0.41	Rx=0.00		Ry=0.07	Wmax/rel/lim=0.65			0.03		0.67 cm
Sez.N.936	2	3.95	1	-23	413	-81	-219	185	-1	0	11	4	1	0	0	0.09	0.07
Leg18x36	qn=	-186	1	-67	475	23	-77	-10	-1	0	12	1	0	0	0	0.09	0.02
Asta: 30	3	3.95	1	-143	260	-32	167	-343	-1	0	7	2	0	1	0	0.05	0.09
Instab.:l= 192.4	ß*l= 134.7			-23	413	-81	lrx=0.20	lry=0.39	Rx=0.00		Ry=0.08	Wmax/rel/lim=0.73			0.03		0.64 cm
Sez.N.936	3	3.95	1	-14	266	-5	-142	351	0	0	7	0	0	1	0	0.05	0.09
Leg18x36	qn=	-186	1	-91	458	50	5	134	0	0	12	3	0	0	0	0.09	0.02
Asta: 31	4	3.95	1	-212	415	-98	234	-204	0	0	11	5	1	0	0	0.10	0.08
Instab.:l= 202.8	ß*l= 141.9			-212	415	-98	lrx=0.21	lry=0.41	Rx=0.00		Ry=0.09	Wmax/rel/lim=0.68			0.04		0.68 cm
Sez.N.936	4	3.95	1	4	392	-35	-143	26	-43	0	10	2	0	0	2	0.08	0.19
Leg18x36	qn=	-186	1	-117	304	28	3	-222	-43	0	8	1	0	1	2	0.06	0.20
Asta: 32	5	3.95	1	-252	-57	-56	165	-497	-43	0	1	3	0	1	2	0.03	0.28
Instab.:l= 190.7	ß*l= 133.5			-46	312	-13	lrx=0.19	lry=0.39	Rx=0.00		Ry=0.06	Wmax/rel/lim=0.58			0.03		0.64 cm
Sez.N.935	20	3.83	7	-13	0	0	15	8	0	0	0	0	0	0	0	0.00	0.00
Leg16x32	qn=	-97	1	-42	-24	0	0	-80	0	0	1	0	0	0	0	0.01	0.02
Asta: 33	6	3.24	1	-80	-88	0	0	-154	0	0	3	0	0	0	0	0.02	0.03
Instab.:l= 113.5	ß*l= 79.4			0	0	0	lrx=0.00	lry=0.00	Rx=0.00		Ry=0.00	Wmax/rel/lim=0.22			0.01		0.38 cm
Sez.N.935	6	3.24	1	-98	-60	31	11	649	-3	0	2	2	0	2	0	0.03	0.16
Leg16x32	qn=	-167	1	-12	829	-1	11	-12	-3	0	30	0	0	0	0	0.21	0.02
Asta: 34	1	3.95	1	71	-92	-32	11	-660	-3	0	3	2	0	2	0	0.04	0.16
Instab.:l= 553.3	ß*l= 387.3			-12	829	-1	lrx=0.63	lry=1.26	Rx=0.21		Ry=0.14	Wmax/rel/lim=0.61			0.49		1.84 cm
Sez.N.935	1	3.95	1	-228	-128	0	0	240	0	0	5	0	0	1	0	0.03	0.05
Leg16x32	qn=	-160	1	-145	-52	0	0	153	0	0	2	0	0	0	0	0.01	0.03
Asta: 35	12	4.68	1	-62	-9	0	0	65	0	0	0	0	0	0	0	0.00	0.01
Instab.:l= 77.2	ß*l= 54.1			0	0	0	lrx=0.00	lry=0.00	Rx=0.00		Ry=0.00	Wmax/rel/lim=0.45			0.01		0.26 cm
Sez.N.935	21	3.83	6	19	0	0	-25	-10	0	0	0	0	0	0	0	0.00	0.00
Leg16x32	qn=	-177	1	-77	-45	0	0	-150	0	0	2	0	0	0	0	0.01	0.03
Asta: 36	7	3.24	1	-148	-166	0	0	-288	0	0	6	0	0	1	0	0.04	0.06
Instab.:l= 115.4	ß*l= 80.8			0	0	0	lrx=0.00	lry=0.00	Rx=0.00		Ry=0.00	Wmax/rel/lim=0.59			0.03		0.38 cm
Sez.N.935	7	3.24	1	-412	-139	16	4	1176	-1	1	5	1	0	3	0	0.04	0.26
Leg16x32	qn=	-304	1	-259	1461	4	4	-16	-1	1	54	0	0	0	0	0.36	0.01
Asta: 37	2	3.95	1	-103	-288	-8	4	-1229	-1	0	11	1	0	4	0	0.07	0.27
Instab.:l= 557.0	ß*l= 389.9			-259	1461	4	lrx=0.64	lry=1.27	Rx=0.37		Ry=0.26	Wmax/rel/lim=1.03			0.84		1.86 cm
Sez.N.935	2	3.95	1	-433	-230	0	0	441	0	1	8	0	0	1	0	0.06	0.10
Leg16x32	qn=	-298	1	-278	-95	0	0	283	0	1	3	0	0	1	0	0.02	0.06
Asta: 38	13	4.68	1	-123	-19	0	0	126	0	0	1	0	0	0	0	0.00	0.03
Instab.:l= 74.5	ß*l= 52.2			0	0	0	lrx=0.00	lry=0.00	Rx=0.00		Ry=0.00	Wmax/rel/lim=0.69			0.01		0.25 cm
Sez.N.935	22	3.83	3	-20	0	0	-34	9	0	0	0	0	0	0	0	0.00	0.01
Leg16x32	qn=	-171	1	-72	-61	0	0	-172	0	0	2	0	0	1	0	0.02	0.04
Asta: 39	8	3.24	1	-143	-243	0	0	-343	0	0	9	0	0	1	0	0.06	0.07
Instab.:l= 141.5	ß*l= 99.1			-143	-243	0	lrx=0.16	lry=0.32	Rx=0.00		Ry=0.04	Wmax/rel/lim=0.40			0.03		0.47 cm
Sez.N.935	8	3.24	1	-275	-262	-21	-6	1206	0	1	10	2	0	4	0	0.07	0.26
Leg16x32	qn=	-303	1	-121	1429	-3	-6	-1	0	0	52	0	0	0	0	0.36	0.00
Asta: 40	3	3.95	1	33	-269	15	-6	-1208	0	0	10	1	0	4	0	0.07	0.26
Instab.:l= 561.3	ß*l= 392.9			-121	1429	-3	lrx=0.64	lry=1.28	Rx=0.36		Ry=0.25	Wmax/rel/lim=1.07			0.83		1.87 cm
Sez.N.935	3	3.95	1	-420	-225	0	0	431	0	1	8	0	0	1	0	0.06	0.09
Leg16x32	qn=	-290	1	-270	-93	0	0	276	0	1	3	0	0	1	0	0.02	0.06
Asta: 41	14	4.68	1	-119	-18	0	0	122	0	0	1	0	0	0	0	0.00	0.03
Instab.:l= 75.0	ß*l= 52.5			0	0	0	lrx=0.00	lry=0.00	Rx=0.00		Ry=0.00	Wmax/rel/lim=0.92			0.01		0.25 cm
Sez.N.935	23	3.83	7	-19	0	0	-25	10	0	0	0	0	0	0	0	0.00	0.00
Leg16x32	qn=	-177	1	-77	-46	0	0	-151	0	0	2	0	0	0	0	0.01	0.03
Asta: 42	9	3.24	1	-148	-168	0	0	-289	0	0	6	0	0	1	0	0.04	0.06
Instab.:l= 115.8	ß*l= 81.1			0	0	0	lrx=0.00	lry=0.00	Rx=0.00		Ry=0.00	Wmax/rel/lim=0.47			0.03		0.39 cm
Sez.N.935	9	3.24	1	-337	-151	-55	-17	1177	1	1	6	4	0	3	0	0.06	0.26
Leg16x32	qn=	-304	1	-184	1453	-7	-17	-15	1	0	53	1	0	0	0	0.36	0.01
Asta: 43	4	3.95	1	-29	-297	42	-17	-1230	1	0	11	3	0	4	0	0.09	0.28
Instab.:l= 557.4	ß*l= 390.2			-184	1453	-7	lrx=0.64	lry=1.27	Rx=0.37		Ry=0.26	Wmax/rel/lim=1.05			0.85		1.86 cm
Sez.N.935	4	3.95	1	-436	-234	0	0	447	0	1	9	0	0	1	0	0.06	0.10
Leg16x32	qn=	-301	1	-279	-96	0	0	287	0	1	4	0	0	1	0	0.02	0.06
Asta: 44	15	4.68	1	-123	-19	0	0	126	0	0	1	0	0	0	0	0.00	0.03
Instab.:l= 75.1	ß*l= 52.6			0	0	0	lrx=0.00	lry=0.00	Rx=0.00		Ry=0.00	Wmax/rel/lim=1.11			0.01		0.25 cm
Sez.N.935	24	3.83	7	-7	0	0	-15	4	0	0	0	0	0	0	0	0.00	0.00
Leg16x32	qn=	-96	1	-41	-24	0	0	-80	0	0	1	0	0	0	0	0.01	0.02
Asta: 45	10	3.24	1	-79	-87	0	0	-153	0	0	3	0	0	0	0	0.02	0.03
Instab.:l= 114.0	ß*l= 79.8			0	0	0	lrx=0.00	lry=0.00	Rx=0.00		Ry=0.00	Wmax/rel/lim=0.49			0.03		0.38 cm
Sez.N.935	10	3.24	1	-74	-58	-51	-17	630	3	0	2	4	0	2	0	0.04	0.15
Leg16x32	qn=	-163	1	8	805	-5	-17	0	3	0	29	0	0	0	0	0.20	0.02
Asta: 46	5	3.95	1	91	-91	41	-17	-642	3	0	3	3	0	2	0	0.04	0.16
Instab.:l= 552.5	ß*l= 386.8			-39	324	-12	lrx=0.63	lry=1.26	Rx=0.05		Ry=0.04	Wmax/rel/lim=0.77			0.47		1.84 cm
Sez.N.935	5	3.95	1	-219	-129	0	0	238	0	0	5	0	0	1	0	0.03	0.05
Leg16x32	qn=	-156	1	-138	-51	0	0	150	0	0	2	0	0	0	0	0.01	0.03
Asta: 47	16	4.68	1	-57	-9	0	0	62	0	0	0	0	0	0	0	0.00	0.01
Instab.:l= 79.7	ß*l= 55.8			0	0	0	lrx=0.00	lry=0.00	Rx=0.00		Ry=0.00	Wmax/rel/lim=0.95			0.01		0.27 cm

