



Comune di Genova

Localizzazione:

Complesso Sportivo Morgavi - Belvedere Sampierdarena
Salita Millelire 4 - 16151 Genova (GE)

Intervento:

Opere di Adeguamento del complesso sportivo, Consolidamento
Strutturale del campo a 11 e Rigenerazione del manto in erba artificiale

Proprietà:

COMUNE di GENOVA
Via Garibaldi, 9 - 16124 Genova (GE)



Committente:

COMUNE di GENOVA
Via Garibaldi, 9 - 16124 Genova (GE)



Fase:

PROGETTO ESECUTIVO

Oggetto della tavola:

SPOGLIATOIO CAMPO A 11
RELAZIONE DI CALCOLO

Data:

28/10/2020

Scala:

N° tavola:

EI.09

Progettista:

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Op. Antincendio
Op. Acustiche
Op. Geologiche
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Op. Topografiche



PREMESSA.....	3
Descrizione generale dell’opera	4
Quadro normativo di riferimento adottato.....	4
Informazione sul codice di calcolo	4
Azioni di progetto sulla costruzione	4
Modello numerico, tipo di analisi strutturale e combinazione dei casi di carico.....	5
CARATTERISTICHE MATERIALI UTILIZZATI	7
MODELLAZIONE DELLE SEZIONI.....	11
MODELLAZIONE STRUTTURA: NODI	12
MODELLAZIONE STRUTTURA: ELEMENTI TRAVE.....	16
MODELLAZIONE STRUTTURA: ELEMENTI SHELL.....	21
MODELLAZIONE DELLA STRUTTURA: ELEMENTI SOLAIO-PANNELLO.....	32
SCHEMATIZZAZIONE DEI CASI DI CARICO.....	36
DEFINIZIONE DELLE COMBINAZIONI	36
VALUTAZIONE DELL’AZIONE SISMICA.....	38
Parametri della struttura	38
RISULTATI ANALISI SISMICHE	40
RISULTATI NODALI	50
RISULTATI OPERE DI FONDAZIONE.....	50
RISULTATI ELEMENTI TIPO TRAVE	51
RISULTATI ELEMENTI TIPO SHELL	53
VERIFICHE ELEMENTI TRAVE IN C.A.....	75
STATI LIMITE D' ESERCIZIO	86
VERIFICHE ELEMENTI MURATURA.....	96

PREMESSA

Oggetto dell'intervento è la realizzazione di un edificio adibito a locale spogliatoio, a servizio del Campo da Calcio a 11 facente parte del complesso sportivo Morgavi, sito in Genova, Salita Millelire, civ. 4.

La vigente classificazione sismica della Regione Liguria, entrata in vigore il 19 luglio 2017 (D.G.R. 17/03/2017 N. 216), inserisce l'area in oggetto in Zona 3.

La struttura, ad un piano, di forma rettangolare e di dimensioni pari a circa 28 m x 11 m, verrà realizzata mediante muratura portante tipo POROTON di spessore pari a 24 cm, travi di fondazione in calcestruzzo di classe C25/30 e acciaio B450C e copertura piana inclinata in predalles con soletta avente altezza di 24 cm (20+4).

Per ogni dettaglio geometrico e d'armatura si rimanda agli elaborati grafici strutturali, parte integrante del presente documento.

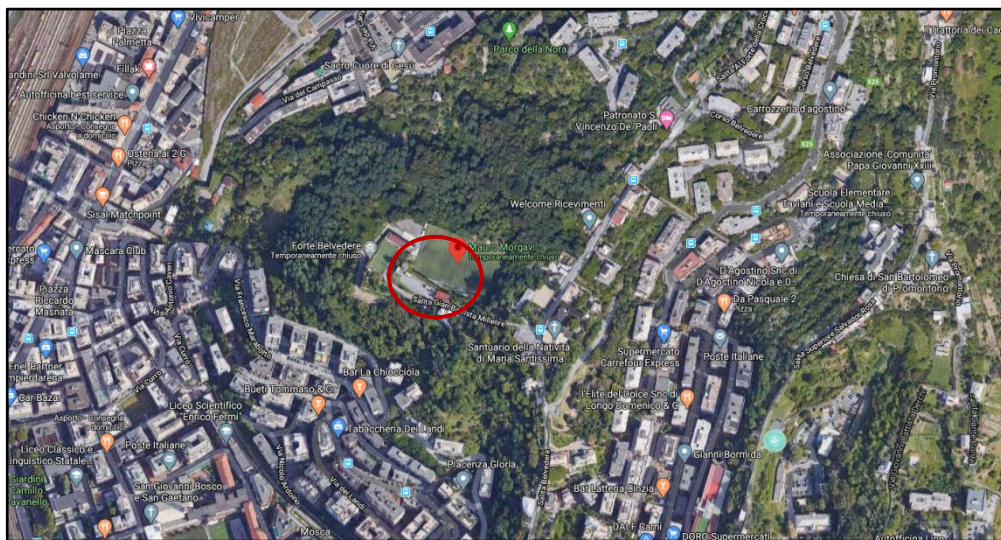


Figura1 - Ubicazione dell'intervento

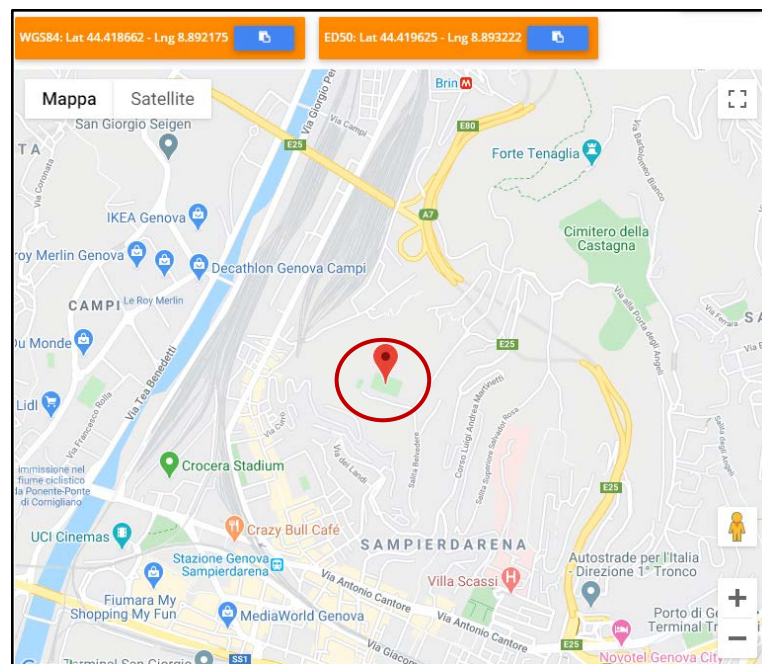


Figura2 - Coordinate WG84 - ED50

Descrizione generale dell'opera

Fabbricato ad uso	SPOGLIATOIO
Ubicazione	Comune di GENOVA (GE) (Regione LIGURIA)
	Località GENOVA (GE)
	Longitudine 8.893, Latitudine 44.420
Numero di piani	Fuori terra n.1
Tipo di fondazione	TRAVI

Classe d'uso	Vita Vn [anni]	Coeff. Uso	Periodo Vr [anni]
II	50.0	1.0	50.0

La costruzione, nuova, è caratterizzata da regolarità sia in pianta sia in altezza ed è progettata in classe di duttilità media (CD"B").

Sistema costruttivo: muratura Tipologia strutturale: costruzioni di muratura ordinaria

Definizione rapporto α_u/α_1 : valore come da normativa

Riferimento normativo α_u/α_1 : costruzioni di muratura ordinaria

Valore rapporto $\alpha_u/\alpha_1 = 1.700$

Valore base fattore $q_0 = 1.750 \alpha_u/\alpha_1 = 2.975$

Fattore di regolarità $K_R = 1.0$

Fattore dissipativo $q_D = q_0 \cdot K_R = 2.975$

Fattori di comportamento utilizzati

Dissipativi: $q_{SLU\ x} = 2.975$ $q_{SLU\ y} = 2.975$ $q_{SLU\ z} = 1.500$

Quadro normativo di riferimento adottato

Progetto-verifica degli elementi	
Progetto cemento armato	D.M. 17-01-2018 e Circolare 21/01/19, n. 7 C.S.LL.PP. "Istruzioni per l'applicazione dell'aggiornamento delle Norme Tecniche delle Costruzioni di cui al decreto ministeriale 17 gennaio 2018"
Progetto muratura	D.M. 17-01-2018 e Circolare 21/01/19, n. 7 C.S.LL.PP. "Istruzioni per l'applicazione dell'aggiornamento delle Norme Tecniche delle Costruzioni di cui al decreto ministeriale 17 gennaio 2018"
Azione sismica	
Norma applicata per l'azione sismica	D.M. 17-01-2018 e Circolare 21/01/19, n. 7 C.S.LL.PP. "Istruzioni per l'applicazione dell'aggiornamento delle Norme Tecniche delle Costruzioni di cui al decreto ministeriale 17 gennaio 2018"

Informazione sul codice di calcolo

Di seguito si indicano l'origine e le caratteristiche dei codici di calcolo utilizzati riportando titolo, produttore e distributore, versione, estremi della licenza d'uso:

Titolo:	PRO_SAP PROFESSIONAL Structural Analysis Program
Versione:	PROFESSIONAL (build 2020-05-189)
Produttore-Distributore:	2S.I. Software e Servizi per l'Ingegneria s.r.l., Ferrara
Codice Licenza:	Licenza dsi4913

Un attento esame preliminare della documentazione a corredo del software **ha consentito di valutarne l'affidabilità e soprattutto l'idoneità al caso specifico**. La documentazione, fornita dal produttore e distributore del software, contiene una esauriente descrizione delle basi teoriche e degli algoritmi impiegati, l'individuazione dei campi d'impiego, nonché casi prova interamente risolti e commentati, corredati dei file di input necessari a riprodurre l'elaborazione:

2S.I. ha verificato l'affidabilità e la robustezza del codice di calcolo attraverso un numero significativo di casi prova in cui i risultati dell'analisi numerica sono stati confrontati con soluzioni teoriche. E' possibile reperire la documentazione contenente alcuni dei più significativi casi trattati al seguente link:
<https://www.2si.it/it/prodotti/affidabilita/>

Azioni di progetto sulla costruzione

L'analisi strutturale è stata effettuata con il metodo degli elementi finiti. Il metodo sopraindicato si basa sulla schematizzazione della struttura in elementi connessi solo in corrispondenza di un numero prefissato di punti denominati nodi. I nodi sono definiti dalle tre coordinate cartesiane in un sistema di riferimento globale. Le incognite del problema (nell'ambito del metodo degli spostamenti) sono le componenti di spostamento dei nodi riferite al sistema di riferimento globale (traslazioni secondo X, Y, Z, rotazioni attorno X, Y, Z). La soluzione del

problema si ottiene con un sistema di equazioni algebriche lineari i cui termini noti sono costituiti dai carichi agenti sulla struttura opportunamente concentrati ai nodi:

$K * u = F$ dove K = matrice di rigidezza

u = vettore spostamenti nodali

F = vettore forze nodali

Dagli spostamenti ottenuti con la risoluzione del sistema vengono quindi dedotte le sollecitazioni e/o le tensioni di ogni elemento, riferite generalmente ad una terna locale all'elemento stesso. Il sistema di riferimento utilizzato è costituito da una terna cartesiana destrorsa XYZ. Si assume l'asse Z verticale ed orientato verso l'alto. Gli elementi utilizzati per la modellazione dello schema statico della struttura sono i seguenti:

- Elemento tipo **BEAM** (trave-D2)
- Elemento tipo **PLATE** (piastra-guscio-D3)
- Elemento tipo **SOLAIO** (macro elemento composto da più membrane)

Modello numerico, tipo di analisi strutturale e combinazione dei casi di carico

Tipo di analisi strutturale	
Carichi verticali	SI
Sismica statica lineare	NO
Sismica dinamica lineare	SI
Sismica statica non lineare (prop. masse)	NO
Sismica statica non lineare (prop. modo)	NO
Sismica statica non lineare (triangolare)	NO
Non linearità geometriche (fattore P delta)	NO

Modellazione della geometria e proprietà meccaniche:	
nodi	1149
elementi D2 (per aste, travi, pilastri...)	350
elementi D3 (per pareti, platee, gusci...)	931
elementi solaio	20
elementi solidi	0
Dimensione del modello strutturale [cm]:	
X min =	-0.00
Xmax =	2673.00
Ymin =	-0.00
Ymax =	908.00
Zmin =	-30.00
Zmax =	280.00
Strutture verticali:	
Elementi di tipo asta	NO
Pilastri	NO
Pareti	SI
Setti (a comportamento membranale)	NO
Strutture non verticali:	
Elementi di tipo asta	NO
Travi	SI
Gusci	NO
Membrane	NO
Orizzontamenti:	
Solai con la proprietà piano rigido	SI

Solai senza la proprietà piano rigido	SI
Tipo di vincoli:	
Nodi vincolati rigidamente	NO
Nodi vincolati elasticamente	NO
Nodi con isolatori sismici	NO
Fondazioni puntuali (plinti/plinti su palo)	NO
Fondazioni di tipo trave	SI
Fondazioni di tipo platea	NO
Fondazioni con elementi solidi	NO

Combinazioni dei casi di carico	
Tensioni ammissibili	NO
SLU	SI
SLV (SLU con sisma)	SI
SLC	NO
SLD	SI
SLO	NO
SLU GEO A2 (per approccio 1)	NO
SLU EQU	NO
Combinazione caratteristica (rara)	SI
Combinazione frequente	SI
Combinazione quasi permanente (SLE)	SI
SLA (accidentale quale incendio)	NO

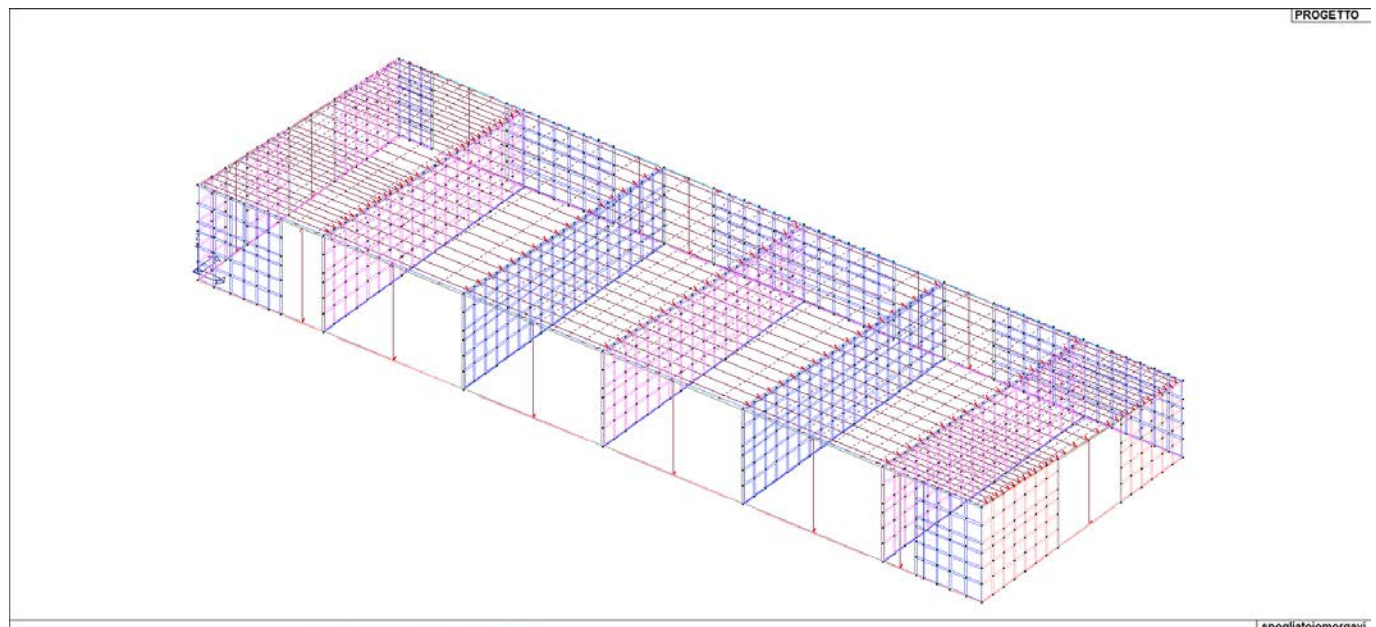


Figura 3 Modellazione numerica

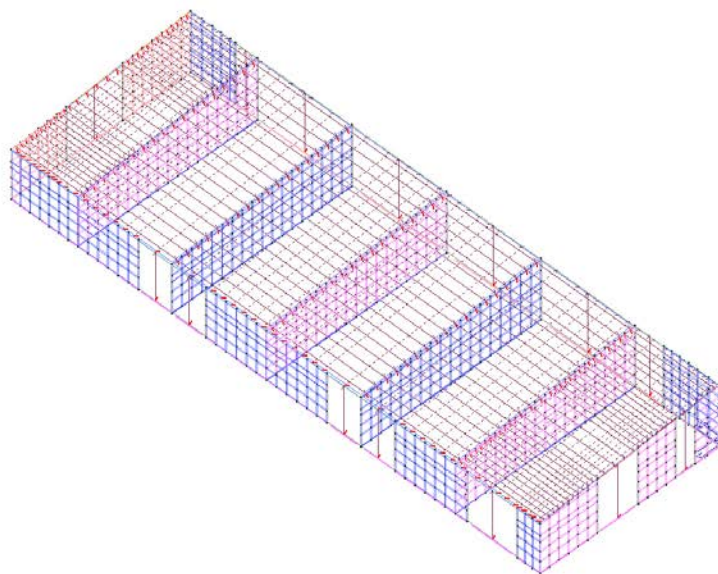


Figura 4 Modellazione numerica

CARATTERISTICHE MATERIALI UTILIZZATI

I materiali utilizzati nella modellazione sono individuati da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni materiale vengono riportati in tabella i seguenti dati:

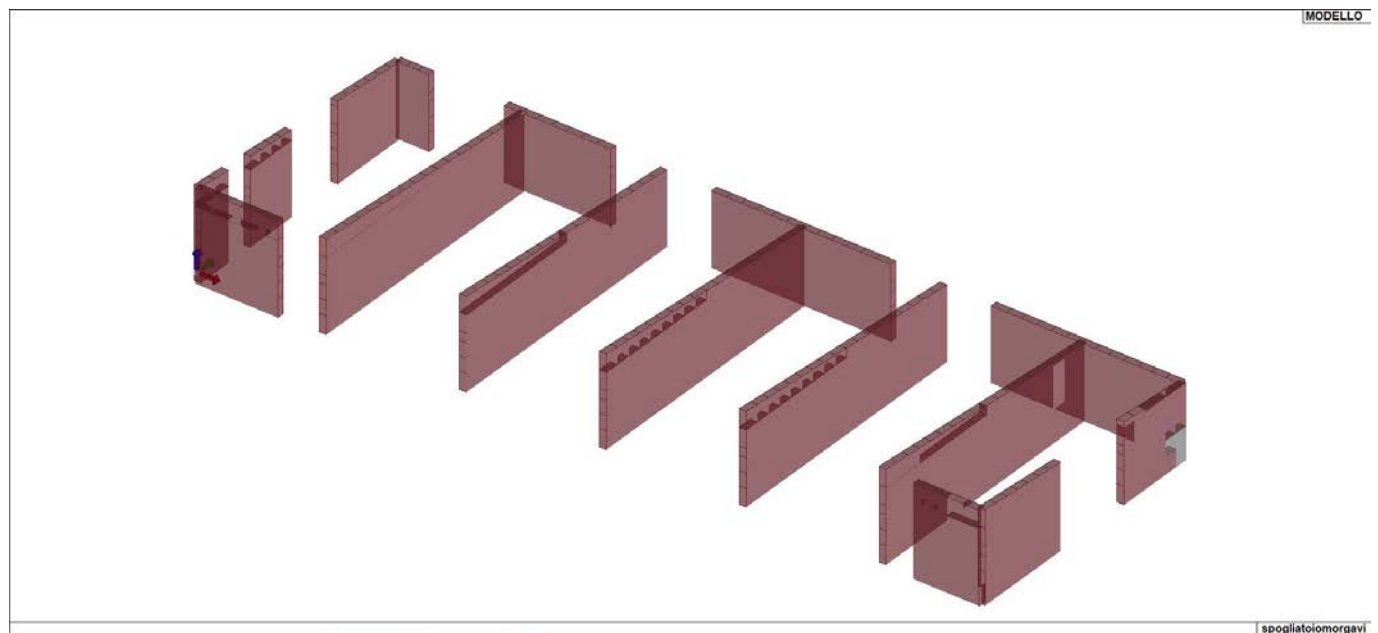
Young	modulo di elasticità normale E
Poisson	coefficiente di contrazione trasversale ν
G	modulo di elasticità tangenziale
Gamma	peso specifico
Alfa	coefficiente di dilatazione termica
Fattore di confidenza FC m	Fattore di confidenza specifico per materiale; (è riportato solo se diverso da quello globale della struttura)
Fattore di confidenza FC a	Fattore di confidenza specifico per l'armatura (è riportato solo se diverso da quello globale della struttura)
Elasto-plastico	Materiale elastico perfettamente plastico per aste non lineari
Massima compressione	Massima tensione di compressione per aste non lineari
Massima trazione	Massima tensione di trazione per aste non lineari
Fattore attrito	Coefficiente di attrito per aste non lineari
Rapporto HRDb	Rapporto di hardening a flessione
Rapporto HRDv	Rapporto di hardening a taglio

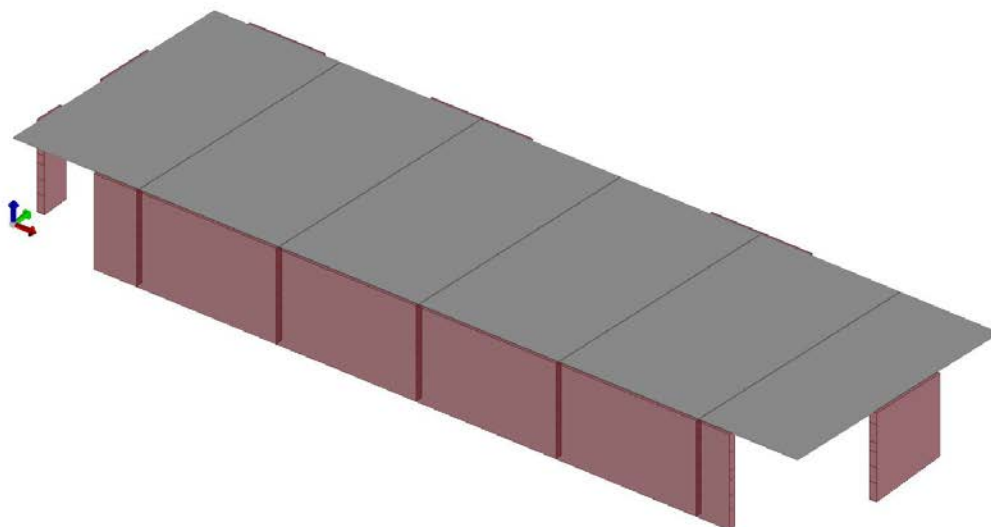
I dati soprariportati vengono utilizzati per la modellazione dello schema statico e per la determinazione dei carichi inerziali e termici. In relazione al tipo di materiale vengono riportati inoltre:

1	c.a.	Resistenza Rc	resistenza a compressione cubica
		Resistenza fctm	resistenza media a trazione semplice
		Coefficiente ksb	Coefficiente di riduzione della resistenza a compressione da utilizzare nello stress block
3	muratura	Muratura consolidata	Muratura per la quale si prevedono interventi di rinforzo"
		Incremento resistenza	Incremento conseguito in termini di resistenza
		Incremento rigidezza	Incremento conseguito in termini di rigidezza
		Resistenza f	Valore della resistenza a compressione
		Resistenza fv0	Valore della resistenza a taglio in assenza di tensioni normali
		Resistenza fh	Valore della resistenza a compressione orizzontale
		Resistenza fb	Valore della resistenza a compressione dei blocchi
		Resistenza fbh	Valore della resistenza a compressione dei blocchi in direzione orizzontale
		Resistenza fv0h	Valore della resistenza a taglio in assenza di tensioni normali per le travi
		Resistenza ft	Valore della resistenza a trazione per fessurazione diagonale
		Resistenza fvlm	Valore della massima resistenza a taglio
		Resistenza fbt	Valore della resistenza a trazione dei blocchi
		Coefficiente mu	Coefficiente d'attrito utilizzato per la resistenza a taglio (tipicamente 0.4)
		Coefficiente fi	Coefficiente d'ingranamento utilizzato per la resistenza a taglio
		Coefficiente ksb	Coefficiente di riduzione della resistenza a compressione da utilizzare nello stress block

Vengono inoltre riportate le tabelle contenenti il riassunto delle informazioni assegnate nei criteri di progetto in uso.

Id	Tipo / Note	V. caratt.	V. medio	Young	Poisson	G	Gamma	Alfa	Altri
		daN/cm2	daN/cm2	daN/cm2		daN/cm2	daN/cm3		
1	Calcestruzzo Classe C25/30			3.145e+05	0.20	1.310e+05	2.50e-03	1.00e-05	
	Resistenza Rc	300.0							
	Resistenza fctm		25.6						
	Rapporto Rfessurata								1.00
	Coefficiente ksb								0.85
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05
23	Danesi - Poroton P800 38.19.25 e malta di classe M10 -muratura E = 6.530e+04			6.530e+04	0.0	2.612e+04	8.60e-04	1.00e-05	
	Resistenza f	65.3							
	Resistenza fh	32.6							
	Resistenza fv0	3.0							
	Resistenza fv0h	3.0							
	Resistenza tau0	1.5							
	Resistenza fvlm	9.4							
	Resistenza fb	144.0							
	Resistenza fbh	32.0							
	Resistenza fbt	10.0							
	Rapporto Rfessurata								1.00
	Coefficiente ksb								0.85
	Coefficiente mu tilda								0.50
	Coefficiente fi								0.50
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05





Travi c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Progetta a filo	NO	NO	NO	NO	NO	NO
Af inf: da $q \cdot L \cdot L /$	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0				
Armatura						
Minima tesa	0.31	0.20	0.13	2.000e-02	0.31	0.31
	0.31	0.31				
Minima compressa	0.31	0.20	0.13	2.000e-02	0.31	0.31
	0.31	0.31				
Massima tesa	0.78	0.78	4.00	4.00	0.78	0.78
	0.78	0.78				
Da sezione	SI	SI	SI	SI	SI	SI
	SI	SI				
Usa armatura teorica	NO	NO	NO	NO	NO	NO
	NO	NO				
Stati limite ultimi						
Tensione f_y [daN/cm²]	4500.00	4500.00	4500.00	4500.00	4500.00	4500.00
	4500.00	4500.00				
Tensione f_y staffe [daN/cm²]	4500.00	4500.00	4500.00	4500.00	4500.00	4500.00
	4500.00	4500.00				
Tipo acciaio	tipo C	tipo C	tipo C	tipo C	tipo C	tipo C
	tipo C	tipo C				
Coefficiente gamma s	1.15	1.15	1.15	1.15	1.15	1.15
	1.15	1.15				
Coefficiente gamma c	1.50	1.50	1.50	1.50	1.50	1.50
	1.50	1.50				
Verifiche con N costante	SI	SI	SI	SI	SI	SI
	SI	SI				
Fattore di redistribuzione	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0				
Modello per il confinamento						
Relazione tensio-deformativa	Mander	Mander	Mander	Mander	Mander	Mander
	Mander	Mander				
Incrudimento acciaio	5.000e-03	5.000e-03	5.000e-03	5.000e-03	5.000e-03	5.000e-03
	5.000e-03	5.000e-03				
Fattore lambda	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00				
epsilon max,s	4.000e-02	4.000e-02	4.000e-02	4.000e-02	4.000e-02	4.000e-02
	4.000e-02	4.000e-02				
epsilon cu2	4.500e-03	4.500e-03	4.500e-03	4.500e-03	4.500e-03	4.500e-03
	4.500e-03	4.500e-03				
epsilon c2	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0				
epsilon cy	0.0	0.0	0.0	0.0	0.0	0.0

Travi c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
	0.0	0.0				
	1.00	1.00				
Staffe						
Diametro staffe	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0				
Passo minimo [cm]	4.00	4.00	4.00	4.00	4.00	4.00
	4.00	4.00				
Passo massimo [cm]	30.00	30.00	30.00	30.00	30.00	30.00
	30.00	30.00				
Passo raffittito [cm]	15.00	15.00	15.00	15.00	15.00	15.00
	15.00	15.00				
Lunghezza zona raffittita [cm]	50.00	50.00	50.00	50.00	50.00	50.00
	50.00	50.00				
Ctg(Teta) Max	2.50	2.50	2.50	2.50	2.50	2.50
	2.50	2.50				
Percentuale sagomati	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0				
Luce di taglio per GR [cm]	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00				
Adotta scorrimento medio	NO	NO	NO	NO	NO	NO
	NO	NO				
Torsione non essenziale inclusa	SI	SI	SI	SI	SI	SI
	SI	SI				

Muratura	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Lunghezze libere						
Altezza interpiano [cm]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0				
Rho	0.85	0.85	0.85	0.85	0.85	1.00
	0.75	0.75				
Snellezza limite	12.00	12.00	20.00	20.00	12.00	12.00
	12.00	12.00				
Generalità						
Gamma non sismico	3.00	3.00	3.00	3.00	3.00	3.00
	3.00	3.00				
Gamma sismico	2.40	2.40	2.40	2.40	2.40	2.40
	2.40	2.40				
Tolleranza azioni [daN/cm2]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0				
Media valori per quota	SI	SI	SI	SI	SI	SI
	SI	SI				
Media valori per elemento	SI	SI	SI	SI	SI	SI
	SI	SI				
Verifica come fascia	NO	NO	NO	NO	SI	NO
	NO	NO				
Usa formula [7.8.3]	SI	SI	SI	SI	SI	SI
	SI	SI				

Solai e pannelli	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Usa tensioni ammissibili	NO	NO	NO	NO	NO	NO
	NO	NO				
Af inf: da traliccio	SI	SI	SI	SI	SI	SI
	SI	SI				
Consenti armatura a taglio	NO	NO	NO	NO	NO	NO
	NO	NO				
Incrementa armatura longitudinale per taglio	SI	SI	SI	SI	SI	SI
	SI	SI				
Af inf: da q*L*L /	20.00	20.00	20.00	20.00	20.00	20.00
	20.00	20.00				
Incremento fascia piena [cm]	5.00	5.00	5.00	5.00	5.00	5.00
	5.00	5.00				
Armatura						
Minima tesa	0.15	0.15	0.15	0.15	0.15	0.15
	0.15	0.15				
Massima tesa	3.00	3.00	3.00	3.00	3.00	3.00
	3.00	3.00				
Minima compressa	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0				
Af/h [cm]	7.000e-02	7.000e-02	7.000e-02	7.000e-02	7.000e-02	7.000e-02
	7.000e-02	7.000e-02				

Solai e pannelli	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Stati limite ultimi						
Tensione f_y [daN/cm ²]	4500.00	4500.00	4500.00	4500.00	4500.00	4500.00
	4500.00	4500.00				
Tipo acciaio	tipo C	tipo C	tipo C	tipo C	tipo C	tipo C
	tipo C	tipo C				
Coefficiente gamma s	1.15	1.15	1.15	1.15	1.15	1.15
	1.15	1.15				
Coefficiente gamma c	1.50	1.50	1.50	1.50	1.50	1.50
	1.50	1.50				
Fattore di redistribuzione	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0				
	1.00	1.00				
Verifica freccia						
Infinita	250.00	250.00	250.00	250.00	250.00	250.00
	250.00	250.00				
Istantanea	500.00	500.00	500.00	500.00	500.00	500.00
	500.00	500.00				
Fattore viscosità	3.00	3.00	3.00	3.00	3.00	3.00
	3.00	3.00				
Usa J non fessurato	NO	NO	NO	NO	NO	NO
	NO	NO				
Elementi non strutturali						
Tamponatura antiespulsione	NO	NO	NO	NO	NO	NO
	NO	NO				
Tamponatura con armatura	NO	NO	NO	NO	NO	NO
	NO	NO				
Fattore di struttura/comportamento	2.00	2.00	2.00	2.00	2.00	2.00
	2.00	2.00				
Coefficiente gamma m	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0				
Periodo T_a	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0				
Altezza pannello	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0				

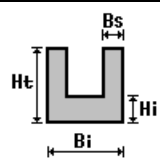
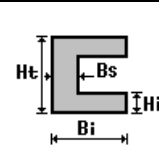
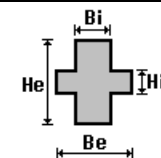
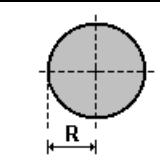
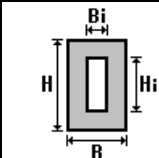
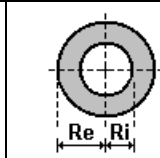
MODELLAZIONE DELLE SEZIONI

Le sezioni utilizzate nella modellazione sono individuate da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni sezione vengono riportati in tabella i seguenti dati:

Area	area della sezione
A V2	area della sezione/fattore di taglio (per il taglio in direzione 2)
A V3	area della sezione/fattore di taglio (per il taglio in direzione 3)
Jt	fattore torsionale di rigidezza
J2-2	momento d'inerzia della sezione riferito all'asse 2
J3-3	momento d'inerzia della sezione riferito all'asse 3
W2-2	modulo di resistenza della sezione riferito all'asse 2
W3-3	modulo di resistenza della sezione riferito all'asse 3
Wp2-2	modulo di resistenza plastico della sezione riferito all'asse 2
Wp3-3	modulo di resistenza plastico della sezione riferito all'asse 3

I dati sopra riportati vengono utilizzati per la determinazione dei carichi inerziali e per la definizione delle rigidezze degli elementi strutturali; qualora il valore di Area V2 (e/o Area V3) sia nullo la deformabilità per taglio V2 (e/o V3) è trascurata. La valutazione delle caratteristiche inerziali delle sezioni è condotta nel riferimento 2-3 dell'elemento.

rettangolare	a T	a T rovescia	a T di colmo	a L	a L specchiata
a L specchiata	a L rovescia	a L di colmo	a doppio T	a quattro	a quattro

rovescia				specchiata	
					
a U	a C	a croce	circolare	rettangolare cava	circolare cava

Id	Tipo	Area cm2	A V2 cm2	A V3 cm2	Jt cm4	J 2-2 cm4	J 3-3 cm4	W 2-2 cm3	W 3-3 cm3	Wp 2-2 cm3	Wp 3-3 cm3
1	Rettangolare: b=24 h=35	840.00	700.00	700.00	9.287e+04	4.032e+04	8.575e+04	3360.00	4900.00	5040.00	7350.00
4	L inversa: bi=46 ht=40 bs=24 hi=24	1488.00	0.0	0.0	2.569e+05	2.476e+05	1.751e+05	9581.64	7668.79	1.616e+04	1.350e+04
5	Rettangolare: b=88 h=24	2112.00	1760.00	1760.00	3.358e+05	1.363e+06	1.014e+05	3.098e+04	8448.00	4.646e+04	1.267e+04
6	Rettangolare: b=50 h=60	3000.00	2500.00	2500.00	1.246e+06	6.250e+05	9.000e+05	2.500e+04	3.000e+04	3.750e+04	4.500e+04
7	L inversa: bi=50 ht=60 bs=30 hi=20	2200.00	0.0	0.0	4.696e+05	3.529e+05	6.842e+05	1.159e+04	2.034e+04	2.283e+04	3.367e+04
8	L regolare: bi=50 ht=60 bs=30 hi=20	2200.00	0.0	0.0	4.696e+05	3.529e+05	6.842e+05	1.159e+04	2.034e+04	2.283e+04	3.367e+04
9	L regolare: bi=66 ht=40 bs=20 hi=24	1904.00	0.0	0.0	3.075e+05	7.265e+05	1.893e+05	1.971e+04	7684.92	3.243e+04	1.552e+04
10	L inversa: bi=66 ht=40 bs=20 hi=24	1904.00	0.0	0.0	3.075e+05	7.265e+05	1.893e+05	1.971e+04	7684.92	3.243e+04	1.552e+04

MODELLAZIONE STRUTTURA: NODI

Ogni nodo è individuato dalle coordinate cartesiane nel sistema di riferimento globale (X Y Z). Ad ogni nodo è eventualmente associato un codice di vincolamento rigido, un codice di fondazione speciale, ed un set di sei molle (tre per le traslazioni, tre per le rotazioni). Le tabelle sottoriportate riflettono le succitate possibilità. In particolare per ogni nodo viene indicato in tabella:

Nodo	numero del nodo.
X	valore della coordinata X
Y	valore della coordinata Y
Z	valore della coordinata Z
Note	eventuale codice di vincolo (es. v=110010 sei valori relativi ai sei gradi di libertà previsti per il nodo TxTyTzRxRyRz, il valore 1 indica che lo spostamento o rotazione relativo è impedito, il valore 0 indica che lo spostamento o rotazione relativo è libero).
Note	(FS = 1, 2,...) eventuale codice del tipo di fondazione speciale (1, 2,... fanno riferimento alle tipologie: plinto, palo, plinto su pali,...) che è collegato al nodo. (ISO = "id SIGLA") indice e sigla identificativa dell' eventuale isolatore sismico assegnato al nodo
Rig. TX	valore della rigidezza dei vincoli elastici eventualmente applicati al nodo, nello specifico TX (idem per TY, TZ, RX, RY, RZ).