STAMPA PROGETTO S.L.D. - E.C. - FONDAZIONE

Filo Iniz	Quota Iniz.	T			Co	VERIFICA A PRESSO-FLESSIONE										V E R I F I C A A T A G L I O E T O R S I O N E														
Fin. Ctg⊖	Finale	r a t	Sez Bas	Alt	nc io	Co Nr	AlfaX	M Exd kN10m	N Ed kN*10	x/ /d	εf% 100	εc% 100	Area sup	cmq inf	Co Nr	V Exd kN*10	V Eyd kN*10	T Sdu kN*10	V Rxd kN*10	V Ryd kN*10	TRd kN*10	TRld kN10m	Coe Cls	Coe Sta	ALon cmq	staffe Pass	Lun
1	0.00		1	1 4	1.00	-0.7	0.0	17	1	0	5.9	5.9	4		0.0	0.9	0.0	23.0	44.5	15.4	0.0	1	2	0.0	16	70
2	0.00		40	3 8	1.00	1.5	0.0	17	2	0	5.9	5.9	4		0.0	0.9	0.0	23.0	44.5	15.4	0.0	1	2	0.0	16	59
2.5			74	5 8	1.00	1.5	0.0	17	2	0	5.9	5.9	4		0.0	1.4	0.0	23.0	44.5	15.4	0.0	2	3	0.0	16	70
2	0.00		1	1 2	1.00	1.6	0.0	17	2	0	5.9	5.9	2		0.0	-0.6	0.0	23.0	44.5	15.4	0.0	1	1	0.0	16	70
3	0.00		40	3 8	1.00	2.4	0.0	17	3	1	5.9	5.9	4		0.0	0.9	0.0	23.0	44.5	15.4	0.0	1	2	0.0	16	52
2.5			74	5 8	1.00	2.4	0.0	17	3	1	5.9	5.9	5		0.0	1.8	0.0	23.0	44.5	15.4	0.0	2	4	0.0	16	70
3	0.00		1	1 6	1.00	2.4	0.0	17	3	1	5.9	5.9	3		0.0	-1.9	0.0	23.0	44.5	15.4	0.0	2	4	0.0	16	70
4	0.00		40	3 6	1.00	2.4	0.0	17	3	1	5.9	5.9	2		0.0	-1.1	0.0	23.0	44.5	15.4	0.0	1	2	0.0	16	0
2.5			74	5 4	1.00	1.6	0.0	17	2	0	5.9	5.9	2		0.0	-0.5	0.0	23.0	44.5	15.4	0.0	1	1	0.0	16	132
4	0.00		1	1 6	1.00	1.4	0.0	17	2	0	5.9	5.9	2		0.0	-1.4	0.0	23.0	44.5	15.4	0.0	1	3	0.0	16	70
5	0.00		40	3 6	1.00	1.4	0.0	17	2	0	5.9	5.9	2		0.0	-1.1	0.0	23.0	44.5	15.4	0.0	1	2	0.0	16	50
2.5			74	5 2	1.00	-0.7	0.0	17	1	0	5.9	5.9	2		0.0	-0.9	0.0	23.0	44.5	15.4	0.0	1	2	0.0	16	70
6	0.00		1	1 7	1.00	1.6	0.0	17	2	0	5.9	5.9	7		0.0	1.4	0.6	23.0	44.5	15.4	1.4	7	7	3.4	16	40