Nodo	X cm	Y cm	Z cm	Nodo	X cm	Y cm	Z cm	Nodo	X cm	Y cm	Z cm
1	2673.0	768.5	80.0	2	2673.0	768.5	130.0	3	2673.0	768.5	160.0
4	0.0	224.0	-30.0	5	0.0	62.0	130.0	6	201.5	0.0	80.0
7	2673.0	861.5	80.0	8	0.0	224.0	30.0	9	2673.0	861.5	130.0
10	0.0	224.0	80.0	11	0.0	224.0	130.0	12	0.0	224.0	160.0
13	0.0	0.0	160.0	14	201.5	0.0	130.0	15	2673.0	861.5	160.0
16	0.0	224.0	220.0	17	0.0	124.0	30.0	18	241.8	0.0	160.0
19	2673.0	768.5	220.0	20	0.0	270.4	-30.0	21	0.0	62.0	160.0
22	201.5	0.0	160.0	23	2673.0	861.5	220.0	24	2335.5	706.2	130.0
25	0.0	270.4	30.0	26	0.0	270.4	80.0	27	0.0	270.4	130.0
28	0.0	270.4	160.0	29	0.0	0.0	220.0	30	201.5	0.0	220.0
31	2673.0	48.8	276.8	32	0.0	270.4	220.0	33	0.0	124.0	80.0
34	241.8	0.0	220.0	35	2673.0	722.0	160.0	36	0.0	316.8	-30.0
37	0.0	62.0	220.0	38	241.8	0.0	30.0	39	2335.5	756.7	160.0
40	0.0	316.8	30.0	41	0.0	316.8	80.0	42	0.0	316.8	130.0
43	0.0	316.8	160.0	44	0.0	0.0	280.0	45	2449.2	0.0	-30.0
46	0.0	316.8	220.0	47	2673.0	146.4	270.3	48	0.0	363.2	-30.0
49	478.4	908.0	220.0	50	0.0	363.2	30.0	51	2449.2	0.0	280.0
52	0.0	363.2	80.0	53	2673.0	908.0	-30.0	54	0.0	363.2	130.0
55	0.0	363.2	160.0	56	0.0	363.2	220.0	57	369.6	908.0	220.0
58	0.0	409.6	-30.0	59	2335.5	756.7	-30.0	60	2335.5	857.6	160.0
61	0.0	409.6	30.0	62	0.0	409.6	80.0	63	0.0	409.6	130.0
64	0.0	409.6	160.0	65	0.0	409.6	220.0	66	2335.5	554.9	160.0
67	2474.0	0.0	-30.0	68	2.08e-04	409.6	252.9	69	2673.0	815.0	-30.0
70	282.1	0.0	220.0	71	2673.0	861.5	30.0	72	2673.0	815.0	30.0
73	2474.0	0.0	280.0	74	2519.0	0.0	-30.0	75	2673.0	908.0	30.0
76	0.0	124.0	130.0	77	0.0	124.0	160.0	78	282.1	0.0	30.0
79	2673.0	815.0	80.0	80	2673.0	629.0	238.4	81	2519.0	0.0	280.0
82	2564.0	0.0	-30.0	83	2564.0	0.0	30.0	84	2564.0	0.0	80.0
85	2564.0	0.0	130.0	86	2564.0	0.0	160.0	87	2564.0	0.0	220.0
88	2564.0	0.0	280.0	89	2618.5	0.0	-30.0	90	2673.0	908.0	80.0
91	2618.5	0.0	30.0	92	2618.5	0.0	80.0	93	2618.5	0.0	130.0
94	2618.5	0.0	160.0	95	2618.5	0.0	220.0	96	2618.5	0.0	280.0
97	2624.8	908.0	-30.0	98	2673.0	908.0	130.0	99	2624.8	908.0	30.0

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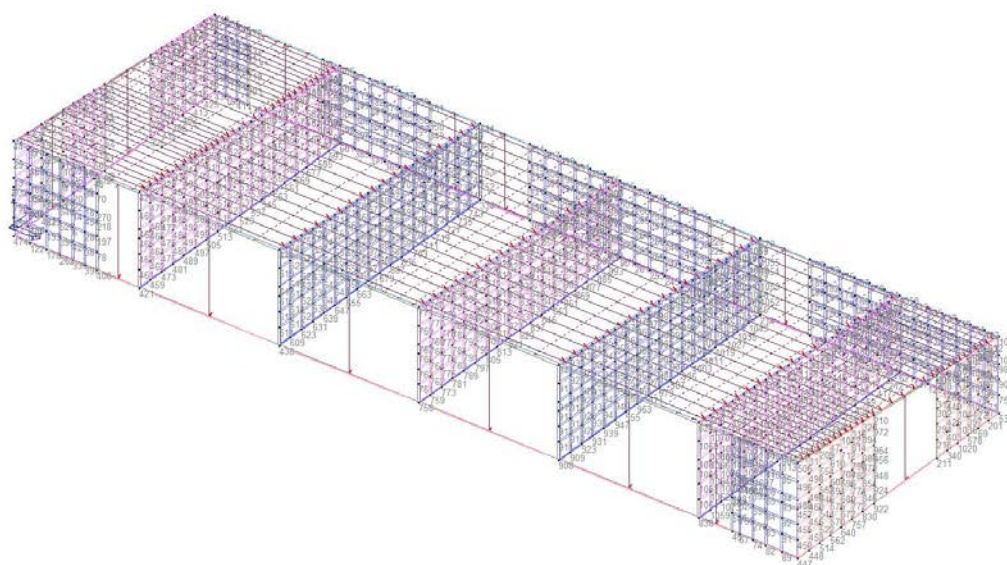
100	2624.8	908.0	80.0	101	2624.8	908.0	130.0	102	2624.8	908.0	160.0
103	2624.8	908.0	220.0	104	2673.0	908.0	160.0	105	2576.6	908.0	-30.0
106	2673.0	908.0	220.0	107	2576.6	908.0	30.0	108	2576.6	908.0	80.0
109	2576.6	908.0	130.0	110	2576.6	908.0	160.0	111	2576.6	908.0	220.0
112	75.0	908.0	30.0	113	2528.4	908.0	-30.0	114	2.08e-04	715.3	232.7
115	2528.4	908.0	30.0	116	2528.4	908.0	80.0	117	2528.4	908.0	130.0
118	2528.4	908.0	160.0	119	2528.4	908.0	220.0	120	75.0	908.0	80.0
121	2480.1	908.0	-30.0	122	55.7	0.0	-30.0	123	2480.1	908.0	30.0
124	2480.1	908.0	80.0	125	2480.1	908.0	130.0	126	2480.1	908.0	160.0
127	2480.1	908.0	220.0	128	75.0	908.0	130.0	129	2431.9	908.0	-30.0
130	112.5	908.0	-30.0	131	2431.9	908.0	30.0	132	2431.9	908.0	80.0
133	2431.9	908.0	130.0	134	2431.9	908.0	160.0	135	2431.9	908.0	220.0
136	75.0	908.0	160.0	137	2383.7	908.0	-30.0	138	55.7	0.0	30.0
139	2383.7	908.0	30.0	140	2383.7	908.0	80.0	141	2383.7	908.0	130.0
142	2383.7	908.0	160.0	143	2383.7	908.0	220.0	144	75.0	908.0	220.0
145	2284.5	908.0	-30.0	146	55.7	0.0	80.0	147	2284.5	908.0	30.0
148	2284.5	908.0	80.0	149	2284.5	908.0	130.0	150	2284.5	908.0	160.0
151	2284.5	908.0	220.0	152	2673.0	722.0	130.0	153	2233.5	908.0	-30.0
154	55.7	0.0	130.0	155	2233.5	908.0	30.0	156	2233.5	908.0	80.0
157	2233.5	908.0	130.0	158	2233.5	908.0	160.0	159	2233.5	908.0	220.0
160	37.5	908.0	-30.0	161	2182.5	908.0	-30.0	162	55.7	0.0	160.0
163	2182.5	908.0	30.0	164	2182.5	908.0	80.0	165	2182.5	908.0	130.0
166	2182.5	908.0	160.0	167	2182.5	908.0	220.0	168	55.7	0.0	220.0
169	2131.5	908.0	-30.0	170	55.7	0.0	280.0	171	2131.5	908.0	30.0
172	2131.5	908.0	80.0	173	2131.5	908.0	130.0	174	2131.5	908.0	160.0
175	2131.5	908.0	220.0	176	37.5	908.0	30.0	177	2080.5	908.0	-30.0
178	111.5	0.0	-30.0	179	2080.5	908.0	30.0	180	2080.5	908.0	80.0
181	2080.5	908.0	130.0	182	2080.5	908.0	160.0	183	2080.5	908.0	220.0
184	37.5	908.0	80.0	185	2029.5	908.0	-30.0	186	2029.5	908.0	30.0
187	2029.5	908.0	80.0	188	2029.5	908.0	130.0	189	2029.5	908.0	160.0
190	2029.5	908.0	220.0	191	37.5	908.0	130.0	192	2335.5	807.1	160.0
193	111.5	0.0	30.0	194	2335.5	807.1	130.0	195	0.0	124.0	220.0
196	2673.0	815.0	130.0	197	282.1	0.0	80.0	198	2335.5	807.1	220.0
199	37.5	908.0	160.0	200	2335.5	554.9	220.0	201	2673.0	861.5	-30.0
202	2673.0	815.0	160.0	203	112.5	908.0	30.0	204	2335.5	403.6	253.3
205	2335.5	605.3	-30.0	206	37.5	908.0	220.0	207	2335.5	151.3	270.0
208	2673.0	815.0	220.0	209	2673.0	97.6	273.6	210	2673.0	341.5	257.4
211	2673.0	629.0	-30.0	212	2335.5	857.6	-30.0	213	2.08e-04	619.0	239.1
214	1858.5	908.0	-30.0	215	111.5	0.0	80.0	216	2673.0	629.0	30.0
217	2335.5	756.7	30.0	218	282.1	0.0	130.0	219	112.5	908.0	80.0
220	1858.5	908.0	220.0	221	427.5	50.4	276.7	222	1687.5	908.0	-30.0
223	1687.5	908.0	30.0	224	1687.5	908.0	80.0	225	1687.5	908.0	130.0
226	1687.5	908.0	160.0	227	1687.5	908.0	220.0	228	427.5	100.9	273.3
229	1636.5	908.0	-30.0	230	111.5	0.0	130.0	231	1636.5	908.0	30.0
232	1636.5	908.0	80.0	233	1636.5	908.0	130.0	234	1636.5	908.0	160.0
235	1636.5	908.0	220.0	236	427.5	151.3	270.0	237	1585.5	908.0	-30.0
238	111.5	0.0	160.0	239	1585.5	908.0	30.0	240	1585.5	908.0	80.0
241	1585.5	908.0	130.0	242	1585.5	908.0	160.0	243	1585.5	908.0	220.0
244	427.5	201.8	266.7	245	1534.5	908.0	-30.0	246	111.5	0.0	220.0
247	1534.5	908.0	30.0	248	1534.5	908.0	80.0	249	1534.5	908.0	130.0
250	1534.5	908.0	160.0	251	1534.5	908.0	220.0	252	427.5	252.2	263.3
253	1483.5	908.0	-30.0	254	111.5	0.0	280.0	255	1483.5	908.0	30.0
256	1483.5	908.0	80.0	257	1483.5	908.0	130.0	258	1483.5	908.0	160.0
259	1483.5	908.0	220.0	260	427.5	302.7	260.0	261	1432.5	908.0	-30.0
262	156.5	0.0	-30.0	263	1432.5	908.0	30.0	264	1432.5	908.0	80.0
265	1432.5	908.0	130.0	266	1432.5	908.0	160.0	267	1432.5	908.0	220.0
268	427.5	353.1	256.7	269	1330.5	908.0	-30.0	270	282.1	0.0	160.0
271	1330.5	908.0	30.0	272	1330.5	908.0	80.0	273	1330.5	908.0	130.0
274	1330.5	908.0	160.0	275	1330.5	908.0	220.0	276	427.5	454.0	250.0
277	1279.5	908.0	-30.0	278	2519.0	0.0	30.0	279	1279.5	908.0	30.0
280	1279.5	908.0	80.0	281	1279.5	908.0	130.0	282	1279.5	908.0	160.0
283	1279.5	908.0	220.0	284	427.5	403.6	253.3	285	1228.5	908.0	-30.0
286	241.8	0.0	80.0	287	1228.5	908.0	30.0	288	1228.5	908.0	80.0
289	1228.5	908.0	130.0	290	1228.5	908.0	160.0	291	1228.5	908.0	220.0
292	427.5	504.4	246.7	293	1177.5	908.0	-30.0	294	2673.0	629.0	80.0
295	1177.5	908.0	30.0	296	1177.5	908.0	80.0	297	1177.5	908.0	130.0
298	1177.5	908.0	160.0	299	1177.5	908.0	220.0	300	427.5	554.9	243.3
301	1126.5	908.0	-30.0	302	2673.0	629.0	130.0	303	1126.5	908.0	30.0
304	1126.5	908.0	80.0	305	1126.5	908.0	130.0	306	1126.5	908.0	160.0
307	1126.5	908.0	220.0	308	427.5	605.3	240.0	309	1075.5	908.0	-30.0
310	1075.5	908.0	30.0	311	1075.5	908.0	80.0	312	1075.5	908.0	130.0
313	1075.5	908.0	160.0	314	1075.5	908.0	220.0	315	427.5	655.8	236.7
316	2673.0	243.9	263.9	317	2673.0	629.0	160.0	318	2673.0	629.0	220.0
319	156.5	0.0	280.0	320	2673.0	292.7	260.7	321	112.5	908.0	130.0
322	2335.5	857.6	30.0	323	427.5	706.2	233.3	324	2474.0	0.0	80.0
325	0.0	619.0	-30.0	326	0.0	619.0	30.0	327	0.0	619.0	80.0
328	0.0	619.0	130.0	329	2335.5	605.3	30.0	330	427.5	756.7	230.0
331	2335.5	857.6	80.0	332	0.0	619.0	160.0	333	0.0	619.0	220.0
334	112.5	908.0	160.0	335	0.0	667.2	-30.0	336	2335.5	857.6	130.0
337	427.5	807.1	226.7	338	904.5	908.0	-30.0	339	201.5	0.0	-30.0
340	2673.0	675.5	-30.0	341	1858.5	0.0	280.0	342	0.0	667.2	30.0
343	0.0	667.2	80.0	344	904.5	908.0	220.0	345	427.5	857.6	223.3
346	733.1	908.0	-30.0	347	733.1	908.0	30.0	348	733.1	908.0	80.0
349	733.1	908.0	130.0	350	733.1	908.0	160.0	351	733.1	908.0	220.0
352	2.08e-04	62.0	275.9	353	682.1	908.0	-30.0	354	0.0	667.2	130.0
355	682.1	908.0	30.0	356	682.1	908.0	80.0	357	682.1	908.0	130.0
358	682.1	908.0	160.0	359	682.1	908.0	220.0	360	2.08e-04	124.0	271.8
361	631.2	908.0	-30.0	362	0.0	667.2	160.0	363	631.2	908.0	30.0
364	631.2	908.0	80.0	365	631.2	908.0	130.0	366	631.2	908.0	160.0
367	631.2	908.0	220.0	368	2335.5	605.3	80.0	369	580.3	908.0	-30.0
370	0.0	667.2	220.0	371	580.3	908.0	30.0	372	580.3	908.0	80.0
373	580.3	908.0	130.0	374	580.3	908.0	160.0	375	580.3	908.0	220.0
376	2.08e-04	224.0	265.2	377	529.4	908.0	-30.0	378	112.5	908.0	220.0
379	529.4	908.0	30.0	380	529.4	908.0	80.0	381	529.4	908.0	130.0
382	529.4	908.0	160.0	383	529.4	908.0	220.0	384	2.08e-04	270.4	262.1
385	478.4	908.0	-30.0	386	0.0	715.3	-30.0	387	478.4	908.0	30.0
388	478.4	908.0	80.0	389	478.4	908.0	130.0	390	2519.0	0.0	80.0
391	201.5	0.0	280.0	392	2519.0	0.0	130.0	393	0.0	715.3	30.0
394	0.0	715.3	80.0	395	0.0	715.3	130.0	396	0.0	715.3	160.0
397	2673.0	768.5	30.0	398	241.8	0.0	-30.0	399	156.5	0.0	30.0
400	0.0	715.3	220.0	401	2335.5	706.2	30.0	402	0.0	763.5	-30.0

403	2673.0	675.5	30.0	404	0.0	763.5	30.0	405	241.8	0.0	280.0
406	282.1	0.0	-30.0	407	0.0	763.5	80.0	408	0.0	763.5	130.0
409	0.0	763.5	160.0	410	0.0	763.5	220.0	411	75.0	908.0	-30.0
412	282.1	0.0	280.0	413	0.0	811.7	-30.0	414	2519.0	0.0	160.0
415	2335.5	756.7	220.0	416	0.0	811.7	30.0	417	2335.5	807.1	-30.0
418	0.0	811.7	80.0	419	0.0	811.7	130.0	420	427.5	0.0	280.0
421	427.5	0.0	-30.0	422	0.0	811.7	160.0	423	0.0	811.7	220.0
424	2.08e-04	363.2	256.0	425	0.0	859.8	-30.0	426	2673.0	675.5	80.0
427	2335.5	252.2	263.3	428	201.5	0.0	30.0	429	0.0	859.8	30.0
430	0.0	859.8	80.0	431	0.0	859.8	130.0	432	0.0	859.8	160.0
433	0.0	859.8	220.0	434	2335.5	706.2	80.0	435	2335.5	706.2	-30.0
436	904.5	0.0	-30.0	437	2.08e-04	316.8	259.1	438	0.0	908.0	-30.0
439	0.0	908.0	30.0	440	0.0	908.0	80.0	441	0.0	908.0	130.0
442	0.0	908.0	160.0	443	0.0	908.0	220.0	444	904.5	0.0	280.0
445	2474.0	0.0	130.0	446	2335.5	605.3	130.0	447	2673.0	0.0	-30.0
448	2673.0	48.8	-30.0	449	2673.0	675.5	130.0	450	2673.0	0.0	30.0
451	2335.5	605.3	160.0	452	0.0	124.0	-30.0	453	2673.0	48.8	30.0
454	241.8	0.0	130.0	455	2673.0	0.0	80.0	456	2673.0	48.8	80.0
457	2673.0	0.0	130.0	458	2335.5	857.6	220.0	459	427.5	50.4	-30.0
460	2673.0	48.8	130.0	461	427.5	0.0	30.0	462	427.5	50.4	30.0
463	427.5	0.0	80.0	464	427.5	50.4	80.0	465	427.5	0.0	130.0
466	427.5	50.4	130.0	467	427.5	0.0	160.0	468	427.5	50.4	160.0
469	427.5	0.0	220.0	470	427.5	50.4	220.0	471	2335.5	605.3	220.0
472	2.08e-04	859.8	223.2	473	427.5	100.9	-30.0	474	0.0	0.0	-30.0
475	427.5	100.9	30.0	476	427.5	100.9	80.0	477	427.5	100.9	130.0
478	427.5	100.9	160.0	479	427.5	100.9	220.0	480	2335.5	706.2	160.0
481	427.5	151.3	-30.0	482	2474.0	0.0	160.0	483	427.5	151.3	30.0
484	427.5	151.3	80.0	485	427.5	151.3	130.0	486	427.5	151.3	160.0
487	427.5	151.3	220.0	488	2673.0	0.0	160.0	489	427.5	201.8	-30.0
490	2673.0	48.8	160.0	491	427.5	201.8	30.0	492	427.5	201.8	80.0
493	427.5	201.8	130.0	494	427.5	201.8	160.0	495	427.5	201.8	220.0
496	2673.0	0.0	220.0	497	427.5	252.2	-30.0	498	2673.0	48.8	220.0
499	427.5	252.2	30.0	500	427.5	252.2	80.0	501	427.5	252.2	130.0
502	427.5	252.2	160.0	503	427.5	252.2	220.0	504	2673.0	722.0	220.0
505	427.5	302.7	-30.0	506	2673.0	0.0	280.0	507	427.5	302.7	30.0
508	427.5	302.7	80.0	509	427.5	302.7	130.0	510	427.5	302.7	160.0
511	427.5	302.7	220.0	512	2673.0	861.5	223.1	513	427.5	353.1	-30.0
514	2673.0	97.6	-30.0	515	427.5	353.1	30.0	516	427.5	353.1	80.0
517	427.5	353.1	130.0	518	427.5	353.1	160.0	519	427.5	353.1	220.0
520	156.5	0.0	80.0	521	427.5	403.6	-30.0	522	2673.0	97.6	30.0
523	427.5	403.6	30.0	524	427.5	403.6	80.0	525	427.5	403.6	130.0
526	427.5	403.6	160.0	527	427.5	403.6	220.0	528	2335.5	706.2	220.0
529	427.5	454.0	-30.0	530	0.0	62.0	-30.0	531	427.5	454.0	30.0
532	427.5	454.0	80.0	533	427.5	454.0	130.0	534	427.5	454.0	160.0
535	427.5	454.0	220.0	536	2.08e-04	811.7	226.4	537	427.5	504.4	-30.0
538	2474.0	0.0	220.0	539	427.5	504.4	30.0	540	427.5	504.4	80.0
541	427.5	504.4	130.0	542	427.5	504.4	160.0	543	427.5	504.4	220.0
544	2673.0	97.6	80.0	545	427.5	554.9	-30.0	546	2673.0	97.6	130.0
547	427.5	554.9	30.0	548	427.5	554.9	80.0	549	427.5	554.9	130.0
550	427.5	554.9	160.0	551	427.5	554.9	220.0	552	2673.0	97.6	160.0
553	427.5	605.3	-30.0	554	2673.0	97.6	220.0	555	427.5	605.3	30.0
556	427.5	605.3	80.0	557	427.5	605.3	130.0	558	427.5	605.3	160.0
559	427.5	605.3	220.0	560	2673.0	815.0	226.1	561	427.5	655.8	-30.0
562	2673.0	146.4	-30.0	563	427.5	655.8	30.0	564	427.5	655.8	80.0
565	427.5	655.8	130.0	566	427.5	655.8	160.0	567	427.5	655.8	220.0
568	2519.0	0.0	220.0	569	427.5	706.2	-30.0	570	2673.0	146.4	30.0
571	427.5	706.2	30.0	572	427.5	706.2	80.0	573	427.5	706.2	130.0
574	427.5	706.2	160.0	575	427.5	706.2	220.0	576	2673.0	146.4	80.0
577	427.5	756.7	-30.0	578	2673.0	768.5	-30.0	579	427.5	756.7	30.0
580	427.5	756.7	80.0	581	427.5	756.7	130.0	582	427.5	756.7	160.0
583	427.5	756.7	220.0	584	2.08e-04	763.5	229.5	585	427.5	807.1	-30.0
586	2449.2	0.0	30.0	587	427.5	807.1	30.0	588	427.5	807.1	80.0
589	427.5	807.1	130.0	590	427.5	807.1	160.0	591	427.5	807.1	220.0
592	2335.5	807.1	30.0	593	427.5	857.6	-30.0	594	2673.0	146.4	130.0
595	427.5	857.6	30.0	596	427.5	857.6	80.0	597	427.5	857.6	130.0
598	427.5	857.6	160.0	599	427.5	857.6	220.0	600	2335.5	302.7	260.0
601	427.5	908.0	-30.0	602	427.5	908.0	30.0	603	427.5	908.0	80.0
604	427.5	908.0	130.0	605	427.5	908.0	160.0	606	427.5	908.0	220.0
607	2673.0	146.4	160.0	608	2335.5	50.4	276.7	609	904.5	50.4	-30.0
610	2673.0	146.4	220.0	611	904.5	0.0	30.0	612	904.5	50.4	30.0
613	904.5	0.0	80.0	614	904.5	50.4	80.0	615	904.5	0.0	130.0
616	904.5	50.4	130.0	617	904.5	0.0	160.0	618	904.5	50.4	160.0
619	904.5	0.0	220.0	620	904.5	50.4	220.0	621	2335.5	908.0	-30.0
622	904.5	655.8	236.7	623	904.5	100.9	-30.0	624	2335.5	0.0	280.0
625	904.5	100.9	30.0	626	904.5	100.9	80.0	627	904.5	100.9	130.0
628	904.5	100.9	160.0	629	904.5	100.9	220.0	630	904.5	706.2	233.3
631	904.5	151.3	-30.0	632	2673.0	768.5	229.2	633	904.5	151.3	30.0
634	904.5	151.3	80.0	635	904.5	151.3	130.0	636	904.5	151.3	160.0
637	904.5	151.3	220.0	638	904.5	756.7	230.0	639	904.5	201.8	-30.0
640	2673.0	195.1	-30.0	641	904.5	201.8	30.0	642	904.5	201.8	80.0
643	904.5	201.8	130.0	644	904.5	201.8	160.0	645	904.5	201.8	220.0
646	904.5	857.6	223.3	647	904.5	252.2	-30.0	648	156.5	0.0	130.0
649	904.5	252.2	30.0	650	904.5	252.2	80.0	651	904.5	252.2	130.0
652	904.5	252.2	160.0	653	904.5	252.2	220.0	654	904.5	807.1	226.7
655	904.5	302.7	-30.0	656	0.0	0.0	30.0	657	904.5	302.7	30.0
658	904.5	302.7	80.0	659	904.5	302.7	130.0	660	904.5	302.7	160.0
661	904.5	302.7	220.0	662	904.5	605.3	240.0	663	904.5	353.1	-30.0
664	2449.2	0.0	80.0	665	904.5	353.1	30.0	666	904.5	353.1	80.0
667	904.5	353.1	130.0	668	904.5	353.1	160.0	669	904.5	353.1	220.0
670	904.5	554.9	243.3	671	904.5	403.6	-30.0	672	2673.0	195.1	30.0
673	904.5	403.6	30.0	674	904.5	403.6	80.0	675	904.5	403.6	130.0
676	904.5	403.6	160.0	677	904.5	403.6	220.0	678	904.5	504.4	246.7
679	904.5	454.0	-30.0	680	2673.0	195.1	80.0	681	904.5	454.0	30.0
682	904.5	454.0	80.0	683	904.5	454.0	130.0	684	904.5	454.0	160.0
685	904.5	454.0	220.0	686	904.5	403.6	253.3	687	904.5	504.4	-30.0
688	156.5	0.0	160.0	689	904.5	504.4	30.0	690	904.5	504.4	80.0
691	904.5	504.4	130.0	692	904.5	504.4	160.0	693	904.5	504.4	220.0
694	904.5	454.0	250.0	695	904.5	554.9	-30.0	696	2673.0	195.1	130.0
697	904.5	554.9	30.0	698	904.5	554.9	80.0	699	904.5	554.9	130.0
700	904.5	554.9	160.0	701	904.5	554.9	220.0	702	904.5	353.1	256.7
703	904.5	605.3	-30.0	704	2673.0	195.1	160.0	705	904.5	605.3	30.0

706	904.5	605.3	80.0	707	904.5	605.3	130.0	708	904.5	605.3	160.0
709	904.5	605.3	220.0	710	904.5	252.2	263.3	711	904.5	655.8	-30.0
712	2673.0	195.1	220.0	713	904.5	655.8	30.0	714	904.5	655.8	80.0
715	904.5	655.8	130.0	716	904.5	655.8	160.0	717	904.5	655.8	220.0
718	904.5	302.7	260.0	719	904.5	706.2	-30.0	720	0.0	62.0	30.0
721	904.5	706.2	30.0	722	904.5	706.2	80.0	723	904.5	706.2	130.0
724	904.5	706.2	160.0	725	904.5	706.2	220.0	726	904.5	151.3	270.0
727	904.5	756.7	-30.0	728	2449.2	0.0	130.0	729	904.5	756.7	30.0
730	904.5	756.7	80.0	731	904.5	756.7	130.0	732	904.5	756.7	160.0
733	904.5	756.7	220.0	734	904.5	201.8	266.7	735	904.5	807.1	-30.0
736	2474.0	0.0	30.0	737	904.5	807.1	30.0	738	904.5	807.1	80.0
739	904.5	807.1	130.0	740	904.5	807.1	160.0	741	904.5	807.1	220.0
742	904.5	50.4	276.7	743	904.5	857.6	-30.0	744	2673.0	722.0	232.3
745	904.5	857.6	30.0	746	904.5	857.6	80.0	747	904.5	857.6	130.0
748	904.5	857.6	160.0	749	904.5	857.6	220.0	750	904.5	100.9	273.3
751	2335.5	201.8	266.7	752	904.5	908.0	30.0	753	904.5	908.0	80.0
754	904.5	908.0	130.0	755	904.5	908.0	160.0	756	2335.5	655.8	-30.0
757	2673.0	243.9	-30.0	758	1381.5	0.0	-30.0	759	1381.5	50.4	-30.0
760	2673.0	675.5	160.0	761	1381.5	0.0	30.0	762	1381.5	50.4	30.0
763	1381.5	0.0	80.0	764	1381.5	50.4	80.0	765	1381.5	0.0	130.0
766	1381.5	50.4	130.0	767	1381.5	0.0	160.0	768	1381.5	50.4	160.0
769	1381.5	0.0	220.0	770	1381.5	50.4	220.0	771	1381.5	0.0	280.0
772	2673.0	243.9	30.0	773	1381.5	100.9	-30.0	774	2673.0	243.9	80.0
775	1381.5	100.9	30.0	776	1381.5	100.9	80.0	777	1381.5	100.9	130.0
778	1381.5	100.9	160.0	779	1381.5	100.9	220.0	780	1381.5	50.4	276.7
781	1381.5	151.3	-30.0	782	2673.0	243.9	130.0	783	1381.5	151.3	30.0
784	1381.5	151.3	80.0	785	1381.5	151.3	130.0	786	1381.5	151.3	160.0
787	1381.5	151.3	220.0	788	1381.5	100.9	273.3	789	1381.5	201.8	-30.0
790	2673.0	243.9	160.0	791	1381.5	201.8	30.0	792	1381.5	201.8	80.0
793	1381.5	201.8	130.0	794	1381.5	201.8	160.0	795	1381.5	201.8	220.0
796	1381.5	151.3	270.0	797	1381.5	252.2	-30.0	798	0.0	0.0	80.0
799	1381.5	252.2	30.0	800	1381.5	252.2	80.0	801	1381.5	252.2	130.0
802	1381.5	252.2	160.0	803	1381.5	252.2	220.0	804	1381.5	201.8	266.7
805	1381.5	302.7	-30.0	806	2449.2	0.0	160.0	807	1381.5	302.7	30.0
808	1381.5	302.7	80.0	809	1381.5	302.7	130.0	810	1381.5	302.7	160.0
811	1381.5	302.7	220.0	812	1381.5	252.2	263.3	813	1381.5	353.1	-30.0
814	2673.0	243.9	220.0	815	1381.5	353.1	30.0	816	1381.5	353.1	80.0
817	1381.5	353.1	130.0	818	1381.5	353.1	160.0	819	1381.5	353.1	220.0
820	1381.5	302.7	260.0	821	1381.5	403.6	-30.0	822	2335.5	100.9	273.3
823	1381.5	403.6	30.0	824	1381.5	403.6	80.0	825	1381.5	403.6	130.0
826	1381.5	403.6	160.0	827	1381.5	403.6	220.0	828	1381.5	353.1	256.7
829	1381.5	454.0	-30.0	830	2673.0	292.7	-30.0	831	1381.5	454.0	30.0
832	1381.5	454.0	80.0	833	1381.5	454.0	130.0	834	1381.5	454.0	160.0
835	1381.5	454.0	220.0	836	1381.5	403.6	253.3	837	1381.5	504.4	-30.0
838	2335.5	0.0	-30.0	839	1381.5	504.4	30.0	840	1381.5	504.4	80.0
841	1381.5	504.4	130.0	842	1381.5	504.4	160.0	843	1381.5	504.4	220.0
844	1381.5	454.0	250.0	845	1381.5	554.9	-30.0	846	2673.0	292.7	30.0
847	1381.5	554.9	30.0	848	1381.5	554.9	80.0	849	1381.5	554.9	130.0
850	1381.5	554.9	160.0	851	1381.5	554.9	220.0	852	1381.5	504.4	246.7
853	1381.5	605.3	-30.0	854	2673.0	292.7	80.0	855	1381.5	605.3	30.0
856	1381.5	605.3	80.0	857	1381.5	605.3	130.0	858	1381.5	605.3	160.0
859	1381.5	605.3	220.0	860	1381.5	554.9	243.3	861	1381.5	655.8	-30.0
862	0.0	62.0	80.0	863	1381.5	655.8	30.0	864	1381.5	655.8	80.0
865	1381.5	655.8	130.0	866	1381.5	655.8	160.0	867	1381.5	655.8	220.0
868	1381.5	605.3	240.0	869	1381.5	706.2	-30.0	870	2449.2	0.0	220.0
871	1381.5	706.2	30.0	872	1381.5	706.2	80.0	873	1381.5	706.2	130.0
874	1381.5	706.2	160.0	875	1381.5	706.2	220.0	876	1381.5	655.8	236.7
877	1381.5	756.7	-30.0	878	2673.0	292.7	130.0	879	1381.5	756.7	30.0
880	1381.5	756.7	80.0	881	1381.5	756.7	130.0	882	1381.5	756.7	160.0
883	1381.5	756.7	220.0	884	1381.5	706.2	233.3	885	1381.5	807.1	-30.0
886	2673.0	292.7	160.0	887	1381.5	807.1	30.0	888	1381.5	807.1	80.0
889	1381.5	807.1	130.0	890	1381.5	807.1	160.0	891	1381.5	807.1	220.0
892	1381.5	756.7	230.0	893	1381.5	857.6	-30.0	894	2673.0	292.7	220.0
895	1381.5	857.6	30.0	896	1381.5	857.6	80.0	897	1381.5	857.6	130.0
898	1381.5	857.6	160.0	899	1381.5	857.6	220.0	900	1381.5	807.1	226.7
901	1381.5	908.0	-30.0	902	1381.5	908.0	30.0	903	1381.5	908.0	80.0
904	1381.5	908.0	130.0	905	1381.5	908.0	160.0	906	1381.5	908.0	220.0
907	1381.5	857.6	223.3	908	1858.5	0.0	-30.0	909	1858.5	50.4	-30.0
910	2673.0	675.5	235.4	911	1858.5	0.0	30.0	912	1858.5	50.4	30.0
913	1858.5	0.0	80.0	914	1858.5	50.4	80.0	915	1858.5	0.0	130.0
916	1858.5	50.4	130.0	917	1858.5	0.0	160.0	918	1858.5	50.4	160.0
919	1858.5	0.0	220.0	920	1858.5	50.4	220.0	921	2335.5	908.0	30.0
922	2673.0	341.5	-30.0	923	1858.5	100.9	-30.0	924	2673.0	341.5	30.0
925	1858.5	100.9	30.0	926	1858.5	100.9	80.0	927	1858.5	100.9	130.0
928	1858.5	100.9	160.0	929	1858.5	100.9	220.0	930	1858.5	50.4	276.7
931	1858.5	151.3	-30.0	932	0.0	0.0	130.0	933	1858.5	151.3	30.0
934	1858.5	151.3	80.0	935	1858.5	151.3	130.0	936	1858.5	151.3	160.0
937	1858.5	151.3	220.0	938	1858.5	100.9	273.3	939	1858.5	201.8	-30.0
940	2335.5	908.0	80.0	941	1858.5	201.8	30.0	942	1858.5	201.8	80.0
943	1858.5	201.8	130.0	944	1858.5	201.8	160.0	945	1858.5	201.8	220.0
946	1858.5	151.3	270.0	947	1858.5	252.2	-30.0	948	2673.0	341.5	80.0
949	1858.5	252.2	30.0	950	1858.5	252.2	80.0	951	1858.5	252.2	130.0
952	1858.5	252.2	160.0	953	1858.5	252.2	220.0	954	1858.5	201.8	266.7
955	1858.5	302.7	-30.0	956	2673.0	341.5	130.0	957	1858.5	302.7	30.0
958	1858.5	302.7	80.0	959	1858.5	302.7	130.0	960	1858.5	302.7	160.0
961	1858.5	302.7	220.0	962	1858.5	252.2	263.3	963	1858.5	353.1	-30.0
964	2673.0	341.5	160.0	965	1858.5	353.1	30.0	966	1858.5	353.1	80.0
967	1858.5	353.1	130.0	968	1858.5	353.1	160.0	969	1858.5	353.1	220.0
970	1858.5	302.7	260.0	971	1858.5	403.6	-30.0	972	2673.0	341.5	220.0
973	1858.5	403.6	30.0	974	1858.5	403.6	80.0	975	1858.5	403.6	130.0
976	1858.5	403.6	160.0	977	1858.5	403.6	220.0	978	1858.5	353.1	256.7
979	1858.5	454.0	-30.0	980	2335.5	756.7	80.0	981	1858.5	454.0	30.0
982	1858.5	454.0	80.0	983	1858.5	454.0	130.0	984	1858.5	454.0	160.0
985	1858.5	454.0	220.0	986	1858.5	403.6	253.3	987	1858.5	504.4	-30.0
988	2335.5	908.0	130.0	989	1858.5	504.4	30.0	990	1858.5	504.4	80.0
991	1858.5	504.4	130.0	992	1858.5	504.4	160.0	993	1858.5	504.4	220.0
994	1858.5	454.0	250.0	995	1858.5	554.9	-30.0	996	2335.5	655.8	30.0
997	1858.5	554.9	30.0	998	1858.5	554.9	80.0	999	1858.5	554.9	130.0
1000	1858.5	554.9	160.0	1001	1858.5	554.9	220.0	1002	1858.5	504.4	246.7
1003	1858.5	605.3	-30.0	1004	2673.0	675.5	220.0	1005	1858.5	605.3	30.0
1006	1858.5	605.3	80.0	1007	1858.5	605.3	130.0	1008	1858.5	605.3	160.0

1009	1858.5	605.3	220.0	1010	1858.5	554.9	243.3	1011	1858.5	655.8	-30.0
1012	2673.0	195.1	267.1	1013	1858.5	655.8	30.0	1014	1858.5	655.8	80.0
1015	1858.5	655.8	130.0	1016	1858.5	655.8	160.0	1017	1858.5	655.8	220.0
1018	1858.5	605.3	240.0	1019	1858.5	706.2	-30.0	1020	2673.0	722.0	-30.0
1021	1858.5	706.2	30.0	1022	1858.5	706.2	80.0	1023	1858.5	706.2	130.0
1024	1858.5	706.2	160.0	1025	1858.5	706.2	220.0	1026	1858.5	655.8	236.7
1027	1858.5	756.7	-30.0	1028	2335.5	908.0	160.0	1029	1858.5	756.7	30.0
1030	1858.5	756.7	80.0	1031	1858.5	756.7	130.0	1032	1858.5	756.7	160.0
1033	1858.5	756.7	220.0	1034	1858.5	706.2	233.3	1035	1858.5	807.1	-30.0
1036	2673.0	722.0	30.0	1037	1858.5	807.1	30.0	1038	1858.5	807.1	80.0
1039	1858.5	807.1	130.0	1040	1858.5	807.1	160.0	1041	1858.5	807.1	220.0
1042	1858.5	756.7	230.0	1043	1858.5	857.6	-30.0	1044	2673.0	722.0	80.0
1045	1858.5	857.6	30.0	1046	1858.5	857.6	80.0	1047	1858.5	857.6	130.0
1048	1858.5	857.6	160.0	1049	1858.5	857.6	220.0	1050	1858.5	807.1	226.7
1051	2335.5	655.8	80.0	1052	1858.5	908.0	30.0	1053	1858.5	908.0	80.0
1054	1858.5	908.0	130.0	1055	1858.5	908.0	160.0	1056	2335.5	655.8	130.0
1057	1858.5	857.6	223.3	1058	2335.5	908.0	220.0	1059	2335.5	50.4	-30.0
1060	156.5	0.0	220.0	1061	2335.5	0.0	30.0	1062	2335.5	50.4	30.0
1063	2335.5	0.0	80.0	1064	2335.5	50.4	80.0	1065	2335.5	0.0	130.0
1066	2335.5	50.4	130.0	1067	2335.5	0.0	160.0	1068	2335.5	50.4	160.0
1069	2335.5	0.0	220.0	1070	2335.5	50.4	220.0	1071	2335.5	807.1	80.0
1072	2335.5	857.6	223.3	1073	2335.5	100.9	-30.0	1074	369.6	908.0	80.0
1075	2335.5	100.9	30.0	1076	2335.5	100.9	80.0	1077	2335.5	100.9	130.0
1078	2335.5	100.9	160.0	1079	2335.5	100.9	220.0	1080	2335.5	807.1	226.7
1081	2335.5	151.3	-30.0	1082	369.6	908.0	30.0	1083	2335.5	151.3	30.0
1084	2335.5	151.3	80.0	1085	2335.5	151.3	130.0	1086	2335.5	151.3	160.0
1087	2335.5	151.3	220.0	1088	2335.5	756.7	230.0	1089	2335.5	201.8	-30.0
1090	369.6	908.0	130.0	1091	2335.5	201.8	30.0	1092	2335.5	201.8	80.0
1093	2335.5	201.8	130.0	1094	2335.5	201.8	160.0	1095	2335.5	201.8	220.0
1096	2335.5	706.2	233.3	1097	2335.5	252.2	-30.0	1098	369.6	908.0	160.0
1099	2335.5	252.2	30.0	1100	2335.5	252.2	80.0	1101	2335.5	252.2	130.0
1102	2335.5	252.2	160.0	1103	2335.5	252.2	220.0	1104	2335.5	605.3	240.0
1105	2335.5	302.7	-30.0	1106	2335.5	655.8	160.0	1107	2335.5	302.7	30.0
1108	2335.5	302.7	80.0	1109	2335.5	302.7	130.0	1110	2335.5	302.7	160.0
1111	2335.5	302.7	220.0	1112	2335.5	655.8	236.7	1113	2335.5	353.1	-30.0
1114	2.08e-04	667.2	235.9	1115	2335.5	353.1	30.0	1116	2335.5	353.1	80.0
1117	2335.5	353.1	130.0	1118	2335.5	353.1	160.0	1119	2335.5	353.1	220.0
1120	2335.5	554.9	243.3	1121	2335.5	403.6	-30.0	1122	2335.5	655.8	220.0
1123	2335.5	403.6	30.0	1124	2335.5	403.6	80.0	1125	2335.5	403.6	130.0
1126	2335.5	403.6	160.0	1127	2335.5	403.6	220.0	1128	2335.5	504.4	246.7
1129	2335.5	454.0	-30.0	1130	478.4	908.0	160.0	1131	2335.5	454.0	30.0
1132	2335.5	454.0	80.0	1133	2335.5	454.0	130.0	1134	2335.5	454.0	160.0
1135	2335.5	454.0	220.0	1136	2335.5	454.0	250.0	1137	2335.5	504.4	-30.0
1138	369.6	908.0	-30.0	1139	2335.5	504.4	30.0	1140	2335.5	504.4	80.0
1141	2335.5	504.4	130.0	1142	2335.5	504.4	160.0	1143	2335.5	504.4	220.0
1144	2335.5	353.1	256.7	1145	2335.5	554.9	-30.0	1146	2335.5	756.7	130.0
1147	2335.5	554.9	30.0	1148	2335.5	554.9	80.0	1149	2335.5	554.9	130.0

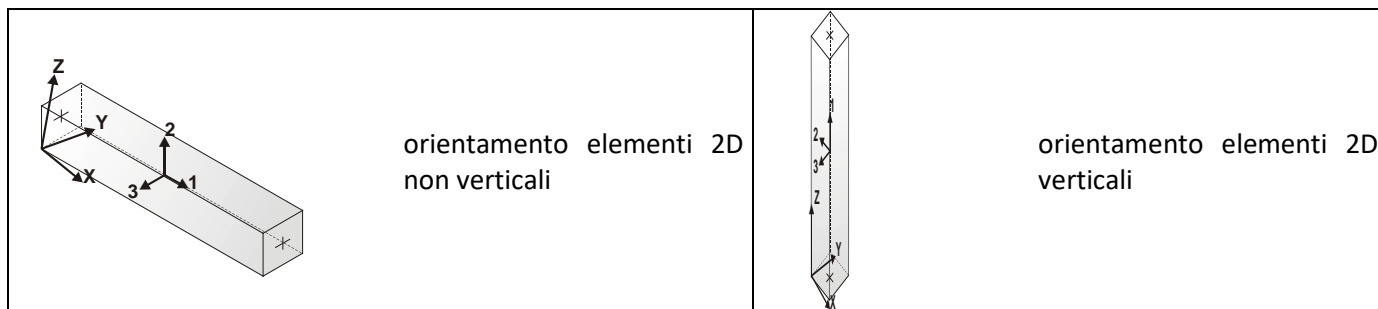
MODELLO



spogliatoiomorgavi

MODELLAZIONE STRUTTURA: ELEMENTI TRAVE

Ogni elemento trave è individuato dal nodo iniziale e dal nodo finale. Ogni elemento è caratterizzato da un insieme di proprietà riportate in tabella che ne completano la modellazione.



In particolare per ogni elemento viene indicato in tabella:

Elem.	numero dell'elemento
Note	codice di comportamento: trave, trave di fondazione, pilastro, asta, asta tesa, asta compressa,
Nodo I (J)	numero del nodo iniziale (finale)
Mat.	codice del materiale assegnato all'elemento
Sez.	codice della sezione assegnata all'elemento
Rotaz.	valore della rotazione dell'elemento, attorno al proprio asse, nel caso in cui l'orientamento di default non sia adottabile; l'orientamento di default prevede per gli elementi non verticali l'asse 2 contenuto nel piano verticale e l'asse 3 orizzontale, per gli elementi verticali l'asse 2 diretto secondo X negativo e l'asse 3 diretto secondo Y negativo
Svincolo I (J)	codici di svincolo per le azioni interne; i primi sei codici si riferiscono al nodo iniziale, i restanti sei al nodo finale (il valore 1 indica che la relativa azione interna non è attiva)
Wink V	costante di sottofondo (coefficiente di Winkler) per la modellazione della trave su suolo elastico
Wink O	costante di sottofondo (coefficiente di Winkler) per la modellazione del suolo elastico orizzontale

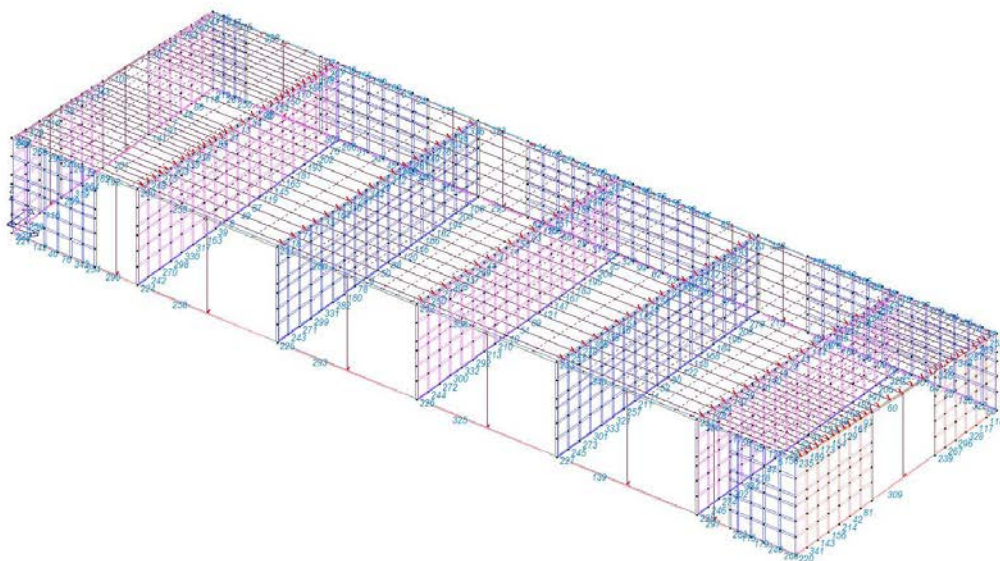
Elem.	Note	Nodo I	Nodo J	Mat.	Sez.	Rotaz. gradi	Svincolo I	Svincolo J	Wink V daN/cm3	Wink O daN/cm3
1	Trave	726	734	1	1	0.0				
2	Trave	260	268	1	1					
3	Trave	114	584	1	9					
4	Trave	828	836	1	1					
5	Trave	910	744	1	10					
6	Trave f.	1113	1121	1	6				1.31	0.68
7	Trave f.	386	402	1	7				1.32	0.68
8	Trave f.	521	529	1	6				1.31	0.68
9	Trave f.	671	679	1	6				1.31	0.68
10	Trave f.	821	829	1	6				1.31	0.68
11	Trave f.	971	979	1	6	0.0			1.31	0.68
12	Trave f.	1121	1129	1	6				1.31	0.68
13	Trave	276	292	1	1					
14	Trave	836	844	1	1					
15	Trave	986	994	1	1					
16	Trave	1058	143	1	5					
17	Trave	51	73	1	4					
18	Trave	742	750	1	1					
19	Trave	1144	204	1	1					
20	Trave	391	405	1	4					
21	Trave f.	385	377	1	7	0.0			1.32	0.68
22	Trave f.	269	901	1	7				1.32	0.68
23	Trave f.	245	237	1	7				1.32	0.68
24	Trave	359	351	1	5					
25	Trave f.	121	113	1	7				1.32	0.68
26	Trave	291	283	1	5					
27	Trave	57	606	1	5					
28	Trave f.	285	277	1	7				1.32	0.68
29	Trave	694	678	1	1					
30	Trave	213	1114	1	9					
31	Trave	284	276	1	1	0.0				
32	Trave	151	1058	1	5					
33	Trave	734	710	1	1					
34	Trave f.	621	137	1	7				1.32	0.68
35	Trave f.	893	901	1	6				1.31	0.68
36	Trave f.	130	1138	1	7				1.32	0.68
37	Trave	275	906	1	5					
38	Trave	376	384	1	9					
39	Trave f.	513	521	1	6				1.31	0.68
40	Trave f.	185	177	1	7				1.32	0.68
41	Trave	405	412	1	4	0.0				
42	Trave f.	757	830	1	8				1.32	0.68
43	Trave	1136	1128	1	1					
44	Trave	820	828	1	1					
45	Trave f.	369	361	1	7				1.32	0.68
46	Trave f.	178	262	1	8				1.32	0.68
47	Trave f.	1105	1113	1	6				1.31	0.68
48	Trave f.	402	413	1	7				1.32	0.68
49	Trave f.	529	537	1	6				1.31	0.68
50	Trave f.	679	687	1	6				1.31	0.68
51	Trave f.	829	837	1	6	0.0			1.31	0.68
52	Trave f.	979	987	1	6				1.31	0.68
53	Trave f.	1129	1137	1	6				1.31	0.68
54	Trave	292	300	1	1					
55	Trave	844	852	1	1					
56	Trave	994	1002	1	1					
57	Trave	103	106	1	5					
58	Trave	73	81	1	4					
59	Trave	751	427	1	1					
60	Trave	210	80	1	10					
61	Trave	970	978	1	1	0.0				
62	Trave f.	253	245	1	7				1.32	0.68

63	Trave	367	359	1	5			
64	Trave f.	129	121	1	7		1.32	0.68
65	Trave	299	291	1	5			
66	Trave f.	293	285	1	7		1.32	0.68
67	Trave	227	220	1	5			
68	Trave	159	151	1	5			
69	Trave	1120	1104	1	1			
70	Trave	111	103	1	5			
71	Trave	750	726	1	1			
72	Trave	204	1136	1	1			
73	Trave f.	237	229	1	7		1.32	0.68
74	Trave	1114	114	1	9	0.0		
75	Trave f.	593	601	1	6		1.31	0.68
76	Trave f.	262	339	1	8		1.32	0.68
77	Trave	384	437	1	9	0.0		
78	Trave f.	663	671	1	6		1.31	0.68
79	Trave f.	145	621	1	7		1.32	0.68
80	Trave f.	97	53	1	7		1.32	0.68
81	Trave f.	830	922	1	8		1.32	0.68
82	Trave	906	267	1	5			
83	Trave	1050	1057	1	1			
84	Trave f.	309	301	1	7		1.32	0.68
85	Trave	268	284	1	1			
86	Trave f.	413	425	1	7		1.32	0.68
87	Trave f.	537	545	1	6		1.31	0.68
88	Trave f.	687	695	1	6		1.31	0.68
89	Trave f.	837	845	1	6		1.31	0.68
90	Trave f.	987	995	1	6		1.31	0.68
91	Trave f.	1137	1145	1	6		1.31	0.68
92	Trave	300	308	1	1			
93	Trave	852	860	1	1			
94	Trave	1002	1010	1	1			
95	Trave	81	88	1	4			
96	Trave	822	207	1	1			
97	Trave	320	210	1	10			
98	Trave	654	646	1	1			
99	Trave f.	261	253	1	7		1.32	0.68
100	Trave	375	367	1	5			
101	Trave f.	137	129	1	7		1.32	0.68
102	Trave	307	299	1	5			
103	Trave f.	301	293	1	7		1.32	0.68
104	Trave	235	227	1	5			
105	Trave	167	159	1	5			
106	Trave	119	111	1	5			
107	Trave	68	213	1	9	0.0		
108	Trave f.	743	338	1	6		1.31	0.68
109	Trave f.	153	145	1	7		1.32	0.68
110	Trave	427	600	1	1			
111	Trave	351	344	1	5			
112	Trave	978	986	1	1			
113	Trave	437	424	1	9	0.0		
114	Trave f.	201	53	1	8		1.32	0.68
115	Trave f.	67	74	1	8		1.32	0.68
116	Trave f.	452	4	1	7		1.32	0.68
117	Trave f.	69	201	1	8		1.32	0.68
118	Trave f.	425	438	1	7		1.32	0.68
119	Trave f.	545	553	1	6		1.31	0.68
120	Trave f.	695	703	1	6		1.31	0.68
121	Trave f.	845	853	1	6		1.31	0.68
122	Trave f.	995	1003	1	6		1.31	0.68
123	Trave f.	1145	205	1	6		1.31	0.68
124	Trave	308	315	1	1			
125	Trave	860	868	1	1			
126	Trave	1010	1018	1	1			
127	Trave	88	96	1	4			
128	Trave	608	822	1	1			
129	Trave	1012	316	1	10			
130	Trave	383	375	1	5			
131	Trave	314	307	1	5			
132	Trave	243	235	1	5			
133	Trave	175	167	1	5			
134	Trave	127	119	1	5			
135	Trave f.	229	222	1	7		1.32	0.68
136	Trave f.	161	153	1	7		1.32	0.68
137	Trave	207	751	1	1			
138	Trave f.	113	105	1	7		1.32	0.68
139	Trave f.	908	838	1	8		1.32	0.68
140	Trave	600	1144	1	1			
141	Trave f.	325	335	1	7		1.32	0.68
142	Trave f.	122	178	1	8		1.32	0.68
143	Trave f.	514	562	1	8		1.32	0.68
144	Trave	1128	1120	1	1			
145	Trave f.	553	561	1	6		1.31	0.68
146	Trave f.	703	711	1	6		1.31	0.68
147	Trave f.	853	861	1	6		1.31	0.68
148	Trave f.	1003	1011	1	6		1.31	0.68
149	Trave f.	205	756	1	6		1.31	0.68
150	Trave	315	323	1	1			
151	Trave	868	876	1	1			
152	Trave	1018	1026	1	1			
153	Trave	96	506	1	4			
154	Trave	47	1012	1	10			
155	Trave	49	383	1	5			
156	Trave f.	562	640	1	8		1.32	0.68
157	Trave	251	243	1	5			
158	Trave	183	175	1	5			
159	Trave	135	127	1	5			
160	Trave f.	169	161	1	7		1.32	0.68
161	Trave	316	320	1	10			
162	Trave f.	48	58	1	7		1.32	0.68
163	Trave f.	505	513	1	6		1.31	0.68

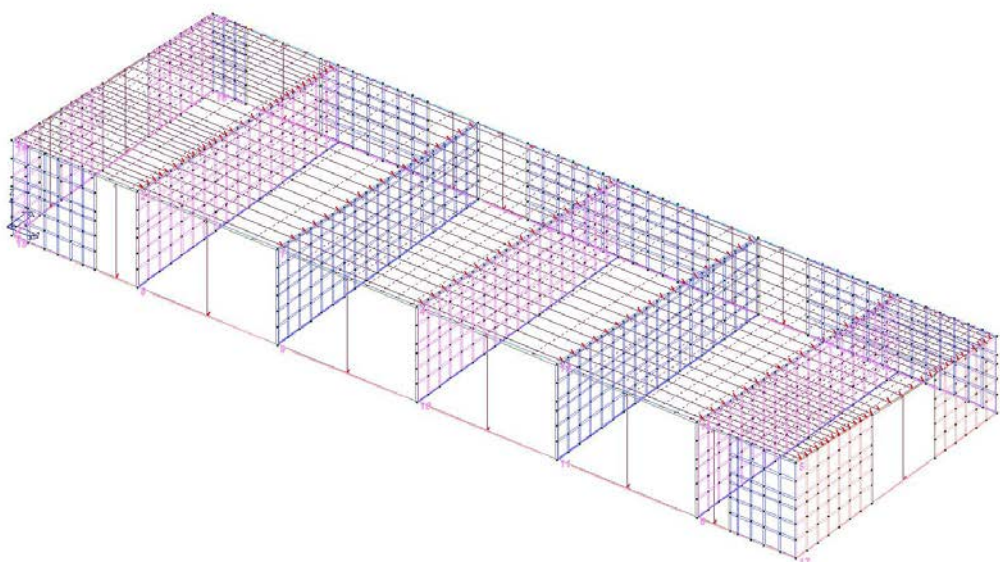
164	Trave	710	718	1	1		
165	Trave f.	561	569	1	6	1.31	0.68
166	Trave f.	711	719	1	6	1.31	0.68
167	Trave f.	861	869	1	6	1.31	0.68
168	Trave f.	1011	1019	1	6	1.31	0.68
169	Trave f.	756	435	1	6	1.31	0.68
170	Trave	323	330	1	1		
171	Trave	876	884	1	1		
172	Trave	1026	1034	1	1		
173	Trave	209	47	1	10		
174	Trave f.	222	214	1	7	1.32	0.68
175	Trave	259	251	1	5		
176	Trave	190	183	1	5		
177	Trave	143	135	1	5		
178	Trave f.	177	169	1	7	1.32	0.68
179	Trave f.	74	82	1	8	1.32	0.68
180	Trave f.	655	663	1	6	1.31	0.68
181	Trave f.	569	577	1	6	1.31	0.68
182	Trave f.	719	727	1	6	1.31	0.68
183	Trave f.	869	877	1	6	1.31	0.68
184	Trave f.	1019	1027	1	6	1.31	0.68
185	Trave f.	435	59	1	6	1.31	0.68
186	Trave	330	337	1	1		
187	Trave	884	892	1	1		
188	Trave	1034	1042	1	1		
189	Trave	31	209	1	10		
190	Trave	267	259	1	5		
191	Trave f.	335	386	1	7	1.32	0.68
192	Trave	412	420	1	4		
193	Trave f.	577	585	1	6	1.31	0.68
194	Trave f.	727	735	1	6	1.31	0.68
195	Trave f.	877	885	1	6	1.31	0.68
196	Trave f.	1027	1035	1	6	1.31	0.68
197	Trave f.	59	417	1	6	1.31	0.68
198	Trave	337	345	1	1		
199	Trave	892	900	1	1		
200	Trave	1042	1050	1	1		
201	Trave f.	58	325	1	7	1.32	0.68
202	Trave f.	585	593	1	6	1.31	0.68
203	Trave f.	735	743	1	6	1.31	0.68
204	Trave f.	885	893	1	6	1.31	0.68
205	Trave f.	1035	1043	1	6	1.31	0.68
206	Trave f.	417	212	1	6	1.31	0.68
207	Trave	345	606	1	1		
208	Trave	900	907	1	1		
209	Trave	283	275	1	5		
210	Trave f.	813	821	1	6	1.31	0.68
211	Trave f.	963	971	1	6	1.31	0.68
212	Trave f.	361	353	1	7	1.32	0.68
213	Trave f.	805	813	1	6	1.31	0.68
214	Trave f.	640	757	1	8	1.32	0.68
215	Trave f.	214	185	1	7	1.32	0.68
216	Trave	360	376	1	9	0.0	
217	Trave	1112	1096	1	1		
218	Trave f.	1097	1105	1	6	1.31	0.68
219	Trave f.	438	160	1	7	1.32	0.68
220	Trave f.	447	448	1	8	1.32	0.68
221	Trave f.	474	122	1	8	1.32	0.68
222	Trave f.	474	530	1	7	1.32	0.68
223	Trave	1057	220	1	1		
224	Trave f.	421	459	1	6	1.31	0.68
225	Trave f.	436	609	1	6	1.31	0.68
226	Trave f.	758	759	1	6	1.31	0.68
227	Trave f.	908	909	1	6	1.31	0.68
228	Trave f.	838	1059	1	6	1.31	0.68
229	Trave	44	352	1	9	0.0	
230	Trave	420	221	1	1		
231	Trave	444	742	1	1		
232	Trave	771	780	1	1		
233	Trave	341	930	1	1		
234	Trave	624	608	1	1		
235	Trave	506	31	1	10		
236	Trave	443	206	1	5		
237	Trave	44	170	1	4		
238	Trave	252	260	1	1		
239	Trave f.	211	340	1	8	1.32	0.68
240	Trave f.	82	89	1	8	1.32	0.68
241	Trave f.	377	369	1	7	1.32	0.68
242	Trave f.	459	473	1	6	1.31	0.68
243	Trave f.	609	623	1	6	1.31	0.68
244	Trave f.	759	773	1	6	1.31	0.68
245	Trave f.	909	923	1	6	1.31	0.68
246	Trave f.	1059	1073	1	6	1.31	0.68
247	Trave	472	443	1	9	0.0	
248	Trave	221	228	1	1		
249	Trave	622	630	1	1		
250	Trave	780	788	1	1		
251	Trave	930	938	1	1		
252	Trave	1072	1058	1	1		
253	Trave	512	106	1	10		
254	Trave f.	398	406	1	8	1.32	0.68
255	Trave	420	444	1	4		
256	Trave f.	411	130	1	7	1.32	0.68
257	Trave f.	955	963	1	6	1.31	0.68
258	Trave f.	421	436	1	8	1.32	0.68
259	Trave f.	530	452	1	7	1.32	0.68
260	Trave	536	472	1	9	0.0	
261	Trave	662	622	1	1		
262	Trave	1080	1072	1	1		
263	Trave	560	512	1	10		
264	Trave f.	36	48	1	7	1.32	0.68

265	Trave	170	254	1	4		
266	Trave f.	601	385	1	7	1.32	0.68
267	Trave f.	340	1020	1	8	1.32	0.68
268	Trave f.	89	447	1	8	1.32	0.68
269	Trave f.	4	20	1	7	1.32	0.68
270	Trave f.	473	481	1	6	1.31	0.68
271	Trave f.	623	631	1	6	1.31	0.68
272	Trave f.	773	781	1	6	1.31	0.68
273	Trave f.	923	931	1	6	1.31	0.68
274	Trave f.	1073	1081	1	6	1.31	0.68
275	Trave	228	236	1	1		
276	Trave	630	638	1	1		
277	Trave	788	796	1	1		
278	Trave	938	946	1	1		
279	Trave f.	1043	214	1	6	1.31	0.68
280	Trave	444	771	1	4		
281	Trave f.	160	411	1	7	1.32	0.68
282	Trave f.	647	655	1	6	1.31	0.68
283	Trave f.	45	67	1	8	1.32	0.68
284	Trave	584	536	1	9	0.0	
285	Trave	670	662	1	1		
286	Trave	1088	1080	1	1		
287	Trave	632	560	1	10		
288	Trave	378	57	1	5		
289	Trave	812	820	1	1		
290	Trave f.	406	421	1	8	1.32	0.68
291	Trave	702	686	1	1		
292	Trave f.	797	805	1	6	1.31	0.68
293	Trave f.	436	758	1	8	1.32	0.68
294	Trave	254	319	1	4		
295	Trave f.	338	309	1	7	1.32	0.68
296	Trave f.	1020	578	1	8	1.32	0.68
297	Trave f.	838	45	1	8	1.32	0.68
298	Trave f.	481	489	1	6	1.31	0.68
299	Trave f.	631	639	1	6	1.31	0.68
300	Trave f.	781	789	1	6	1.31	0.68
301	Trave f.	931	939	1	6	1.31	0.68
302	Trave f.	1081	1089	1	6	1.31	0.68
303	Trave	236	244	1	1		
304	Trave	638	654	1	1		
305	Trave	796	804	1	1		
306	Trave	946	954	1	1		
307	Trave f.	1138	601	1	7	1.32	0.68
308	Trave	771	341	1	4		
309	Trave f.	922	211	1	8	1.32	0.68
310	Trave	718	702	1	1		
311	Trave f.	277	269	1	7	1.32	0.68
312	Trave	678	670	1	1		
313	Trave	1096	1088	1	1		
314	Trave	744	632	1	10		
315	Trave	144	378	1	5		
316	Trave	962	970	1	1		
317	Trave f.	497	505	1	6	1.31	0.68
318	Trave f.	346	338	1	7	1.32	0.68
319	Trave f.	20	36	1	7	1.32	0.68
320	Trave f.	212	621	1	6	1.31	0.68
321	Trave f.	947	955	1	6	1.31	0.68
322	Trave f.	105	97	1	7	1.32	0.68
323	Trave	344	314	1	5		
324	Trave	907	906	1	1		
325	Trave f.	758	908	1	8	1.32	0.68
326	Trave	319	391	1	4		
327	Trave f.	901	261	1	7	1.32	0.68
328	Trave f.	578	69	1	8	1.32	0.68
329	Trave	352	360	1	9	0.0	
330	Trave f.	489	497	1	6	1.31	0.68
331	Trave f.	639	647	1	6	1.31	0.68
332	Trave f.	789	797	1	6	1.31	0.68
333	Trave f.	939	947	1	6	1.31	0.68
334	Trave f.	1089	1097	1	6	1.31	0.68
335	Trave	244	252	1	1		
336	Trave	646	344	1	1		
337	Trave	804	812	1	1		
338	Trave	954	962	1	1		
339	Trave	606	49	1	5		
340	Trave	341	624	1	4		
341	Trave f.	448	514	1	8	1.32	0.68
342	Trave f.	339	398	1	8	1.32	0.68
343	Trave	424	68	1	9	0.0	
344	Trave	686	694	1	1		
345	Trave	1104	1112	1	1		
346	Trave	80	910	1	10		
347	Trave	206	144	1	5		
348	Trave	220	190	1	5		
349	Trave f.	353	346	1	7	1.32	0.68
350	Trave	624	51	1	4		

MODELLO



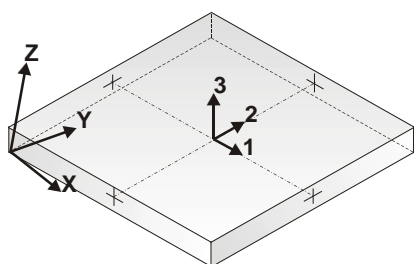
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MODELLO



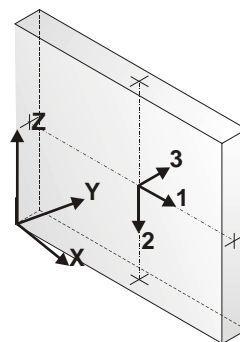
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MODELLAZIONE STRUTTURA: ELEMENTI SHELL

Ogni elemento shell è individuato dai nodi I, J, K, L (L=I per gli elementi a tre nodi). Ogni elemento è caratterizzato da un insieme di proprietà riportate in tabella che ne completano la modellazione.



orientamento elementi 3D non verticali



orientamento elementi 3D verticali

In particolare per ogni elemento viene indicato in tabella:

Elem.	numero dell'elemento
Note	codice di comportamento: <i>Guscio</i> (elemento guscio in elevazione non verticale) <i>Guscio fond.</i> (elemento guscio su suolo elastico) <i>Setto</i> (elemento guscio in elevazione verticale) <i>Membrana</i> (elemento guscio con comportamento membranale)
Nodo I (J, K, L)	numero del nodo I (J, K, L)
Mat.	codice del materiale assegnato all'elemento
Spessore	spessore dell'elemento (costante)
Wink V	costante di sottofondo (coefficiente di Winkler) per la modellazione del suolo elastico verticale
Wink O	costante di sottofondo (coefficiente di Winkler) per la modellazione del suolo elastico orizzontale

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore cm	Svincolo	Wink V daN/cm3	Wink O daN/cm3
1	Setto	980	1071	194	1146	23	24.0			
2	Setto	1146	194	192	39	23	24.0			
3	Setto	921	139	137	621	23	24.0			
4	Setto	940	140	139	921	23	24.0			
5	Setto	988	141	140	940	23	24.0			
6	Setto	1028	142	141	988	23	24.0			
7	Setto	1058	143	142	1028	23	24.0			
8	Setto	567	575	323	315	23	24.0			
9	Setto	39	192	198	415	23	24.0			
10	Setto	147	921	621	145	23	24.0			
11	Setto	148	940	921	147	23	24.0			
12	Setto	149	988	940	148	23	24.0			
13	Setto	150	1028	988	149	23	24.0			
14	Setto	151	1058	1028	150	23	24.0			
15	Setto	1070	1079	822	608	23	24.0			
16	Setto	141	133	132	140	23	24.0			
17	Setto	155	147	145	153	23	24.0			
18	Setto	156	148	147	155	23	24.0			
19	Setto	157	149	148	156	23	24.0			
20	Setto	158	150	149	157	23	24.0			
21	Setto	159	151	150	158	23	24.0			
22	Setto	1004	504	744	910	23	24.0			
23	Setto	142	134	133	141	23	24.0			
24	Setto	163	155	153	161	23	24.0			
25	Setto	164	156	155	163	23	24.0			
26	Setto	165	157	156	164	23	24.0			
27	Setto	166	158	157	165	23	24.0			
28	Setto	167	159	158	166	23	24.0			
29	Setto	417	212	322	592	23	24.0			
30	Setto	143	135	134	142	23	24.0			
31	Setto	171	163	161	169	23	24.0			
32	Setto	172	164	163	171	23	24.0			
33	Setto	173	165	164	172	23	24.0			
34	Setto	174	166	165	173	23	24.0			
35	Setto	175	167	166	174	23	24.0			
36	Setto	592	322	331	1071	23	24.0			
37	Setto	1071	331	336	194	23	24.0			
38	Setto	179	171	169	177	23	24.0			
39	Setto	180	172	171	179	23	24.0			
40	Setto	181	173	172	180	23	24.0			
41	Setto	182	174	173	181	23	24.0			
42	Setto	183	175	174	182	23	24.0			
43	Setto	194	336	60	192	23	24.0			
44	Setto	192	60	458	198	23	24.0			
45	Setto	186	179	177	185	23	24.0			
46	Setto	187	180	179	186	23	24.0			
47	Setto	188	181	180	187	23	24.0			
48	Setto	189	182	181	188	23	24.0			
49	Setto	190	183	182	189	23	24.0			
50	Setto	1079	1087	207	822	23	24.0			
51	Setto	1090	604	603	1074	23	24.0			
52	Setto	212	621	921	322	23	24.0			
53	Setto	322	921	940	331	23	24.0			
54	Setto	331	940	988	336	23	24.0			
55	Setto	336	988	1028	60	23	24.0			
56	Setto	60	1028	1058	458	23	24.0			
57	Setto	575	583	330	323	23	24.0			
58	Setto	1069	1070	608	624	23	24.0			
59	Setto	1098	605	604	1090	23	24.0			
60	Setto	474	530	720	656	23	24.0			
61	Setto	656	720	862	798	23	24.0			
62	Setto	798	862	5	932	23	24.0			
63	Setto	932	5	21	13	23	24.0			
64	Setto	13	21	37	29	23	24.0			
65	Setto	29	37	352	44	23	24.0			
66	Setto	57	606	605	1098	23	24.0			
67	Setto	530	452	17	720	23	24.0			
68	Setto	720	17	33	862	23	24.0			
69	Setto	862	33	76	5	23	24.0			
70	Setto	5	76	77	21	23	24.0			
71	Setto	112	203	130	411	23	24.0			
72	Setto	21	77	195	37	23	24.0			
73	Setto	37	195	360	352	23	24.0			
74	Setto	814	894	320	316	23	24.0			
75	Setto	757	830	846	772	23	24.0			
76	Setto	772	846	854	774	23	24.0			
77	Setto	774	854	878	782	23	24.0			
78	Setto	120	219	203	112	23	24.0			
79	Setto	527	535	276	284	23	24.0			
80	Setto	782	878	886	790	23	24.0			

81	Setto	790	886	894	814	23	24.0
82	Setto	146	215	193	138	23	24.0
83	Setto	340	1020	1036	403	23	24.0
84	Setto	830	922	924	846	23	24.0
85	Setto	128	321	219	120	23	24.0
86	Setto	846	924	948	854	23	24.0
87	Setto	854	948	956	878	23	24.0
88	Setto	878	956	964	886	23	24.0
89	Setto	886	964	972	894	23	24.0
90	Setto	318	1004	910	80	23	24.0
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92	Setto	136	334	321	128	23	24.0
93	Setto	8	25	26	10	23	24.0
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97	Setto	234	226	225	233	23	24.0
98	Setto	235	227	226	234	23	24.0
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107	Setto	11	27	28	12	23	24.0
108	Setto	247	239	237	245	23	24.0
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122	Setto	263	255	253	261	23	24.0
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126	Setto	267	259	258	266	23	24.0
127	Setto	184	120	112	176	23	24.0
128	Setto	16	32	384	376	23	24.0
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130	Setto	903	264	263	902	23	24.0
131	Setto	904	265	264	903	23	24.0
132	Setto	905	266	265	904	23	24.0
133	Setto	906	267	266	905	23	24.0
134	Setto	191	128	120	184	23	24.0
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160	Setto	298	290	289	297	23	24.0
161	Setto	299	291	290	298	23	24.0
162	Setto	132	124	123	131	23	24.0
163	Setto	133	125	124	132	23	24.0
164	Setto	303	295	293	301	23	24.0
165	Setto	304	296	295	303	23	24.0
166	Setto	305	297	296	304	23	24.0
167	Setto	306	298	297	305	23	24.0
168	Setto	307	299	298	306	23	24.0
169	Setto	439	176	160	438	23	24.0
170	Setto	134	126	125	133	23	24.0
171	Setto	310	303	301	309	23	24.0
172	Setto	311	304	303	310	23	24.0
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176	Setto	440	184	176	439	23	24.0
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178	Setto	26	41	42	27	23	24.0
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185	Setto	40	50	52	41	23	24.0
186	Setto	41	52	54	42	23	24.0
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189	Setto	46	56	424	437	23	24.0
190	Setto	442	199	191	441	23	24.0
191	Setto	449	152	35	760	23	24.0
192	Setto	48	58	61	50	23	24.0
193	Setto	50	61	62	52	23	24.0
194	Setto	52	62	63	54	23	24.0
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197	Setto	443	206	199	442	23	24.0
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199	Setto	56	65	68	424	23	24.0
200	Setto	760	35	504	1004	23	24.0
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202	Setto	154	230	215	146	23	24.0
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204	Setto	599	606	345		23	24.0
205	Setto	1036	397	1	1044	23	24.0
206	Setto	1044	1	2	152	23	24.0
207	Setto	152	2	3	35	23	24.0
208	Setto	35	3	19	504	23	24.0
209	Setto	712	814	316	1012	23	24.0
210	Setto	162	238	230	154	23	24.0
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212	Setto	578	69	72	397	23	24.0
213	Setto	397	72	79	1	23	24.0
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218	Setto	470	479	228	221	23	24.0
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226	Setto	69	201	71	72	23	24.0
227	Setto	363	355	353	361	23	24.0
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233	Setto	84	92	91	83	23	24.0
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253	Setto	511	519	268	260	23	24.0
254	Setto	196	9	15	202	23	24.0
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257	Setto	604	389	388	603	23	24.0
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262	Setto	1082	602	601	1138	23	24.0
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269	Setto	535	543	292	276	23	24.0
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278	Setto	85	93	92	84	23	24.0
279	Setto	421	459	462	461	23	24.0
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285	Setto	798	146	138	656	23	24.0
286	Setto	459	473	475	462	23	24.0
287	Setto	462	475	476	464	23	24.0
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289	Setto	466	477	478	468	23	24.0
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291	Setto	932	154	146	798	23	24.0
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293	Setto	473	481	483	475	23	24.0
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307	Setto	489	497	499	491	23	24.0
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327	Setto	335	386	393	342	23	24.0
328	Setto	513	521	523	515	23	24.0
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368	Setto	396	409	410	400	23	24.0
369	Setto	115	107	105	113	23	24.0
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378	Setto	571	579	580	572	23	24.0
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382	Setto	117	109	108	116	23	24.0
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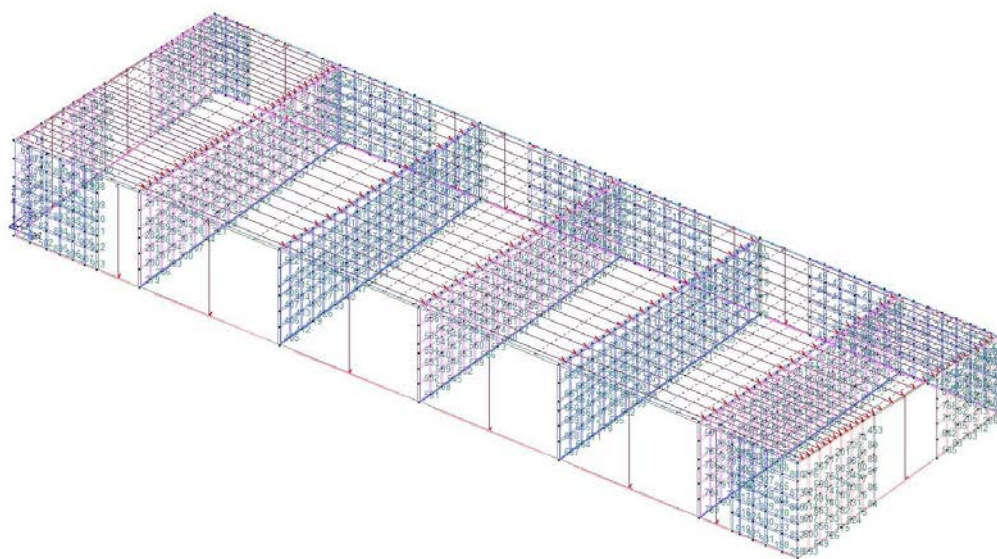
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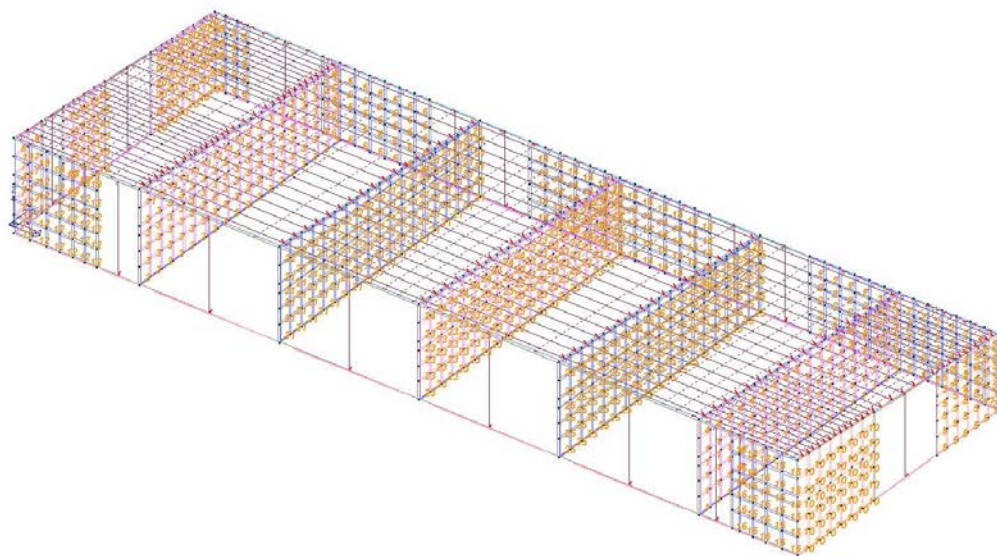
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931	Setto	278	83	82	74	23	24.0

MODELLO

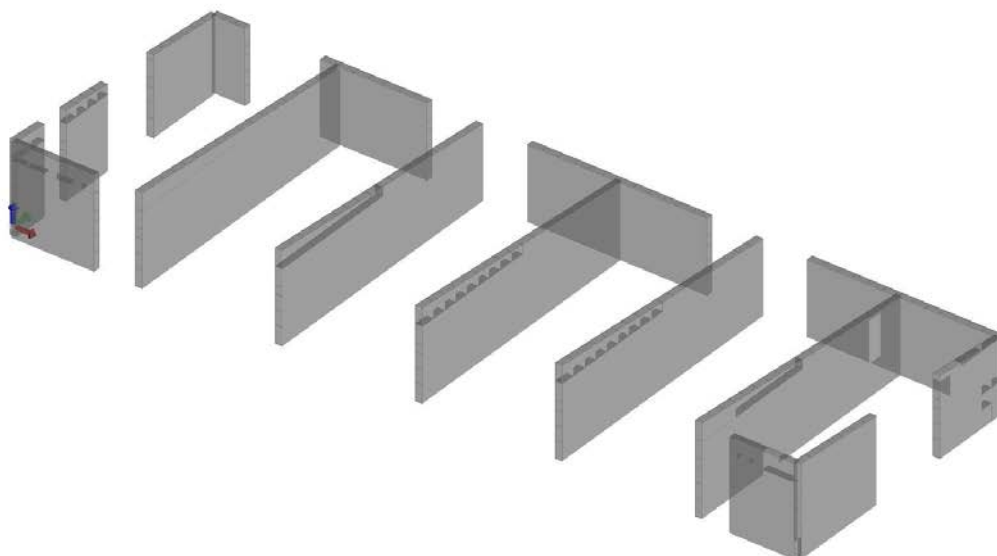


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MODELLO



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MODELLO



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MODELLAZIONE DELLA STRUTTURA: ELEMENTI SOLAIO-PANNELLO

Ogni elemento solaio è individuato da una poligonale di nodi 1,2, ..., N. L'elemento solaio è utilizzato in primo luogo per la modellazione dei carichi agenti sugli elementi strutturali. In secondo luogo è utilizzato per la corretta ripartizione delle forze orizzontali agenti nel proprio piano. I carichi agenti sugli elementi solaio, raccolti in un archivio, sono direttamente assegnati agli elementi utilizzando le informazioni raccolte nell' archivio (es. i coefficienti combinatori). La tabella seguente riporta i dati utilizzati per la definizione dei carichi e delle masse. L'elemento pannello è utilizzato per l'applicazione dei carichi, quali pesi delle tamponature. In questo caso i carichi sono applicati in analogia agli altri elementi strutturali (si veda il cap. SCHEMATIZZAZIONE DEI CASI DI CARICO).

Id.Arch.	Identificativo dell' archivio
Tipo	Tipo di carico Variab. Carico variabile generico Var. rid. Carico variabile generico con riduzione in funzione dell' area (c.5.5. ...) Neve Carico di neve
G1k	carico permanente (comprensivo del peso proprio)
G2k	carico permanente non strutturale e non compiutamente definito

Qk	carico variabile
Fatt. A	fattore di riduzione del carico variabile (0.5 o 0.75) per tipo "Var. rid."
S sis.	fattore di riduzione del carico variabile per la definizione delle masse sismiche per D.M. 96 (vedi NOTA sul capitolo "normativa di riferimento")
Psi 0	Coefficiente combinatorio dei valori caratteristici delle azioni variabili: per valore raro
Psi 1	Coefficiente combinatorio dei valori caratteristici delle azioni variabili: per valore frequente
Psi 2	Coefficiente combinatorio dei valori caratteristici delle azioni variabili: per valore quasi permanente
Psi S 2	Coefficiente di combinazione che fornisce il valore quasi-permanente dell'azione variabile: per la definizione delle masse sismiche
Fatt. Fi	Coefficiente di correlazione dei carichi per edifici

Ogni elemento è caratterizzato da un insieme di proprietà riportate in tabella che ne completano la modellazione. In particolare per ogni elemento viene indicato in tabella:

Elem	numero dell'elemento
Tipo	codice di comportamento <div style="margin-left: 20px;"> S elemento utilizzato solo per scarico C elemento utilizzato per scarico e per modellazione piano rigido P elemento utilizzato come pannello M scarico monodirezionale B scarico bidirezionale </div>
Id.Arch.	Identificativo dell' archivio
Mat	codice del materiale assegnato all'elemento
Spessore	spessore dell'elemento (costante)
Orditura	angolo (rispetto all'asse X) della direzione dei travetti principali
Gk	carico permanente solaio (comprensivo del peso proprio)
Qk	carico variabile solaio
Nodi	numero dei nodi che definiscono l'elemento (5 per riga)

Per la verifica delle tamponature secondo il D.M. 17.01.2018 - §7.2.3 viene riportata una tabella riassuntiva delle verifiche degli elementi pannello. La verifica confronta i momenti sollecitanti indotti dal sisma con i momenti resistenti, secondo tre ipotesi, due basate sulla resistenza a pressoflessione della tamponatura ed una basata sul cinematisimo a seguito della formazione di tre cerniere plastiche sulla tamponatura (rif. Ufficio di Vigilanza sulle Costruzioni, Provincia di Terni).