7	0.00	40	3	7	1.00	1.6	0.0	17	2	0	5.9	5.9	0	0.0	0.0	0.0	23.0	44.5	15.4	0.0	0	0	0.0	16	0
2.5		74	5	7	1.00	1.6	0.0	17	2	0	5.9	5.9	7	0.0	1.6	0.6	83.6	87.4	10.9	1.4	7	7	3.5	16	40
7	0.00	1	1	3	1.00	2.0	0.0	17	2	1	5.9	5.9	7	0.0	-0.3	-0.4	83.6	87.4	10.9	1.1	4	3	2.8	16	51
8	0.00	40	3	3	1.00	2.0	0.0	17	2	1	5.9	5.9	0	0.0	0.0	0.0	23.0	44.5	15.4	0.0	0	0	0.0	16	0
2.5		74	5	7	1.00	2.0	0.0	17	2	1	5.9	5.9	7	0.0	0.1	-0.4	83.6	87.4	10.9	1.1	3	3	2.7	16	51
8	0.00	1	1	7	1.00	2.0	0.0	17	2	1	5.9	5.9	9	0.0	-0.4	0.3	83.6	87.4	10.9	1.0	3	3	2.6	16	52
9	0.00	40	3	7	1.00	2.0	0.0	17	2	1	5.9	5.9	0	0.0	0.0	0.0	23.0	44.5	15.4	0.0	0	0	0.0	16	0
2.5		74	5	5	1.00	2.0	0.0	17	2	1	5.9	5.9	9	0.0	0.3	0.4	83.6	87.4	10.9	1.1	4	3	2.7	16	52
9	0.00	1	1	9	1.00	1.6	0.0	17	2	0	5.9	5.9	9	0.0	-1.6	-0.6	83.6	87.4	10.9	1.4	7	7	3.6	16	38
10	0.00	40	3	9	1.00	1.6	0.0	17	2	0	5.9	5.9	0	0.0	0.0	0.0	23.0	44.5	15.4	0.0	0	0	0.0	16	0
2.5		74	5	9	1.00	1.6	0.0	17	2	0	5.9	5.9	7	0.0	-1.6	-0.5	23.0	44.5	15.4	1.4	7	7	3.5	16	38
18	0.00	1	1	2	1.00	0.1	0.0	17	0	0	5.9	5.9	1	0.0	0.0	0.0	23.0	44.5	15.4	0.0	0	0	0.0	16	17
6	0.00	40	3	8	1.00	0.1	0.0	17	0	0	5.9	5.9	0	0.0	0.0	0.0	23.0	44.5	15.4	0.0	0	0	0.0	16	0
2.5		74	5	8	1.00	0.1	0.0	17	0	0	5.9	5.9	2	0.0	0.4	0.0	23.0	44.5	15.4	0.0	1	1	0.0	16	17
10	0.00	1	1	6	1.00	0.1	0.0	17	0	0	5.9	5.9	2	0.0	-0.7	0.0	23.0	44.5	15.4	0.0	1	1	0.0	16	18
19	0.00	40	3	6	1.00	0.1	0.0	17	0	0	5.9	5.9	0	0.0	0.0	0.0	23.0	44.5	15.4	0.0	0	0	0.0	16	0
2.5		74	5	6	1.00	0.1	0.0	17	0	0	5.9	5.9	1	0.0	0.0	0.0	23.0	44.5	15.4	0.0	0	0	0.0	16	18
11	0.00	1	1	4	1.00	0.1	0.0	17	0	0	5.9	5.9	1	0.0	0.0	0.0	23.0	44.5	15.4	0.0	0	0	0.0	16	17
1	0.00	40	3	4	1.00	0.1	0.0	17	0	0	5.9	5.9	0	0.0	0.0	0.0	23.0	44.5	15.4	0.0	0	0	0.0	16	0
2.5		74	5	4	1.00	0.1	0.0	17	0	0	5.9	5.9	2	0.0	0.5	0.0	23.0	44.5	15.4	0.0	1	1	0.0	16	17
5	0.00	1	1	2	1.00	0.1	0.0	17	0	0	5.9	5.9	2	0.0	-0.6	0.0	23.0	44.5	15.4	0.0	1	1	0.0	16	18
17	0.00	40	3	2	1.00	0.1	0.0	17	0	0	5.9	5.9	0	0.0	0.0	0.0	23.0	44.5	15.4	0.0	0	0	0.0	16	0
2.5		74	5	2	1.00	0.1	0.0	17	0	0	5.9	5.9	1	0.0	0.0	0.0	23.0	44.5	15.4	0.0	0	0	0.0	16	18
3	0.00	11	1	7	1.00	-1.6	0.0	19	1	0	5.9	5.9	7	0.0	1.4	0.0	23.0	44.5	20.3	0.0	1	3	0.0	16	70
8	0.00	40	3	7	1.00	1.7	0.0	19	2	0	5.9	5.9	2	0.0	1.0	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	416
2.5		74	5	7	1.00	1.6	0.0	19	2	0	5.9	5.9	4	0.0	-1.4	0.0	23.0	44.5	20.3	0.0	2	3	0.0	16	70
1	0.00	11	1	7	1.00	-1.4	0.0	19	1	0	5.9	5.9	4	0.0	-1.7	0.0	23.0	44.5	20.3	0.0	2	3	0.0	16	70
6	0.00	40	3	4	1.00	-2.2	0.0	19	2	0	5.9	5.9	2	0.0	0.9	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	408
2.5		74	5	7	1.00	1.1	0.0	19	1	0	5.9	5.9	4	0.0	1.8	0.0	23.0	44.5	20.3	0.0	2	4	0.0	16	70
10	0.00	11	1	9	1.00	1.2	0.0	19	1	0	5.9	5.9	2	0.0	-1.8	0.0	23.0	44.5	20.3	0.0	2	4	0.0	16	70
5	0.00	40	3	2	1.00	-2.2	0.0	19	2	0	5.9	5.9	2	0.0	-1.0	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	408
2.5		74	5	9	1.00	-1.3	0.0	19	1	0	5.9	5.9	2	0.0	1.4	0.0	23.0	44.5	20.3	0.0	2	3	0.0	16	70

STAMPA PROGETTO S.L.D. - E.C. - PILASTRI

Filo Iniz	Quota Iniz.	T r a t	Sez Bas	Co nc io	VERIFICA A PRESSO-FLESSIONE								V E R I F I C A A T A G L I O E T O R S I O N E											
Fin. Ctg⊖	Finale		Alt		Co Nr	M Exd (kN*10)*m	M Eyd	N Ed kN*10	x/ /d	εf% 100	εc% 100	Area cmq b h	Co Nr	V Exd kN*10	V Eyd kN*10	T Sdu kN10m	V Rxd kN*10	V Ryd kN*10	TRd (kN*10)*m	TRld	Coe Cls	Coe Sta	ALon cmq	staffe Pass	Lun
1	0.00	3	1	4	0.5	-0.7	-1.4	4	2	4.4	4.2	3	-0.1	-0.1	0.0	31.1	31.1	3.2	0.0	1	0	0.0	12	132
1	3.95	30	3	4	0.3	-0.5	-1.1	2	1	4.3	4.2	4	0.2	0.1	0.0	14.1	14.1	3.1	0.0	1	1	0.0	19	218
2.5		30	5	9	0.0	0.0	-0.6	0	0	4.3	4.3	3	-0.1	-0.1	0.0	31.1	31.1	3.2	0.0	1	0	0.0	12	45
2	0.00	3	1	8	0.4	-0.5	-1.5	2	2	4.3	4.2	2	-0.1	0.1	0.0	31.3	31.3	3.2	0.0	1	0	0.0	12	132
2	3.95	30	3	8	0.2	-0.3	-1.1	1	1	4.3	4.2	4	0.2	0.0	0.0	14.1	14.1	3.1	0.0	1	1	0.0	19	218
2.5		30	5	8	0.0	0.0	-0.6	0	0	4.3	4.3	2	-0.1	0.1	0.0	31.3	31.3	3.2	0.0	1	0	0.0	12	45
3	0.00	3	1	9	-0.8	-0.4	-1.8	3	2	4.3	4.2	2	-0.1	-0.1	0.0	31.4	31.4	3.2	0.0	1	0	0.0	12	132
3	3.95	30	3	9	-0.5	-0.2	-1.4	2	1	4.3	4.2	2	-0.1	-0.1	0.0	14.1	14.1	3.1	0.0	1	1	0.0	19	218
2.5		30	5	7	0.0	0.0	-0.9	0	0	4.3	4.3	2	-0.1	-0.1	0.0	31.4	31.4	3.2	0.0	1	0	0.0	12	45
4	0.00	3	1	6	0.4	0.5	-1.5	2	2	4.2	4.3	2	-0.2	0.0	0.0	31.3	31.3	3.2	0.0	1	0	0.0	12	132
4	3.95	30	3	6	0.2	0.3	-1.1	1	1	4.2	4.3	2	-0.2	0.0	0.0	14.1	14.1	3.1	0.0	1	1	0.0	19	218
2.5		30	5	6	0.0	0.0	-0.6	0	0	4.3	4.3	2	-0.2	0.0	0.0	31.3	31.3	3.2	0.0	1	0	0.0	12	45
5	0.00	3	1	2	0.5	0.8	-1.4	4	2	4.2	4.3	2	-0.2	0.1	0.0	31.1	31.1	3.2	0.0	1	0	0.0	12	132
5	3.95	30	3	2	0.3	0.5	-1.1	2	1	4.2	4.3	2	-0.2	0.1	0.0	14.1	14.1	3.1	0.0	1	1	0.0	19	218
2.5		30	5	7	0.0	0.0	-0.6	0	0	4.3	4.3	2	-0.2	0.1	0.0	31.1	31.1	3.2	0.0	1	0	0.0	12	45
6	0.00	3	1	7	-0.9	0.2	-0.8	4	2	4.3	4.2	3	-0.1	-0.3	0.0	30.7	30.7	3.2	0.0	1	1	0.0	12	108
6	3.24	30	3	7	-0.6	0.1	-0.5	3	1	4.3	4.2	7	-0.1	-0.3	0.0	14.1	14.1	3.1	0.0	1	2	0.0	19	171
2.5		30	5	3	0.0	0.0	-0.1	0	0	4.3	4.3	3	-0.1	-0.3	0.0	30.7	30.7	3.2	0.0	1	1	0.0	12	45
7	0.00	3	1	8	0.7	-0.4	-2.0	3	2	4.3	4.2	3	-0.1	-0.1	0.0	31.7	31.7	3.2	0.0	1	0	0.0	12	108
7	3.24	30	3	8	0.4	-0.3	-1.7	1	1	4.3	4.2	6	0.1	0.1	0.0	14.1	14.1	3.1	0.0	1	1	0.0	19	171
2.5		30	5	4	0.0	0.0	-1.3	0	0	4.3	4.3	3	-0.1	-0.1	0.0	31.7	31.7	3.2	0.0	1	0	0.0	12	45
9	0.00	3	1	6	0.7	0.4	-2.0	3	2	4.3	4.2	2	-0.1	0.1	0.0	31.7	31.7	3.2	0.0	1	0	0.0	12	108
9	3.24	30	3	6	0.4	0.3	-1.7	1	1	4.3	4.2	6	-0.1	0.2	0.0	14.1	14.1	3.1	0.0	1	1	0.0	19	171
2.5		30	5	2	0.0	0.0	-1.3	0	0	4.3	4.3	2	-0.1	0.1	0.0	31.7	31.7	3.2	0.0	1	0	0.0	12	45
10	0.00	3	1	9	-0.9	-0.2	-0.8	4	2	4.2	4.3	5	0.1	-0.3	0.0	30.7	30.7	3.2	0.0	1	1	0.0	12	108
10	3.24	30	3	9	-0.6	-0.1	-0.5	3	1	4.2	4.3	5	0.1	-0.3	0.0	30.7	30.7	3.2	0.0	1	1	0.0	19	171
2.5		30	5	5	0.0	0.0	-0.1	0	0	4.3	4.3	5	0.1	-0.3	0.0	30.7	30.7	3.2	0.0	1	1	0.0	12	45

STAMPA PROGETTO S.L.D. - E.C. - LEGNO

Mat. N.ro	Comb N.ro	Classe durata di riferimento	fmd kg/cmq	fcd kg/cmq	ftd kg/cmq	fvd kg/cmq
101	0	Permanente	144.0	126.0	84.0	13.2
	1	Media Durata	192.0	168.0	112.0	17.6
	2	Istantaneo	264.0	231.0	154.0	24.2
	3	Istantaneo	264.0	231.0	154.0	24.2
	4	Istantaneo	264.0	231.0	154.0	24.2
	5	Istantaneo	264.0	231.0	154.0	24.2
	6	Istantaneo	264.0	231.0	154.0	24.2
	7	Istantaneo	264.0	231.0	154.0	24.2
	8	Istantaneo	264.0	231.0	154.0	24.2
	9	Istantaneo	264.0	231.0	154.0	24.2

STAMPA PROGETTO S.L.D. - E.C. - LEGNO

VERIFICHE ASTE IN LEGNO

DATI DI ASTA	Fili N.ro	Quota (m)	Trat to	Cmb N.r	N Sd (daN)	MxSd (daN*m)	MySd (daN*m)	VxSd (daN)	VySd (daN)	T Sd (daN*m)	σn	σMx	σMy	τx (daN/cmq)	τy	τMt	Rapp. Fless	Rapp. Taglio
Sez.N.936	6	3.24	7		-11	-84	48	155	-270	-38	0	2	2	0	1	2	0.02	0.12
Leg18x36	qn=	-186	7		-11	-194	-16	155	-279	-38	0	5	1	0	1	2	0.02	0.12
Asta: 25	7	3.24	7		-11	-307	-81	155	-288	-38	0	8	4	0	1	2	0.04	0.12
Instab.:l= 79.6	ß*l=	55.7			0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00		Wmax/rel/lim=0.00			0.00	0.00	cm
Sez.N.936	7	3.24	4		-96	-348	-56	-79	352	4	0	9	3	0	1	0	0.04	0.05
Leg18x36	qn=	-186	4		-96	-162	-5	-79	341	4	0	4	0	0	1	0	0.02	0.05
Asta: 26	8	3.24	4		-96	18	45	-79	329	4	0	0	2	0	1	0	0.01	0.05
Instab.:l= 101.5	ß*l=	71.1			0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00		Wmax/rel/lim=0.00			0.00	0.00	cm
Sez.N.936	8	3.24	2		-97	18	45	81	-318	-3	0	0	2	0	1	0	0.01	0.05
Leg18x36	qn=	-186	2		-97	-152	-4	81	-329	-3	0	4	0	0	1	0	0.02	0.05
Asta: 27	9	3.24	2		-97	-345	-57	81	-342	-3	0	9	3	0	1	0	0.04	0.05
Instab.:l= 104.2	ß*l=	72.9			0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00		Wmax/rel/lim=0.00			0.00	0.00	cm
Sez.N.936	9	3.24	9		-11	-302	-77	-155	290	40	0	8	4	0	1	2	0.04	0.13
Leg18x36	qn=	-186	9		-11	-191	-15	-155	282	40	0	5	1	0	1	2	0.02	0.13
Asta: 28	10	3.24	9		-11	-85	48	-155	273	40	0	2	2	0	1	2	0.02	0.13
Instab.:l= 76.6	ß*l=	53.6			0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00		Wmax/rel/lim=0.00			0.00	0.00	cm
Sez.N.936	1	3.95	7		-12	-18	42	40	151	15	0	0	2	0	0	1	0.01	0.05
Leg18x36	qn=	-186	7		-12	123	2	40	129	15	0	3	0	0	0	1	0.01	0.05
Asta: 29	2	3.95	7		-12	242	-38	40	106	15	0	6	2	0	0	1	0.03	0.04
Instab.:l= 199.9	ß*l=	139.9			-12	242	-38	lrx=0.20	lry=0.41	Rx=0.00	Ry=0.02		Wmax/rel/lim=0.00			0.00	0.00	cm
Sez.N.936	2	3.95	3		-42	250	16	23	-58	0	0	6	1	0	0	0	0.03	0.01
Leg18x36	qn=	-186	7		-38	180	-14	21	-88	-1	0	5	1	0	0	0	0.02	0.01
Asta: 30	3	3.95	8		-68	141	27	-20	-54	0	0	4	1	0	0	0	0.02	0.01
Instab.:l= 192.4	ß*l=	134.7			-42	250	16	lrx=0.20	lry=0.39	Rx=0.00	Ry=0.02		Wmax/rel/lim=0.00			0.00	0.00	cm
Sez.N.936	3	3.95	6		-69	142	27	19	54	0	0	4	1	0	0	0	0.02	0.01
Leg18x36	qn=	-186	9		-38	182	-15	-20	86	0	0	5	1	0	0	0	0.02	0.01
Asta: 31	4	3.95	5		-41	255	15	-20	55	0	0	7	1	0	0	0	0.03	0.01
Instab.:l= 202.8	ß*l=	141.9			-41	255	15	lrx=0.21	lry=0.41	Rx=0.00	Ry=0.02		Wmax/rel/lim=0.00			0.00	0.00	cm
Sez.N.936	4	3.95	9		-10	244	-39	-43	-114	-16	0	6	2	0	0	1	0.03	0.05
Leg18x36	qn=	-186	9		-10	123	2	-43	-136	-16	0	3	0	0	0	1	0.01	0.05
Asta: 32	5	3.95	9		-10	-18	43	-43	-157	-16	0	0	2	0	0	1	0.01	0.05
Instab.:l= 190.7	ß*l=	133.5			-10	244	-39	lrx=0.19	lry=0.39	Rx=0.00	Ry=0.02		Wmax/rel/lim=0.00			0.00	0.00	cm
Sez.N.935	20	3.83	7		-5	0	0	6	3	0	0	0	0	0	0	0	0.00	0.00
Leg16x32	qn=	-97	8		-13	-12	4	-6	-37	0	0	0	0	0	0	0	0.00	0.01
Asta: 33	6	3.24	8		-29	-40	7	-6	-68	0	0	1	1	0	0	0	0.01	0.01
Instab.:l= 113.5	ß*l=	79.4			0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00		Wmax/rel/lim=0.00			0.00	0.00	cm
Sez.N.935	6	3.24	7		7	-21	-49	-16	257	-1	0	1	4	0	1	0	0.02	0.04
Leg16x32	qn=	-167	7		41	331	-6	-16	0	-1	0	12	0	0	0	0	0.05	0.01
Asta: 34	1	3.95	7		75	-36	38	-16	-262	-1	0	1	3	0	1	0	0.01	0.04
Instab.:l= 553.3	ß*l=	387.3			-2	332	4	lrx=0.63	lry=1.26	Rx=0.05	Ry=0.03		Wmax/rel/lim=0.00			0.00	0.00	cm
Sez.N.935	1	3.95	3		-83	-56	-10	-10	99	0	0	2	1	0	0	0	0.01	0.01