Elem.	Numero identificativo dell'elemento
Stato	Codice di verifica
Ver. c.c.	Verifica nell'ipotesi di trave appoggiata con carico concentrato in mezzeria
Ver. c.d.	Verifica nell'ipotesi di trave appoggiata con carico distribuito
Ver. c.cin.	Verifica nell'ipotesi di cinematisimo con formazione di cerniere plastiche in appoggio e mezzeria
Ver. CIS	Rapporto pa/pr (valore minore o uguale a 1 per verifica positiva)
Z	Quota del baricentro dell'elemento
T1	Periodo proprio dell'edificio nella direzione di interesse (ortogonale al pannello)
Ta	Periodo proprio della parete
Sa	Accelerazione massima, adimensionalizzata allo SLV
pa	Pressione sulla parete causata dall'azione sismica
pr	Pressione resistente del meccanismo ad arco
Drift	Spostamento relativo interpiano allo SLV valutato secondo il D.M. 14.01.2018 - § 7.3.3.3
Beta a	Coef. riduttivo per tener conto del danneggiamento del piano dipendente dallo spostamento, ottenuto sperimentalmente

Normativa di riferimento: D.M. 17 gennaio 2018 - NORME TECNICHE PER LE COSTRUZIONI Cap. 3 - AZIONI SULLE COSTRUZIONI - Par. 3.3 e 3.4

Zona Neve = II Periodo di ritorno, Tr = 100 anni

$$C_{tr} = [(1 - \nu (6^{1/2} / \pi) \ln[-\ln(1-1/Tr) + 0.57722]) / (1 + 2.5923\nu)] = 1.13$$

Ce (coeff. di esposizione al vento) = 1,00

Valore caratteristico del carico al suolo = qsk Ce Ctr = 113 daN/mq

Copertura ad una falda:

Angolo di inclinazione della falda $\alpha = 4,0^\circ$

$$\mu_1 = 0,80 \Rightarrow Q_1 = 90 \text{ daN/mq}$$

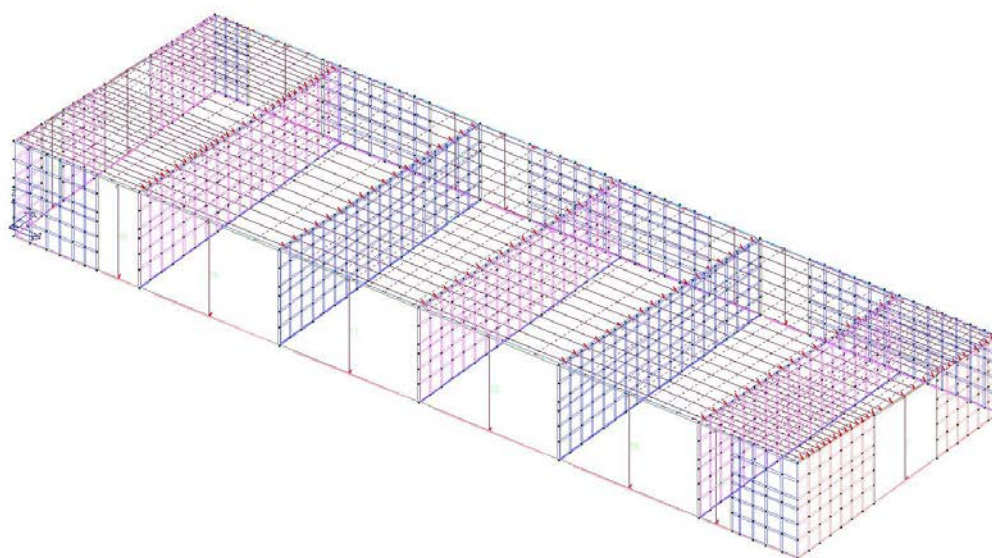
ID Arch.	Tipo	G1k	G2k	Qk	Fatt. A	s sis.	Psi 0	Psi 1	Psi 2	Psi S 2	Fatt. Fi		
6	Neve	daN/cm2 2.90e-02	daN/cm2 2.00e-02	daN/cm2 9.00e-03		1.00	0.50	0.20	0.0	0.0	1.00		
Elem.	Tipo	ID Arch.	Mat.	Spessore	Orditura	G1k daN/cm2	G2k daN/cm2	Qk daN/cm2	Nodo 1/6..	Nodo 2/7..	Nodo 3/8..	Nodo..	Nodo..
1	CB	6	m=1	4.0	0.0	2.90e-02	2.00e-02	9.00e-03	170	254	319	391	405
									412	420	221	228	236
									244	252	260	268	284
									276	292	300	308	315
									323	330	337	345	606
									57	378	144	206	443
									472	536	584	114	1114
									213	68	424	437	384
									376	360	352	44	
									444	742	750	726	734
2	CB	6	m=1	4.0	0.0	2.90e-02	2.00e-02	9.00e-03	710	718	702	686	694
									678	670	662	622	630
									638	654	646	344	351
									359	367	375	383	49
									606	345	337	330	323
									315	308	300	292	276
									284	268	260	252	244
									236	228	221	420	
									771	780	788	796	804
									812	820	828	836	844
3	CB	6	m=1	4.0	0.0	2.90e-02	2.00e-02	9.00e-03	852	860	868	876	884
									892	900	907	906	275
									283	291	299	307	314
									344	646	654	638	630
									622	662	670	678	694
									686	702	718	710	734
									726	750	742	444	
									341	930	938	946	954
									962	970	978	986	994
									1002	1010	1018	1026	1034
4	CB	6	m=1	4.0	0.0	2.90e-02	2.00e-02	9.00e-03	1042	1050	1057	220	227
									235	243	251	259	267
									906	907	900	892	884
									876	868	860	852	844
									836	828	820	812	804
									796	788	780	771	
									624	608	822	207	751
									427	600	1144	204	1136
									1128	1120	1104	1112	1096
									1088	1080	1072	1058	151
5	CB	6	m=1	4.0	0.0	2.90e-02	2.00e-02	9.00e-03	159	167	175	183	190
									220	1057	1050	1042	1034
									1026	1018	1010	1002	994
									986	978	970	962	954
									946	938	930	341	
									51	73	81	88	96
									506	31	209	47	1012
									316	320	210	80	910
									744	632	560	512	106
									103	111	119	127	135
6	CB	6	m=1	4.0	0.0	2.90e-02	2.00e-02	9.00e-03	143	1058	1072	1080	1088
									1096	1112	1104	1120	1128
									1136	204	1144	600	427
									751	207	822	608	624
									80	210	972	964	956
									948	924	922	211	216
									294	302	317	318	
									220	190	189	188	187
									186	185	214	1052	1053
									1054	1055			
7	PM		m=23	24.0	90.0				227	220	1055	1054	1053
									1052	214	222	223	224
									225	226			
8	PM		m=23	24.0	90.0				351	344	755	754	753
									752	338	346	347	348
									349	350			

11	PM	m=23	24.0	90.0	344	314	313	312	311
					310	309	338	752	753
12	PM	m=23	24.0	90.0	754	755			
					378	57	1098	1090	1074
					1082	1138	130	203	219
13	PM	m=23	24.0	90.0	321	334			
					213	68	65	64	63
					62	61	58	325	326
14	PM	m=23	24.0	90.0	327	328	332	333	
					376	360	195	77	76
					33	17	452	4	8
					10	11	12	16	
15	PM	m=23	24.0	90.0	412	420	469	467	465
					463	461	421	406	78
					197	218	270	70	
16	PM	m=23	24.0	90.0	420	444	619	617	615
					613	611	436	421	461
					463	465	467	469	
17	PM	m=23	24.0	90.0	771	769	767	765	763
					761	758	436	611	613
					615	617	619	444	
18	PM	m=23	24.0	90.0	771	341	919	917	915
					913	911	908	758	761
					763	765	767	769	
19	PM	m=23	24.0	90.0	341	624	1069	1067	1065
					1063	1061	838	908	911
					913	915	917	919	
20	PM	m=23	24.0	90.0	624	51	870	806	728
					664	586	45	838	1061
					1063	1065	1067	1069	

Elem.	Stato	Ver. c.c.	Ver. c.d.	Ver. cin.	Ver. CIS	Z cm	T1 sec	Ta sec	Sa g	pa daN/cm2	pr daN/cm2	Drift %	Beta a
7	ok L	0.55	0.28	0.78	0.0	109.0	0.17	0.028	0.18	0.002	0.0	0.08	0.0
8	ok L	0.44	0.22	0.72	0.0	95.0	0.17	0.021	0.17	0.002	0.0	0.06	0.0
9	ok L	0.44	0.22	0.72	0.0	95.0	0.17	0.021	0.17	0.002	0.0	0.06	0.0
10	ok L	0.44	0.22	0.72	0.0	95.0	0.17	0.021	0.17	0.002	0.0	0.06	0.0
11	ok L	0.44	0.22	0.72	0.0	95.0	0.17	0.021	0.17	0.002	0.0	0.06	0.0
12	ok L	0.44	0.22	0.72	0.0	95.0	0.17	0.021	0.17	0.002	0.0	0.04	0.0
13	ok L	0.54	0.27	0.77	0.0	108.0	0.17	0.027	0.18	0.002	0.0	0.07	0.0
14	ok L	0.61	0.31	0.80	0.0	119.3	0.17	0.031	0.19	0.002	0.0	0.05	0.0
15	ok L	0.65	0.32	0.82	0.0	125.0	0.17	0.032	0.20	0.002	0.0	0.14	0.0
16	ok L	0.65	0.32	0.82	0.0	125.0	0.17	0.032	0.20	0.002	0.0	0.16	0.0
17	ok L	0.65	0.32	0.82	0.0	125.0	0.17	0.032	0.20	0.002	0.0	0.14	0.0
18	ok L	0.65	0.32	0.82	0.0	125.0	0.17	0.032	0.20	0.002	0.0	0.14	0.0
19	ok L	0.65	0.32	0.82	0.0	125.0	0.17	0.032	0.20	0.002	0.0	0.16	0.0
20	ok L	0.65	0.32	0.82	0.0	125.0	0.17	0.032	0.20	0.002	0.0	0.13	0.0

Elem.	Ver. c.c.	Ver. c.d.	Ver. cin.	Ver. CIS	Drift
	0.44	0.22	0.72	0.0	0.04
	0.65	0.32	0.82	0.0	0.16

MODELLO



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SCHEMATIZZAZIONE DEI CASI DI CARICO

CDC	Tipo	Sigla Id	Note
1	Ggk	CDC=Ggk (peso proprio della struttura)	
2	Gsk	CDC=G1sk (permanente solai-coperture)	
3	Gsk	CDC=G2sk (permanente solai-coperture n.c.d.)	
4	Qnk	CDC=Qnk (carico da neve)	
5	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	partecipazione:1.00 per 1 CDC=Ggk (peso proprio della struttura)
			partecipazione:1.00 per 2 CDC=G1sk (permanente solai-coperture)
			partecipazione:1.00 per 3 CDC=G2sk (permanente solai-coperture n.c.d.)
			partecipazione:1.00 per 4 CDC=Qnk (carico da neve)
6	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	come precedente CDC sismico
7	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	come precedente CDC sismico
8	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	come precedente CDC sismico
9	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	come precedente CDC sismico
10	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	come precedente CDC sismico
11	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	come precedente CDC sismico
12	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	come precedente CDC sismico

DEFINIZIONE DELLE COMBINAZIONI

Cmb	Tipo	Sigla Id
1	SLU	Comb. SLU A1 1
2	SLU	Comb. SLU A1 2
3	SLU	Comb. SLU A1 3
4	SLU	Comb. SLU A1 4
5	SLU	Comb. SLU A1 (SLV sism.) 5
6	SLU	Comb. SLU A1 (SLV sism.) 6
7	SLU	Comb. SLU A1 (SLV sism.) 7
8	SLU	Comb. SLU A1 (SLV sism.) 8
9	SLU	Comb. SLU A1 (SLV sism.) 9
10	SLU	Comb. SLU A1 (SLV sism.) 10
11	SLU	Comb. SLU A1 (SLV sism.) 11
12	SLU	Comb. SLU A1 (SLV sism.) 12
13	SLU	Comb. SLU A1 (SLV sism.) 13
14	SLU	Comb. SLU A1 (SLV sism.) 14
15	SLU	Comb. SLU A1 (SLV sism.) 15
16	SLU	Comb. SLU A1 (SLV sism.) 16
17	SLU	Comb. SLU A1 (SLV sism.) 17
18	SLU	Comb. SLU A1 (SLV sism.) 18
19	SLU	Comb. SLU A1 (SLV sism.) 19
20	SLU	Comb. SLU A1 (SLV sism.) 20
21	SLU	Comb. SLU A1 (SLV sism.) 21
22	SLU	Comb. SLU A1 (SLV sism.) 22
23	SLU	Comb. SLU A1 (SLV sism.) 23
24	SLU	Comb. SLU A1 (SLV sism.) 24
25	SLU	Comb. SLU A1 (SLV sism.) 25
26	SLU	Comb. SLU A1 (SLV sism.) 26
27	SLU	Comb. SLU A1 (SLV sism.) 27
28	SLU	Comb. SLU A1 (SLV sism.) 28
29	SLU	Comb. SLU A1 (SLV sism.) 29
30	SLU	Comb. SLU A1 (SLV sism.) 30
31	SLU	Comb. SLU A1 (SLV sism.) 31
32	SLU	Comb. SLU A1 (SLV sism.) 32
33	SLU	Comb. SLU A1 (SLV sism.) 33
34	SLU	Comb. SLU A1 (SLV sism.) 34
35	SLU	Comb. SLU A1 (SLV sism.) 35
36	SLU	Comb. SLU A1 (SLV sism.) 36
37	SLD(sis)	Comb. SLE (SLD Danno sism.) 37
38	SLD(sis)	Comb. SLE (SLD Danno sism.) 38
39	SLD(sis)	Comb. SLE (SLD Danno sism.) 39
40	SLD(sis)	Comb. SLE (SLD Danno sism.) 40
41	SLD(sis)	Comb. SLE (SLD Danno sism.) 41
42	SLD(sis)	Comb. SLE (SLD Danno sism.) 42
43	SLD(sis)	Comb. SLE (SLD Danno sism.) 43
44	SLD(sis)	Comb. SLE (SLD Danno sism.) 44
45	SLD(sis)	Comb. SLE (SLD Danno sism.) 45
46	SLD(sis)	Comb. SLE (SLD Danno sism.) 46
47	SLD(sis)	Comb. SLE (SLD Danno sism.) 47
48	SLD(sis)	Comb. SLE (SLD Danno sism.) 48
49	SLD(sis)	Comb. SLE (SLD Danno sism.) 49
50	SLD(sis)	Comb. SLE (SLD Danno sism.) 50
51	SLD(sis)	Comb. SLE (SLD Danno sism.) 51

Cmb	Tipo	Sigla Id
52	SLD(sis)	Comb. SLE (SLD Danno sism.) 52
53	SLD(sis)	Comb. SLE (SLD Danno sism.) 53
54	SLD(sis)	Comb. SLE (SLD Danno sism.) 54
55	SLD(sis)	Comb. SLE (SLD Danno sism.) 55
56	SLD(sis)	Comb. SLE (SLD Danno sism.) 56
57	SLD(sis)	Comb. SLE (SLD Danno sism.) 57
58	SLD(sis)	Comb. SLE (SLD Danno sism.) 58
59	SLD(sis)	Comb. SLE (SLD Danno sism.) 59
60	SLD(sis)	Comb. SLE (SLD Danno sism.) 60
61	SLD(sis)	Comb. SLE (SLD Danno sism.) 61
62	SLD(sis)	Comb. SLE (SLD Danno sism.) 62
63	SLD(sis)	Comb. SLE (SLD Danno sism.) 63
64	SLD(sis)	Comb. SLE (SLD Danno sism.) 64
65	SLD(sis)	Comb. SLE (SLD Danno sism.) 65
66	SLD(sis)	Comb. SLE (SLD Danno sism.) 66
67	SLD(sis)	Comb. SLE (SLD Danno sism.) 67
68	SLD(sis)	Comb. SLE (SLD Danno sism.) 68
69	SLE(r)	Comb. SLE(rara) 69
70	SLE(r)	Comb. SLE(rara) 70
71	SLE(f)	Comb. SLE(freq.) 71
72	SLE(f)	Comb. SLE(freq.) 72
73	SLE(p)	Comb. SLE(perm.) 73

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
1	1.30	1.30	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
2	1.30	1.30	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
3	1.00	1.00	0.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
4	1.00	1.00	0.80	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
5	1.00	1.00	1.00	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0		
6	1.00	1.00	1.00	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0		
7	1.00	1.00	1.00	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0		
8	1.00	1.00	1.00	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0		
9	1.00	1.00	1.00	0.0	-1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0		
10	1.00	1.00	1.00	0.0	-1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0		
11	1.00	1.00	1.00	0.0	1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0		
12	1.00	1.00	1.00	0.0	1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0		
13	1.00	1.00	1.00	0.0	0.0	-1.00	-0.30	0.0	0.0	0.0	0.0	0.0		
14	1.00	1.00	1.00	0.0	0.0	-1.00	0.30	0.0	0.0	0.0	0.0	0.0		
15	1.00	1.00	1.00	0.0	0.0	1.00	-0.30	0.0	0.0	0.0	0.0	0.0		
16	1.00	1.00	1.00	0.0	0.0	1.00	0.30	0.0	0.0	0.0	0.0	0.0		
17	1.00	1.00	1.00	0.0	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0		
18	1.00	1.00	1.00	0.0	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0		
19	1.00	1.00	1.00	0.0	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0		
20	1.00	1.00	1.00	0.0	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0		
21	1.00	1.00	1.00	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0		
22	1.00	1.00	1.00	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0		
23	1.00	1.00	1.00	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0		
24	1.00	1.00	1.00	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0		
25	1.00	1.00	1.00	0.0	0.0	-0.30	-1.00	0.0	0.0	0.0	0.0	0.0		
26	1.00	1.00	1.00	0.0	0.0	-0.30	1.00	0.0	0.0	0.0	0.0	0.0		
27	1.00	1.00	1.00	0.0	0.0	0.30	-1.00	0.0	0.0	0.0	0.0	0.0		
28	1.00	1.00	1.00	0.0	0.0	0.30	1.00	0.0	0.0	0.0	0.0	0.0		
29	1.00	1.00	1.00	0.0	-0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0		
30	1.00	1.00	1.00	0.0	-0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0		
31	1.00	1.00	1.00	0.0	0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0		
32	1.00	1.00	1.00	0.0	0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0		
33	1.00	1.00	1.00	0.0	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0		
34	1.00	1.00	1.00	0.0	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0		
35	1.00	1.00	1.00	0.0	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0		
36	1.00	1.00	1.00	0.0	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0		
37	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0		
38	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	0.0		
39	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	0.0		
40	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0		
41	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	-0.30		
42	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	0.30		
43	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	-0.30		
44	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.30		
45	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	-0.30	0.0		
46	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.30	0.0		

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
47	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-0.30	0.0		
48	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.30	0.0		
49	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30		
50	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30		
51	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30		
52	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30		
53	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0		
54	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	0.0		
55	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	0.0		
56	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.0		
57	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	-1.00	0.0		
58	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	1.00	0.0		
59	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.30	-1.00	0.0		
60	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.30	1.00	0.0		
61	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	-1.00		
62	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	1.00		
63	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	-1.00		
64	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	1.00		
65	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00		
66	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	1.00		
67	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	-1.00		
68	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00		
69	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
70	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
71	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
72	1.00	1.00	1.00	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
73	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

VALUTAZIONE DELL’AZIONE SISMICA

L’azione sismica sulle costruzioni è valutata a partire dalla “pericolosità sismica di base”, in condizioni ideali di sito di riferimento rigido con superficie topografica orizzontale. L’ azione sismica viene definita in relazione ad un periodo di riferimento V_r che si ricava, per ciascun tipo di costruzione, moltiplicandone la vita nominale per il coefficiente d’uso (vedi tabella Parametri della struttura). Fissato il periodo di riferimento V_r e la probabilità di superamento P_{ver} associata a ciascuno degli stati limite considerati, si ottiene il periodo di ritorno T_r e i relativi parametri di pericolosità sismica (vedi tabella successiva):

ag:accelerazione orizzontale massima del terreno;

Fo:valore massimo del fattore di amplificazione dello spettro in accelerazione orizzontale;

T*c:periodo di inizio del tratto a velocità costante dello spettro in accelerazione orizzontale;

Parametri della struttura					
Classe d'uso	Vita V_n [anni]	Coeff. Uso	Periodo V_r [anni]	Tipo di suolo	Categoria topografica
II	50.0	1.0	50.0	B	T2

Individuati su reticolo di riferimento i parametri di pericolosità sismica si valutano i parametri spettrali riportati in tabella:

S è il coefficiente che tiene conto della categoria di sottosuolo e delle condizioni topografiche mediante la relazione seguente $S = S_s \cdot S_t$ (3.2.3)

Fo è il fattore che quantifica l’amplificazione spettrale massima, su sito di riferimento rigido orizzontale

Fv è il fattore che quantifica l’amplificazione spettrale massima verticale, in termini di accelerazione orizzontale massima del terreno ag su sito di riferimento rigido orizzontale

Tb è il periodo corrispondente all’inizio del tratto dello spettro ad accelerazione costante.

Tc è il periodo corrispondente all’inizio del tratto dello spettro a velocità costante.

Td è il periodo corrispondente all’inizio del tratto dello spettro a spostamento costante.

Lo spettro di risposta elastico in accelerazione della componente orizzontale del moto sismico, S_e , è definito dalle seguenti espressioni:

$$0 \leq T < T_B \quad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left[\frac{T}{T_B} + \frac{1}{\eta \cdot F_o} \left(1 - \frac{T}{T_B} \right) \right]$$

$$T_B \leq T < T_C \quad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o$$

$$T_C \leq T < T_D \quad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left(\frac{T_C}{T} \right)$$

$$T_D \leq T \quad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left(\frac{T_C \cdot T_D}{T^2} \right)$$

Dove per sottosuolo di categoria **A** i coefficienti S_s e C_c valgono 1; mentre per le categorie di sottosuolo B, C, D, E i coefficienti S_s e C_c vengono calcolati mediante le espressioni riportate nella seguente Tabella

Categoria sottosuolo	S_s	C_c
A	1,00	1,00
B	$1,00 \leq 1,40 - 0,40 \cdot F_o \cdot \frac{a_g}{g} \leq 1,20$	$1,10 \cdot (T_C^*)^{-0,20}$
C	$1,00 \leq 1,70 - 0,60 \cdot F_o \cdot \frac{a_g}{g} \leq 1,50$	$1,05 \cdot (T_C^*)^{-0,33}$
D	$0,90 \leq 2,40 - 1,50 \cdot F_o \cdot \frac{a_g}{g} \leq 1,80$	$1,25 \cdot (T_C^*)^{-0,50}$
E	$1,00 \leq 2,00 - 1,10 \cdot F_o \cdot \frac{a_g}{g} \leq 1,60$	$1,15 \cdot (T_C^*)^{-0,40}$

Per tenere conto delle condizioni topografiche e in assenza di specifiche analisi di risposta sismica locale, si utilizzano i valori del coefficiente topografico S_T riportati nella seguente Tabella

Categoria topografica	Ubicazione dell'opera o dell'intervento	S_T
T1	-	1,0
T2	In corrispondenza della sommità del pendio	1,2
T3	In corrispondenza della cresta di un rilievo con pendenza media minore o uguale a 30°	1,2
T4	In corrispondenza della cresta di un rilievo con pendenza media maggiore di 30°	1,4

Lo spettro di risposta elastico in accelerazione della componente verticale del moto sismico, S_{ve} , è definito dalle espressioni:

$$0 \leq T < T_B \quad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \cdot \left[\frac{T}{T_B} + \frac{1}{\eta \cdot F_o} \left(1 - \frac{T}{T_B} \right) \right]$$

$$T_B \leq T < T_C \quad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v$$

$$T_C \leq T < T_D \quad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \cdot \left(\frac{T_C}{T} \right)$$

$$T_D \leq T \quad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \cdot \left(\frac{T_C \cdot T_D}{T^2} \right)$$

I valori di S_s , T_B , T_C e T_D , sono riportati nella seguente Tabella

Categoria di sottosuolo	S_s	T_B	T_C	T_D
A, B, C, D, E	1,0	0,05 s	0,15 s	1,0 s

Id nodo	Longitudine	Latitudine	Distanza Km
Loc.	8.893	44.420	
16917	8.872	44.395	3.202
16918	8.942	44.398	4.545
16696	8.938	44.448	4.741
16695	8.868	44.445	3.450

SL	Pver	Tr	ag	Fo	T*c
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SL	Pver	Tr	ag	Fo	T*c
		Anni	g		sec
SLO	81.0	30.0	0.023	2.545	0.182
SLD	63.0	50.0	0.029	2.524	0.204
SLV	10.0	475.0	0.068	2.536	0.288
SLC	5.0	975.0	0.087	2.533	0.298

SL	ag	S	Fo	Fv	Tb	Tc	Td
	g				sec	sec	sec
SLO	0.023	1.440	2.545	0.521	0.094	0.281	1.692
SLD	0.029	1.440	2.524	0.585	0.103	0.308	1.718
SLV	0.068	1.440	2.536	0.891	0.135	0.406	1.871
SLC	0.087	1.440	2.533	1.007	0.139	0.418	1.947

RISULTATI ANALISI SISMICHE

Angolo di ingresso	Angolo di ingresso dell'azione sismica orizzontale
Fattore di importanza	Fattore di importanza dell'edificio, in base alla categoria di appartenenza
Zona sismica	Zona sismica
Accelerazione ag	Accelerazione orizzontale massima sul suolo
Categoria suolo	Categoria di profilo stratigrafico del suolo di fondazione
Fattore q	Fattore di struttura/di comportamento. Dipendente dalla tipologia strutturale
Fattore di sito S	Fattore dipendente dalla stratigrafia e dal profilo topografico
Classe di duttilità CD	Classe di duttilità della struttura – "A" duttilità alta, "B" duttilità bassa
Fattore riduz. SLD	Fattore di riduzione dello spettro elastico per lo stato limite di danno
Periodo proprio T1	Periodo proprio di vibrazione della struttura
Coefficiente Lambda	Coefficiente dipendente dal periodo proprio T1 e dal numero di piani della struttura
Ordinata spettro Sd(T1)	Valore delle ordinate dello spettro di progetto per lo stato limite ultimo, componente orizzontale (verticale Svd)
Ordinata spettro Se(T1)	Valore delle ordinate dello spettro elastico ridotta del fattore SLD per lo stato limite di danno, componente orizzontale (verticale Sve)
Ordinata spettro S (Tb-Tc)	Valore dell' ordinata dello spettro in uso nel tratto costante
numero di modi considerati	Numero di modi di vibrare della struttura considerati nell'analisi dinamica

Analisi sismica dinamica con spettro di risposta:

- quota, posizione del centro di massa e massa risultante, posizione del baricentro delle rigidezze, rapporto r/L_s (per strutture a nucleo) , indici di regolarità e/r secondo EC8 4.2.3.2
- frequenza, periodo, accelerazione spettrale, massa eccitata nelle tre direzioni globali per tutti i modi
- massa complessiva ed aliquota di massa complessiva eccitata.

Calcolo dei fattori di comportamento secondo il D.M. 17/01/2018

La costruzione, nuova, è caratterizzata da regolarità sia in pianta sia in altezza ed è progettata in classe di duttilità media (CD"B").

Sistema costruttivo: muratura Tipologia strutturale: costruzioni di muratura ordinaria

Definizione rapporto α_u/α_1 : valore come da normativa

Riferimento normativo α_u/α_1 : costruzioni di muratura ordinaria

Valore rapporto $\alpha_u/\alpha_1 = 1.700$

Valore base fattore $q_0 = 1.750$ $\alpha_u/\alpha_1 = 2.975$

Fattore di regolarità $K_R = 1.0$

Fattore dissipativo $q_D = q_0 \cdot K_R = 2.975$

Fattori di comportamento utilizzati

Dissipativi: $q_{SLU x} = 2.975$ $q_{SLU y} = 2.975$ $q_{SLU z} = 1.500$

CDC	Tipo	Sigla Id	Note
5	Edk	CDC=Ed (dinamico SLU) $\alpha=0.0$ (ecc. +)	
			categoria suolo: B
			fattore di sito $S = 1.440$
			ordinata spettro (tratto T_b-T_c) = 0.083 g
			angolo di ingresso:0.0

CDC	Tipo	Sigla Id	Note
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.199 sec.
			fattore q: 2.975
			fattore per spost. μ d: 5.035
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
280.00	1.988e+04	1328.84	0.0	0.0	0.0	1211.59	0.0	0.021	0.098	0.0
276.78	625.16	2673.00	48.79	0.0	0.0	0.0	0.0	0.0	0.0	0.0
276.67	5784.87	1364.95	50.44	0.0	0.0	0.0	0.0	0.0	0.0	0.0
275.90	917.24	2.08e-04	62.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
273.55	623.54	2673.00	97.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0
273.33	5776.20	1364.93	100.89	0.0	0.0	0.0	0.0	0.0	0.0	0.0
271.81	1168.50	2.08e-04	124.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270.33	621.91	2673.00	146.36	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270.00	5767.52	1364.90	151.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0
267.11	620.29	2673.00	195.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0
266.67	5758.85	1364.88	201.78	0.0	0.0	0.0	0.0	0.0	0.0	0.0
265.20	1051.38	2.08e-04	224.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
263.88	618.67	2673.00	243.93	0.0	0.0	0.0	0.0	0.0	0.0	0.0
263.33	5750.17	1364.85	252.22	0.0	0.0	0.0	0.0	0.0	0.0	0.0
262.13	679.93	2.08e-04	270.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0
260.66	617.05	2673.00	292.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0
260.00	5741.49	1364.83	302.67	0.0	0.0	0.0	0.0	0.0	0.0	0.0
259.07	678.46	2.08e-04	316.81	0.0	0.0	0.0	0.0	0.0	0.0	0.0
257.43	2065.73	2673.00	341.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
256.67	5732.82	1364.80	353.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0
256.00	676.99	2.08e-04	363.22	0.0	0.0	0.0	0.0	0.0	0.0	0.0
253.33	5724.14	1364.78	403.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0
252.93	1826.35	2.08e-04	409.62	0.0	0.0	0.0	0.0	0.0	0.0	0.0
250.00	5715.46	1364.75	454.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
246.67	5706.79	1364.73	504.44	0.0	0.0	0.0	0.0	0.0	0.0	0.0
243.33	5698.11	1364.70	554.89	0.0	0.0	0.0	0.0	0.0	0.0	0.0
240.00	5689.43	1364.67	605.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0
239.10	1835.35	2.08e-04	619.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
238.44	2046.37	2672.99	629.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
236.67	5680.76	1364.65	655.78	0.0	0.0	0.0	0.0	0.0	0.0	0.0
235.91	692.71	2.08e-04	667.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0
235.36	576.00	2673.00	675.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
233.33	5672.08	1364.62	706.22	0.0	0.0	0.0	0.0	0.0	0.0	0.0
232.73	691.13	2.08e-04	715.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0
232.29	574.53	2673.00	722.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
230.00	5663.40	1364.60	756.67	0.0	0.0	0.0	0.0	0.0	0.0	0.0
229.55	689.54	2.08e-04	763.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
229.22	573.05	2673.00	768.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
226.67	5654.73	1364.57	807.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0
226.37	687.96	2.08e-04	811.67	0.0	0.0	0.0	0.0	0.0	0.0	0.0
226.15	571.58	2673.00	815.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
223.33	5645.69	1364.54	857.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0
223.18	686.31	2.08e-04	859.83	0.0	0.0	0.0	0.0	0.0	0.0	0.0
223.07	570.04	2673.00	861.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
220.00	3.056e+04	1346.89	800.69	0.0	-45.40	1390.54	852.91	0.744	0.062	0.029
160.00	7427.16	1389.21	524.38	0.0	-45.40	1390.54	852.91	0.744	0.002	0.182
130.00	6601.92	1389.21	524.38	0.0	-45.40	1390.54	852.91	0.744	0.002	0.182
80.00	8343.91	1403.29	528.08	0.0	-45.40	1386.72	852.91	0.738	0.024	0.181
30.00	9224.05	1409.58	529.87	0.0	-45.40	1387.64	852.91	0.740	0.031	0.180
Risulta	2.022e+05									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	5.032	0.199	0.083	1.684e+05	83.3	0.10	4.76e-05	0.12	5.96e-05	0.0	0.0
2	5.868	0.170	0.083	4.80	2.38e-03	1.812e+05	89.6	93.10	4.60e-02	0.0	0.0
3	6.446	0.155	0.083	2.435e+04	12.0	57.16	2.83e-02	8.17	4.04e-03	0.0	0.0
4	9.525	0.105	0.086	4.74	2.34e-03	288.99	0.1	1.957e+05	96.8	0.0	0.0
5	10.584	0.094	0.087	864.40	0.4	11.57	5.72e-03	4939.01	2.4	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
6	11.405	0.088	0.088	2235.55	1.1	893.59	0.4	1027.42	0.5	0.0	0.0
7	12.429	0.080	0.089	101.07	5.00e-02	1.963e+04	9.7	238.22	0.1	0.0	0.0
8	16.344	0.061	0.091	430.20	0.2	9.90	4.90e-03	168.02	8.31e-02	0.0	0.0
9	18.290	0.055	0.092	4738.34	2.3	10.06	4.98e-03	12.39	6.13e-03	0.0	0.0
Risulta In percentuale				2.012e+05		2.021e+05		2.022e+05			
				99.49		99.97		99.99			

CDC	Tipo	Sigla Id	Note
6	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	
			categoria suolo: B
			fattore di sito S = 1.440
			ordinata spettro (tratto Tb-Tc) = 0.083 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.198 sec.
			fattore q: 2.975
			fattore per spost. mu d: 5.045
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
280.00	1.988e+04	1328.84	0.0	0.0	0.0	1211.59	0.0	0.021	0.098	0.0
276.78	625.16	2673.00	48.79	0.0	0.0	0.0	0.0	0.0	0.0	0.0
276.67	5784.87	1364.95	50.44	0.0	0.0	0.0	0.0	0.0	0.0	0.0
275.90	917.24	2.08e-04	62.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
273.55	623.54	2673.00	97.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0
273.33	5776.20	1364.93	100.89	0.0	0.0	0.0	0.0	0.0	0.0	0.0
271.81	1168.50	2.08e-04	124.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270.33	621.91	2673.00	146.36	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270.00	5767.52	1364.90	151.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0
267.11	620.29	2673.00	195.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0
266.67	5758.85	1364.88	201.78	0.0	0.0	0.0	0.0	0.0	0.0	0.0
265.20	1051.38	2.08e-04	224.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
263.88	618.67	2673.00	243.93	0.0	0.0	0.0	0.0	0.0	0.0	0.0
263.33	5750.17	1364.85	252.22	0.0	0.0	0.0	0.0	0.0	0.0	0.0
262.13	679.93	2.08e-04	270.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0
260.66	617.05	2673.00	292.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0
260.00	5741.49	1364.83	302.67	0.0	0.0	0.0	0.0	0.0	0.0	0.0
259.07	678.46	2.08e-04	316.81	0.0	0.0	0.0	0.0	0.0	0.0	0.0
257.43	2065.73	2673.00	341.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
256.67	5732.82	1364.80	353.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0
256.00	676.99	2.08e-04	363.22	0.0	0.0	0.0	0.0	0.0	0.0	0.0
253.33	5724.14	1364.78	403.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0
252.93	1826.35	2.08e-04	409.62	0.0	0.0	0.0	0.0	0.0	0.0	0.0
250.00	5715.46	1364.75	454.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
246.67	5706.79	1364.73	504.44	0.0	0.0	0.0	0.0	0.0	0.0	0.0
243.33	5698.11	1364.70	554.89	0.0	0.0	0.0	0.0	0.0	0.0	0.0
240.00	5689.43	1364.67	605.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0
239.10	1835.35	2.08e-04	619.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
238.44	2046.37	2672.99	629.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
236.67	5680.76	1364.65	655.78	0.0	0.0	0.0	0.0	0.0	0.0	0.0
235.91	692.71	2.08e-04	667.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0
235.36	576.00	2673.00	675.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
233.33	5672.08	1364.62	706.22	0.0	0.0	0.0	0.0	0.0	0.0	0.0
232.73	691.13	2.08e-04	715.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0
232.29	574.53	2673.00	722.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
230.00	5663.40	1364.60	756.67	0.0	0.0	0.0	0.0	0.0	0.0	0.0
229.55	689.54	2.08e-04	763.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
229.22	573.05	2673.00	768.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
226.67	5654.73	1364.57	807.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0
226.37	687.96	2.08e-04	811.67	0.0	0.0	0.0	0.0	0.0	0.0	0.0
226.15	571.58	2673.00	815.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
223.33	5645.69	1364.54	857.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0
223.18	686.31	2.08e-04	859.83	0.0	0.0	0.0	0.0	0.0	0.0	0.0
223.07	570.04	2673.00	861.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
220.00	3.056e+04	1346.89	800.69	0.0	45.40	1390.54	852.91	0.744	0.062	0.029
160.00	7427.16	1389.21	524.38	0.0	45.40	1390.54	852.91	0.744	0.002	0.182
130.00	6601.92	1389.21	524.38	0.0	45.40	1390.54	852.91	0.744	0.002	0.182

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
80.00	8343.91	1403.29	528.08	0.0	45.40	1386.72	852.91	0.738	0.024	0.181
30.00	9224.05	1409.58	529.87	0.0	45.40	1387.64	852.91	0.740	0.031	0.180
Risulta	2.022e+05									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	5.045	0.198	0.083	1.726e+05	85.4	0.28	1.40e-04	0.09	4.22e-05	0.0	0.0
2	5.868	0.170	0.083	4.21	2.08e-03	1.812e+05	89.6	93.00	4.60e-02	0.0	0.0
3	6.380	0.157	0.083	2.082e+04	10.3	70.51	3.49e-02	7.92	3.91e-03	0.0	0.0
4	9.525	0.105	0.086	4.71	2.33e-03	288.72	0.1	1.957e+05	96.8	0.0	0.0
5	10.566	0.095	0.087	941.04	0.5	7.28	3.60e-03	4784.71	2.4	0.0	0.0
6	11.352	0.088	0.088	1979.31	1.0	814.06	0.4	1194.41	0.6	0.0	0.0
7	12.426	0.080	0.089	81.13	4.01e-02	1.972e+04	9.8	241.67	0.1	0.0	0.0
8	16.372	0.061	0.091	362.92	0.2	9.88	4.89e-03	167.59	8.29e-02	0.0	0.0
9	18.457	0.054	0.092	4302.34	2.1	9.47	4.68e-03	10.91	5.39e-03	0.0	0.0
Risulta				2.011e+05		2.021e+05		2.022e+05			
In percentuale				99.47		99.97		99.99			

CDC	Tipo	Sigla Id	Note
7	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	
			categoria suolo: B
			fattore di sito S = 1.440
			ordinata spettro (tratto Tb-Tc) = 0.083 g
			angolo di ingresso: 90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.173 sec.
			fattore q: 2.975
			fattore per spost. mu d: 5.632
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
280.00	1.988e+04	1328.84	0.0	133.65	0.0	1211.59	0.0	0.021	0.098	0.0
276.78	625.16	2673.00	48.79	0.0	0.0	0.0	0.0	0.0	0.0	0.0
276.67	5784.87	1364.95	50.44	95.40	0.0	0.0	0.0	0.0	0.0	0.0
275.90	917.24	2.08e-04	62.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
273.55	623.54	2673.00	97.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0
273.33	5776.20	1364.93	100.89	95.40	0.0	0.0	0.0	0.0	0.0	0.0
271.81	1168.50	2.08e-04	124.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270.33	621.91	2673.00	146.36	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270.00	5767.52	1364.90	151.33	95.40	0.0	0.0	0.0	0.0	0.0	0.0
267.11	620.29	2673.00	195.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0
266.67	5758.85	1364.88	201.78	95.40	0.0	0.0	0.0	0.0	0.0	0.0
265.20	1051.38	2.08e-04	224.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
263.88	618.67	2673.00	243.93	0.0	0.0	0.0	0.0	0.0	0.0	0.0
263.33	5750.17	1364.85	252.22	95.40	0.0	0.0	0.0	0.0	0.0	0.0
262.13	679.93	2.08e-04	270.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0
260.66	617.05	2673.00	292.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0
260.00	5741.49	1364.83	302.67	95.40	0.0	0.0	0.0	0.0	0.0	0.0
259.07	678.46	2.08e-04	316.81	0.0	0.0	0.0	0.0	0.0	0.0	0.0
257.43	2065.73	2673.00	341.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
256.67	5732.82	1364.80	353.11	95.40	0.0	0.0	0.0	0.0	0.0	0.0
256.00	676.99	2.08e-04	363.22	0.0	0.0	0.0	0.0	0.0	0.0	0.0
253.33	5724.14	1364.78	403.56	95.40	0.0	0.0	0.0	0.0	0.0	0.0
252.93	1826.35	2.08e-04	409.62	0.0	0.0	0.0	0.0	0.0	0.0	0.0
250.00	5715.46	1364.75	454.00	95.40	0.0	0.0	0.0	0.0	0.0	0.0
246.67	5706.79	1364.73	504.44	95.40	0.0	0.0	0.0	0.0	0.0	0.0
243.33	5698.11	1364.70	554.89	95.40	0.0	0.0	0.0	0.0	0.0	0.0
240.00	5689.43	1364.67	605.33	95.40	0.0	0.0	0.0	0.0	0.0	0.0
239.10	1835.35	2.08e-04	619.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
238.44	2046.37	2672.99	629.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
236.67	5680.76	1364.65	655.78	95.40	0.0	0.0	0.0	0.0	0.0	0.0
235.91	692.71	2.08e-04	667.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0
235.36	576.00	2673.00	675.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
233.33	5672.08	1364.62	706.22	95.40	0.0	0.0	0.0	0.0	0.0	0.0
232.73	691.13	2.08e-04	715.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0
232.29	574.53	2673.00	722.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
230.00	5663.40	1364.60	756.67	95.40	0.0	0.0	0.0	0.0	0.0	0.0
229.55	689.54	2.08e-04	763.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
229.22	573.05	2673.00	768.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
226.67	5654.73	1364.57	807.11	95.40	0.0	0.0	0.0	0.0	0.0	0.0
226.37	687.96	2.08e-04	811.67	0.0	0.0	0.0	0.0	0.0	0.0	0.0
226.15	571.58	2673.00	815.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
223.33	5645.69	1364.54	857.56	95.40	0.0	0.0	0.0	0.0	0.0	0.0
223.18	686.31	2.08e-04	859.83	0.0	0.0	0.0	0.0	0.0	0.0	0.0
223.07	570.04	2673.00	861.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
220.00	3.056e+04	1346.89	800.69	133.65	0.0	1390.54	852.91	0.744	0.062	0.029
160.00	7427.16	1389.21	524.38	133.65	0.0	1390.54	852.91	0.744	0.002	0.182
130.00	6601.92	1389.21	524.38	133.65	0.0	1390.54	852.91	0.744	0.002	0.182
80.00	8343.91	1403.29	528.08	133.65	0.0	1386.72	852.91	0.738	0.024	0.181
30.00	9224.05	1409.58	529.87	133.65	0.0	1387.64	852.91	0.740	0.031	0.180
Risulta	2.022e+05									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	5.030	0.199	0.083	1.657e+05	81.9	3382.59	1.7	1.24	6.11e-04	0.0	0.0
2	5.776	0.173	0.083	1.143e+04	5.7	1.565e+05	77.4	84.23	4.17e-02	0.0	0.0
3	6.540	0.153	0.083	1.584e+04	7.8	2.134e+04	10.6	7.63	3.77e-03	0.0	0.0
4	9.525	0.105	0.086	2.16	1.07e-03	290.19	0.1	1.957e+05	96.8	0.0	0.0
5	10.331	0.097	0.087	2666.02	1.3	10.60	5.24e-03	570.73	0.3	0.0	0.0
6	10.733	0.093	0.088	71.40	3.53e-02	154.88	7.66e-02	5248.08	2.6	0.0	0.0
7	12.412	0.081	0.089	0.14	6.98e-05	2.045e+04	10.1	341.57	0.2	0.0	0.0
8	15.960	0.063	0.091	752.15	0.4	6.11	3.02e-03	194.46	9.62e-02	0.0	0.0
9	18.827	0.053	0.092	4965.95	2.5	0.14	6.69e-05	10.74	5.31e-03	0.0	0.0
Risulta				2.014e+05		2.021e+05		2.022e+05			
In percentuale				99.62		99.97		99.99			

CDC	Tipo	Sigla Id	Note
8	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	
			categoria suolo: B
			fattore di sito S = 1.440
			ordinata spettro (tratto Tb-Tc) = 0.083 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.174 sec.
			fattore q: 2.975
			fattore per spost. mu d: 5.621
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
280.00	1.988e+04	1328.84	0.0	-133.65	0.0	1211.59	0.0	0.021	0.098	0.0
276.78	625.16	2673.00	48.79	0.0	0.0	0.0	0.0	0.0	0.0	0.0
276.67	5784.87	1364.95	50.44	-95.40	0.0	0.0	0.0	0.0	0.0	0.0
275.90	917.24	2.08e-04	62.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
273.55	623.54	2673.00	97.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0
273.33	5776.20	1364.93	100.89	-95.40	0.0	0.0	0.0	0.0	0.0	0.0
271.81	1168.50	2.08e-04	124.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270.33	621.91	2673.00	146.36	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270.00	5767.52	1364.90	151.33	-95.40	0.0	0.0	0.0	0.0	0.0	0.0
267.11	620.29	2673.00	195.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0
266.67	5758.85	1364.88	201.78	-95.40	0.0	0.0	0.0	0.0	0.0	0.0
265.20	1051.38	2.08e-04	224.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
263.88	618.67	2673.00	243.93	0.0	0.0	0.0	0.0	0.0	0.0	0.0
263.33	5750.17	1364.85	252.22	-95.40	0.0	0.0	0.0	0.0	0.0	0.0
262.13	679.93	2.08e-04	270.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0
260.66	617.05	2673.00	292.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0
260.00	5741.49	1364.83	302.67	-95.40	0.0	0.0	0.0	0.0	0.0	0.0
259.07	678.46	2.08e-04	316.81	0.0	0.0	0.0	0.0	0.0	0.0	0.0
257.43	2065.73	2673.00	341.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
256.67	5732.82	1364.80	353.11	-95.40	0.0	0.0	0.0	0.0	0.0	0.0
256.00	676.99	2.08e-04	363.22	0.0	0.0	0.0	0.0	0.0	0.0	0.0
253.33	5724.14	1364.78	403.56	-95.40	0.0	0.0	0.0	0.0	0.0	0.0
252.93	1826.35	2.08e-04	409.62	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
250.00	5715.46	1364.75	454.00	-95.40	0.0	0.0	0.0	0.0	0.0	0.0
246.67	5706.79	1364.73	504.44	-95.40	0.0	0.0	0.0	0.0	0.0	0.0
243.33	5698.11	1364.70	554.89	-95.40	0.0	0.0	0.0	0.0	0.0	0.0
240.00	5689.43	1364.67	605.33	-95.40	0.0	0.0	0.0	0.0	0.0	0.0
239.10	1835.35	2.08e-04	619.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
238.44	2046.37	2672.99	629.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
236.67	5680.76	1364.65	655.78	-95.40	0.0	0.0	0.0	0.0	0.0	0.0
235.91	692.71	2.08e-04	667.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0
235.36	576.00	2673.00	675.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
233.33	5672.08	1364.62	706.22	-95.40	0.0	0.0	0.0	0.0	0.0	0.0
232.73	691.13	2.08e-04	715.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0
232.29	574.53	2673.00	722.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
230.00	5663.40	1364.60	756.67	-95.40	0.0	0.0	0.0	0.0	0.0	0.0
229.55	689.54	2.08e-04	763.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
229.22	573.05	2673.00	768.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
226.67	5654.73	1364.57	807.11	-95.40	0.0	0.0	0.0	0.0	0.0	0.0
226.37	687.96	2.08e-04	811.67	0.0	0.0	0.0	0.0	0.0	0.0	0.0
226.15	571.58	2673.00	815.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
223.33	5645.69	1364.54	857.56	-95.40	0.0	0.0	0.0	0.0	0.0	0.0
223.18	686.31	2.08e-04	859.83	0.0	0.0	0.0	0.0	0.0	0.0	0.0
223.07	570.04	2673.00	861.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
220.00	3.056e+04	1346.89	800.69	-133.65	0.0	1390.54	852.91	0.744	0.062	0.029
160.00	7427.16	1389.21	524.38	-133.65	0.0	1390.54	852.91	0.744	0.002	0.182
130.00	6601.92	1389.21	524.38	-133.65	0.0	1390.54	852.91	0.744	0.002	0.182
80.00	8343.91	1403.29	528.08	-133.65	0.0	1386.72	852.91	0.738	0.024	0.181
30.00	9224.05	1409.58	529.87	-133.65	0.0	1387.64	852.91	0.740	0.031	0.180
Risulta	2.022e+05									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	5.032	0.199	0.083	1.660e+05	82.1	3306.49	1.6	0.18	9.03e-05	0.0	0.0
2	5.762	0.174	0.083	1.147e+04	5.7	1.552e+05	76.7	58.20	2.88e-02	0.0	0.0
3	6.566	0.152	0.083	1.548e+04	7.7	2.270e+04	11.2	65.09	3.22e-02	0.0	0.0
4	9.526	0.105	0.086	4.24	2.10e-03	296.54	0.1	1.957e+05	96.8	0.0	0.0
5	10.222	0.098	0.087	2595.01	1.3	24.29	1.20e-02	424.85	0.2	0.0	0.0
6	10.730	0.093	0.088	28.69	1.42e-02	147.72	7.31e-02	5380.60	2.7	0.0	0.0
7	12.412	0.081	0.089	8.79	4.35e-03	2.049e+04	10.1	323.01	0.2	0.0	0.0
8	15.916	0.063	0.091	880.06	0.4	0.93	4.58e-04	196.42	9.71e-02	0.0	0.0
9	18.648	0.054	0.092	4916.31	2.4	2.72	1.35e-03	12.53	6.20e-03	0.0	0.0
Risulta				2.014e+05		2.021e+05		2.022e+05			
In percentuale				99.60		99.97		99.99			

CDC	Tipo	Sigla Id	Note
9	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	
			categoria suolo: B
			fattore di sito S = 1.440
			ordinata spettro (tratto Tb-Tc) = 0.107 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.199 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
280.00	1.988e+04	1328.84	0.0	0.0	0.0	1211.59	0.0	0.021	0.098	0.0
276.78	625.16	2673.00	48.79	0.0	0.0	0.0	0.0	0.0	0.0	0.0
276.67	5784.87	1364.95	50.44	0.0	0.0	0.0	0.0	0.0	0.0	0.0
275.90	917.24	2.08e-04	62.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
273.55	623.54	2673.00	97.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0
273.33	5776.20	1364.93	100.89	0.0	0.0	0.0	0.0	0.0	0.0	0.0
271.81	1168.50	2.08e-04	124.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270.33	621.91	2673.00	146.36	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270.00	5767.52	1364.90	151.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0
267.11	620.29	2673.00	195.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0
266.67	5758.85	1364.88	201.78	0.0	0.0	0.0	0.0	0.0	0.0	0.0
265.20	1051.38	2.08e-04	224.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
263.88	618.67	2673.00	243.93	0.0	0.0	0.0	0.0	0.0	0.0	0.0
263.33	5750.17	1364.85	252.22	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
262.13	679.93	2.08e-04	270.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0
260.66	617.05	2673.00	292.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0
260.00	5741.49	1364.83	302.67	0.0	0.0	0.0	0.0	0.0	0.0	0.0
259.07	678.46	2.08e-04	316.81	0.0	0.0	0.0	0.0	0.0	0.0	0.0
257.43	2065.73	2673.00	341.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
256.67	5732.82	1364.80	353.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0
256.00	676.99	2.08e-04	363.22	0.0	0.0	0.0	0.0	0.0	0.0	0.0
253.33	5724.14	1364.78	403.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0
252.93	1826.35	2.08e-04	409.62	0.0	0.0	0.0	0.0	0.0	0.0	0.0
250.00	5715.46	1364.75	454.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
246.67	5706.79	1364.73	504.44	0.0	0.0	0.0	0.0	0.0	0.0	0.0
243.33	5698.11	1364.70	554.89	0.0	0.0	0.0	0.0	0.0	0.0	0.0
240.00	5689.43	1364.67	605.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0
239.10	1835.35	2.08e-04	619.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
238.44	2046.37	2672.99	629.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
236.67	5680.76	1364.65	655.78	0.0	0.0	0.0	0.0	0.0	0.0	0.0
235.91	692.71	2.08e-04	667.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0
235.36	576.00	2673.00	675.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
233.33	5672.08	1364.62	706.22	0.0	0.0	0.0	0.0	0.0	0.0	0.0
232.73	691.13	2.08e-04	715.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0
232.29	574.53	2673.00	722.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
230.00	5663.40	1364.60	756.67	0.0	0.0	0.0	0.0	0.0	0.0	0.0
229.55	689.54	2.08e-04	763.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
229.22	573.05	2673.00	768.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
226.67	5654.73	1364.57	807.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0
226.37	687.96	2.08e-04	811.67	0.0	0.0	0.0	0.0	0.0	0.0	0.0
226.15	571.58	2673.00	815.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
223.33	5645.69	1364.54	857.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0
223.18	686.31	2.08e-04	859.83	0.0	0.0	0.0	0.0	0.0	0.0	0.0
223.07	570.04	2673.00	861.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
220.00	3.056e+04	1346.89	800.69	0.0	-45.40	1390.54	852.91	0.744	0.062	0.029
160.00	7427.16	1389.21	524.38	0.0	-45.40	1390.54	852.91	0.744	0.002	0.182
130.00	6601.92	1389.21	524.38	0.0	-45.40	1390.54	852.91	0.744	0.002	0.182
80.00	8343.91	1403.29	528.08	0.0	-45.40	1386.72	852.91	0.738	0.024	0.181
30.00	9224.05	1409.58	529.87	0.0	-45.40	1387.64	852.91	0.740	0.031	0.180
Risulta	2.022e+05									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	5.032	0.199	0.107	1.684e+05	83.3	0.10	4.76e-05	0.12	5.96e-05	0.0	0.0
2	5.868	0.170	0.107	4.80	2.38e-03	1.812e+05	89.6	93.10	4.60e-02	0.0	0.0
3	6.446	0.155	0.107	2.435e+04	12.0	57.16	2.83e-02	8.17	4.04e-03	0.0	0.0
4	9.525	0.105	0.107	4.74	2.34e-03	288.99	0.1	1.957e+05	96.8	0.0	0.0
5	10.584	0.094	0.102	864.40	0.4	11.57	5.72e-03	4939.01	2.4	0.0	0.0
6	11.405	0.088	0.098	2235.55	1.1	893.59	0.4	1027.42	0.5	0.0	0.0
7	12.429	0.080	0.093	101.07	5.00e-02	1.963e+04	9.7	238.22	0.1	0.0	0.0
8	16.344	0.061	0.081	430.20	0.2	9.90	4.90e-03	168.02	8.31e-02	0.0	0.0
9	18.290	0.055	0.077	4738.34	2.3	10.06	4.98e-03	12.39	6.13e-03	0.0	0.0
Risulta				2.012e+05		2.021e+05		2.022e+05			
In percentuale				99.49		99.97		99.99			

CDC	Tipo	Sigla Id	Note
10	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	
			categoria suolo: B
			fattore di sito S = 1.440
			ordinata spettro (tratto Tb-Tc) = 0.107 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.198 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
280.00	1.988e+04	1328.84	0.0	0.0	0.0	1211.59	0.0	0.021	0.098	0.0
276.78	625.16	2673.00	48.79	0.0	0.0	0.0	0.0	0.0	0.0	0.0
276.67	5784.87	1364.95	50.44	0.0	0.0	0.0	0.0	0.0	0.0	0.0
275.90	917.24	2.08e-04	62.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
273.55	623.54	2673.00	97.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
273.33	5776.20	1364.93	100.89	0.0	0.0	0.0	0.0	0.0	0.0	0.0
271.81	1168.50	2.08e-04	124.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270.33	621.91	2673.00	146.36	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270.00	5767.52	1364.90	151.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0
267.11	620.29	2673.00	195.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0
266.67	5758.85	1364.88	201.78	0.0	0.0	0.0	0.0	0.0	0.0	0.0
265.20	1051.38	2.08e-04	224.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
263.88	618.67	2673.00	243.93	0.0	0.0	0.0	0.0	0.0	0.0	0.0
263.33	5750.17	1364.85	252.22	0.0	0.0	0.0	0.0	0.0	0.0	0.0
262.13	679.93	2.08e-04	270.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0
260.66	617.05	2673.00	292.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0
260.00	5741.49	1364.83	302.67	0.0	0.0	0.0	0.0	0.0	0.0	0.0
259.07	678.46	2.08e-04	316.81	0.0	0.0	0.0	0.0	0.0	0.0	0.0
257.43	2065.73	2673.00	341.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
256.67	5732.82	1364.80	353.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0
256.00	676.99	2.08e-04	363.22	0.0	0.0	0.0	0.0	0.0	0.0	0.0
253.33	5724.14	1364.78	403.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0
252.93	1826.35	2.08e-04	409.62	0.0	0.0	0.0	0.0	0.0	0.0	0.0
250.00	5715.46	1364.75	454.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
246.67	5706.79	1364.73	504.44	0.0	0.0	0.0	0.0	0.0	0.0	0.0
243.33	5698.11	1364.70	554.89	0.0	0.0	0.0	0.0	0.0	0.0	0.0
240.00	5689.43	1364.67	605.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0
239.10	1835.35	2.08e-04	619.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
238.44	2046.37	2672.99	629.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
236.67	5680.76	1364.65	655.78	0.0	0.0	0.0	0.0	0.0	0.0	0.0
235.91	692.71	2.08e-04	667.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0
235.36	576.00	2673.00	675.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
233.33	5672.08	1364.62	706.22	0.0	0.0	0.0	0.0	0.0	0.0	0.0
232.73	691.13	2.08e-04	715.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0
232.29	574.53	2673.00	722.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
230.00	5663.40	1364.60	756.67	0.0	0.0	0.0	0.0	0.0	0.0	0.0
229.55	689.54	2.08e-04	763.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
229.22	573.05	2673.00	768.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
226.67	5654.73	1364.57	807.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0
226.37	687.96	2.08e-04	811.67	0.0	0.0	0.0	0.0	0.0	0.0	0.0
226.15	571.58	2673.00	815.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
223.33	5645.69	1364.54	857.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0
223.18	686.31	2.08e-04	859.83	0.0	0.0	0.0	0.0	0.0	0.0	0.0
223.07	570.04	2673.00	861.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
220.00	3.056e+04	1346.89	800.69	0.0	45.40	1390.54	852.91	0.744	0.062	0.029
160.00	7427.16	1389.21	524.38	0.0	45.40	1390.54	852.91	0.744	0.002	0.182
130.00	6601.92	1389.21	524.38	0.0	45.40	1390.54	852.91	0.744	0.002	0.182
80.00	8343.91	1403.29	528.08	0.0	45.40	1386.72	852.91	0.738	0.024	0.181
30.00	9224.05	1409.58	529.87	0.0	45.40	1387.64	852.91	0.740	0.031	0.180
Risulta	2.022e+05									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	5.045	0.198	0.107	1.726e+05	85.4	0.28	1.40e-04	0.09	4.22e-05	0.0	0.0
2	5.868	0.170	0.107	4.21	2.08e-03	1.812e+05	89.6	93.00	4.60e-02	0.0	0.0
3	6.380	0.157	0.107	2.082e+04	10.3	70.51	3.49e-02	7.92	3.91e-03	0.0	0.0
4	9.525	0.105	0.107	4.71	2.33e-03	288.72	0.1	1.957e+05	96.8	0.0	0.0
5	10.566	0.095	0.102	941.04	0.5	7.28	3.60e-03	4784.71	2.4	0.0	0.0
6	11.352	0.088	0.098	1979.31	1.0	814.06	0.4	1194.41	0.6	0.0	0.0
7	12.426	0.080	0.093	81.13	4.01e-02	1.972e+04	9.8	241.67	0.1	0.0	0.0
8	16.372	0.061	0.081	362.92	0.2	9.88	4.89e-03	167.59	8.29e-02	0.0	0.0
9	18.457	0.054	0.077	4302.34	2.1	9.47	4.68e-03	10.91	5.39e-03	0.0	0.0
Risulta				2.011e+05		2.021e+05		2.022e+05			
In percentuale				99.47		99.97		99.99			

CDC	Tipo	Sigla Id	Note
11	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	
			categoria suolo: B
			fattore di sito S = 1.440
			ordinata spettro (tratto Tb-Tc) = 0.107 g
			angolo di ingresso: 90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.173 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
280.00	1.988e+04	1328.84	0.0	133.65	0.0	1211.59	0.0	0.021	0.098	0.0
276.78	625.16	2673.00	48.79	0.0	0.0	0.0	0.0	0.0	0.0	0.0
276.67	5784.87	1364.95	50.44	95.40	0.0	0.0	0.0	0.0	0.0	0.0
275.90	917.24	2.08e-04	62.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
273.55	623.54	2673.00	97.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0
273.33	5776.20	1364.93	100.89	95.40	0.0	0.0	0.0	0.0	0.0	0.0
271.81	1168.50	2.08e-04	124.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270.33	621.91	2673.00	146.36	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270.00	5767.52	1364.90	151.33	95.40	0.0	0.0	0.0	0.0	0.0	0.0
267.11	620.29	2673.00	195.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0
266.67	5758.85	1364.88	201.78	95.40	0.0	0.0	0.0	0.0	0.0	0.0
265.20	1051.38	2.08e-04	224.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
263.88	618.67	2673.00	243.93	0.0	0.0	0.0	0.0	0.0	0.0	0.0
263.33	5750.17	1364.85	252.22	95.40	0.0	0.0	0.0	0.0	0.0	0.0
262.13	679.93	2.08e-04	270.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0
260.66	617.05	2673.00	292.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0
260.00	5741.49	1364.83	302.67	95.40	0.0	0.0	0.0	0.0	0.0	0.0
259.07	678.46	2.08e-04	316.81	0.0	0.0	0.0	0.0	0.0	0.0	0.0
257.43	2065.73	2673.00	341.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
256.67	5732.82	1364.80	353.11	95.40	0.0	0.0	0.0	0.0	0.0	0.0
256.00	676.99	2.08e-04	363.22	0.0	0.0	0.0	0.0	0.0	0.0	0.0
253.33	5724.14	1364.78	403.56	95.40	0.0	0.0	0.0	0.0	0.0	0.0
252.93	1826.35	2.08e-04	409.62	0.0	0.0	0.0	0.0	0.0	0.0	0.0
250.00	5715.46	1364.75	454.00	95.40	0.0	0.0	0.0	0.0	0.0	0.0
246.67	5706.79	1364.73	504.44	95.40	0.0	0.0	0.0	0.0	0.0	0.0
243.33	5698.11	1364.70	554.89	95.40	0.0	0.0	0.0	0.0	0.0	0.0
240.00	5689.43	1364.67	605.33	95.40	0.0	0.0	0.0	0.0	0.0	0.0
239.10	1835.35	2.08e-04	619.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
238.44	2046.37	2672.99	629.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
236.67	5680.76	1364.65	655.78	95.40	0.0	0.0	0.0	0.0	0.0	0.0
235.91	692.71	2.08e-04	667.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0
235.36	576.00	2673.00	675.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
233.33	5672.08	1364.62	706.22	95.40	0.0	0.0	0.0	0.0	0.0	0.0
232.73	691.13	2.08e-04	715.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0
232.29	574.53	2673.00	722.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
230.00	5663.40	1364.60	756.67	95.40	0.0	0.0	0.0	0.0	0.0	0.0
229.55	689.54	2.08e-04	763.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
229.22	573.05	2673.00	768.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
226.67	5654.73	1364.57	807.11	95.40	0.0	0.0	0.0	0.0	0.0	0.0
226.37	687.96	2.08e-04	811.67	0.0	0.0	0.0	0.0	0.0	0.0	0.0
226.15	571.58	2673.00	815.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
223.33	5645.69	1364.54	857.56	95.40	0.0	0.0	0.0	0.0	0.0	0.0
223.18	686.31	2.08e-04	859.83	0.0	0.0	0.0	0.0	0.0	0.0	0.0
223.07	570.04	2673.00	861.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
220.00	3.056e+04	1346.89	800.69	133.65	0.0	1390.54	852.91	0.744	0.062	0.029
160.00	7427.16	1389.21	524.38	133.65	0.0	1390.54	852.91	0.744	0.002	0.182
130.00	6601.92	1389.21	524.38	133.65	0.0	1390.54	852.91	0.744	0.002	0.182
80.00	8343.91	1403.29	528.08	133.65	0.0	1386.72	852.91	0.738	0.024	0.181
30.00	9224.05	1409.58	529.87	133.65	0.0	1387.64	852.91	0.740	0.031	0.180
Risulta	2.022e+05									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	5.030	0.199	0.107	1.657e+05	81.9	3382.59	1.7	1.24	6.11e-04	0.0	0.0
2	5.776	0.173	0.107	1.143e+04	5.7	1.565e+05	77.4	84.23	4.17e-02	0.0	0.0
3	6.540	0.153	0.107	1.584e+04	7.8	2.134e+04	10.6	7.63	3.77e-03	0.0	0.0
4	9.525	0.105	0.107	2.16	1.07e-03	290.19	0.1	1.957e+05	96.8	0.0	0.0
5	10.331	0.097	0.103	2666.02	1.3	10.60	5.24e-03	570.73	0.3	0.0	0.0
6	10.733	0.093	0.101	71.40	3.53e-02	154.88	7.66e-02	5248.08	2.6	0.0	0.0
7	12.412	0.081	0.093	0.14	6.98e-05	2.045e+04	10.1	341.57	0.2	0.0	0.0
8	15.960	0.063	0.082	752.15	0.4	6.11	3.02e-03	194.46	9.62e-02	0.0	0.0
9	18.827	0.053	0.076	4965.95	2.5	0.14	6.69e-05	10.74	5.31e-03	0.0	0.0
Risulta				2.014e+05		2.021e+05		2.022e+05			
In percentuale				99.62		99.97		99.99			

CDC	Tipo	Sigla Id	Note
12	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	

CDC	Tipo	Sigla Id	Note
			categoria suolo: B
			fattore di sito S = 1.440
			ordinata spettro (tratto Tb-Tc) = 0.107 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.174 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
280.00	1.988e+04	1328.84	0.0	-133.65	0.0	1211.59	0.0	0.021	0.098	0.0
276.78	625.16	2673.00	48.79	0.0	0.0	0.0	0.0	0.0	0.0	0.0
276.67	5784.87	1364.95	50.44	-95.40	0.0	0.0	0.0	0.0	0.0	0.0
275.90	917.24	2.08e-04	62.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
273.55	623.54	2673.00	97.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0
273.33	5776.20	1364.93	100.89	-95.40	0.0	0.0	0.0	0.0	0.0	0.0
271.81	1168.50	2.08e-04	124.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270.33	621.91	2673.00	146.36	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270.00	5767.52	1364.90	151.33	-95.40	0.0	0.0	0.0	0.0	0.0	0.0
267.11	620.29	2673.00	195.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0
266.67	5758.85	1364.88	201.78	-95.40	0.0	0.0	0.0	0.0	0.0	0.0
265.20	1051.38	2.08e-04	224.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
263.88	618.67	2673.00	243.93	0.0	0.0	0.0	0.0	0.0	0.0	0.0
263.33	5750.17	1364.85	252.22	-95.40	0.0	0.0	0.0	0.0	0.0	0.0
262.13	679.93	2.08e-04	270.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0
260.66	617.05	2673.00	292.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0
260.00	5741.49	1364.83	302.67	-95.40	0.0	0.0	0.0	0.0	0.0	0.0
259.07	678.46	2.08e-04	316.81	0.0	0.0	0.0	0.0	0.0	0.0	0.0
257.43	2065.73	2673.00	341.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
256.67	5732.82	1364.80	353.11	-95.40	0.0	0.0	0.0	0.0	0.0	0.0
256.00	676.99	2.08e-04	363.22	0.0	0.0	0.0	0.0	0.0	0.0	0.0
253.33	5724.14	1364.78	403.56	-95.40	0.0	0.0	0.0	0.0	0.0	0.0
252.93	1826.35	2.08e-04	409.62	0.0	0.0	0.0	0.0	0.0	0.0	0.0
250.00	5715.46	1364.75	454.00	-95.40	0.0	0.0	0.0	0.0	0.0	0.0
246.67	5706.79	1364.73	504.44	-95.40	0.0	0.0	0.0	0.0	0.0	0.0
243.33	5698.11	1364.70	554.89	-95.40	0.0	0.0	0.0	0.0	0.0	0.0
240.00	5689.43	1364.67	605.33	-95.40	0.0	0.0	0.0	0.0	0.0	0.0
239.10	1835.35	2.08e-04	619.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
238.44	2046.37	2672.99	629.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
236.67	5680.76	1364.65	655.78	-95.40	0.0	0.0	0.0	0.0	0.0	0.0
235.91	692.71	2.08e-04	667.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0
235.36	576.00	2673.00	675.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
233.33	5672.08	1364.62	706.22	-95.40	0.0	0.0	0.0	0.0	0.0	0.0
232.73	691.13	2.08e-04	715.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0
232.29	574.53	2673.00	722.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
230.00	5663.40	1364.60	756.67	-95.40	0.0	0.0	0.0	0.0	0.0	0.0
229.55	689.54	2.08e-04	763.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
229.22	573.05	2673.00	768.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
226.67	5654.73	1364.57	807.11	-95.40	0.0	0.0	0.0	0.0	0.0	0.0
226.37	687.96	2.08e-04	811.67	0.0	0.0	0.0	0.0	0.0	0.0	0.0
226.15	571.58	2673.00	815.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
223.33	5645.69	1364.54	857.56	-95.40	0.0	0.0	0.0	0.0	0.0	0.0
223.18	686.31	2.08e-04	859.83	0.0	0.0	0.0	0.0	0.0	0.0	0.0
223.07	570.04	2673.00	861.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
220.00	3.056e+04	1346.89	800.69	-133.65	0.0	1390.54	852.91	0.744	0.062	0.029
160.00	7427.16	1389.21	524.38	-133.65	0.0	1390.54	852.91	0.744	0.002	0.182
130.00	6601.92	1389.21	524.38	-133.65	0.0	1390.54	852.91	0.744	0.002	0.182
80.00	8343.91	1403.29	528.08	-133.65	0.0	1386.72	852.91	0.738	0.024	0.181
30.00	9224.05	1409.58	529.87	-133.65	0.0	1387.64	852.91	0.740	0.031	0.180
Risulta	2.022e+05									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	5.032	0.199	0.107	1.660e+05	82.1	3306.49	1.6	0.18	9.03e-05	0.0	0.0
2	5.762	0.174	0.107	1.147e+04	5.7	1.552e+05	76.7	58.20	2.88e-02	0.0	0.0
3	6.566	0.152	0.107	1.548e+04	7.7	2.270e+04	11.2	65.09	3.22e-02	0.0	0.0
4	9.526	0.105	0.107	4.24	2.10e-03	296.54	0.1	1.957e+05	96.8	0.0	0.0
5	10.222	0.098	0.104	2595.01	1.3	24.29	1.20e-02	424.85	0.2	0.0	0.0
6	10.730	0.093	0.101	28.69	1.42e-02	147.72	7.31e-02	5380.60	2.7	0.0	0.0
7	12.412	0.081	0.093	8.79	4.35e-03	2.049e+04	10.1	323.01	0.2	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
8	15.916	0.063	0.082	880.06	0.4	0.93	4.58e-04	196.42	9.71e-02	0.0	0.0
9	18.648	0.054	0.076	4916.31	2.4	2.72	1.35e-03	12.53	6.20e-03	0.0	0.0
Risulta				2.014e+05		2.021e+05		2.022e+05			
In percentuale				99.60		99.97		99.99			

RISULTATI NODALI

Il controllo dei risultati delle analisi condotte, per quanto concerne i nodi strutturali, è possibile in relazione alla tabella sottoriportata. La tabella riporta infatti per ogni nodo e per ogni combinazione (o caso di carico) gli spostamenti nodali.

Nodo	Cmb	Traslazione X cm	Traslazione Y cm	Traslazione Z cm	Rotazione X	Rotazione Y	Rotazione Z
1	2	1.01e-03	9.92e-03	-0.51	0.0	-2.47e-05	1.02e-06
1	5	0.05	0.06	-0.40	0.0	7.79e-05	-2.28e-05
1	17	0.06	0.05	-0.40	0.0	7.97e-05	-4.02e-05
1	21	1.43e-03	0.07	-0.39	0.0	2.69e-05	1.66e-05
1	37	0.06	0.07	-0.41	0.0	1.04e-04	-2.96e-05
1	49	0.08	0.06	-0.41	0.0	1.07e-04	-5.21e-05
1	53	1.63e-03	0.09	-0.40	0.0	3.85e-05	2.12e-05
1	70	7.65e-04	7.57e-03	-0.38	0.0	-1.70e-05	0.0
1	72	7.40e-04	7.45e-03	-0.37	0.0	-1.39e-05	0.0
1	73	7.34e-04	7.43e-03	-0.36	0.0	-1.31e-05	0.0
2	2	-2.48e-04	0.01	-0.52	0.0	-2.63e-05	4.97e-06
2	5	0.05	0.06	-0.40	0.0	7.70e-05	-1.03e-05
2	17	0.06	0.05	-0.40	0.0	7.84e-05	-2.38e-05
2	21	1.45e-03	0.08	-0.39	0.0	2.54e-05	1.95e-05
2	37	0.07	0.08	-0.41	0.0	1.04e-04	-1.42e-05
2	49	0.08	0.07	-0.41	0.0	1.05e-04	-3.16e-05
2	53	1.85e-03	0.10	-0.40	0.0	3.69e-05	2.42e-05
2	70	-1.08e-04	9.73e-03	-0.38	0.0	-1.82e-05	3.66e-06
2	71	5.89e-05	9.53e-03	-0.36	0.0	-1.42e-05	3.34e-06
2	72	2.55e-05	9.57e-03	-0.37	0.0	-1.50e-05	3.41e-06
2	73	5.89e-05	9.53e-03	-0.36	0.0	-1.42e-05	3.34e-06
3	2	-1.06e-03	0.01	-0.52	0.0	-2.81e-05	7.25e-06
3	5	0.05	0.07	-0.40	0.0	7.57e-05	-8.84e-06
3	20	-0.07	-0.03	-0.32	0.0	-1.08e-04	2.94e-05
3	21	1.44e-03	0.08	-0.39	0.0	2.38e-05	1.97e-05
3	37	0.07	0.08	-0.41	0.0	1.02e-04	-1.28e-05
3	52	-0.09	-0.05	-0.31	0.0	-1.35e-04	3.66e-05
3	53	1.97e-03	0.11	-0.40	0.0	3.51e-05	2.41e-05
3	70	-6.71e-04	0.01	-0.39	0.0	-1.96e-05	5.29e-06
3	72	-4.42e-04	0.01	-0.37	0.0	-1.63e-05	4.84e-06
3	73	-3.84e-04	0.01	-0.36	0.0	-1.55e-05	4.73e-06
4	2	-1.45e-04	5.93e-03	-0.49	-1.36e-05	8.12e-06	1.85e-06
4	3	2.23e-04	4.12e-03	-0.33	-1.07e-05	4.30e-06	1.99e-06
4	10	0.02	-0.04	-0.32	-9.04e-06	1.78e-04	3.24e-05
4	20	-0.02	0.02	-0.38	2.74e-05	-1.56e-04	-1.81e-05
4	31	-9.57e-03	0.06	-0.33	-7.31e-05	-6.89e-05	-1.95e-05
4	42	0.03	-0.06	-0.31	-8.51e-06	2.28e-04	4.11e-05
4	52	-0.03	0.03	-0.39	3.80e-05	-2.03e-04	-2.38e-05
4	63	-0.01	0.08	-0.33	-9.08e-05	-9.03e-05	-2.56e-05
4	69	1.46e-04	4.22e-03	-0.34	-1.06e-05	4.74e-06	1.86e-06
4	70	-2.62e-05	4.45e-03	-0.37	-1.05e-05	5.75e-06	1.57e-06
4	71	1.46e-04	4.22e-03	-0.34	-1.06e-05	4.74e-06	1.86e-06
4	72	1.12e-04	4.27e-03	-0.35	-1.06e-05	4.95e-06	1.80e-06
4	73	1.46e-04	4.22e-03	-0.34	-1.06e-05	4.74e-06	1.86e-06
5	2	1.27e-04	6.97e-03	-0.50	0.0	7.53e-06	-1.54e-06
5	3	5.35e-04	5.24e-03	-0.33	0.0	5.04e-06	0.0
5	5	0.06	-0.02	-0.31	0.0	1.94e-04	3.64e-05
5	20	-0.05	0.02	-0.38	0.0	-1.71e-04	-2.52e-05
...							
1149	73	6.54e-04	6.94e-03	-0.37	0.0	-8.21e-06	3.64e-06
Nodo		Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
		-0.11	-0.10	-0.58	-2.53e-04	-3.45e-04	-1.12e-04
		0.12	0.12	-0.29	1.29e-04	3.50e-04	1.17e-04

RISULTATI OPERE DI FONDAZIONE

Per questo tipo di fondazione vengono riportate le pressioni alle estremità dell'elemento e la massima (in valore assoluto) pressione lungo lo sviluppo dell'elemento. Vengono inoltre riportati, con funzione statistica, i valori massimo e minimo delle pressioni che compaiono nella tabella.

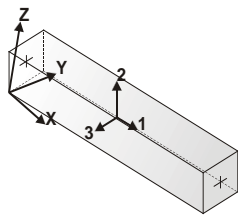
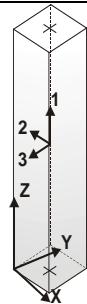
Elem.	Cmb	Pt ini daN/cm2	Pt fin daN/cm2	Pt max daN/cm2	Cmb	Pt ini daN/cm2	Pt fin daN/cm2	Pt max daN/cm2	Cmb	Pt ini daN/cm2	Pt fin daN/cm2	Pt max daN/cm2
6	2	-0.69	-0.69	-0.69	5	-0.49	-0.49	-0.49	37	-0.50	-0.50	-0.50
	70	-0.51	-0.52	-0.52	72	-0.48	-0.49	-0.49	73	-0.48	-0.48	-0.48
7	2	-0.66	-0.66	-0.66	5	-0.51	-0.51	-0.51	37	-0.52	-0.53	-0.53
	70	-0.49	-0.49	-0.49	72	-0.46	-0.47	-0.47	73	-0.46	-0.46	-0.46
8	2	-0.72	-0.72	-0.72	9	-0.51	-0.50	-0.51	41	-0.51	-0.51	-0.51
	70	-0.53	-0.53	-0.53	72	-0.50	-0.50	-0.50	73	-0.49	-0.49	-0.49
9	2	-0.75	-0.75	-0.75	13	-0.52	-0.52	-0.52	41	-0.52	-0.52	-0.52
	70	-0.55	-0.56	-0.56	72	-0.52	-0.52	-0.52	73	-0.51	-0.51	-0.51
10	2	-0.75	-0.75	-0.75	17	-0.52	-0.52	-0.52	49	-0.52	-0.52	-0.52
	70	-0.55	-0.56	-0.56	72	-0.52	-0.52	-0.52	73	-0.51	-0.51	-0.51
11	2	-0.74	-0.74	-0.74	9	-0.51	-0.51	-0.51	37	-0.52	-0.52	-0.52
	70	-0.55	-0.55	-0.55	72	-0.51	-0.52	-0.52	73	-0.51	-0.51	-0.51
12	2	-0.69	-0.70	-0.70	5	-0.49	-0.49	-0.49	37	-0.50	-0.49	-0.50
	70	-0.52	-0.52	-0.52	72	-0.49	-0.49	-0.49	73	-0.48	-0.48	-0.48
21	2	-0.72	-0.73	-0.73	29	-0.54	-0.54	-0.54	61	-0.55	-0.56	-0.56
	70	-0.54	-0.54	-0.54	72	-0.51	-0.51	-0.51	73	-0.50	-0.50	-0.50
22	2	-0.76	-0.76	-0.76	21	-0.55	-0.55	-0.55	57	-0.56	-0.56	-0.56
	70	-0.56	-0.56	-0.56	72	-0.53	-0.53	-0.53	73	-0.52	-0.52	-0.52
23	2	-0.75	-0.75	-0.75	29	-0.55	-0.55	-0.55	61	-0.56	-0.56	-0.56
	70	-0.56	-0.56	-0.56	72	-0.53	-0.53	-0.53	73	-0.52	-0.52	-0.52
25	2	-0.70	-0.70	-0.70	5	-0.54	-0.54	-0.54	37	-0.56	-0.56	-0.56
	70	-0.52	-0.52	-0.52	72	-0.50	-0.50	-0.50	73	-0.49	-0.49	-0.49
28	2	-0.75	-0.75	-0.75	25	-0.55	-0.55	-0.55	57	-0.56	-0.56	-0.56
	70	-0.56	-0.56	-0.56	72	-0.53	-0.53	-0.53	73	-0.52	-0.52	-0.52
34	2	-0.71	-0.71	-0.71	21	-0.54	-0.54	-0.54	53	-0.56	-0.56	-0.56
	70	-0.53	-0.53	-0.53	72	-0.50	-0.50	-0.50	73	-0.49	-0.49	-0.49
35	2	-0.75	-0.75	-0.75	21	-0.55	-0.55	-0.55	53	-0.56	-0.56	-0.56
	70	-0.56	-0.56	-0.56	72	-0.53	-0.53	-0.53	73	-0.52	-0.52	-0.52
36	2	-0.66	-0.71	-0.71	29	-0.51	-0.53	-0.53	61	-0.52	-0.55	-0.55
	70	-0.49	-0.53	-0.53	72	-0.47	-0.50	-0.50	73	-0.46	-0.49	-0.49
39	2	-0.71	-0.72	-0.72	9	-0.51	-0.51	-0.51	41	-0.51	-0.51	-0.51
	70	-0.53	-0.53	-0.53	72	-0.50	-0.50	-0.50	73	-0.49	-0.49	-0.49
40	2	-0.72	-0.72	-0.72	21	-0.54	-0.54	-0.54	53	-0.56	-0.56	-0.56
	70	-0.54	-0.54	-0.54	72	-0.51	-0.51	-0.51	73	-0.50	-0.50	-0.50
42	2	-0.64	-0.64	-0.64	13	-0.50	-0.50	-0.50	45	-0.51	-0.51	-0.51
	70	-0.48	-0.48	-0.48	72	-0.46	-0.46	-0.46	73	-0.45	-0.45	-0.45
45	2	-0.73	-0.73	-0.73	29	-0.54	-0.54	-0.54	61	-0.56	-0.55	-0.56
	70	-0.54	-0.54	-0.54	72	-0.51	-0.51	-0.51	73	-0.50	-0.50	-0.50
46	2	-0.65	-0.65	-0.65	33	-0.50	-0.50	-0.50	65	-0.52	-0.51	-0.52
	70	-0.49	-0.49	-0.49	72	-0.46	-0.46	-0.46	73	-0.45	-0.45	-0.45
47	2	-0.69	-0.69	-0.69	5	-0.50	-0.49	-0.50	37	-0.50	-0.50	-0.50
	70	-0.51	-0.51	-0.51	72	-0.48	-0.48	-0.48	73	-0.47	-0.48	-0.48
48	2	-0.66	-0.66	-0.66	5	-0.51	-0.51	-0.51	37	-0.53	-0.53	-0.53
	70	-0.49	-0.49	-0.49	72	-0.47	-0.47	-0.47	73	-0.46	-0.46	-0.46
49	2	-0.72	-0.72	-0.72	9	-0.50	-0.50	-0.50	41	-0.51	-0.50	-0.51
	70	-0.53	-0.54	-0.54	72	-0.50	-0.50	-0.50	73	-0.49	-0.50	-0.50
50	2	-0.75	-0.75	-0.75	25	-0.52	-0.52	-0.52	57	-0.52	-0.52	-0.52
	70	-0.56	-0.56	-0.56	72	-0.52	-0.52	-0.52	73	-0.51	-0.51	-0.51
...												
349	70	-0.54	-0.54	-0.54	72	-0.51	-0.51	-0.51	73	-0.50	-0.50	-0.50
Elem.		Pt ini	Pt fin	Pt max		Pt ini	Pt fin	Pt max		Pt ini	Pt fin	Pt max
		-0.76										
		-0.44										

RISULTATI ELEMENTI TIPO TRAVE

Il controllo dei risultati delle analisi condotte, per quanto concerne gli elementi tipo trave, è possibile in relazione alle tabelle sotto riportate. Per ogni elemento e per ogni combinazione (o caso di carico) vengono riportati i risultati più significativi.