Leg16x32	qn=	-160	3		-50	-23	-5	-10	65	0	0	1	0	0	0	0	0.00	0.01
Asta: 35	12	4.68	3		-18	-4	0	-10	31	0	0	0	0	0	0	0	0.00	0.00
Instab.:l= 77.2	ß*l=	54.1			0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00		Wmax/rel/lim=0.00			0.00	0.00	cm
Sez.N.935	21	3.83	6		7	0	0	-9	-4	0	0	0	0	0	0	0	0.00	0.00
Leg16x32	qn=	-177	6		-23	-20	6	-9	-63	0	0	1	0	0	0	0	0.00	0.01
Asta: 36	7	3.24	6		-51	-70	12	-9	-117	0	0	3	1	0	0	0	0.01	0.02
Instab.:l= 115.4	ß*l=	80.8			0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00		Wmax/rel/lim=0.00			0.00	0.00	cm
Sez.N.935	7	3.24	7		51	-55	-47	-15	448	-1	0	2	3	0	1	0	0.02	0.06
Leg16x32	qn=	-304	7		109	557	-5	-15	-4	-1	0	20	0	0	0	0	0.08	0.00
Asta: 37	2	3.95	7		169	-101	38	-15	-464	-1	0	4	3	0	1	0	0.02	0.06
Instab.:l= 557.0	ß*l=	389.9			-49	559	3	lrx=0.64	lry=1.27	Rx=0.08	Ry=0.06		Wmax/rel/lim=0.00			0.00	0.00	cm
Sez.N.935	2	3.95	3		-153	-95	-17	-16	174	0	0	3	1	0	1	0	0.02	0.02
Leg16x32	qn=	-298	3		-96	-40	-8	-16	115	0	0	1	1	0	0	0	0.01	0.02
Asta: 38	13	4.68	3		-38	-7	0	-16	56	0	0	0	0	0	0	0	0.00	0.01
Instab.:l= 74.5	ß*l=	52.2			0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00		Wmax/rel/lim=0.00			0.00	0.00	cm
Sez.N.935	22	3.83	3		-7	0	0	-12	3	0	0	0	0	0	0	0	0.00	0.00
Leg16x32	qn=	-171	4		-21	-26	-9	12	-71	0	0	1	1	0	0	0	0.01	0.01
Asta: 39	8	3.24	4		-49	-100	-19	12	-138	0	0	4	1	0	0	0	0.02	0.02
Instab.:l= 141.5	ß*l=	99.1			-49	-100	-19	lrx=0.16	lry=0.32	Rx=0.00	Ry=0.02		Wmax/rel/lim=0.00			0.00	0.00	cm
Sez.N.935	8	3.24	5		-94	-104	33	11	461	0	0	4	2	0	1	0	0.02	0.06
Leg16x32	qn=	-303	5		-36	546	4	11	3	0	0	20	0	0	0	0	0.08	0.00
Asta: 40	3	3.95	5		22	-88	-26	11	-455	0	0	3	2	0	1	0	0.02	0.06
Instab.:l= 561.3	ß*l=	392.9			-36	546	4	lrx=0.64	lry=1.28	Rx=0.08	Ry=0.05		Wmax/rel/lim=0.00			0.00	0.00	cm
Sez.N.935	3	3.95	3		-150	-92	-13	-12	169	0	0	3	1	0	0	0	0.02	0.02
Leg16x32	qn=	-290	3		-93	-39	-6	-12	111	0	0	1	0	0	0	0	0.01	0.01
Asta: 41	14	4.68	3		-37	-7	0	-12	53	0	0	0	0	0	0	0	0.00	0.01
Instab.:l= 75.0	ß*l=	52.5			0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00		Wmax/rel/lim=0.00			0.00	0.00	cm
Sez.N.935	23	3.83	7		-7	0	0	-9	4	0	0	0	0	0	0	0	0.00	0.00
Leg16x32	qn=	-177	8		-23	-20	-6	9	-63	0	0	1	0	0	0	0	0.00	0.01
Asta: 42	9	3.24	8		-51	-70	-12	9	-117	0	0	3	1	0	0	0	0.01	0.02
Instab.:l= 115.8	ß*l=	81.1			0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00		Wmax/rel/lim=0.00			0.00	0.00	cm
Sez.N.935	9	3.24	9		50	-59	48	16	448	1	0	2	4	0	1	0	0.02	0.06
Leg16x32	qn=	-304	9		108	553	5	16	-4	1	0	20	0	0	0	0	0.08	0.00
Asta: 43	4	3.95	9		168	-107	-39	16	-465	1	0	4	3	0	1	0	0.02	0.06
Instab.:l= 557.4	ß*l=	390.2			-47	556	-3	lrx=0.64	lry=1.27	Rx=0.08	Ry=0.06		Wmax/rel/lim=0.00			0.00	0.00	cm
Sez.N.935	4	3.95	5		-154	-97	17	16	176	0	0	4	1	0	1	0	0.02	0.02
Leg16x32	qn=	-301	5		-96	-41	9	16	116	0	0	1	1	0	0	0	0.01	0.02
Asta: 44	15	4.68	5		-38	-7	0	16	56	0	0	0	0	0	0	0	0.00	0.01
Instab.:l= 75.1	ß*l=	52.6			0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00		Wmax/rel/lim=0.00			0.00	0.00	cm
Sez.N.935	24	3.83	7		-2	0	0	-5	2	0	0	0	0	0	0	0	0.00	0.00
Leg16x32	qn=	-96	8		-15	-11	-4	5	-35	0	0	0	0	0	0	0	0.00	0.00
Asta: 45	10	3.24	8		-31	-39	-7	5	-66	0	0	1	1	0	0	0	0.01	0.01
Instab.:l= 114.0	ß*l=	79.8			0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00		Wmax/rel/lim=0.00			0.00	0.00	cm
Sez.N.935	10	3.24	9		7	-20	49	16	250	1	0	1	4	0	1	0	0.02	0.04
Leg16x32	qn=	-163	9		40	322	6	16	-1	1	0	12	0	0	0	0	0.05	0.01
Asta: 46	5	3.95	9		73	-36	-38	16	-256	1	0	1	3	0	1	0	0.02	0.04
Instab.:l= 552.5	ß*l=	386.8			-2	323	-4	lrx=0.63	lry=1.26	Rx=0.05	Ry=0.03		Wmax/rel/lim=0.00			0.00	0.00	cm
Sez.N.935	5	3.95	5		-79	-56	10	10	98	0	0	2	1	0	0	0	0.01	0.01
Leg16x32	qn=	-156	5		-48	-23	5	10	64	0	0	1	0	0	0	0	0.00	0.01
Asta: 47	16	4.68	5		-17	-3	0	10	30	0	0	0	0	0	0	0	0.00	0.00
Instab.:l= 79.7	ß*l=	55.8			0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00		Wmax/rel/lim=0.00			0.00	0.00	cm

STAMPA VERIFICHE S.L.E. - E.C. - FONDAZIONE

			FESSURAZIONE										FRECCE			TENSIONI								
Filo N.ro	Quota (m)	Tra Nro	Combi Caric	Fessu. lim	mm cal	dist mm	Con cio	Com bin	Mf X (kN*10)*m	Mf Y (kN*10)*m	N kN*10		Frecce limite	mm calc	Com bin	Combinaz Carico	σ lim. -- daN/	σ cal. cmq --	Co nc	Comb	Mf X (kN*10)*m	Mf Y (kN*10)*m	N kN*10	
1	0.00		Rara													Rara cls	120.0	8.2	5	1	1.6	0.0	0.0	
2	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0					Rara fer	3600	399	5	1	1.6	0.0	0.0	
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0					Perm cls	90.0	5.8	5	1	1.1	0.0	0.0	
2	0.00		Rara													Rara cls	120.0	12.5	5	1	2.4	0.0	0.0	
3	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0					Rara fer	3600	609	5	1	2.4	0.0	0.0	
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0					Perm cls	90.0	10.8	5	1	2.1	0.0	0.0	
3	0.00		Rara													Rara cls	120.0	13.9	1	1	2.7	0.0	0.0	
4	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0					Rara fer	3600	676	1	1	2.7	0.0	0.0	
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0					Perm cls	90.0	10.8	1	1	2.1	0.0	0.0	
4	0.00		Rara													Rara cls	120.0	8.4	1	1	1.6	0.0	0.0	
5	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0					Rara fer	3600	407	1	1	1.6	0.0	0.0	
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0					Perm cls	90.0	5.7	1	1	1.1	0.0	0.0	
6	0.00		Rara													Rara cls	120.0	9.8	5	1	1.9	0.0	0.0	
7	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0					Rara fer	3600	475	5	1	1.9	0.0	0.0	
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0					Perm cls	90.0	7.5	5	1	1.5	0.0	0.0	
7	0.00		Rara													Rara cls	120.0	10.9	1	1	2.1	0.0	0.0	
8	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0					Rara fer	3600	527	1	1	2.1	0.0	0.0	
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0					Perm cls	90.0	9.9	5	1	1.9	0.0	0.0	
8	0.00		Rara													Rara cls	120.0	10.4	1	1	2.0	0.0	0.0	
9	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0					Rara fer	3600	504	1	1	2.0	0.0	0.0	
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0					Perm cls	90.0	9.9	1	1	1.9	0.0	0.0	
9	0.00		Rara													Rara cls	120.0	9.5	1	1	1.8	0.0	0.0	
10	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0					Rara fer	3600	461	1	1	1.8	0.0	0.0	
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0					Perm cls	90.0	7.4	1	1	1.4	0.0	0.0	
18	0.00		Rara													Rara cls	120.0	0.7	5	1	0.1	0.0	0.0	
6	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0					Rara fer	3600	33	5	1	0.1	0.0	0.0	
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0					Perm cls	90.0	0.5	5	1	0.1	0.0	0.0	
10	0.00		Rara													Rara cls	120.0	0.8	1	1	0.2	0.0	0.0	
19	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0					Rara fer	3600	38	1	1	0.2	0.0	0.0	
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0					Perm cls	90.0	0.6	1	1	0.1	0.0	0.0	
11	0.00		Rara													Rara cls	120.0	0.5	5	1	0.1	0.0	0.0	
1	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0					Rara fer	3600	25	5	1	0.1	0.0	0.0	
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0					Perm cls	90.0	0.5	5	1	0.1	0.0	0.0	
5	0.00		Rara													Rara cls	120.0	0.7	1	1	0.1	0.0	0.0	
17	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0					Rara fer	3600	31	1	1	0.1	0.0	0.0	
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0					Perm cls	90.0	0.5	1	1	0.1	0.0	0.0	
3	0.00		Rara													Rara cls	120.0	6.5	4	1	1.4	0.0	0.0	
8	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0					Rara fer	3600	248	4	1	1.4	0.0	0.0	
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0					Perm cls	90.0	7.5	4	1	1.6	0.0	0.0	
1	0.00		Rara													Rara cls	120.0	8.3	3	1	-2.3	0.0	0.0	
6	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0					Rara fer	3600	357	3	1	-2.3	0.0	0.0	
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0					Perm cls	90.0	6.4	3	1	-1.7	0.0	0.0	
10	0.00		Rara													Rara cls	120.0	8.8	3	1	-2.4	0.0	0.0	
5	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0					Rara fer	3600	376	3	1	-2.4	0.0	0.0	
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0					Perm cls	90.0	6.3	3	1	-1.7	0.0	0.0	

STAMPA VERIFICHE S.L.E. - E.C. - PILASTRI

			FESSURAZIONE										FRECCE			TENSIONI								
Filo N.ro	Quota (m)	Tra Nro	Combi Caric	Fessu. lim	mm cal	dist mm	Con cio	Com bin	Mf X (kN*10)*m	Mf Y (kN*10)*m	N kN*10		Frecce limite	mm calc	Com bin	Combinaz Carico	σ lim. -- daN/	σ cal. cmq --	Co nc	Comb	Mf X (kN*10)*m	Mf Y (kN*10)*m	N kN*10	
1	0.00		Rara													Rara cls	150.0	15.4	5	1	0.4	0.0	-1.9	
1	3.95		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0					Rara fer	3600	164	5	1	0.4	0.0	-1.9	
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0					Perm cls	112.0	5.4	5	1	0.0	-0.1	-1.4	
2	0.00		Rara													Rara cls	150.0	19.3	5	1	0.5	0.1	-2.3	
2	3.95		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0					Rara fer	3600	187	5	1	0.5	0.1	-2.3	
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0					Perm cls	112.0	6.1	5	1	0.1	-0.1	-1.4	
3	0.00		Rara													Rara cls	150.0	26.0	5	1	0.5	0.3	-2.6	
3	3.95		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0					Rara fer	3600	225	5	1	0.5	0.3	-2.6	
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0					Perm cls	112.0	5.8	5	1	-0.2	0.0	-1.7	
4	0.00		Rara													Rara cls	150.0	34.2	5	1	0.4	0.5	-2.3	
4	3.95		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0					Rara fer	3600	350	5	1	0.4	0.5	-2.3	
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0					Perm cls	112.0	6.2	5	1	0.1	0.1	-1.4	
5	0.00		Rara													Rara cls	150.0	36.7	5	1	0.4	0.6	-1.9	
5	3.95		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0					Rara fer	3600	417	5	1	0.4	0.6	-1.9	
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0					Perm cls	112.0	5.3	5	1	0.0	0.1	-1.4	
6	0.00		Rara													Rara cls	150.0	19.7	5	1	0.3	-0.2	-0.7	
6	3.24		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0					Rara fer	3600	231	5	1	0.3	-0.2	-0.7	
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0					Perm cls	112.0	11.3	5	1	-0.2	-0.1	-0.8	
7	0.00		Rara													Rara cls	150.0	25.4	5	1	0.6	-0.1	-3.4	
7	3.24		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0					Rara fer	3600	228	5	1	0.6	-0.1	-3.4	
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0					Perm cls	112.0	4.8	5	1	0.1	-0.1	-2.0	
9	0.00		Rara													Rara cls	150.0	30.5	5	1	0.6	0.4	-3.3	
9	3.24		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0					Rara fer	3600	261	5	1	0.6	0.4	-3.3	
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0					Perm cls	112.0	4.7	5	1	0.1	0.1	-2.0	

STAMPA VERIFICHE S.L.E. - E.C. - PILASTRI

	FESSURAZIONE	FRECCE	TENSIONI

Filo N.ro	Quota (m)	Tra Nro	Combi Caric	Fessu. mm lim	cal	dist mm	Con cio	Com bin	Mf X (kN*10)*m	Mf Y	N kN*10	Frecce mm limite	calc	Com bin	Combinaz Carico	σ lim. -- daN/	σ cal. cmq --	Co nc	Comb	Mf X (kN*10)*m	Mf Y	N kN*10
10	0.00		Rara												Rara cls	150.0	23.4	5	1	0.2	0.4	-0.7
10	3.24		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0				Rara fer	3600	302	5	1	0.2	0.4	-0.7
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0				Perm cls	112.0	11.2	5	1	-0.2	0.1	-0.8