TRAVE	numero dell'elemento trave
Cmb	combinazione in cui si verificano i valori riportati
M3 mx/mn	momento flettente in campata M3 max (prima riga) / min (seconda riga)
M2 mx/mn	momento flettente in campata M2 max (prima riga) / min (seconda riga)
D2/D3	freccia massima in direzione 2 (prima riga) / direzione 3 (seconda riga)
Q2/Q3	carico totale in direzione 2 (prima riga) / direzione 3 (seconda riga)
Pos.	ascissa del punto iniziale e finale dell'elemento
N, V2, ecc..	sei componenti di sollecitazione al piede ed in sommità dell'elemento

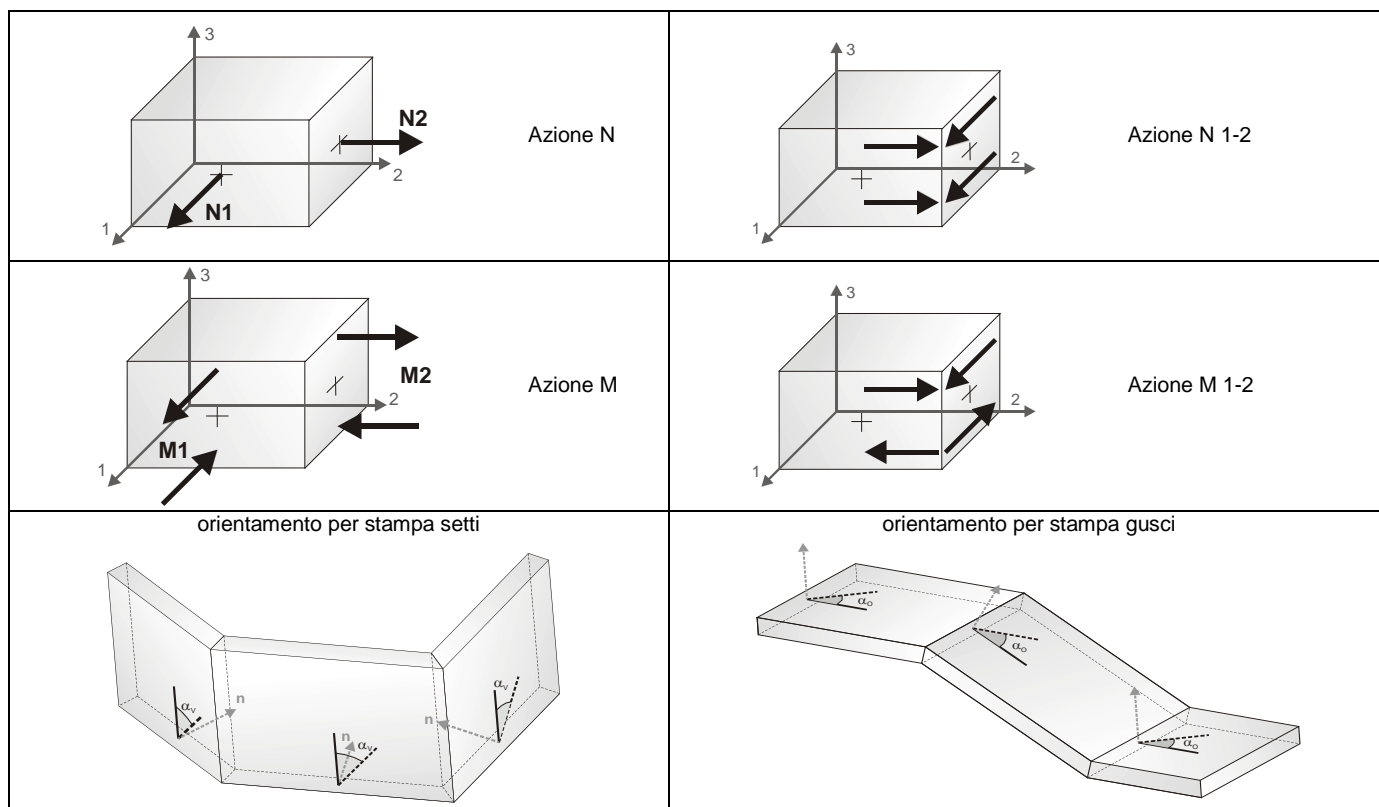
Per gli elementi tipo *trave in fondazione* (trave f.) sono riportati, oltre al numero dell'elemento, i medesimi risultati visti per i pilastri e la massima pressione sul terreno.

													
orientamento elementi 2D non verticali							orientamento elementi 2D verticali						
Trave	Cmb	M3 mx/mn daN cm	M2 mx/mn daN cm	D 2 / D 3 cm	Q 2 / Q 3 daN	Pos. cm	N daN	V 2 daN	V 3 daN	T daN cm	M 2 daN cm	M 3 daN cm	
1	2	5269.08 -1.079e+04	103.09 -37.19	-3.39e-03 -1.50e-04	-1895.53 0.0	0.0	283.72	1097.96	-4.11	438.49	103.09	-1.079e+04	
						3.2	275.90	979.49	-4.11	438.49	94.32	-7511.26	
						6.3	268.07	861.02	-4.11	438.49	85.55	-4603.58	
						9.5	260.24	742.55	-4.11	438.49	76.78	-2070.22	
						12.6	252.41	624.08	-4.11	438.49	68.02	88.81	
						15.8	244.58	505.61	-4.11	438.49	59.25	1873.52	
						19.0	236.75	387.14	-4.11	438.49	50.48	3283.90	
						22.1	228.93	268.67	-4.11	438.49	41.72	4319.95	
						25.3	221.10	150.20	-4.11	438.49	32.95	4981.68	
						28.4	213.27	31.73	-4.11	438.49	24.18	5269.08	
						31.6	205.44	-86.75	-4.11	438.49	15.42	5182.16	
						34.8	197.61	-205.22	-4.11	438.49	6.65	4720.91	
						37.9	189.78	-323.69	-4.11	438.49	-2.12	3885.34	
						41.1	181.95	-442.16	-4.11	438.49	-10.89	2675.44	
						44.2	174.13	-560.63	-4.11	438.49	-19.65	1091.22	
						47.4	166.30	-679.10	-4.11	438.49	-28.42	-867.34	
						50.6	158.47	-797.57	-4.11	438.49	-37.19	-3200.21	
1	4	3687.92 -8015.51	76.18 -27.13	-2.58e-03 -1.15e-04	-1372.16 0.0	0.0	218.01	797.48	-3.15	365.91	76.18	-8015.51	
						3.2	212.34	711.72	-3.15	365.91	69.72	-5631.24	
						6.3	206.68	625.96	-3.15	365.91	63.26	-3517.94	
						9.5	201.01	540.20	-3.15	365.91	56.81	-1675.62	
						12.6	195.34	454.44	-3.15	365.91	50.35	-104.26	
						15.8	189.67	368.68	-3.15	365.91	43.89	1196.12	
						19.0	184.01	282.92	-3.15	365.91	37.44	2225.53	
						22.1	178.34	197.16	-3.15	365.91	30.98	2983.96	
						25.3	172.67	111.40	-3.15	365.91	24.52	3471.43	
						28.4	167.01	25.64	-3.15	365.91	18.06	3687.92	
						31.6	161.34	-60.12	-3.15	365.91	11.61	3633.44	
						34.8	155.67	-145.88	-3.15	365.91	5.15	3307.99	
						37.9	150.01	-231.64	-3.15	365.91	-1.31	2711.56	
						41.1	144.34	-317.40	-3.15	365.91	-7.76	1844.17	
						44.2	138.67	-403.16	-3.15	365.91	-14.22	705.80	
						47.4	133.00	-488.92	-3.15	365.91	-20.68	-703.54	
						50.6	127.34	-574.68	-3.15	365.91	-27.13	-2383.85	
1	6	2480.10 -7791.81	423.66 -383.22	-5.24e-04 -1.46e-03	-1167.07 0.0	0.0	276.30	689.58	-16.61	4831.20	423.66	-7791.81	
						3.2	271.48	616.64	-16.61	4831.20	373.23	-5728.61	
						6.3	266.66	543.69	-16.61	4831.20	322.80	-3895.87	
						9.5	261.84	470.75	-16.61	4831.20	272.37	-2293.61	
						12.6	257.02	397.81	-16.61	4831.20	221.94	-921.81	
						15.8	252.20	324.87	-16.61	4831.20	171.51	219.51	
						19.0	247.38	251.93	-16.61	4831.20	121.08	1130.37	
						22.1	242.56	178.99	-16.61	4831.20	70.65	1810.75	
						25.3	237.74	106.04	-16.61	4831.20	20.22	2260.66	
						28.4	232.92	33.10	-16.61	4831.20	-30.21	2480.10	
						31.6	228.10	-39.84	-16.61	4831.20	-80.64	2469.07	
						34.8	223.28	-112.78	-16.61	4831.20	-131.07	2227.57	
						37.9	218.46	-185.72	-16.61	4831.20	-181.50	1755.60	
						41.1	213.64	-258.66	-16.61	4831.20	-231.93	1053.16	
...													
350	73	-7.917e+04	399.33	-7.29e-04	0.0	113.7	-640.45	-604.40	44.71	-4224.23	5483.11	-7.917e+04	
Trave	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3		N	V 2	V 3	T				
	-1.777e+05	-4.258e+04	-0.05	-5323.19		-2857.47	-2659.35	-445.04	-2.861e+04				
	1.167e+05	2.840e+04	0.04	0.0		2120.07	2663.84	483.32	3.056e+04				
Trave f.	Cmb	M3 mx/mn daN cm	M2 mx/mn daN cm	D 2 / D 3 cm	Pt daN/cm2	Pos. cm	N daN	V 2 daN	V 3 daN	T daN cm	M 2 daN cm	M 3 daN cm	
6	2	4.525e+04	2636.23	-2.69e-03	-0.69	0.0	5144.84	-754.71	-0.55	-1.365e+04	2636.23	4.525e+04	
		3.376e+04	2608.29	7.73e-05		3.2	5144.84	-676.75	-0.55	-1.365e+04	2634.49	4.300e+04	
						6.3	5144.84	-598.75	-0.55	-1.365e+04	2632.74	4.099e+04	

						9.5	5144.84	-520.71	-0.55	-1.365e+04	2630.99	3.922e+04
						12.6	5144.84	-442.64	-0.55	-1.365e+04	2629.25	3.770e+04
						15.8	5144.84	-364.53	-0.55	-1.365e+04	2627.50	3.643e+04
						18.9	5144.84	-286.39	-0.55	-1.365e+04	2625.75	3.540e+04
						22.1	5144.84	-208.21	-0.55	-1.365e+04	2624.01	3.462e+04
						25.2	5144.84	-130.00	-0.55	-1.365e+04	2622.26	3.409e+04
						28.4	5144.84	-51.75	-0.55	-1.365e+04	2620.52	3.380e+04
						31.5	5144.84	26.53	-0.55	-1.365e+04	2618.77	3.376e+04
						34.7	5144.84	104.85	-0.55	-1.364e+04	2617.02	3.397e+04
						37.8	5144.84	183.20	-0.55	-1.364e+04	2615.28	3.443e+04
						41.0	5144.84	261.58	-0.55	-1.364e+04	2613.53	3.513e+04
						44.1	5144.84	340.00	-0.55	-1.364e+04	2611.79	3.608e+04
						47.3	5144.84	418.45	-0.55	-1.364e+04	2610.04	3.727e+04
						50.4	5144.84	496.94	-0.55	-1.364e+04	2608.29	3.871e+04
6	3	2.671e+04	1923.20	-1.99e-03	-0.46	0.0	2985.50	-478.25	-2.52	-1.049e+04	1923.20	2.671e+04
		1.938e+04	1796.20	4.11e-05		3.2	2985.50	-429.17	-2.52	-1.049e+04	1915.27	2.528e+04
						6.3	2985.50	-380.06	-2.52	-1.049e+04	1907.33	2.400e+04
						9.5	2985.50	-330.93	-2.52	-1.048e+04	1899.39	2.288e+04
						12.6	2985.50	-281.77	-2.52	-1.048e+04	1891.45	2.191e+04
						15.8	2985.50	-232.58	-2.52	-1.048e+04	1883.51	2.110e+04
						18.9	2985.50	-183.37	-2.52	-1.048e+04	1875.58	2.045e+04
						22.1	2985.50	-134.14	-2.52	-1.048e+04	1867.64	1.995e+04
						25.2	2985.50	-84.87	-2.52	-1.048e+04	1859.70	1.960e+04
						28.4	2985.50	-35.58	-2.52	-1.048e+04	1851.76	1.941e+04
						31.5	2985.50	13.73	-2.52	-1.048e+04	1843.83	1.938e+04
						34.7	2985.50	63.07	-2.52	-1.048e+04	1835.89	1.950e+04
						37.8	2985.50	112.43	-2.52	-1.048e+04	1827.95	1.977e+04
						41.0	2985.50	161.82	-2.52	-1.048e+04	1820.01	2.021e+04
						44.1	2985.50	211.24	-2.52	-1.048e+04	1812.07	2.079e+04
						47.3	2985.50	260.68	-2.52	-1.048e+04	1804.14	2.154e+04
						50.4	2985.50	310.14	-2.52	-1.048e+04	1796.20	2.244e+04
6	5	2.994e+04	2.769e+04	-0.02	-0.49	0.0	3445.93	-483.73	11.30	-1.256e+04	2.769e+04	2.994e+04
		2.234e+04	2.729e+04	1.24e-03		3.2	3445.93	-434.29	11.30	-1.256e+04	2.766e+04	2.846e+04
						6.3	3445.93	-384.77	11.30	-1.256e+04	2.764e+04	2.713e+04
						9.5	3445.93	-335.16	11.30	-1.256e+04	2.761e+04	2.597e+04
						12.6	3445.93	-285.47	11.30	-1.256e+04	2.759e+04	2.497e+04
						15.8	3445.93	-235.68	11.30	-1.256e+04	2.756e+04	2.413e+04
						18.9	3445.93	-185.78	11.30	-1.256e+04	2.754e+04	2.346e+04
						22.1	3445.93	-135.73	11.30	-1.255e+04	2.751e+04	2.294e+04
						25.2	3445.93	-85.45	11.30	-1.255e+04	2.749e+04	2.258e+04
						28.4	3445.93	-34.55	11.30	-1.255e+04	2.746e+04	2.238e+04
						31.5	3445.93	17.94	11.30	-1.255e+04	2.744e+04	2.234e+04
						34.7	3445.93	71.15	11.30	-1.255e+04	2.741e+04	2.247e+04
						37.8	3445.93	124.50	11.30	-1.255e+04	2.739e+04	2.275e+04
						41.0	3445.93	177.89	11.30	-1.255e+04	2.736e+04	2.319e+04
...												
349	73	-3.010e+04	-332.09	2.99e-04	-0.50	50.9	1513.53	254.89	-23.35	5983.53	-332.09	-2.845e+04
Trave f.		M3 mx/mn	M2 mx/mn	D 2 / D 3	Pt		N	V 2	V 3	T		
		-2.780e+05	-1.354e+05	-0.10	-0.76		-1421.90	-6557.96	-769.92	-8.360e+04		
		5.586e+05	1.333e+05	0.11	-0.38		6330.99	8131.71	765.89	8.172e+04		

RISULTATI ELEMENTI TIPO SHELL

Per ogni elemento, e per ogni combinazione(o caso di carico) vengono riportati i risultati più significativi.



In particolare vengono riportati in ogni nodo di un elemento per ogni combinazione:

tensione di Von Mises		(valore riassuntivo del complessivo stato di sollecitazione)
N max		sforzo membranale principale massimo
N min		sforzo membranale principale minimo
M max		sforzo flessionale principale massimo
M min		sforzo flessionale principale minimo
N1	N2	sforzi membranali e flessionali in direzione locale 1 e 2 dell'elemento (lo sforzo 2-1 è uguale allo sforzo 1-2 per la reciprocità delle tensioni tangenziali)
N1-2	M1	
M2	M1-2	

In particolare vengono riportati per ogni quota Z dei nodi e per ogni combinazione i seguenti valori:

N memb.	Azione membranale complessiva agente sulla parete in direzione Z
V memb.	Azione complessiva di taglio agente nel piano del macroelemento
V orto	Azione complessiva di taglio agente in direzione perpendicolare al macroelemento
M memb.	Azione flessionale complessiva agente nel piano del macroelemento
M orto	Azione flessionale complessiva agente in direzione perpendicolare al macroelemento
T	Azione torsionale complessiva agente nel piano orizzontale

Macro	Tipo	Angolo 1-Z (gradi)
1	Setto	0.0

M_S	Cmb	Z cm	N memb. daN	V memb. daN	V orto daN	M memb. daN cm	M orto daN cm	T daN cm
1	2	-30.00	-3.126e+04	-1600.76	145.72	3.454e+06	-3146.88	7697.43
1	2	30.00	-3.227e+04	-1669.16	98.58	3.097e+06	4182.03	1.155e+04
1	2	80.00	-3.209e+04	-63.30	103.98	2.702e+06	9434.84	9445.66
1	2	130.00	-3.191e+04	-59.32	103.44	2.233e+06	1.465e+04	6375.54
1	2	160.00	-3.158e+04	-21.07	104.76	1.943e+06	1.776e+04	3438.85
1	2	220.00	-3.168e+04	233.37	122.35	1.395e+06	2.435e+04	-5276.83
1	2	223.33	-1.318e+04	-3583.25	8.69	-1.822e+04	1602.31	1095.33
1	2	226.67	-1.168e+04	-2621.75	6.67	-3.819e+04	1458.14	684.83
1	2	230.00	-1.000e+04	-1849.73	4.60	-2.551e+04	1312.92	321.13
1	2	233.33	-8314.45	-1223.50	1.06	-1.505e+04	1131.73	81.49

1	2	236.67	-6640.55	-691.22	3.05	-8441.24	1019.11	-86.36
1	2	240.00	-4962.61	-285.01	6.01	-3369.99	913.17	-253.09
1	2	243.33	-3296.92	-56.72	5.22	-717.06	703.45	-325.04
1	2	246.67	-1651.95	40.74	1.62	-195.74	382.45	-266.19
1	3	-30.00	-1.951e+04	-1021.35	70.18	2.118e+06	1517.33	5502.36
1	3	30.00	-2.009e+04	-1046.47	44.79	1.921e+06	4966.42	7153.85
1	3	80.00	-1.973e+04	-72.76	47.99	1.703e+06	7391.35	5512.38
1	3	130.00	-1.938e+04	-72.73	47.62	1.439e+06	9798.65	3463.33
1	3	160.00	-1.899e+04	-51.98	48.07	1.277e+06	1.123e+04	1663.04
1	3	220.00	-1.882e+04	87.43	55.29	9.732e+05	1.424e+04	-3518.90
1	3	223.33	-7562.04	-2087.35	1.64	-9955.36	930.66	426.97
1	3	226.67	-6705.36	-1538.92	1.01	-2.118e+04	864.69	226.38
1	3	230.00	-5740.95	-1093.73	0.10	-1.426e+04	783.71	46.85
1	3	233.33	-4774.93	-729.58	-1.62	-8486.89	677.53	-65.06
1	3	236.67	-3814.68	-417.64	-0.11	-4788.66	608.78	-138.79
1	3	240.00	-2851.37	-177.66	2.00	-1910.56	542.67	-212.68
1	3	243.33	-1894.62	-40.42	2.00	-397.72	416.46	-232.99
1	3	246.67	-949.49	20.57	0.40	-106.49	225.58	-176.90
1	14	-30.00	-2.019e+04	377.33	483.58	2.026e+06	-4.771e+04	1.008e+04
1	14	30.00	-2.081e+04	345.90	455.69	1.811e+06	-4.376e+04	1.798e+04
1	14	80.00	-2.049e+04	1496.61	379.19	1.569e+06	-2.095e+04	2.401e+04
1	14	130.00	-2.015e+04	1528.91	334.86	1.278e+06	-2736.52	2.491e+04
1	14	160.00	-1.983e+04	1523.79	286.81	1.107e+06	1.022e+04	2.307e+04
1	14	220.00	-1.968e+04	1680.26	266.76	7.783e+05	2.334e+04	1.417e+04
1	14	223.33	-7990.33	-1606.48	-18.25	-2.317e+04	895.62	1.323e+04
1	14	226.67	-7032.95	-1095.54	-6.42	-2.423e+04	1128.18	1.161e+04
1	14	230.00	-6003.41	-696.89	3.67	-1.341e+04	1405.11	9755.04
1	14	233.33	-4998.05	-388.20	7.58	-7993.89	1504.31	7837.91
1	14	236.67	-3997.09	-139.39	12.68	-4574.01	1488.02	5903.73
1	14	240.00	-2990.88	30.29	16.62	-1838.95	1344.18	3999.00
1	14	243.33	-1989.31	89.95	15.49	-388.40	1049.95	2417.13
1	14	246.67	-997.97	112.78	7.76	-107.42	587.11	1050.81
1	18	-30.00	-2.012e+04	80.56	508.10	1.982e+06	-5.196e+04	9866.51
1	18	30.00	-2.074e+04	49.13	480.21	1.768e+06	-4.801e+04	1.802e+04
1	18	80.00	-2.043e+04	1190.33	406.38	1.536e+06	-2.351e+04	2.428e+04
1	18	130.00	-2.011e+04	1234.45	358.99	1.254e+06	-3796.69	2.545e+04
1	18	160.00	-1.980e+04	1239.99	311.27	1.090e+06	9689.78	2.374e+04
1	18	220.00	-1.969e+04	1412.05	286.82	7.590e+05	2.348e+04	1.475e+04
...								
1	73	246.67	-1023.18	23.04	0.59	-116.60	241.32	-183.29
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-3.227e+04	-4669.73	-193.52	-3.819e+04	-6.720e+04	-1.037e+04
			-949.49	3056.30	629.07	3.454e+06	3.344e+04	3.172e+04

Macro	Tipo	Angolo 1-Z (gradi)
2	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
2	2	-30.00	-1.620e+04	2638.71	230.59	3.756e+05	-1.855e+04	8868.07
2	2	30.00	-1.544e+04	2645.80	187.51	4.400e+05	-6002.16	5969.55
2	2	80.00	-1.427e+04	3525.68	103.32	5.991e+05	-932.75	2686.79
2	2	130.00	-1.281e+04	3490.88	72.14	6.147e+05	2298.06	519.23
2	2	160.00	-1.170e+04	3490.09	101.57	6.379e+05	4909.02	272.19
2	2	220.00	-1.047e+04	2138.83	297.58	6.905e+05	1.494e+04	1214.47
2	3	-30.00	-1.076e+04	1409.91	123.34	3.052e+05	-1.067e+04	5173.06
2	3	30.00	-1.033e+04	1399.68	115.12	3.351e+05	-3520.45	3372.42
2	3	80.00	-9492.26	1852.39	59.56	4.155e+05	-606.95	1351.13
2	3	130.00	-8520.77	1831.15	36.59	4.074e+05	1061.24	-73.57
2	3	160.00	-7769.31	1830.83	51.44	4.113e+05	2388.00	-301.80
2	3	220.00	-6957.62	1048.45	151.42	4.204e+05	7444.04	73.95
2	12	-30.00	-1.094e+04	165.07	69.84	6.497e+05	-9193.95	5643.38
2	12	30.00	-1.048e+04	158.44	55.91	6.841e+05	-1467.90	5150.95
2	12	80.00	-9411.32	-141.92	44.62	6.430e+05	-1331.94	3646.03
2	12	130.00	-8371.18	-63.29	36.79	5.369e+05	-63.51	2026.87
2	12	160.00	-7699.06	-55.19	56.05	4.399e+05	1709.42	1811.09
2	12	220.00	-6745.18	-366.99	168.90	3.561e+05	7283.43	632.71
2	14	-30.00	-1.074e+04	3167.92	128.04	-7.038e+04	-1.122e+04	4649.14
2	14	30.00	-1.028e+04	3161.29	114.11	-3.600e+04	-3494.66	1658.29
2	14	80.00	-9766.61	4449.69	57.47	1.954e+05	-376.53	-895.04
2	14	130.00	-8852.49	4346.65	28.92	2.934e+05	1355.55	-2431.18
2	14	160.00	-8052.60	4324.40	62.42	4.023e+05	2380.47	-2727.30
2	14	220.00	-7476.21	2972.04	174.94	5.222e+05	8206.68	-821.79
2	27	-30.00	-1.240e+04	640.21	275.77	5.067e+05	-1.626e+04	7277.18
2	27	30.00	-1.193e+04	633.58	261.84	5.411e+05	-8536.68	5416.80

2	27	80.00	-1.072e+04	880.26	112.72	5.574e+05	93.35	2901.81
2	27	130.00	-9496.59	859.22	71.23	4.925e+05	3331.15	1858.52
2	27	160.00	-8596.07	842.54	45.24	4.631e+05	5347.58	1861.97
2	27	220.00	-7413.74	168.98	154.92	4.339e+05	1.066e+04	2165.41
2	44	-30.00	-1.089e+04	-225.07	50.23	7.504e+05	-8531.75	5662.39
2	44	30.00	-1.042e+04	-231.70	36.29	7.848e+05	-805.70	5575.80
2	44	80.00	-9295.60	-762.64	39.23	7.056e+05	-1526.65	4258.88
2	44	130.00	-8248.31	-652.46	35.67	5.697e+05	-390.29	2597.42
2	44	160.00	-7603.62	-643.14	55.96	4.430e+05	1421.71	2379.33
2	44	220.00	-6616.07	-809.16	169.36	3.301e+05	6974.55	733.51
2	46	-30.00	-1.063e+04	3624.90	127.17	-1.778e+05	-1.114e+04	4387.90
2	46	30.00	-1.016e+04	3618.26	113.24	-1.434e+05	-3413.48	1079.46
2	46	80.00	-9751.10	5131.69	55.42	1.292e+05	-261.14	-1593.56
2	46	130.00	-8864.00	5002.79	25.37	2.570e+05	1383.28	-3140.18
2	46	160.00	-8060.38	4975.21	63.20	3.946e+05	2299.58	-3453.51
2	46	220.00	-7555.26	3482.30	175.38	5.443e+05	8153.31	-1134.94
2	59	-30.00	-1.275e+04	379.36	314.95	5.657e+05	-1.764e+04	7791.40
2	59	30.00	-1.228e+04	372.72	301.01	6.000e+05	-9912.71	5942.94
2	59	80.00	-1.097e+04	545.38	126.68	5.949e+05	213.57	3309.99
2	59	130.00	-9673.07	525.65	80.02	5.121e+05	3904.39	2384.96
2	59	160.00	-8733.16	503.96	42.52	4.725e+05	6091.99	2449.74
2	59	220.00	-7463.88	-123.16	152.08	4.301e+05	1.132e+04	2710.83
...								
2	73	220.00	-7209.09	1185.34	169.20	4.458e+05	8372.17	271.27
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-1.620e+04	-809.16	25.37	-1.778e+05	-1.855e+04	-3453.51
			-6616.07	5131.69	314.95	7.848e+05	1.494e+04	8868.07

Macro	Tipo	Angolo 1-Z (gradi)
3	Setto	0.0

M_S	Cmb	Z cm	N memb. daN	V memb. daN	V orto daN	M memb. daN cm	M orto daN cm	T daN cm
3	2	-30.00	-3.525e+04	-1627.56	-162.21	3.187e+06	1.939e+04	-1.292e+04
3	2	30.00	-3.608e+04	-1549.57	-105.74	2.906e+06	1.136e+04	-1.209e+04
3	2	80.00	-3.592e+04	199.06	-187.00	2.492e+06	319.82	-5882.17
3	2	130.00	-3.566e+04	205.16	-159.10	2.048e+06	-8719.60	-2772.33
3	2	160.00	-3.522e+04	249.22	-165.30	1.801e+06	-1.346e+04	127.33
3	2	220.00	-3.505e+04	512.88	-142.68	1.359e+06	-2.197e+04	9205.80
3	2	223.33	-1.457e+04	-4209.01	-36.74	-4.288e+04	-675.77	1243.85
3	2	226.67	-1.284e+04	-3183.56	-34.68	-4.663e+04	-865.68	1285.59
3	2	230.00	-1.098e+04	-2263.77	-28.98	-3.021e+04	-890.84	1291.11
3	2	233.33	-9135.31	-1476.32	-20.53	-1.807e+04	-825.94	1236.35
3	2	236.67	-7294.19	-818.62	-14.51	-9744.29	-751.31	1085.97
3	2	240.00	-5456.71	-321.39	-12.31	-4270.22	-695.83	936.93
3	2	243.33	-3623.05	-31.97	-8.25	-946.54	-557.23	736.10
3	2	246.67	-1814.48	75.80	-2.94	-240.90	-316.39	439.51
3	3	-30.00	-2.180e+04	-1053.57	-78.96	1.946e+06	7932.96	-8948.52
3	3	30.00	-2.228e+04	-991.33	-46.21	1.794e+06	4178.22	-7629.89
3	3	80.00	-2.194e+04	66.36	-93.90	1.561e+06	-1524.08	-3477.66
3	3	130.00	-2.154e+04	67.90	-74.76	1.314e+06	-5978.02	-1379.70
3	3	160.00	-2.108e+04	90.62	-75.40	1.181e+06	-8189.54	455.00
3	3	220.00	-2.073e+04	233.64	-68.72	9.461e+05	-1.234e+04	6005.37
3	3	223.33	-8337.26	-2485.32	-19.28	-2.516e+04	-251.34	1085.69
3	3	226.67	-7344.02	-1897.15	-17.90	-2.621e+04	-416.98	1013.75
3	3	230.00	-6285.40	-1358.12	-14.77	-1.711e+04	-467.50	946.10
3	3	233.33	-5229.84	-891.86	-10.15	-1.032e+04	-452.90	864.61
3	3	236.67	-4176.91	-500.52	-6.80	-5592.51	-420.77	736.72
3	3	240.00	-3125.28	-203.08	-5.83	-2453.80	-395.43	617.47
3	3	243.33	-2075.30	-27.48	-3.85	-318.74	-318.74	473.40
3	3	246.67	-1039.47	40.83	-1.21	-133.19	-181.33	276.92
3	13	-30.00	-2.341e+04	-2156.39	367.78	2.314e+06	-5.087e+04	-6072.97
3	13	30.00	-2.392e+04	-2094.66	402.98	2.147e+06	-5.518e+04	1756.71
3	13	80.00	-2.365e+04	-1072.76	299.76	1.888e+06	-3.755e+04	1.448e+04
3	13	130.00	-2.331e+04	-1146.51	271.53	1.619e+06	-2.368e+04	2.028e+04
3	13	160.00	-2.291e+04	-1103.00	220.76	1.470e+06	-1.215e+04	2.264e+04
3	13	220.00	-2.265e+04	-972.43	182.85	1.194e+06	-3701.56	2.513e+04
3	13	223.33	-9073.08	-3027.75	-22.93	-1.610e+04	-118.85	1.422e+04
3	13	226.67	-8047.88	-2325.91	-9.09	-2.903e+04	-157.69	1.263e+04
3	13	230.00	-6896.93	-1680.06	1.81	-2.114e+04	42.52	1.087e+04
3	13	233.33	-5727.16	-1109.13	11.63	-1.215e+04	224.68	8996.53
3	13	236.67	-4563.92	-662.41	16.77	-5839.69	313.54	7039.11
3	13	240.00	-3419.73	-361.32	14.31	-2842.06	283.63	5139.77
3	13	243.33	-2269.07	-124.60	12.05	-626.28	231.78	3315.90
3	13	246.67	-1135.45	-26.20	7.48	-151.72	142.18	1594.85

3	29	-30.00	-2.254e+04	-3924.11	49.69	1.616e+06	648.84	-6441.67
3	29	30.00	-2.305e+04	-3862.38	84.89	1.449e+06	-3662.94	-3734.59
3	29	80.00	-2.292e+04	-2884.08	-54.48	1.278e+06	-6665.50	2873.37
3	29	130.00	-2.270e+04	-2778.53	-38.21	1.086e+06	-8560.84	5801.83
3	29	160.00	-2.236e+04	-2621.74	-47.99	9.961e+05	-7892.84	7644.95
3	29	220.00	-2.216e+04	-2341.20	-46.43	8.167e+05	-9844.51	1.271e+04
...								
3	73	246.67	-1121.19	44.84	-1.45	-145.14	-195.56	290.95
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-3.608e+04	-4733.69	-264.98	-4.663e+04	-7.270e+04	-1.343e+04
			-1039.47	3906.70	532.51	3.187e+06	2.116e+04	3.059e+04

Macro	Tipo	Angolo 1-Z (gradi)
4	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
4	2	220.00	-1.650e+04	5296.01	105.78	5.949e+05	2.224e+04	-6443.73
4	2	250.00	-1.643e+04	5148.62	98.40	4.600e+05	2.563e+04	-1.497e+04
4	2	253.33	-1.479e+04	4898.40	99.56	4.022e+05	2.557e+04	-1.552e+04
4	2	256.67	-1.316e+04	4456.27	99.30	3.426e+05	2.536e+04	-1.584e+04
4	2	260.00	-1.154e+04	3809.81	99.30	2.824e+05	2.493e+04	-1.585e+04
4	2	263.33	-9946.86	2986.99	98.86	2.216e+05	2.419e+04	-1.545e+04
4	2	266.67	-8361.65	2050.35	100.62	1.620e+05	2.302e+04	-1.444e+04
4	2	270.00	-6786.67	1085.63	103.78	1.046e+05	2.115e+04	-1.266e+04
4	2	273.33	-5192.31	267.13	109.70	5.124e+04	1.806e+04	-9716.95
4	2	276.67	-3335.58	-153.48	119.31	1.088e+04	1.245e+04	-5362.40
4	3	220.00	-9879.84	3086.03	52.26	4.248e+05	1.308e+04	-3943.33
4	3	250.00	-9838.27	3005.85	48.09	3.459e+05	1.478e+04	-8837.00
4	3	253.33	-8893.51	2861.59	49.35	3.026e+05	1.471e+04	-9125.71
4	3	256.67	-7956.61	2601.65	49.87	2.583e+05	1.456e+04	-9281.91
4	3	260.00	-7027.75	2217.21	50.59	2.136e+05	1.429e+04	-9259.67
4	3	263.33	-6110.99	1723.67	51.13	1.685e+05	1.384e+04	-8994.48
4	3	266.67	-5203.07	1157.92	52.96	1.240e+05	1.315e+04	-8383.69
4	3	270.00	-4304.69	573.08	55.83	8.036e+04	1.207e+04	-7329.96
4	3	273.33	-3393.31	81.30	60.39	3.925e+04	1.030e+04	-5617.20
4	3	276.67	-2266.50	-147.18	67.18	8309.02	7106.77	-3101.02
4	13	220.00	-9965.47	3272.54	254.84	3.248e+05	3.293e+04	-3947.04
4	13	250.00	-9928.75	3175.42	250.32	2.415e+05	3.484e+04	-1.351e+04
4	13	253.33	-8928.61	3016.61	242.90	2.082e+05	3.441e+04	-1.541e+04
4	13	256.67	-7936.26	2732.90	232.87	1.739e+05	3.379e+04	-1.688e+04
4	13	260.00	-6932.82	2314.51	221.99	1.424e+05	3.290e+04	-1.781e+04
4	13	263.33	-5922.10	1836.38	209.71	1.136e+05	3.162e+04	-1.805e+04
4	13	266.67	-4917.34	1282.87	198.52	8.579e+04	2.972e+04	-1.745e+04
4	13	270.00	-3926.15	707.95	187.05	5.868e+04	2.685e+04	-1.578e+04
4	13	273.33	-2973.31	177.86	178.15	3.056e+04	2.240e+04	-1.262e+04
4	13	276.67	-1927.41	-103.11	168.55	6757.25	1.489e+04	-7403.92
4	16	220.00	-1.109e+04	3352.68	-136.96	5.398e+05	-4925.69	-4404.52
4	16	250.00	-1.103e+04	3274.21	-141.49	4.538e+05	-3021.34	-5388.25
4	16	253.33	-9997.85	3122.38	-131.70	4.001e+05	-2710.12	-4126.88
4	16	256.67	-8971.02	2849.45	-120.96	3.452e+05	-2393.92	-3016.79
4	16	260.00	-7972.40	2447.18	-108.97	2.866e+05	-2072.48	-2057.17
4	16	263.33	-7006.55	1874.29	-96.02	2.243e+05	-1743.42	-1265.54
4	16	266.67	-6052.58	1225.31	-81.39	1.624e+05	-1323.16	-567.90
4	16	270.00	-5103.35	558.40	-64.38	1.021e+05	-777.44	17.31
4	16	273.33	-4088.90	41.71	-46.37	4.802e+04	-144.83	537.04
4	16	276.67	-2742.90	-177.89	-22.91	9887.34	455.19	732.18
4	18	220.00	-1.003e+04	3792.32	254.55	3.436e+05	3.321e+04	-4404.72
4	18	250.00	-9990.47	3696.11	250.03	2.604e+05	3.511e+04	-1.390e+04
4	18	253.33	-8996.32	3465.79	242.63	2.241e+05	3.463e+04	-1.578e+04
4	18	256.67	-8009.93	3110.35	232.63	1.868e+05	3.395e+04	-1.724e+04
4	18	260.00	-7013.78	2620.12	221.78	1.522e+05	3.299e+04	-1.816e+04
4	18	263.33	-6012.69	2070.57	209.53	1.199e+05	3.164e+04	-1.838e+04
4	18	266.67	-5021.05	1447.69	198.36	8.817e+04	2.970e+04	-1.771e+04
4	18	270.00	-4026.64	808.97	186.91	5.862e+04	2.683e+04	-1.594e+04
...								
4	73	276.67	-2335.15	-140.50	72.82	8322.30	7673.86	-3335.87
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-1.650e+04	-189.37	-197.48	6021.48	-1.042e+04	-2.091e+04
			-1813.88	5296.01	310.83	5.949e+05	4.068e+04	2445.88