VERIFICHE DI DUTTILITA' ASTE IN C.A. - PILASTRI

Filo Iniz Fin. InFi	Quota Iniz. Final In Fi	Tr at to at	Sez Bas Alt B/H	SOVRARESIST. Co nc	αx	αy	SOLLECITAZIONI SISMA X αx*Mx kN*10*m	My kN*10*m	N kN*10	SOLLECITAZIONI SISMA Y Mx kN*10*m	αy*My kN*10*m	N kN*10	MOM. RESISTENTI Mrux kN*10*m	Mruy kN*10*m	TAGLIO PROG. Vx kN*10	Vy kN*10	TAGLIO RESISTENTE V Rxd kN*10	V Ryd kN*10	staffe Pas lun
1	3.95	3	i	1.0	1.0		0.01	0.01	-0.55	0.01	0.01	-0.55	7.40	7.40	4.15	4.15	16.29	16.29	12 45
1	0.00	30	c												4.15	4.15	12.30	12.30	19 218
gRd=1.1		30	f	1.0	1.0		0.56	-0.57	-1.42	0.49	-0.75	-1.44	-7.49	7.50	4.15	4.15	16.29	16.29	12 132
2	3.95	3	i	1.0	1.0		0.01	0.01	-0.58	0.01	0.01	-0.58	7.41	7.41	4.15	4.15	16.30	16.30	12 45
2	0.00	30	c												4.15	4.15	12.30	12.30	19 218
gRd=1.1		30	f	1.0	1.0		0.48	-0.20	-1.46	0.09	-0.71	-1.46	-7.50	7.50	4.15	4.15	16.30	16.30	12 132
3	3.95	3	i	1.0	1.0		0.02	0.02	-0.91	0.02	0.02	-0.91	7.45	7.45	4.18	4.18	16.34	16.34	12 45
3	0.00	30	c												4.18	4.18	12.30	12.30	19 218
gRd=1.1		30	f	1.0	1.0		-0.90	-0.09	-1.79	-0.15	-0.62	-1.73	7.55	7.53	4.18	4.18	16.34	16.34	12 132
4	3.95	3	i	1.0	1.0		0.01	0.01	-0.58	0.01	0.01	-0.58	7.41	7.41	4.15	4.15	16.30	16.30	12 45
4	0.00	30	c												4.15	4.15	12.30	12.30	19 218
gRd=1.1		30	f	1.0	1.0		0.48	0.21	-1.46	0.09	0.71	-1.46	-7.50	-7.50	4.15	4.15	16.30	16.30	12 132
5	3.95	3	i	1.0	1.0		0.01	0.01	-0.55	0.01	0.01	-0.55	7.40	7.40	4.15	4.15	16.30	16.30	12 45
5	0.00	30	c												4.15	4.15	12.30	12.30	19 218
gRd=1.1		30	f	1.0	1.0		0.55	0.58	-1.42	0.48	0.75	-1.43	-7.49	-7.50	4.15	4.15	16.30	16.30	12 132
6	3.24	3	i	1.0	1.0		0.00	0.00	-0.07	0.00	0.00	-0.07	7.35	7.35	5.02	5.02	16.23	16.23	12 45
6	0.00	30	c												5.02	5.02	12.30	12.30	19 171
gRd=1.1		30	f	1.0	1.0		-0.93	0.23	-0.79	0.37	-0.47	-0.76	7.43	7.42	5.02	5.02	16.23	16.23	12 108
7	3.24	3	i	1.0	1.0		0.03	0.03	-1.28	0.03	0.03	-1.28	7.49	7.49	5.11	5.11	16.38	16.38	12 45
7	0.00	30	c												5.11	5.11	12.30	12.30	19 171
gRd=1.1		30	f	1.0	1.0		0.66	-0.41	-2.01	0.49	-0.49	-2.01	-7.57	7.57	5.11	5.11	16.38	16.38	12 108
9	3.24	3	i	1.0	1.0		0.03	0.03	-1.28	0.03	0.03	-1.28	7.49	7.49	5.11	5.11	16.41	16.41	12 45
9	0.00	30	c												5.11	5.11	12.30	12.30	19 171
gRd=1.1		30	f	1.0	1.0		0.65	0.41	-2.01	0.49	0.49	-2.01	-7.57	-7.57	5.11	5.11	16.41	16.41	12 108
10	3.24	3	i	1.0	1.0		0.00	0.00	-0.05	0.00	0.00	-0.05	7.35	7.35	5.02	5.02	16.22	16.22	12 45
10	0.00	30	c												5.02	5.02	12.30	12.30	19 171
gRd=1.1		30	f	1.0	1.0		-0.93	-0.24	-0.78	0.37	0.47	-0.75	7.43	-7.42	5.02	5.02	16.22	16.22	12 108

DOMINI ASTE IN C.A.

IDENTIFICATIVO Asta 3D	Filo Iniz	Filo Fin.	Q.In. (m)	Q.Fin (m)	Tra tto	Nodo3d Iniz.	Nodo3d Finale	ATTRIBUTI DI CALCOLO FlagNon Lineare	Barre Ancorate	Staffe Confin	DOMINI Dominio Concio 1	Dominio Concio 2	Dominio Concio 3
1	1	2	0.0	0.0		1	2	NO	SI	NO	1	2	3
2	2	3	0.0	0.0		2	3	NO	SI	NO	4	5	6
3	3	4	0.0	0.0		3	4	NO	SI	NO	7	8	9
4	4	5	0.0	0.0		4	5	NO	SI	NO	10	11	12
5	6	7	0.0	0.0		6	7	NO	SI	NO	13	14	15
6	7	8	0.0	0.0		7	8	NO	SI	NO	16	17	18
7	8	9	0.0	0.0		8	9	NO	SI	NO	19	20	21
8	9	10	0.0	0.0		9	10	NO	SI	NO	22	23	24
9	18	6	0.0	0.0		11	6	NO	SI	NO	25	26	27
10	10	19	0.0	0.0		10	12	NO	SI	NO	28	29	30
11	11	1	0.0	0.0		13	1	NO	SI	NO	31	32	33
12	5	17	0.0	0.0		5	14	NO	SI	NO	34	35	36
13	3	8	0.0	0.0		3	8	NO	SI	NO	37	38	39
14	1	6	0.0	0.0		1	6	NO	SI	NO	40	41	42
15	10	5	0.0	0.0		10	5	NO	SI	NO	43	44	45
16	1	1	4.0	0.0		15	1	NO	SI	NO	46	47	48
17	2	2	4.0	0.0		16	2	NO	SI	NO	49	50	51
18	3	3	4.0	0.0		17	3	NO	SI	NO	52	53	54
19	4	4	4.0	0.0		18	4	NO	SI	NO	55	56	57
20	5	5	4.0	0.0		19	5	NO	SI	NO	58	59	60
21	6	6	3.2	0.0		20	6	NO	SI	NO	61	62	63
22	7	7	3.2	0.0		21	7	NO	SI	NO	64	65	66
23	9	9	3.2	0.0		22	9	NO	SI	NO	67	68	69
24	10	10	3.2	0.0		23	10	NO	SI	NO	70	71	72
25	6	7	3.2	3.2		20	21	NO	SI	NO	73	74	75
26	7	8	3.2	3.2		21	24	NO	SI	NO	76	77	78
27	8	9	3.2	3.2		24	22	NO	SI	NO	79	80	81
28	9	10	3.2	3.2		22	23	NO	SI	NO	82	83	84
29	1	2	4.0	4.0		15	16	NO	SI	NO	85	86	87
30	2	3	4.0	4.0		16	17	NO	SI	NO	88	89	90
31	3	4	4.0	4.0		17	18	NO	SI	NO	91	92	93
32	4	5	4.0	4.0		18	19	NO	SI	NO	94	95	96
33	20	6	3.8	3.2		25	20	NO	SI	NO	97	98	99
34	6	1	3.2	4.0		20	15	NO	SI	NO	100	101	102
35	1	12	4.0	4.7		15	26	NO	SI	NO	103	104	105
36	21	7	3.8	3.2		27	21	NO	SI	NO	106	107	108
37	7	2	3.2	4.0		21	16	NO	SI	NO	109	110	111
38	2	13	4.0	4.7		16	28	NO	SI	NO	112	113	114
39	22	8	3.8	3.2		29	24	NO	SI	NO	115	116	117
40	8	3	3.2	4.0		24	17	NO	SI	NO	118	119	120
41	3	14	4.0	4.7		17	30	NO	SI	NO	121	122	123
42	23	9	3.8	3.2		31	22	NO	SI	NO	124	125	126
43	9	4	3.2	4.0		22	18	NO	SI	NO	127	128	129
44	4	15	4.0	4.7		18	32	NO	SI	NO	130	131	132
45	24	10	3.8	3.2		33	23	NO	SI	NO	133	134	135
46	10	5	3.2	4.0		23	19	NO	SI	NO	136	137	138
47	5	16	4.0	4.7		19	34	NO	SI	NO	139	140	141

PRINCIPALI RISULTATI

DEFORMATE COMBO1

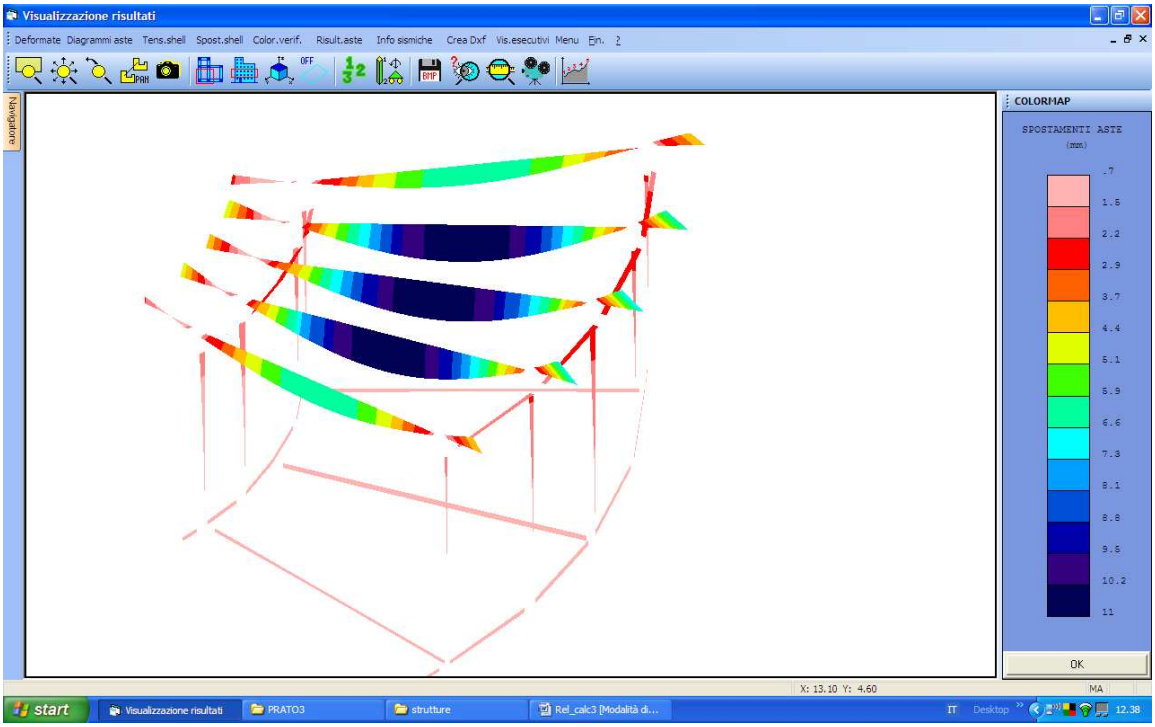


DIAGRAMMA DEL MOMENTO – INVILUPPO

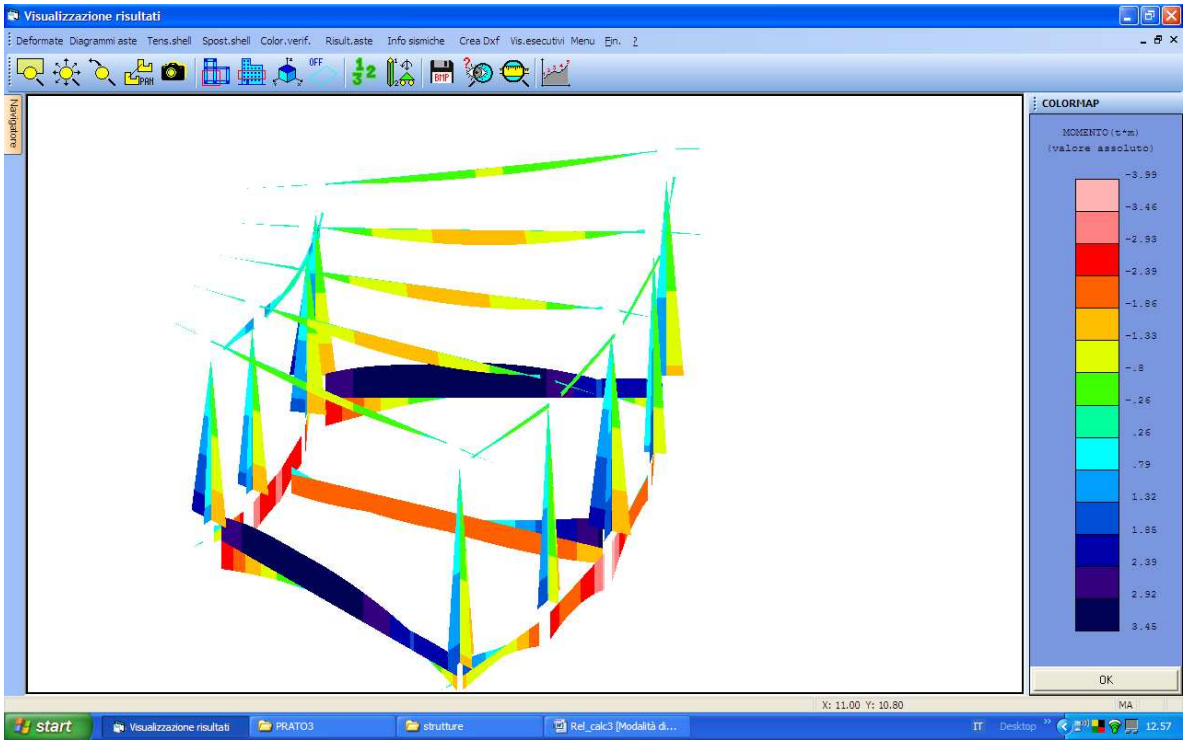


DIAGRAMMA DEL TAGLIO – INVILUPPO

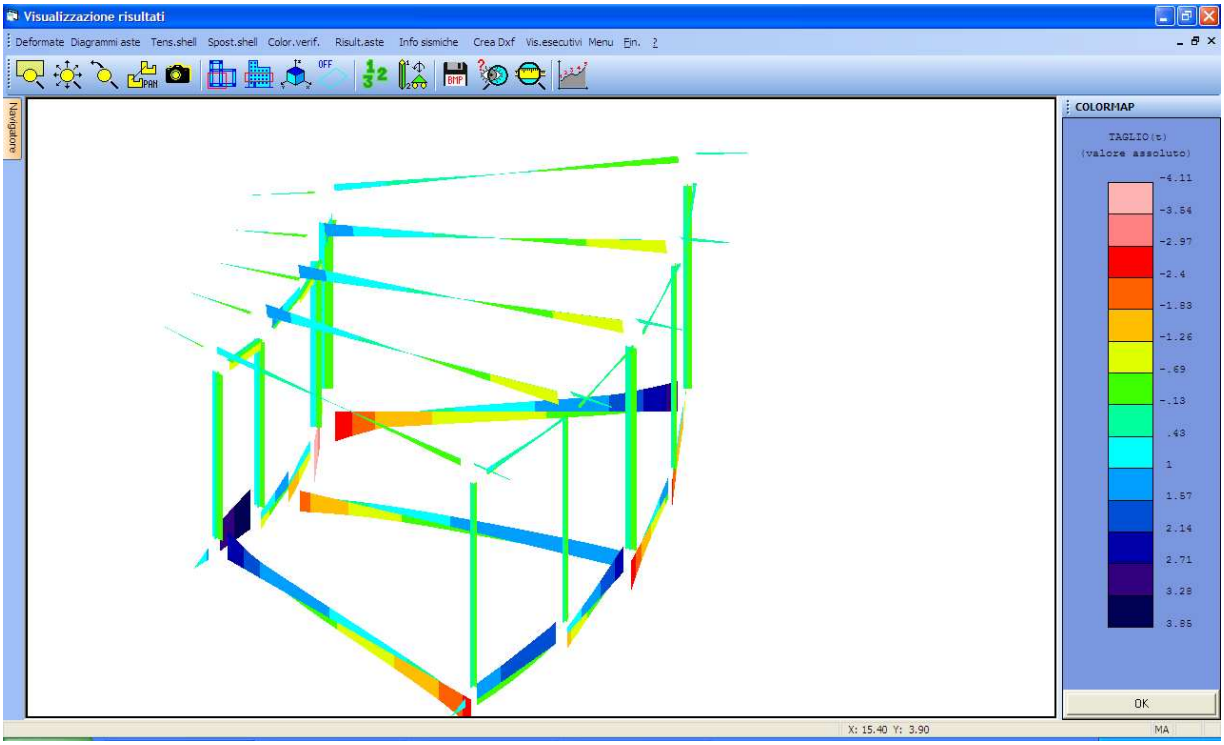


DIAGRAMMA DELLO SFORZO NORMALE - INVILUPPO