Macro	Tipo	Angolo 1-Z (gradi)
5	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
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		cm	daN	daN	daN	daN cm	daN cm	daN cm
5	2	-30.00	-9077.76	127.16	26.51	3.771e+05	-785.96	995.56
5	2	30.00	-9359.45	231.27	26.34	3.351e+05	424.06	2259.05
5	2	80.00	-8155.34	336.34	10.10	2.071e+05	255.76	1747.01
5	2	130.00	-9426.45	682.43	15.49	4.316e+05	978.10	2516.77
5	2	160.00	-8905.00	673.59	14.97	4.422e+05	1448.16	2420.20
5	2	220.00	-8126.74	615.17	36.28	4.643e+05	2639.92	2047.45
5	2	223.07	-7510.15	1121.59	13.01	4.062e+05	1969.36	1825.01
5	2	226.15	-6777.99	647.41	13.96	3.149e+05	1638.94	1373.84
5	2	229.22	-6155.28	171.53	11.92	2.150e+05	1292.06	953.76
5	2	232.29	-5620.85	-154.70	9.28	1.097e+05	906.60	541.40
5	2	235.36	-4533.76	-169.35	7.00	2.458e+04	489.04	216.48
5	3	-30.00	-5920.05	104.62	14.74	2.440e+05	-299.74	548.74
5	3	30.00	-6101.74	180.26	15.15	2.153e+05	377.93	1278.86
5	3	80.00	-5264.89	244.44	5.52	1.330e+05	231.71	967.73
5	3	130.00	-6055.52	469.59	8.24	2.746e+05	655.13	1403.15
5	3	160.00	-5684.45	463.70	8.12	2.802e+05	912.21	1341.98
5	3	220.00	-5142.36	424.27	20.79	2.925e+05	1566.30	1151.38
5	3	223.07	-4716.71	736.65	5.95	2.572e+05	1132.79	1051.25
5	3	226.15	-4260.22	430.63	6.96	1.994e+05	932.60	793.29
5	3	229.22	-3873.74	122.97	6.13	1.361e+05	731.46	551.14
5	3	232.29	-3542.28	-90.45	4.87	6.935e+04	510.74	313.47
5	3	235.36	-2860.39	-106.09	3.76	1.553e+04	273.79	125.84
5	5	-30.00	-6357.46	67.62	122.17	2.051e+05	-2464.27	7873.48
5	5	30.00	-6547.17	144.28	122.46	1.755e+05	-1728.54	1.072e+04
5	5	80.00	-5618.62	-307.53	47.74	1.166e+05	-50.99	9988.06
5	5	130.00	-6879.04	60.43	33.98	2.859e+05	924.02	1.266e+04
5	5	160.00	-6430.44	55.90	23.80	3.090e+05	1969.97	1.187e+04
5	5	220.00	-5778.61	57.97	3.08	3.430e+05	2064.29	9543.78
5	5	223.07	-5460.17	679.44	7.89	3.343e+05	2020.20	7556.18
5	5	226.15	-4951.09	349.43	24.21	2.652e+05	2444.07	6111.68
5	5	229.22	-4576.40	18.17	29.64	1.846e+05	2380.85	4627.56
5	5	232.29	-4354.52	-159.72	32.34	9.418e+04	1973.32	3014.48
5	5	235.36	-3664.02	-120.53	32.94	2.041e+04	1181.88	1439.52
5	8	-30.00	-5970.22	138.49	-90.10	3.040e+05	1724.95	-6676.41
5	8	30.00	-6159.93	215.15	-89.81	2.745e+05	2460.68	-7949.67
5	8	80.00	-5373.77	802.96	-35.67	1.614e+05	498.36	-7880.05
5	8	130.00	-5780.47	904.16	-15.80	2.896e+05	430.86	-9610.17
5	8	160.00	-5473.15	896.47	-6.00	2.789e+05	-52.99	-8946.03
5	8	220.00	-5014.85	813.02	41.77	2.717e+05	1281.35	-7046.71
5	8	223.07	-4459.67	851.71	5.87	2.054e+05	420.67	-5291.92
5	8	226.15	-4006.82	542.74	-8.55	1.533e+05	-428.35	-4404.23
5	8	229.22	-3566.10	231.88	-15.98	1.010e+05	-797.55	-3441.55
5	8	232.29	-3088.52	-34.28	-21.56	5.141e+04	-866.22	-2340.29
5	8	235.36	-2344.45	-102.74	-24.68	1.221e+04	-587.33	-1169.18
5	13	-30.00	-6364.25	67.40	130.00	2.071e+05	-2607.73	8027.19
5	13	30.00	-6553.96	144.06	130.29	1.775e+05	-1872.00	1.093e+04
5	13	80.00	-5629.28	-255.78	49.44	1.177e+05	7.00	1.018e+04
5	13	130.00	-6866.96	76.66	34.14	2.867e+05	1059.15	1.290e+04
...								
5	73	235.36	-3004.23	-111.64	4.13	1.631e+04	297.28	135.17
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-9426.45	-461.88	-120.47	1.098e+04	-3254.28	-1.284e+04
			-2158.54	1598.48	162.88	4.643e+05	3065.83	1.620e+04

Macro	Tipo	Angolo 1-Z (gradi)
6	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
6	1	-30.00	-1.234e+04	649.85	126.69	6.550e+05	-1.837e+04	-1519.78
6	1	30.00	-1.164e+04	601.64	206.42	6.067e+05	-8380.60	-579.55
6	1	80.00	-1.030e+04	-1733.76	67.28	3.417e+05	-4066.99	1421.23
6	1	130.00	-9012.99	-1759.86	70.94	1.550e+05	-893.49	2063.00
6	1	160.00	-8186.64	-1756.85	106.37	4.811e+04	1727.49	1926.75
6	1	220.00	-7177.08	-555.43	323.84	-1.268e+05	1.257e+04	3125.97
6	2	-30.00	-1.361e+04	709.59	156.82	7.774e+05	-2.132e+04	-1981.41
6	2	30.00	-1.278e+04	653.13	234.81	7.166e+05	-9566.64	-980.07
6	2	80.00	-1.130e+04	-2104.23	79.24	4.022e+05	-4523.24	1325.45
6	2	130.00	-9856.72	-2132.13	85.33	1.779e+05	-731.25	1992.66
6	2	160.00	-8939.14	-2125.93	129.40	4.850e+04	2438.24	1777.78
6	2	220.00	-7773.56	-637.70	393.05	-1.635e+05	1.561e+04	3120.09
6	3	-30.00	-8823.36	468.50	81.63	4.395e+05	-1.259e+04	-926.54
6	3	30.00	-8351.26	435.75	143.88	4.090e+05	-5823.52	-235.40
6	3	80.00	-7402.55	-1139.03	45.47	2.311e+05	-2888.76	1143.58
6	3	130.00	-6489.81	-1158.16	47.01	1.072e+05	-772.54	1623.88
6	3	160.00	-5902.08	-1157.52	69.73	3.680e+04	955.44	1560.38
6	3	220.00	-5207.47	-384.03	212.75	-7.821e+04	8070.35	2407.68

6	5	-30.00	-9379.57	1327.49	97.27	2.001e+05	-1.248e+04	175.89
6	5	30.00	-8868.87	1292.29	159.00	1.658e+05	-5192.28	248.84
6	5	80.00	-7746.39	704.36	27.20	7.534e+04	-2036.11	1822.39
6	5	130.00	-6814.60	678.55	44.60	2.346e+04	-643.98	3169.66
6	5	160.00	-6208.53	690.35	65.58	2.213e+04	747.02	3367.95
6	5	220.00	-5320.98	908.75	193.43	-2.197e+04	7556.50	4426.24
6	20	-30.00	-8874.09	-464.32	68.94	7.903e+05	-1.402e+04	-2005.35
6	20	30.00	-8363.39	-499.52	130.67	7.560e+05	-6731.12	-577.80
6	20	80.00	-7544.87	-3387.62	56.73	4.475e+05	-4064.70	446.32
6	20	130.00	-6631.17	-3367.61	56.85	2.105e+05	-1091.30	204.55
6	20	160.00	-6028.68	-3336.01	89.52	5.069e+04	1359.38	-174.40
6	20	220.00	-5483.57	-1812.74	268.91	-1.607e+05	1.017e+04	733.89
6	22	-30.00	-8668.00	656.69	15.29	3.058e+05	-1.032e+04	-964.10
6	22	30.00	-8157.30	621.48	77.02	2.716e+05	-3037.08	-601.77
6	22	80.00	-7248.38	-597.17	17.01	1.349e+05	-3164.91	544.19
6	22	130.00	-6255.92	-644.34	39.03	7.179e+04	-1626.61	753.05
6	22	160.00	-5678.61	-711.21	69.91	3.274e+04	-64.38	806.94
6	22	220.00	-5021.81	-163.06	229.34	-6.316e+04	7508.64	2190.95
6	33	-30.00	-1.016e+04	1057.65	199.62	3.555e+05	-1.673e+04	-1154.31
6	33	30.00	-9650.53	1022.45	261.35	3.212e+05	-9445.16	-642.55
6	33	80.00	-8401.04	-285.38	76.30	1.753e+05	-2155.14	1673.54
6	33	130.00	-7263.97	-368.69	61.88	8.144e+04	677.21	2476.27
6	33	160.00	-6574.37	-414.28	69.24	3.473e+04	2589.56	2487.07
6	33	220.00	-5525.48	331.72	217.71	-6.447e+04	1.005e+04	2786.86
6	37	-30.00	-9429.91	1570.88	99.17	1.204e+05	-1.219e+04	531.39
6	37	30.00	-8919.21	1535.68	160.90	8.611e+04	-4907.63	421.47
6	37	80.00	-7757.69	1269.23	20.90	2.510e+04	-1815.04	2031.46
6	37	130.00	-6830.69	1241.61	42.66	-2568.16	-616.88	3625.06
6	37	160.00	-6223.87	1256.30	62.30	1.743e+04	621.21	3903.96
6	37	220.00	-5298.87	1290.15	182.30	-3103.98	7148.12	5009.36
...								
6	73	220.00	-5384.59	-408.46	233.30	-8.912e+04	8974.06	2405.93
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-1.361e+04	-4006.27	-5.65	-1.814e+05	-2.132e+04	-2273.30
			-4928.54	1570.88	393.05	8.811e+05	1.561e+04	5009.36

Macro	Tipo	Angolo 1-Z (gradi)
7	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
7	2	-30.00	-3577.91	56.24	68.59	-1.654e+04	954.95	1018.86
7	2	30.00	-3621.26	-102.63	-78.92	-1.259e+04	644.94	549.03
7	2	80.00	-3707.87	141.69	-13.74	-1.881e+04	-224.44	904.79
7	2	130.00	-3557.65	161.71	-2.76	-2.551e+04	-494.27	725.62
7	2	160.00	-3452.12	166.89	-1.02	-2.876e+04	-552.14	634.49
7	2	220.00	-3392.88	183.73	11.63	-3.368e+04	-217.49	639.40
7	3	-30.00	-2310.38	25.88	41.83	-1.322e+04	574.73	607.84
7	3	30.00	-2339.42	-75.70	-49.72	-1.003e+04	338.06	278.54
7	3	80.00	-2363.84	63.85	-8.15	-1.295e+04	-204.24	526.18
7	3	130.00	-2245.39	76.96	-0.84	-1.595e+04	-340.28	418.82
7	3	160.00	-2160.94	79.99	-0.13	-1.721e+04	-356.49	352.88
7	3	220.00	-2103.04	90.36	7.51	-1.879e+04	-112.15	337.07
7	7	-30.00	-3347.26	-244.29	1.43	-3.705e+04	2619.22	1648.04
7	7	30.00	-3377.28	-350.59	-95.15	-3.390e+04	2382.13	2257.63
7	7	80.00	-3119.18	-510.18	-19.04	-2.825e+04	276.93	3502.65
7	7	130.00	-2735.98	-483.20	-3.99	-1.951e+04	-469.34	3395.83
7	7	160.00	-2493.83	-474.05	-4.43	-1.502e+04	-611.84	3122.38
7	7	220.00	-2144.88	-459.68	-0.18	-5199.36	-639.77	2243.87
7	10	-30.00	-1473.00	319.72	89.23	1.221e+04	-1394.75	-265.82
7	10	30.00	-1503.03	213.41	-7.35	1.536e+04	-1631.84	-1526.72
7	10	80.00	-1845.64	689.59	2.03	2400.24	-662.70	-2312.10
7	10	130.00	-1974.12	685.98	1.98	-1.307e+04	-226.21	-2424.06
7	10	160.00	-2084.36	680.02	3.84	-2.230e+04	-124.55	-2284.89
7	10	220.00	-2329.61	683.88	15.82	-3.678e+04	387.45	-1450.49
7	11	-30.00	-3350.45	-259.99	-0.55	-3.842e+04	2617.54	1562.19
7	11	30.00	-3380.48	-366.29	-97.14	-3.526e+04	2380.45	2149.76
7	11	80.00	-3106.07	-541.19	-19.45	-2.900e+04	268.72	3442.36
7	11	130.00	-2742.03	-510.30	-4.25	-2.052e+04	-472.67	3325.62
7	11	160.00	-2464.39	-497.84	-4.40	-1.437e+04	-619.73	3052.67
7	11	220.00	-2108.99	-479.77	-0.14	-4058.67	-637.06	2195.63
7	39	-30.00	-3614.58	-322.58	-10.33	-4.401e+04	3199.28	1890.13
7	39	30.00	-3644.60	-428.88	-106.91	-4.086e+04	2962.19	2798.96
7	39	80.00	-3303.91	-678.62	-21.97	-3.264e+04	392.26	4349.69
7	39	130.00	-2845.47	-648.00	-4.99	-2.035e+04	-448.26	4249.94

7	39	160.00	-2551.82	-637.22	-5.83	-1.403e+04	-649.10	3916.15
7	39	220.00	-2120.71	-621.85	-2.47	-876.94	-786.97	2781.82
7	42	-30.00	-1203.98	402.55	101.57	1.958e+04	-1974.10	-482.72
7	42	30.00	-1234.01	296.25	4.99	2.274e+04	-2211.19	-2036.27
7	42	80.00	-1664.96	867.14	5.09	7016.20	-775.75	-3141.31
7	42	130.00	-1864.69	858.75	3.06	-1.197e+04	-246.89	-3257.77
7	42	160.00	-2035.30	850.18	5.25	-2.349e+04	-85.40	-3058.44
7	42	220.00	-2364.39	851.95	18.13	-4.145e+04	533.74	-1974.28
7	43	-30.00	-3619.48	-342.82	-12.89	-4.580e+04	3196.89	1779.09
7	43	30.00	-3649.50	-449.13	-109.48	-4.264e+04	2959.80	2659.31
7	43	80.00	-3286.75	-718.74	-22.51	-3.361e+04	381.77	4271.57
7	43	130.00	-2851.45	-683.07	-5.33	-2.162e+04	-451.99	4159.34
7	43	160.00	-2513.45	-668.01	-5.81	-1.318e+04	-658.87	3826.22
7	43	220.00	-2074.21	-647.85	-2.45	604.04	-783.35	2719.42
...								
7	73	220.00	-2219.30	102.05	7.84	-2.042e+04	-124.80	372.57
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-3707.87	-718.74	-109.48	-4.580e+04	-2211.19	-3257.77
			-1203.98	867.14	101.57	2.274e+04	3199.28	4349.69

Macro	Tipo	Angolo 1-Z (gradi)
8	Setto	0.0

M_S	Cmb	Z cm	N memb. daN	V memb. daN	V orto daN	M memb. daN cm	M orto daN cm	T daN cm
8	2	220.00	-3085.31	189.53	8.86	-3.308e+04	-331.61	723.23
8	2	271.81	-3199.97	203.84	36.43	-3.573e+04	972.51	407.11
8	2	275.90	-1172.84	85.77	38.48	-3041.70	912.04	213.58
8	3	220.00	-1879.63	111.99	5.39	-1.840e+04	-192.03	386.53
8	3	271.81	-1952.36	119.34	23.55	-1.967e+04	644.08	193.69
8	3	275.90	-740.34	53.47	24.37	-1642.39	586.61	104.53
8	10	220.00	-2385.89	344.99	37.49	-4.488e+04	1421.81	-782.31
8	10	271.81	-2488.14	366.02	56.35	-4.690e+04	2296.23	-485.03
8	10	275.90	-678.24	171.38	40.01	-2572.29	1237.57	-280.96
8	15	220.00	-1657.58	-97.57	-33.41	2822.63	-1756.35	1895.72
8	15	271.81	-1709.66	-101.24	-14.56	1922.25	-881.93	1121.54
8	15	275.90	-881.29	-53.88	10.30	-1129.95	32.62	638.58
8	17	220.00	-2142.40	304.17	42.05	-3.520e+04	1349.43	-902.90
8	17	271.81	-2234.54	320.54	60.91	-3.706e+04	2223.86	-567.76
8	17	275.90	-670.68	152.47	39.07	-1963.57	1193.48	-364.88
8	30	220.00	-2456.37	246.08	19.75	-4.137e+04	494.50	-24.71
8	30	271.81	-2555.03	264.68	38.61	-4.324e+04	1368.92	-53.68
8	30	275.90	-756.71	118.83	33.55	-2967.43	889.80	21.24
8	42	220.00	-2504.19	409.63	46.39	-5.201e+04	1891.57	-1125.74
8	42	271.81	-2613.95	434.37	65.24	-5.421e+04	2765.99	-686.51
8	42	275.90	-652.61	204.30	44.08	-2813.87	1417.60	-395.44
8	47	220.00	-1556.44	-159.92	-44.59	9350.23	-2205.42	2319.19
8	47	271.81	-1601.55	-167.02	-25.73	8606.85	-1331.00	1381.43
8	47	275.90	-908.25	-85.42	6.00	-922.00	-135.33	788.96
8	49	220.00	-2189.30	356.85	52.32	-3.955e+04	1800.57	-1285.15
8	49	271.81	-2286.02	375.59	71.18	-4.153e+04	2675.00	-795.18
8	49	275.90	-642.15	179.84	42.82	-2037.96	1361.53	-504.36
8	62	220.00	-2592.64	282.57	23.88	-4.750e+04	694.46	-153.74
8	62	271.81	-2697.78	304.19	42.73	-4.948e+04	1568.88	-132.91
8	62	275.90	-752.48	136.83	35.90	-3295.44	968.44	-7.04
8	69	220.00	-1992.87	119.74	5.72	-2.002e+04	-206.50	425.48
8	69	271.81	-2069.15	127.93	24.58	-2.146e+04	667.93	221.09
8	69	275.90	-777.47	56.34	25.57	-1802.35	612.98	118.24
8	70	220.00	-2247.10	137.15	6.45	-2.364e+04	-238.97	512.92
8	70	271.81	-2331.34	147.22	26.88	-2.548e+04	721.49	282.62
8	70	275.90	-860.81	62.78	28.26	-2161.47	672.18	149.01
8	71	220.00	-1992.87	119.74	5.72	-2.002e+04	-206.50	425.48
8	71	271.81	-2069.15	127.93	24.58	-2.146e+04	667.93	221.09
8	71	275.90	-777.47	56.34	25.57	-1802.35	612.98	118.24
8	72	220.00	-2043.72	123.22	5.87	-2.074e+04	-212.99	442.96
8	72	271.81	-2121.59	131.79	25.04	-2.226e+04	678.64	233.40
8	72	275.90	-794.14	57.62	26.10	-1874.17	624.82	124.39
8	73	220.00	-1992.87	119.74	5.72	-2.002e+04	-206.50	425.48
8	73	271.81	-2069.15	127.93	24.58	-2.146e+04	667.93	221.09
8	73	275.90	-777.47	56.34	25.57	-1802.35	612.98	118.24
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-3199.97	-167.02	-44.59	-5.421e+04	-2205.42	-1285.15
			-642.15	434.37	71.18	9350.23	2765.99	2319.19

Macro	Tipo	Angolo 1-Z (gradi)
9	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
9	2	-30.00	-3629.08	-93.92	-7.72	1.048e+04	-2797.59	-142.86
9	2	30.00	-3605.07	40.55	80.52	7559.20	-613.46	-1.46
9	2	80.00	-4002.93	-1011.44	29.25	-4.257e+04	951.03	404.24
9	2	130.00	-4112.61	-1047.31	10.53	-7.942e+04	1864.96	172.86
9	2	160.00	-4052.01	-1100.16	-3.47	-1.083e+05	1951.41	18.62
9	2	220.00	-3979.72	342.18	-23.21	-1.040e+05	931.96	-306.85
9	3	-30.00	-2529.43	-78.75	-5.09	-1369.80	-1627.05	-60.72
9	3	30.00	-2532.61	1.34	50.02	-3573.09	-279.20	17.54
9	3	80.00	-2739.95	-578.61	17.35	-3.249e+04	660.63	243.40
9	3	130.00	-2770.38	-601.83	5.18	-5.378e+04	1173.88	87.91
9	3	160.00	-2706.01	-634.99	-3.95	-7.076e+04	1181.68	6.76
9	3	220.00	-2620.15	244.36	-18.99	-6.662e+04	369.40	-91.27
9	19	-30.00	-2569.51	-57.59	8.57	1.592e+04	-1456.95	1047.27
9	19	30.00	-2567.73	27.85	66.61	1.370e+04	-32.89	1293.28
9	19	80.00	-2861.04	-851.89	22.87	-2.165e+04	1185.65	555.75
9	19	130.00	-2946.93	-861.58	0.89	-5.114e+04	1746.10	-364.29
9	19	160.00	-2907.41	-896.83	-17.84	-7.732e+04	1277.14	-591.74
9	19	220.00	-2949.88	242.16	-48.39	-7.769e+04	-536.00	-110.71
9	20	-30.00	-2234.96	-114.21	-16.49	2.224e+04	-768.30	1092.71
9	20	30.00	-2233.18	-28.77	41.55	2.003e+04	655.76	1107.85
9	20	80.00	-2593.98	-984.46	19.27	-1.690e+04	1063.07	65.69
9	20	130.00	-2754.42	-991.00	-0.95	-4.855e+04	1587.74	-734.47
9	20	160.00	-2770.05	-1027.21	-19.61	-7.611e+04	1060.56	-692.70
9	20	220.00	-2873.59	160.79	-56.07	-7.651e+04	-1084.71	29.28
9	33	-30.00	-3203.34	19.71	36.09	-1.524e+04	-3085.66	-490.32
9	33	30.00	-3201.56	105.15	94.13	-1.745e+04	-1661.60	-33.88
9	33	80.00	-3289.93	-315.25	23.77	-4.444e+04	746.95	1060.11
9	33	130.00	-3184.37	-349.55	10.68	-6.146e+04	1367.63	909.50
9	33	160.00	-3017.66	-382.59	3.82	-7.473e+04	1641.74	371.99
9	33	220.00	-2791.37	398.46	4.11	-6.943e+04	1741.45	-382.93
9	36	-30.00	-1975.78	-174.23	-46.66	1.683e+04	-409.25	346.32
9	36	30.00	-1974.00	-88.78	11.38	1.461e+04	1014.81	60.39
9	36	80.00	-2345.58	-933.45	13.29	-2.066e+04	606.84	-542.32
9	36	130.00	-2536.75	-947.60	1.03	-4.946e+04	1099.72	-713.01
9	36	160.00	-2582.86	-984.32	-11.12	-7.254e+04	868.14	-354.99
9	36	220.00	-2651.31	98.90	-41.57	-6.994e+04	-843.23	133.98
9	51	-30.00	-2569.56	-51.17	12.48	2.007e+04	-1377.46	1365.85
9	51	30.00	-2567.78	34.28	70.52	1.785e+04	46.60	1661.04
9	51	80.00	-2878.54	-915.36	23.97	-1.872e+04	1335.07	642.05
9	51	130.00	-2975.56	-920.94	-0.49	-5.013e+04	1885.48	-495.57
9	51	160.00	-2942.93	-956.17	-21.89	-7.839e+04	1283.77	-764.19
9	51	220.00	-3013.34	240.61	-56.85	-7.988e+04	-819.92	-108.22
9	52	-30.00	-2140.53	-123.85	-19.73	2.819e+04	-490.32	1426.83
9	52	30.00	-2138.75	-38.40	38.31	2.598e+04	933.74	1425.03
9	52	80.00	-2537.01	-1086.19	19.33	-1.263e+04	1181.23	11.31
9	52	130.00	-2730.88	-1087.79	-2.85	-4.684e+04	1683.67	-973.12
9	52	160.00	-2770.48	-1124.29	-24.16	-7.690e+04	1005.13	-894.26
9	52	220.00	-2919.31	135.87	-66.85	-7.851e+04	-1527.82	71.56
...								
9	73	220.00	-2721.34	248.68	-18.73	-6.968e+04	449.11	-124.47
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-4112.61	-1124.29	-66.85	-1.083e+05	-3470.10	-973.12
			-1802.37	441.37	105.94	2.819e+04	2115.83	1661.04

Macro	Tipo	Angolo 1-Z (gradi)
10	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
10	2	-30.00	-1.195e+04	205.06	-7.18	-6.136e+05	-3290.50	-420.54
10	2	30.00	-1.190e+04	115.28	83.14	-6.335e+05	-1011.60	368.64
10	2	80.00	-1.135e+04	-813.24	29.60	-6.175e+05	770.40	-297.94
10	2	130.00	-1.071e+04	-786.13	15.78	-6.069e+05	1831.36	-615.98
10	2	160.00	-1.023e+04	-775.32	9.53	-6.036e+05	2199.33	-826.27
10	2	220.00	-9629.66	-747.65	-14.59	-5.899e+05	2105.38	-1087.24
10	2	257.43	-9332.01	-1815.31	-36.05	-5.574e+05	966.00	-335.14
10	2	260.66	-5224.65	-2330.22	-44.93	-5.630e+04	192.79	-462.28
10	2	263.88	-4064.12	-2102.55	-49.83	-4090.44	-397.88	-503.43
10	2	267.11	-3329.05	-1564.08	-52.38	-8609.30	-837.74	-479.50
10	2	270.33	-2516.90	-990.00	-53.55	-7482.85	-1115.68	-396.40
10	2	273.55	-1635.23	-505.65	-50.89	-2427.09	-1150.98	-258.28

10	2	276.78	-784.92	-165.91	-37.52	381.53	-799.39	-81.97
10	3	-30.00	-7751.38	113.50	-4.91	-4.106e+05	-1803.56	-183.74
10	3	30.00	-7728.70	58.39	51.84	-4.205e+05	-395.79	363.03
10	3	80.00	-7321.60	-568.13	16.75	-4.042e+05	663.86	-112.05
10	3	130.00	-6884.50	-550.54	7.33	-3.907e+05	1217.03	-342.23
10	3	160.00	-6542.61	-543.80	3.75	-3.845e+05	1375.66	-471.19
10	3	220.00	-6127.46	-525.81	-11.00	-3.690e+05	1183.06	-620.01
10	3	257.43	-5867.81	-1179.96	-25.09	-3.462e+05	394.94	-166.28
10	3	260.66	-3308.04	-1494.34	-30.28	-3.505e+04	-57.85	-239.66
10	3	263.88	-2575.02	-1342.72	-33.12	-2141.58	-401.78	-264.88
10	3	267.11	-2107.81	-995.14	-34.61	-4707.17	-653.93	-252.89
10	3	270.33	-1594.86	-626.48	-35.13	-4036.63	-802.19	-207.03
10	3	273.55	-1040.60	-317.96	-33.11	-1114.75	-793.02	-130.24
10	3	276.78	-505.99	-104.25	-24.40	349.35	-537.95	-33.33
10	5	-30.00	-9522.21	-781.96	116.74	-5.672e+05	-1.207e+04	-77.48
10	5	30.00	-9495.35	-840.27	176.41	-5.782e+05	-1.058e+04	-1394.28
10	5	80.00	-8742.36	-2059.40	110.47	-5.071e+05	-3635.41	-3862.07
10	5	130.00	-8054.63	-2013.46	86.12	-4.577e+05	2101.87	-4491.15
10	5	160.00	-7518.36	-1984.99	69.31	-4.295e+05	4573.14	-4295.61
10	5	220.00	-6862.43	-1945.75	36.90	-3.846e+05	6750.42	-2593.19
10	5	257.43	-6154.95	-2170.58	-2.72	-3.055e+05	8185.22	638.10
10	5	260.66	-3850.22	-2438.04	-26.46	-4.648e+04	5540.79	-41.71
10	5	263.88	-3035.91	-2184.35	-32.75	-1.552e+04	3592.63	-454.81
10	5	267.11	-2416.85	-1692.60	-31.21	-1.038e+04	2096.11	-632.86
10	5	270.33	-1798.24	-1155.20	-28.94	-6711.21	973.40	-651.87
10	5	273.55	-1159.03	-663.83	-23.90	-2419.78	228.80	-455.59
10	5	276.78	-545.40	-267.16	-15.14	38.12	-84.41	-211.92
10	9	-30.00	-9543.51	-734.78	109.71	-5.569e+05	-1.130e+04	-350.37
10	9	30.00	-9516.65	-793.09	169.38	-5.680e+05	-9816.07	-1838.15
10	9	80.00	-8776.15	-1973.13	106.30	-5.009e+05	-3261.35	-4417.42
10	9	130.00	-8084.72	-1934.18	82.45	-4.548e+05	2117.09	-4946.04
10	9	160.00	-7537.84	-1911.93	65.55	-4.281e+05	4583.64	-4573.31
10	9	220.00	-6879.57	-1879.88	37.48	-3.874e+05	6402.38	-2797.00
10	9	257.43	-6203.93	-2146.57	-4.31	-3.119e+05	7484.70	445.45
10	9	260.66	-3853.21	-2418.09	-27.78	-4.591e+04	5059.73	-175.70
10	9	263.88	-3036.91	-2168.08	-33.46	-1.467e+04	3264.17	-543.78
...								
10	73	276.78	-528.42	-109.61	-25.42	336.54	-555.60	-40.15
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-1.195e+04	-2687.78	-134.16	-6.335e+05	-1.499e+04	-6324.42
			-492.81	911.91	210.20	5054.63	1.130e+04	5135.03

Macro	Tipo	Angolo 1-Z (gradi)
11	Setto	0.0

M_S	Cmb	Z cm	N memb. daN	V memb. daN	V orto daN	M memb. daN cm	M orto daN cm	T daN cm
11	2	220.00	-1.811e+04	6150.89	-119.32	6.576e+05	-2.172e+04	7698.93
11	2	250.00	-1.801e+04	5964.91	-112.57	5.043e+05	-2.556e+04	1.629e+04
11	2	253.33	-1.621e+04	5650.66	-110.44	4.402e+05	-2.557e+04	1.668e+04
11	2	256.67	-1.442e+04	5137.78	-107.01	3.748e+05	-2.539e+04	1.685e+04
11	2	260.00	-1.265e+04	4413.51	-104.69	3.086e+05	-2.498e+04	1.671e+04
11	2	263.33	-1.089e+04	3490.46	-103.50	2.423e+05	-2.426e+04	1.615e+04
11	2	266.67	-9147.96	2410.52	-101.78	1.773e+05	-2.308e+04	1.502e+04
11	2	270.00	-7422.55	1288.59	-105.02	1.142e+05	-2.122e+04	1.303e+04
11	2	273.33	-5674.42	340.22	-113.13	5.596e+04	-1.817e+04	1.001e+04
11	2	276.67	-3643.13	-155.95	-120.43	1.191e+04	-1.253e+04	5520.02
11	3	220.00	-1.078e+04	3592.99	-57.57	4.639e+05	-1.246e+04	4624.29
11	3	250.00	-1.073e+04	3489.20	-53.87	3.740e+05	-1.435e+04	9420.34
11	3	253.33	-9693.93	3306.99	-53.20	3.267e+05	-1.432e+04	9608.83
11	3	256.67	-8668.04	3004.75	-51.87	2.788e+05	-1.418e+04	9664.87
11	3	260.00	-7651.72	2573.67	-51.25	2.303e+05	-1.393e+04	9547.67
11	3	263.33	-6646.64	2020.04	-51.39	1.817e+05	-1.350e+04	9194.39
11	3	266.67	-5652.74	1368.80	-51.47	1.337e+05	-1.282e+04	8518.50
11	3	270.00	-4671.74	690.70	-54.36	8.653e+04	-1.177e+04	7371.93
11	3	273.33	-3675.71	122.10	-60.00	4.227e+04	-1.007e+04	5647.83
11	3	276.67	-2450.38	-150.36	-65.68	8966.70	-6947.01	3115.01
11	16	220.00	-1.103e+04	4351.16	-292.76	3.842e+05	-3.533e+04	6010.30
11	16	250.00	-1.098e+04	4232.32	-288.71	2.892e+05	-3.746e+04	1.618e+04
11	16	253.33	-9875.73	3966.16	-277.78	2.504e+05	-3.701e+04	1.800e+04

11	16	256.67	-8783.90	3571.57	-264.15	2.107e+05	-3.633e+04	1.937e+04
11	16	260.00	-7691.28	3038.67	-250.18	1.723e+05	-3.534e+04	2.020e+04
11	16	263.33	-6598.63	2423.99	-235.63	1.356e+05	-3.392e+04	2.023e+04
11	16	266.67	-5516.78	1707.17	-219.46	9.958e+04	-3.185e+04	1.941e+04
11	16	270.00	-4434.55	921.71	-206.84	6.575e+04	-2.879e+04	1.736e+04
11	16	273.33	-3362.30	269.50	-198.35	3.346e+04	-2.404e+04	1.376e+04
11	16	276.67	-2162.62	-88.11	-183.87	7266.51	-1.595e+04	8103.80
11	18	220.00	-1.205e+04	3906.36	159.98	5.824e+05	8021.76	4304.16
11	18	250.00	-1.198e+04	3800.46	164.02	4.847e+05	5888.03	4645.39
11	18	253.33	-1.086e+04	3599.71	155.58	4.250e+05	5537.65	3307.81
11	18	256.67	-9742.53	3272.14	146.06	3.647e+05	5187.71	2087.59
11	18	260.00	-8649.83	2809.34	134.30	3.018e+05	4814.25	1043.79
11	18	263.33	-7583.37	2169.23	119.93	2.366e+05	4393.30	251.87
11	18	266.67	-6532.69	1427.39	104.22	1.715e+05	3897.20	-432.44
11	18	270.00	-5490.57	704.15	85.98	1.078e+05	3168.14	-965.36
11	18	273.33	-4381.55	90.73	65.94	5.082e+04	2110.85	-1270.69
11	18	276.67	-2928.57	-180.82	40.13	1.049e+04	825.25	-1367.02
11	19	220.00	-1.096e+04	3801.89	-290.81	3.646e+05	-3.489e+04	5539.85
11	19	250.00	-1.091e+04	3682.19	-286.76	2.696e+05	-3.703e+04	1.562e+04
11	19	253.33	-9803.86	3491.21	-276.55	2.339e+05	-3.663e+04	1.739e+04
11	19	256.67	-8706.06	3171.97	-263.77	1.973e+05	-3.601e+04	1.875e+04
11	19	260.00	-7606.01	2714.78	-250.24	1.621e+05	-3.510e+04	1.957e+04
11	19	263.33	-6503.36	2175.88	-235.66	1.290e+05	-3.376e+04	1.962e+04
11	19	266.67	-5407.76	1532.91	-219.46	9.714e+04	-3.180e+04	1.886e+04
11	19	270.00	-4329.05	815.11	-206.82	6.587e+04	-2.880e+04	1.693e+04
...								
11	73	276.67	-2531.13	-143.39	-71.86	9010.71	-7564.57	3374.47
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-1.811e+04	-192.40	-357.29	6801.05	-4.380e+04	-3553.67
			-2023.88	6150.89	227.98	6.576e+05	1.424e+04	2.321e+04

Macro	Tipo	Angolo 1-Z (gradi)
12	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
12	2	-30.00	-5958.21	-610.62	37.88	1.506e+05	7486.37	8925.62
12	2	30.00	-5914.86	-463.11	-120.98	1.128e+05	4993.35	7618.92
12	2	80.00	-5738.18	-1224.18	-40.38	2.667e+04	2370.81	4370.13
12	2	130.00	-5343.55	-1235.17	-20.37	-3.728e+04	972.58	2447.16
12	2	160.00	-5013.19	-1236.90	-15.19	-7.826e+04	455.66	1503.03
12	2	220.00	-4582.06	-1249.56	1.66	-1.654e+05	78.16	-393.81
12	3	-30.00	-4067.60	-318.94	26.09	5.420e+04	4450.11	5587.93
12	3	30.00	-4038.57	-227.38	-75.48	3.393e+04	2968.27	4767.23
12	3	80.00	-3836.31	-519.66	-23.23	-3232.32	1414.20	2691.64
12	3	130.00	-3535.63	-526.97	-10.12	-3.084e+04	659.80	1459.82
12	3	160.00	-3284.79	-527.68	-7.09	-4.919e+04	410.53	857.51
12	3	220.00	-2965.48	-535.32	3.28	-8.909e+04	325.61	-362.08
12	10	-30.00	-5284.98	336.30	-63.27	-1.477e+05	9869.13	2404.30
12	10	30.00	-5254.93	432.88	-169.58	-1.700e+05	8287.32	1330.31
12	10	80.00	-4599.20	1372.28	-66.11	-1.409e+05	3173.19	-1293.22
12	10	130.00	-4023.79	1339.43	-48.97	-1.120e+05	1235.96	-2526.23
12	10	160.00	-3533.50	1312.83	-30.58	-9.203e+04	-1580.18	-3135.70
12	10	220.00	-2960.37	1252.39	-4.84	-8.898e+04	-2245.46	-4210.21
12	11	-30.00	-3086.77	-1043.34	116.85	2.844e+05	-368.59	9357.80
12	11	30.00	-3056.77	-946.76	10.55	2.621e+05	-1950.39	8705.79
12	11	80.00	-3338.42	-2605.19	16.06	1.453e+05	-156.93	6983.86
12	11	130.00	-3311.16	-2587.49	26.19	5.128e+04	124.17	5639.73
12	11	160.00	-3298.25	-2562.59	14.30	-1.141e+04	2373.70	4987.73
12	11	220.00	-3227.12	-2518.40	10.48	-1.067e+05	2774.88	3513.18
12	13	-30.00	-5032.73	266.45	-22.59	-1.611e+05	7802.33	2197.45
12	13	30.00	-5002.68	363.04	-128.89	-1.834e+05	6220.51	1344.03
12	13	80.00	-4331.15	1312.69	-43.87	-1.467e+05	2877.65	-1107.59
12	13	130.00	-3784.18	1273.49	-35.67	-1.107e+05	1797.71	-2459.07
12	13	160.00	-3365.40	1251.03	-25.30	-8.669e+04	-465.83	-3214.38
12	13	220.00	-2838.10	1226.20	-7.28	-7.874e+04	-1111.70	-4777.50
12	20	-30.00	-3554.21	-940.85	65.06	2.827e+05	2158.81	9664.21
12	20	30.00	-3524.21	-844.27	-41.25	2.604e+05	577.00	8745.68
12	20	80.00	-3712.37	-2416.06	-13.42	1.458e+05	42.47	6816.58
12	20	130.00	-3584.09	-2409.48	9.62	5.079e+04	-693.52	5635.07
12	20	160.00	-3491.82	-2394.04	8.22	-1.741e+04	907.16	5132.88
12	20	220.00	-3349.01	-2399.89	14.63	-1.201e+05	1335.34	4208.85
12	42	-30.00	-5603.32	528.82	-86.97	-2.101e+05	1.134e+04	1414.03
12	42	30.00	-5573.26	625.40	-193.27	-2.324e+05	9761.22	287.38
12	42	80.00	-4780.94	1946.48	-77.80	-1.820e+05	3616.27	-2473.56

12	42	130.00	-4126.13	1907.08	-59.68	-1.353e+05	1332.22	-3701.74
12	42	160.00	-3566.79	1873.26	-37.07	-1.033e+05	-2123.61	-4307.73
12	42	220.00	-2922.78	1797.74	-7.45	-8.615e+04	-2965.78	-5329.88
12	43	-30.00	-2768.43	-1235.86	140.55	3.467e+05	-1842.49	1.035e+04
12	43	30.00	-2738.44	-1139.27	34.24	3.245e+05	-3424.29	9748.71
12	43	80.00	-3156.68	-3179.40	27.74	1.864e+05	-600.01	8164.20
12	43	130.00	-3208.82	-3155.14	36.90	7.465e+04	27.91	6815.25
12	43	160.00	-3264.97	-3123.02	20.79	-146.27	2917.12	6159.76
12	43	220.00	-3264.71	-3063.74	13.10	-1.095e+05	3495.20	4632.85
...								
12	73	220.00	-3093.74	-633.00	2.82	-9.784e+04	264.71	-348.52
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-5958.21	-3179.40	-193.27	-2.324e+05	-3424.29	-5329.88
			-2738.44	1946.48	140.55	3.467e+05	1.134e+04	1.076e+04

Macro	Tipo	Angolo 1-Z (gradi)
13	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
13	1	-30.00	-7870.15	177.07	-9.23	-8.926e+04	906.09	143.32
13	1	30.00	-7870.15	177.07	-9.23	-1.003e+05	352.38	-63.28
13	1	80.00	-7895.78	-64.94	-9.23	-9.759e+04	-109.05	-92.93
13	1	130.00	-7646.75	-64.94	-9.23	-9.431e+04	-570.47	-125.68
13	1	160.00	-7447.53	-64.94	-9.23	-9.235e+04	-847.33	-160.74
13	1	220.00	-7223.40	-64.94	-9.23	-8.842e+04	-1401.04	-336.77
13	2	-30.00	-8742.29	209.33	-11.25	-9.601e+04	1213.28	148.13
13	2	30.00	-8742.29	209.33	-11.25	-1.090e+05	538.35	-39.23
13	2	80.00	-8797.96	-36.46	-11.25	-1.080e+05	-24.09	-68.92
13	2	130.00	-8548.93	-36.46	-11.25	-1.061e+05	-586.54	-102.63
13	2	160.00	-8349.71	-36.46	-11.25	-1.050e+05	-924.00	-140.82
13	2	220.00	-8125.58	-36.46	-11.25	-1.028e+05	-1598.93	-334.63
13	3	-30.00	-5595.78	119.26	-6.04	-6.512e+04	535.60	107.71
13	3	30.00	-5595.78	119.26	-6.04	-7.258e+04	173.36	-61.32
13	3	80.00	-5599.71	-64.92	-6.04	-6.961e+04	-128.51	-84.09
13	3	130.00	-5408.15	-64.92	-6.04	-6.634e+04	-430.39	-108.78
13	3	160.00	-5254.90	-64.92	-6.04	-6.439e+04	-611.51	-134.11
13	3	220.00	-5082.50	-64.92	-6.04	-6.047e+04	-973.75	-260.18
13	7	-30.00	-6304.28	-160.15	-89.60	-1.757e+05	8598.45	-1353.25
13	7	30.00	-6304.28	-160.14	-89.60	-1.837e+05	8200.21	-773.07
13	7	80.00	-6290.66	-960.63	-86.41	-1.477e+05	3531.60	-464.05
13	7	130.00	-6170.43	-948.84	-74.92	-9.892e+04	-1196.93	-277.92
13	7	160.00	-5998.86	-940.57	-65.75	-6.390e+04	-3210.62	-184.66
13	7	220.00	-5690.54	-932.81	-54.70	-1.789e+04	-5841.62	-1360.20
13	11	-30.00	-6294.44	-185.62	-92.01	-1.849e+05	8918.57	-1587.66
13	11	30.00	-6294.44	-185.62	-92.01	-1.929e+05	8520.33	-1085.05
13	11	80.00	-6274.14	-1039.18	-87.96	-1.538e+05	3695.25	-837.34
13	11	130.00	-6158.96	-1024.08	-75.98	-1.013e+05	-1157.80	-645.65
13	11	160.00	-5988.55	-1013.05	-66.52	-6.355e+04	-3187.17	-536.18
13	11	220.00	-5672.56	-1002.07	-55.36	-1.455e+04	-5799.98	-1642.44
13	13	-30.00	-5438.53	323.96	71.92	4627.61	-7251.85	1857.98
13	13	30.00	-5438.53	323.96	71.92	-3417.49	-7650.09	1017.00
13	13	80.00	-5449.81	544.07	68.35	-2.312e+04	-3873.33	637.57
13	13	130.00	-5209.10	537.54	58.37	-5.151e+04	-170.79	411.38
13	13	160.00	-5072.41	533.65	50.77	-6.982e+04	1443.58	463.44
13	13	220.00	-4904.16	530.61	42.11	-9.214e+04	3137.31	1128.71
13	14	-30.00	-5405.67	407.38	73.44	3.762e+04	-7389.85	1578.16
13	14	30.00	-5405.67	407.38	73.44	2.957e+04	-7788.09	652.67
13	14	80.00	-5442.01	815.67	71.19	-286.02	-3902.98	292.94
13	14	130.00	-5185.47	804.50	61.04	-4.153e+04	-129.78	80.00
13	14	160.00	-5046.33	796.73	53.15	-7.234e+04	1704.03	148.10
13	14	220.00	-4881.51	789.50	43.56	-1.043e+05	3644.10	872.67
13	39	-30.00	-6431.71	-242.51	-113.52	-2.068e+05	1.091e+04	-1778.85
13	39	30.00	-6431.71	-242.51	-113.52	-2.149e+05	1.051e+04	-986.16
13	39	80.00	-6410.67	-1221.35	-109.01	-1.691e+05	4556.84	-580.14
13	39	130.00	-6304.49	-1206.44	-94.59	-1.073e+05	-1165.99	-335.18
13	39	160.00	-6124.06	-1195.75	-82.64	-6.254e+04	-3911.74	-206.02
13	39	220.00	-5790.35	-1185.44	-68.00	-4864.70	-7233.11	-1661.61
...								
13	73	220.00	-5350.39	-56.46	-6.64	-6.473e+04	-1032.52	-259.55
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-8797.96	-1323.31	-116.63	-2.268e+05	-1.011e+04	-2080.83
			-4758.00	1067.13	96.53	6.770e+04	1.132e+04	2366.39

Macro	Tipo	Angolo 1-Z (gradi)
14	Setto	0.0

M_S	Cmb	Z cm	N memb. daN	V memb. daN	V orto daN	M memb. daN cm	M orto daN cm	T daN cm
14	2	-30.00	-1.981e+04	-226.13	332.44	6.718e+04	-2.946e+04	66.75
14	2	30.00	-1.863e+04	-230.06	217.64	5.357e+04	-1.295e+04	125.75
14	2	80.00	-1.702e+04	-354.13	137.30	2.937e+04	-5459.19	133.35
14	2	130.00	-1.495e+04	-353.75	135.86	1.166e+04	1113.84	127.69
14	2	160.00	-1.352e+04	-353.38	178.94	1056.18	5794.66	114.09
14	2	220.00	-1.166e+04	-277.61	476.55	-2.100e+04	2.251e+04	105.82
14	3	-30.00	-1.295e+04	-85.29	185.37	2.641e+04	-1.736e+04	164.70
14	3	30.00	-1.227e+04	-86.64	131.09	2.128e+04	-7865.89	233.84
14	3	80.00	-1.119e+04	-137.98	78.66	1.162e+04	-3521.88	222.06
14	3	130.00	-9837.11	-137.79	75.43	4721.66	177.32	217.65
14	3	160.00	-8888.02	-137.65	99.08	589.74	2771.32	212.63
14	3	220.00	-7684.00	-107.38	264.44	-8046.24	1.201e+04	221.54
14	5	-30.00	-1.378e+04	1869.21	241.24	-5.663e+05	-2.017e+04	3859.01
14	5	30.00	-1.305e+04	1867.47	179.16	-5.726e+05	-9939.37	1881.33
14	5	80.00	-1.186e+04	3380.23	101.91	-3.427e+05	-3594.80	1852.52
14	5	130.00	-1.043e+04	3355.09	89.63	-1.957e+05	980.39	1953.43
14	5	160.00	-9429.42	3361.57	111.41	-6.216e+04	3949.14	2088.51
14	5	220.00	-8094.05	2511.67	280.59	1.207e+05	1.393e+04	4437.60
14	15	-30.00	-1.376e+04	-2296.17	238.21	7.394e+05	-2.000e+04	-2894.23
14	15	30.00	-1.303e+04	-2297.91	176.13	7.331e+05	-9770.60	-1054.50
14	15	80.00	-1.185e+04	-4095.46	102.30	4.402e+05	-3510.94	-1003.95
14	15	130.00	-1.042e+04	-4050.17	89.64	2.248e+05	949.31	-1076.33
14	15	160.00	-9416.92	-4003.55	106.77	6.332e+04	3903.25	-1078.04
14	15	220.00	-8095.22	-2968.21	282.56	-1.573e+05	1.380e+04	-3372.08
14	22	-30.00	-1.248e+04	739.93	75.00	-3.157e+05	-1.358e+04	595.28
14	22	30.00	-1.175e+04	738.19	12.91	-3.220e+05	-3350.16	-145.55
14	22	80.00	-1.086e+04	1382.62	27.17	-2.031e+05	-4255.31	-137.86
14	22	130.00	-9535.87	1366.74	56.75	-8.138e+04	-1762.50	-190.68
14	22	160.00	-8606.13	1295.53	105.15	-1.881e+04	604.63	-28.66
14	22	220.00	-7594.18	927.55	308.07	5.257e+04	1.112e+04	529.50
14	25	-30.00	-1.447e+04	298.43	328.93	-1.163e+04	-2.362e+04	1708.08
14	25	30.00	-1.374e+04	296.70	266.84	-1.798e+04	-1.340e+04	1431.08
14	25	80.00	-1.239e+04	522.45	142.41	-3486.00	-3124.40	1384.11
14	25	130.00	-1.091e+04	517.64	107.44	-3.337e+04	2438.18	1480.11
14	25	160.00	-9866.10	577.15	112.09	-1.755e+04	5725.27	1346.60
14	25	220.00	-8364.03	452.95	267.07	1.104e+04	1.538e+04	2192.20
14	37	-30.00	-1.387e+04	2441.92	252.38	-7.396e+05	-2.063e+04	4932.47
14	37	30.00	-1.314e+04	2440.19	190.29	-7.460e+05	-1.040e+04	2373.94
14	37	80.00	-1.192e+04	4408.67	106.90	-4.461e+05	-3588.92	2338.90
14	37	130.00	-1.049e+04	4376.12	91.75	-2.537e+05	1149.22	2470.94
14	37	160.00	-9479.50	4384.37	112.13	-8.015e+04	4171.66	2645.77
14	37	220.00	-8125.72	3277.81	278.68	1.577e+05	1.413e+04	5661.12
14	47	-30.00	-1.384e+04	-2931.60	248.55	9.441e+05	-2.041e+04	-3767.24
14	47	30.00	-1.311e+04	-2933.33	186.46	9.378e+05	-1.018e+04	-1423.10
14	47	80.00	-1.191e+04	-5233.43	107.17	5.636e+05	-3495.52	-1356.04
14	47	130.00	-1.047e+04	-5174.96	91.90	2.884e+05	1110.14	-1449.62
14	47	160.00	-9463.98	-5114.79	106.67	8.143e+04	4107.81	-1450.38
14	47	220.00	-8127.27	-3790.27	281.55	-1.997e+05	1.397e+04	-4397.79
...								
14	73	220.00	-7979.28	-131.73	287.86	-9905.87	1.323e+04	189.40
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-1.981e+04	-5233.43	-22.54	-7.460e+05	-2.946e+04	-4397.79
			-7487.93	4408.67	476.55	9.441e+05	2.251e+04	5661.12

Macro	Tipo	Angolo 1-Z (gradi)
15	Setto	0.0

M_S	Cmb	Z cm	N memb. daN	V memb. daN	V orto daN	M memb. daN cm	M orto daN cm	T daN cm
15	2	220.00	-7968.78	-313.21	-11.23	-1.053e+05	-1603.81	-331.04
15	2	252.93	-7967.21	-164.12	-11.30	-9.510e+04	-1966.92	-694.39
15	2	256.00	-4601.82	-597.78	-6.89	4.851e+04	-1312.76	-413.84
15	2	259.07	-3354.67	-575.84	-3.07	3.289e+04	-791.72	-214.37
15	2	262.13	-2231.39	-306.59	-0.29	6793.84	-353.33	-72.58
15	3	220.00	-4953.91	-209.58	-6.02	-6.175e+04	-976.88	-258.65
15	3	252.93	-4952.92	-117.54	-6.09	-5.494e+04	-1171.18	-491.82
15	3	256.00	-2884.97	-382.93	-3.61	3.200e+04	-769.97	-306.73
15	3	259.07	-2116.12	-366.45	-1.53	2.129e+04	-458.04	-168.06
15	3	262.13	-1416.27	-196.61	-0.10	4398.52	-200.91	-63.49
15	10	220.00	-4943.88	-3.55	23.63	-1.547e+05	5632.28	1398.59
15	10	252.93	-4977.24	89.66	23.56	-1.475e+05	5418.48	1639.63

15	10	256.00	-2345.89	-232.09	16.10	-5477.34	3758.37	1003.82
15	10	259.07	-1453.62	-278.91	10.26	5441.40	2417.83	534.72
15	10	262.13	-831.87	-173.85	7.40	1662.84	1196.54	208.32
15	11	220.00	-5503.38	-429.99	-36.87	2.241e+04	-7703.86	-1914.05
15	11	252.93	-5467.94	-328.74	-36.94	2.927e+04	-7917.66	-2642.69
15	11	256.00	-3724.47	-569.04	-24.09	7.192e+04	-5408.34	-1622.61
15	11	259.07	-2991.67	-489.09	-13.71	3.897e+04	-3403.18	-869.39
15	11	262.13	-2138.37	-237.36	-7.66	7513.82	-1630.88	-331.78
15	19	220.00	-5515.58	-424.09	-47.15	1.959e+04	-7888.90	-1976.52
15	19	252.93	-5481.24	-322.25	-47.22	2.643e+04	-8102.71	-2720.72
15	19	256.00	-3714.90	-564.30	-31.93	7.102e+04	-5536.89	-1666.79
15	19	259.07	-2977.70	-486.59	-19.02	3.862e+04	-3489.95	-889.11
15	19	262.13	-2125.70	-236.59	-10.53	7459.01	-1677.44	-336.59
15	20	220.00	-5551.53	-346.57	-46.40	-1.681e+04	-7275.96	-1718.25
15	20	252.93	-5531.40	-239.70	-46.47	-1.020e+04	-7489.75	-2491.28
15	20	256.00	-3496.32	-502.54	-29.22	5.978e+04	-5139.93	-1509.55
15	20	259.07	-2737.23	-450.92	-17.03	3.437e+04	-3251.04	-790.32
15	20	262.13	-1937.30	-225.91	-8.99	6603.81	-1565.19	-289.44
15	42	220.00	-4854.93	58.15	30.73	-1.802e+05	7563.32	1864.95
15	42	252.93	-4898.21	150.16	30.66	-1.729e+05	7349.52	2251.18
15	42	256.00	-2140.29	-183.43	20.36	-1.646e+04	5085.00	1377.66
15	42	259.07	-1229.01	-248.29	12.51	673.37	3259.65	733.63
15	42	262.13	-643.14	-164.62	8.85	813.24	1605.07	284.25
15	43	220.00	-5592.33	-491.70	-43.97	4.785e+04	-9634.90	-2380.42
15	43	252.93	-5546.96	-389.23	-44.03	5.466e+04	-9848.70	-3254.23
15	43	256.00	-3930.07	-617.70	-28.35	8.290e+04	-6734.97	-1996.45
15	43	259.07	-3216.28	-519.71	-15.96	4.374e+04	-4245.00	-1068.30
15	43	262.13	-2327.10	-246.59	-9.10	8363.43	-2039.40	-407.71
15	51	220.00	-5607.79	-484.11	-58.16	4.421e+04	-9874.97	-2466.01
15	51	252.93	-5563.84	-380.89	-58.22	5.099e+04	-1.009e+04	-3358.19
15	51	256.00	-3917.44	-611.62	-39.35	8.176e+04	-6901.99	-2055.86
15	51	259.07	-3198.16	-516.47	-23.51	4.329e+04	-4357.93	-1095.32
15	51	262.13	-2310.79	-245.60	-13.22	8292.57	-2100.09	-414.68
15	52	220.00	-5655.13	-384.14	-57.19	-2640.28	-9084.21	-2132.83
15	52	252.93	-5629.48	-274.44	-57.26	3836.61	-9298.01	-3062.21
15	52	256.00	-3636.82	-532.00	-35.85	6.730e+04	-6389.89	-1853.01
...								
15	73	262.13	-1485.12	-205.61	-0.13	4588.33	-217.17	-61.73
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-7968.78	-617.70	-58.22	-1.802e+05	-1.009e+04	-3358.19
			-643.14	150.16	30.73	8.290e+04	7563.32	2251.18

Macro	Tipo	Angolo 1-Z (gradi)
16	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
16	2	-30.00	-4053.34	835.95	-21.18	-8.125e+04	7821.85	-6655.72
16	2	30.00	-4106.55	745.63	-110.96	-4.025e+04	3857.60	-4824.66
16	2	80.00	-4009.46	1308.52	-38.47	2.338e+04	1208.54	-1711.52
16	2	130.00	-3881.40	1322.34	-11.35	7.001e+04	64.04	139.02
16	2	160.00	-3758.63	1328.58	-0.55	9.665e+04	-64.26	1011.49
16	2	220.00	-3677.32	1352.70	27.12	1.557e+05	687.83	2613.10
16	3	-30.00	-2850.89	459.84	-13.81	-2.395e+04	4811.61	-4205.53
16	3	30.00	-2873.57	403.09	-68.92	-825.15	2329.80	-3087.95
16	3	80.00	-2724.46	595.14	-23.07	2.753e+04	707.49	-1118.56
16	3	130.00	-2578.16	604.56	-5.48	4.810e+04	55.44	70.70
16	3	160.00	-2453.34	608.13	1.26	5.959e+04	23.21	640.36
16	3	220.00	-2343.44	622.89	19.24	8.541e+04	615.86	1721.86
16	5	-30.00	-1993.33	871.26	41.07	-1.948e+05	2497.33	-6075.56
16	5	30.00	-2020.19	811.59	-17.24	-1.697e+05	-114.67	-5168.13
16	5	80.00	-2257.75	2314.44	-0.63	-8.502e+04	345.63	-3904.70
16	5	130.00	-2342.58	2299.20	6.99	-5865.46	634.58	-2725.10
16	5	160.00	-2423.42	2283.28	7.25	4.846e+04	1108.15	-1951.42
16	5	220.00	-2523.36	2276.86	16.95	1.211e+05	1595.01	-270.28
16	8	-30.00	-3830.97	132.47	-69.82	1.292e+05	7678.77	-2754.91
16	8	30.00	-3857.84	72.80	-128.13	1.542e+05	5066.77	-1293.71
16	8	80.00	-3356.19	-935.42	-48.50	1.357e+05	1171.27	1576.75
16	8	130.00	-3000.69	-900.80	-19.44	1.047e+05	-526.53	2883.13
16	8	160.00	-2684.15	-877.16	-5.50	7.749e+04	-1095.06	3295.31
16	8	220.00	-2386.13	-839.49	22.27	6.551e+04	-403.09	3846.21
16	14	-30.00	-2352.24	814.80	3.18	-1.896e+05	3961.24	-6527.56
16	14	30.00	-2379.10	755.13	-55.13	-1.646e+05	1349.23	-5423.50
16	14	80.00	-2546.15	2169.56	-16.15	-8.222e+04	268.70	-3852.18
16	14	130.00	-2568.92	2164.92	0.40	-4372.48	-216.99	-2801.26

16	14	160.00	-2612.45	2155.66	6.81	5.046e+04	193.21	-2331.62
16	14	220.00	-2688.45	2153.73	23.39	1.254e+05	935.52	-1107.45
16	37	-30.00	-1735.13	962.62	56.42	-2.413e+05	1764.82	-6545.36
16	37	30.00	-1761.98	902.95	-1.89	-2.163e+05	-847.18	-5718.89
16	37	80.00	-2102.24	2778.34	6.11	-1.168e+05	272.19	-4693.37
16	37	130.00	-2249.15	2757.98	10.78	-2.179e+04	767.96	-3537.68
16	37	160.00	-2385.95	2736.89	8.78	4.427e+04	1387.43	-2711.60
16	37	220.00	-2544.12	2724.54	16.34	1.291e+05	1875.90	-865.57
16	40	-30.00	-4089.17	41.11	-85.18	1.757e+05	8411.28	-2285.11
16	40	30.00	-4116.04	-18.56	-143.49	2.008e+05	5799.28	-742.95
16	40	80.00	-3511.70	-1399.33	-55.24	1.675e+05	1244.71	2365.43
16	40	130.00	-3094.13	-1359.58	-23.24	1.206e+05	-659.91	3695.70
16	40	160.00	-2721.62	-1330.78	-7.04	8.169e+04	-1374.34	4055.49
16	40	220.00	-2365.37	-1287.17	22.89	5.751e+04	-683.97	4441.50
16	46	-30.00	-2195.05	890.32	7.92	-2.348e+05	3649.97	-7133.85
16	46	30.00	-2221.91	830.65	-50.39	-2.098e+05	1037.97	-6059.41
16	46	80.00	-2470.59	2591.62	-13.87	-1.133e+05	177.39	-4630.83
16	46	130.00	-2536.95	2584.49	2.28	-1.997e+04	-278.84	-3636.39
16	46	160.00	-2625.70	2571.88	8.31	4.676e+04	222.50	-3201.88
16	46	220.00	-2752.99	2565.20	24.11	1.346e+05	1028.69	-1942.11
...								
16	73	220.00	-2454.74	718.68	19.61	9.328e+04	595.96	1787.97
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-4116.04	-1399.33	-143.49	-2.413e+05	-1374.34	-7133.85
			-1735.13	2778.34	56.42	2.008e+05	8411.28	4441.50

Macro	Tipo	Angolo 1-Z (gradi)
17	Setto	0.0

M_S	Cmb	Z cm	N memb. daN	V memb. daN	V orto daN	M memb. daN cm	M orto daN cm	T daN cm
17	2	-30.00	-2361.10	-109.55	-18.90	87.76	399.24	1288.83
17	2	30.00	-1834.80	-188.34	21.32	7928.24	847.43	1414.34
17	2	80.00	-2209.12	381.23	-29.94	1.192e+04	463.00	3691.05
17	3	-30.00	-1535.16	-63.98	-19.23	608.72	447.08	772.02
17	3	30.00	-1211.37	-122.71	15.98	5154.44	568.58	789.59
17	3	80.00	-1451.89	248.15	-18.88	7589.18	339.96	2150.47
17	17	-30.00	-1794.27	-26.61	-109.22	2315.21	3215.13	4502.52
17	17	30.00	-1425.63	-85.77	-74.98	6956.65	1421.98	2759.21
17	17	80.00	-1815.41	341.81	-62.39	8723.56	357.40	1.140e+04
17	22	-30.00	-1386.13	71.60	-27.76	1009.35	724.45	2953.01
17	22	30.00	-1043.54	12.44	6.48	5819.03	266.76	2080.44
17	22	80.00	-1309.99	509.45	-38.81	8602.93	500.48	5092.78
17	24	-30.00	-1303.01	38.64	26.87	-101.73	-861.03	684.10
17	24	30.00	-971.59	-20.52	61.11	4870.63	-171.38	919.44
17	24	80.00	-1153.53	439.38	-12.25	8125.41	508.56	-21.04
17	25	-30.00	-1896.52	-174.65	-63.09	1048.44	1695.14	1004.64
17	25	30.00	-1541.86	-233.81	-28.86	5857.39	1348.84	824.53
17	25	80.00	-1859.67	77.13	-27.75	7800.69	198.72	4725.66
17	49	-30.00	-1850.20	-16.21	-135.51	2837.89	4020.77	5561.84
17	49	30.00	-1474.01	-75.37	-101.27	7406.64	1688.96	3315.67
17	49	80.00	-1900.08	362.64	-74.71	9018.33	360.48	1.403e+04
17	54	-30.00	-1324.81	111.37	-30.55	1161.27	812.15	3568.49
17	54	30.00	-982.21	52.21	3.69	5948.26	180.63	2435.44
17	54	80.00	-1252.83	580.86	-44.31	8783.21	545.18	5899.00
17	56	-30.00	-1217.82	70.22	39.84	-267.59	-1229.09	646.47
17	56	30.00	-889.55	11.06	74.08	4730.21	-398.44	934.24
17	56	80.00	-1053.25	492.65	-10.05	8129.08	555.96	-696.02
17	57	-30.00	-1981.83	-205.78	-76.04	1207.72	2064.50	1055.07
17	57	30.00	-1623.62	-264.95	-41.80	5993.67	1577.09	817.80
17	57	80.00	-1958.78	23.72	-30.05	7803.11	156.94	5426.14
17	69	-30.00	-1599.63	-68.63	-18.16	484.58	414.98	822.34
17	69	30.00	-1257.25	-127.79	16.08	5371.02	587.68	858.03
17	69	80.00	-1508.64	258.50	-19.83	7951.31	343.68	2308.46
17	70	-30.00	-1744.37	-79.08	-15.74	205.87	342.90	935.32
17	70	30.00	-1360.25	-139.21	16.30	5857.25	630.57	1011.67
17	70	80.00	-1636.06	281.72	-21.97	8764.32	352.01	2663.17
17	71	-30.00	-1599.63	-68.63	-18.16	484.58	414.98	822.34
17	71	30.00	-1257.25	-127.79	16.08	5371.02	587.68	858.03
17	71	80.00	-1508.64	258.50	-19.83	7951.31	343.68	2308.46
17	72	-30.00	-1628.58	-70.72	-17.67	428.84	400.56	844.93
17	72	30.00	-1277.85	-130.08	16.12	5468.26	596.26	888.75
17	72	80.00	-1534.13	263.14	-20.26	8113.91	345.34	2379.40
17	73	-30.00	-1599.63	-68.63	-18.16	484.58	414.98	822.34
17	73	30.00	-1257.25	-127.79	16.08	5371.02	587.68	858.03

17	73	80.00	-1508.64	258.50	-19.83	7951.31	343.68	2308.46
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-2361.10	-264.95	-135.51	-267.59	-1229.09	-696.02
			-889.55	580.86	74.08	1.192e+04	4020.77	1.403e+04

Macro	Tipo	Angolo 1-Z (gradi)
18	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
18	1	220.00	-3167.09	-283.98	25.27	1.484e+05	677.05	2388.47
18	1	280.00	-3218.97	-252.78	64.11	1.265e+05	3358.61	3494.57
18	2	220.00	-3592.46	-253.07	26.57	1.793e+05	604.90	2614.97
18	2	280.00	-3656.60	-219.58	68.98	1.580e+05	3471.36	3707.42
18	3	220.00	-2212.75	-234.68	18.76	9.785e+04	558.71	1718.29
18	3	280.00	-2246.21	-211.89	46.76	8.076e+04	2524.31	2576.31
18	14	220.00	-2935.90	271.42	34.28	1.916e+05	1229.87	-1010.44
18	14	280.00	-2973.00	294.90	63.34	1.747e+05	3250.38	-309.94
18	15	220.00	-1742.22	-722.43	4.01	2.251e+04	-155.30	4581.53
18	15	280.00	-1779.33	-698.95	33.07	5582.15	1865.21	5588.97
18	16	220.00	-1882.60	-822.96	17.61	3.112e+04	-197.91	3795.13
18	16	280.00	-1919.70	-799.49	46.67	1.419e+04	1822.60	4954.79
18	46	220.00	-3108.38	411.56	38.33	2.156e+05	1418.41	-1815.60
18	46	280.00	-3145.48	435.04	67.40	1.986e+05	3438.92	-1162.39
18	47	220.00	-1569.73	-862.57	-0.05	-1471.74	-343.84	5386.69
18	47	280.00	-1606.84	-839.09	29.02	-1.840e+04	1676.67	6441.42
18	48	220.00	-1748.89	-992.06	17.40	9488.75	-399.79	4377.63
18	48	280.00	-1786.00	-968.58	46.46	-7443.08	1620.72	5628.47
18	69	220.00	-2339.06	-225.51	19.14	1.071e+05	537.29	1785.55
18	69	280.00	-2376.16	-202.03	48.21	9.012e+04	2557.79	2639.51
18	70	220.00	-2622.64	-204.90	20.01	1.277e+05	489.19	1936.55
18	70	280.00	-2667.92	-179.90	51.45	1.111e+05	2632.96	2781.41
18	71	220.00	-2339.06	-225.51	19.14	1.071e+05	537.29	1785.55
18	71	280.00	-2376.16	-202.03	48.21	9.012e+04	2557.79	2639.51
18	72	220.00	-2395.77	-221.38	19.32	1.112e+05	527.67	1815.75
18	72	280.00	-2434.51	-197.60	48.86	9.432e+04	2572.83	2667.89
18	73	220.00	-2339.06	-225.51	19.14	1.071e+05	537.29	1785.55
18	73	280.00	-2376.16	-202.03	48.21	9.012e+04	2557.79	2639.51

M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-3656.60	-992.06	-0.05	-1.840e+04	-399.79	-1815.60
			-1569.73	435.04	68.98	2.156e+05	3471.36	6441.42

Macro	Tipo	Angolo 1-Z (gradi)
19	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
19	1	220.00	-3952.89	256.17	3.27	-1.650e+05	292.57	-344.18
19	1	280.00	-3834.26	225.57	13.56	-1.673e+05	797.60	-2372.20
19	2	220.00	-4451.80	210.02	2.12	-2.017e+05	94.41	-293.54
19	2	280.00	-4319.66	176.60	12.95	-2.087e+05	546.76	-2477.13
19	3	220.00	-2778.57	221.29	3.12	-1.077e+05	329.16	-291.36
19	3	280.00	-2694.43	199.25	10.75	-1.069e+05	745.32	-1769.64
19	17	220.00	-2238.36	1036.46	-10.60	-2.274e+04	-1070.54	-4812.18
19	17	280.00	-2150.18	1013.58	-2.82	-2.338e+04	-670.03	-6295.18
19	18	220.00	-2357.28	1175.12	15.31	-3.950e+04	-1570.24	-4203.45
19	18	280.00	-2269.11	1152.24	23.10	-4.014e+04	-1169.72	-5745.23
19	20	220.00	-3615.08	-621.28	16.17	-2.144e+05	1611.18	4259.54
19	20	280.00	-3526.94	-644.17	23.95	-2.151e+05	2011.69	2693.58
19	49	220.00	-2040.83	1275.56	-13.84	4996.03	-1445.32	-6120.87
19	49	280.00	-1952.65	1252.68	-6.05	4350.66	-1044.81	-7591.71
19	50	220.00	-2194.62	1454.24	19.37	-1.621e+04	-2088.93	-5343.47
19	50	280.00	-2106.44	1431.36	27.16	-1.686e+04	-1688.42	-6889.07
19	52	220.00	-3812.62	-860.38	19.40	-2.422e+05	1985.95	5568.22
19	52	280.00	-3724.47	-883.26	27.19	-2.428e+05	2386.47	3990.11
19	69	220.00	-2926.72	207.59	2.78	-1.186e+05	270.32	-276.32
19	69	280.00	-2838.56	184.71	10.57	-1.192e+05	670.83	-1800.80
19	70	220.00	-3259.33	176.83	2.01	-1.430e+05	138.21	-242.56
19	70	280.00	-3162.16	152.05	10.17	-1.468e+05	503.61	-1870.75
19	71	220.00	-2926.72	207.59	2.78	-1.186e+05	270.32	-276.32
19	71	280.00	-2838.56	184.71	10.57	-1.192e+05	670.83	-1800.80
19	72	220.00	-2993.24	201.44	2.63	-1.235e+05	243.90	-269.57
19	72	280.00	-2903.28	178.18	10.49	-1.247e+05	637.39	-1814.79
19	73	220.00	-2926.72	207.59	2.78	-1.186e+05	270.32	-276.32
19	73	280.00	-2838.56	184.71	10.57	-1.192e+05	670.83	-1800.80

M_S			N memb.	V memb.	V orto	M memb.	M orto	T
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-4451.80	-883.26	-13.84	-2.428e+05	-2088.93	-7591.71
-1952.65	1454.24	27.19	4996.03	2386.47	5568.22

Macro	Tipo	Angolo 1-Z (gradi)
20	Setto	0.0

M_S	Cmb	Z cm	N memb. daN	V memb. daN	V orto daN	M memb. daN cm	M orto daN cm	T daN cm
20	2	-30.00	-9912.30	-687.65	45.35	2.433e+05	643.11	-745.58
20	2	30.00	-9936.30	-599.40	-89.12	2.790e+05	-670.27	647.10
20	2	80.00	-9582.78	-498.40	-65.06	3.476e+05	-3315.16	696.22
20	2	130.00	-8934.42	-517.12	-29.19	4.107e+05	-5666.68	-992.56
20	2	160.00	-8564.08	-531.12	23.66	4.352e+05	-5717.12	-3055.81
20	2	220.00	-8474.33	-550.86	161.47	4.303e+05	-590.34	-4888.05
20	2	223.18	-7768.78	117.69	11.31	3.213e+05	-1853.89	-3049.44
20	2	226.37	-6895.96	-5.86	-4.92	2.387e+05	-1971.63	-2102.81
20	2	229.55	-5975.22	-195.84	-6.47	1.621e+05	-1556.59	-1416.72
20	2	232.73	-5089.32	-303.71	-5.37	8.315e+04	-1022.00	-812.08
20	2	235.91	-3813.71	-179.31	-4.73	1.921e+04	-500.79	-345.79
20	3	-30.00	-6339.41	-384.93	24.47	1.656e+05	-154.09	-156.46
20	3	30.00	-6336.22	-329.82	-55.62	1.879e+05	-1088.81	642.09
20	3	80.00	-6066.21	-258.06	-37.43	2.271e+05	-2630.00	462.46
20	3	130.00	-5621.41	-270.22	-14.20	2.615e+05	-3909.93	-686.24
20	3	160.00	-5354.29	-279.35	18.96	2.739e+05	-3818.09	-1997.09
20	3	220.00	-5259.86	-294.40	107.81	2.660e+05	-304.35	-3147.20
20	3	223.18	-4781.57	112.69	10.17	1.993e+05	-1135.13	-1976.47
20	3	226.37	-4249.49	29.74	-1.02	1.477e+05	-1224.99	-1367.06
20	3	229.55	-3685.04	-98.33	-2.68	1.001e+05	-967.41	-921.28
20	3	232.73	-3139.52	-176.55	-2.49	5.126e+04	-631.04	-531.99
20	3	235.91	-2351.44	-108.69	-2.48	1.182e+04	-304.66	-228.57
20	16	-30.00	-7182.60	-150.36	-34.92	1.415e+05	4399.79	-9563.10
20	16	30.00	-7184.38	-92.32	-120.37	1.650e+05	3447.73	-1.022e+04
20	16	80.00	-6888.67	-120.21	-93.48	2.171e+05	-1223.18	-1.118e+04
20	16	130.00	-6376.75	-260.51	-52.01	2.751e+05	-4653.59	-1.207e+04
20	16	160.00	-6032.02	-285.31	7.96	3.008e+05	-5698.90	-1.314e+04
20	16	220.00	-5889.90	-292.48	144.52	3.014e+05	-1135.92	-1.255e+04
20	16	223.18	-5372.13	182.68	21.47	2.464e+05	-1912.45	-9440.62
20	16	226.37	-4804.15	44.34	-13.42	1.850e+05	-2737.96	-7460.58
20	16	229.55	-4215.04	-137.20	-24.63	1.262e+05	-2791.34	-5492.88
20	16	232.73	-3671.39	-215.74	-30.03	6.465e+04	-2355.69	-3566.39
20	16	235.91	-2824.42	-119.42	-32.92	1.456e+04	-1375.82	-1704.04
20	20	-30.00	-7248.41	-69.39	-33.79	1.498e+05	4678.79	-9394.21
20	20	30.00	-7250.19	-11.35	-119.24	1.732e+05	3726.74	-9751.36
20	20	80.00	-6923.06	8.43	-90.86	2.209e+05	-1074.48	-1.047e+04
20	20	130.00	-6382.22	-138.70	-49.46	2.753e+05	-4701.01	-1.145e+04
20	20	160.00	-6024.17	-169.52	11.59	2.997e+05	-5740.50	-1.264e+04
20	20	220.00	-5869.54	-185.83	145.29	2.978e+05	-1224.27	-1.221e+04
20	20	223.18	-5324.60	234.73	20.56	2.404e+05	-2011.38	-9196.14
20	20	226.37	-4757.48	81.49	-14.35	1.800e+05	-2839.28	-7224.53
20	20	229.55	-4167.31	-112.95	-24.88	1.225e+05	-2874.08	-5267.38
20	20	232.73	-3615.05	-203.15	-30.35	6.263e+04	-2409.76	-3356.67
20	20	235.91	-2765.00	-116.59	-33.17	1.415e+04	-1402.03	-1569.97
20	30	-30.00	-6670.78	84.55	10.79	2.665e+05	1230.34	1366.58
20	30	30.00	-6672.56	142.59	-74.66	2.899e+05	278.28	3314.66
20	30	80.00	-6212.57	708.12	-35.77	2.920e+05	-2040.84	3972.93
20	30	130.00	-5698.70	646.14	-12.93	2.930e+05	-3753.44	2491.23
...								
20	73	235.91	-2484.98	-115.40	-2.75	1.250e+04	-323.14	-237.15
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-9936.30	-1569.75	-137.38	6765.79	-6226.83	-1.635e+04
			-1622.86	996.15	161.47	4.352e+05	6020.91	4986.43

Macro	Tipo	Angolo 1-Z (gradi)
21	Setto	0.0

M_S	Cmb	Z cm	N memb. daN	V memb. daN	V orto daN	M memb. daN cm	M orto daN cm	T daN cm
21	2	-30.00	-4.464e+04	-561.34	-88.14	1.944e+06	1.687e+04	-100.71
21	2	30.00	-4.464e+04	-561.34	-88.14	1.979e+06	1.158e+04	2265.55
21	2	80.00	-4.362e+04	327.42	-88.22	1.964e+06	7166.44	2049.10
21	2	130.00	-4.240e+04	327.42	-88.22	1.947e+06	2755.69	792.20
21	2	160.00	-4.143e+04	327.42	-88.22	1.937e+06	109.24	-766.11
21	2	220.00	-4.012e+04	561.04	-88.22	1.988e+06	-5184.17	-6842.00
21	2	223.33	-1.531e+04	-4936.21	-31.13	-6.038e+04	-3484.47	-4222.49
21	2	226.67	-1.343e+04	-4107.73	-23.39	-4.767e+04	-1979.16	-2811.30

21	2	230.00	-1.151e+04	-3072.54	-21.42	-3.291e+04	-1200.40	-1859.12
21	2	233.33	-9589.13	-2060.13	-14.42	-2.057e+04	-682.91	-1183.61
21	2	236.67	-7666.57	-1175.85	-9.67	-1.190e+04	-354.76	-840.02
21	2	240.00	-5730.78	-503.88	-10.39	-4989.02	-234.02	-501.49
21	2	243.33	-3810.13	-93.09	-5.54	-1619.94	-108.77	-290.87
21	2	246.67	-1897.70	73.50	-2.90	-230.28	-41.59	-131.78
21	3	-30.00	-2.736e+04	-347.52	-40.71	1.222e+06	8076.51	-300.55
21	3	30.00	-2.736e+04	-347.52	-40.71	1.244e+06	5634.05	1414.76
21	3	80.00	-2.654e+04	227.06	-40.76	1.232e+06	3596.09	1366.72
21	3	130.00	-2.560e+04	227.06	-40.76	1.220e+06	1558.23	635.54
21	3	160.00	-2.485e+04	227.06	-40.76	1.214e+06	335.51	-322.64
21	3	220.00	-2.390e+04	301.13	-40.76	1.241e+06	-2110.28	-4057.63
21	3	223.33	-8765.22	-2945.50	-16.07	-4.005e+04	-1918.03	-2417.49
21	3	226.67	-7661.08	-2473.25	-11.79	-2.689e+04	-1070.59	-1631.13
21	3	230.00	-6572.46	-1856.05	-10.91	-1.865e+04	-636.22	-1099.60
21	3	233.33	-5478.89	-1246.53	-7.14	-1.191e+04	-349.91	-719.08
21	3	236.67	-4382.03	-713.52	-4.67	-6946.35	-170.80	-522.93
21	3	240.00	-3276.09	-308.58	-5.32	-2920.45	-109.76	-324.25
21	3	243.33	-2178.27	-59.97	-2.76	-943.07	-45.41	-194.86
21	3	246.67	-1084.92	42.22	-1.46	-129.06	-14.64	-91.34
21	16	-30.00	-2.884e+04	-179.43	-724.97	1.266e+06	1.041e+05	-3325.70
21	16	30.00	-2.884e+04	-179.43	-724.97	1.289e+06	1.013e+05	-8069.99
21	16	80.00	-2.803e+04	515.95	-682.18	1.272e+06	6.295e+04	-1.618e+04
21	16	130.00	-2.710e+04	468.34	-636.54	1.256e+06	2.981e+04	-2.166e+04
21	16	160.00	-2.635e+04	427.25	-591.71	1.246e+06	5511.79	-2.470e+04
21	16	220.00	-2.548e+04	505.35	-547.52	1.245e+06	-2.059e+04	-3.258e+04
21	16	223.33	-9452.34	-3108.15	-89.97	-4.046e+04	-8362.07	-2.182e+04
21	16	226.67	-8263.74	-2603.81	-84.96	-2.660e+04	-4837.80	-1.681e+04
21	16	230.00	-7100.03	-1951.10	-75.95	-1.979e+04	-3169.36	-1.301e+04
21	16	233.33	-5919.19	-1307.74	-65.43	-1.268e+04	-2120.06	-9854.81
21	16	236.67	-4734.55	-743.50	-54.11	-7440.41	-1446.32	-7278.85
21	16	240.00	-3539.70	-315.44	-44.47	-3141.01	-1024.10	-4996.66
21	16	243.33	-2353.46	-54.87	-29.91	-1020.03	-654.09	-3052.25
21	16	246.67	-1172.08	49.38	-15.69	-141.71	-331.92	-1389.04
21	30	-30.00	-2.923e+04	1962.42	185.51	2.098e+06	-2.532e+04	-2142.19
21	30	30.00	-2.923e+04	1962.42	185.51	2.121e+06	-2.813e+04	6115.89
21	30	80.00	-2.839e+04	2774.43	170.01	1.965e+06	-1.855e+04	9223.71
21	30	130.00	-2.743e+04	2704.14	154.59	1.826e+06	-1.002e+04	1.028e+04
21	30	160.00	-2.667e+04	2644.83	141.17	1.727e+06	-2908.18	1.011e+04
21	30	220.00	-2.590e+04	2661.07	126.90	1.569e+06	1852.49	5521.79
...								
21	73	246.67	-1170.90	45.51	-1.64	-140.09	-18.62	-93.64
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-4.464e+04	-4936.21	-920.21	-6.038e+04	-3.814e+04	-4.075e+04
			-1084.92	3500.77	252.39	2.347e+06	1.317e+05	1.314e+04

Macro	Tipo	Angolo 1-Z (gradi)
22	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
22	1	220.00	-1.851e+04	5826.51	-6.00	1.110e+06	2440.21	-630.51
22	1	250.00	-1.842e+04	5712.91	-6.32	9.613e+05	2309.57	-1486.92
22	1	253.33	-1.682e+04	5426.71	-4.04	8.429e+05	2306.59	-1477.21
22	1	256.67	-1.523e+04	4913.91	-2.19	7.225e+05	2280.94	-1463.12
22	1	260.00	-1.366e+04	4166.34	-0.40	6.005e+05	2234.77	-1436.72
22	1	263.33	-1.211e+04	3193.24	1.45	4.778e+05	2163.54	-1381.67
22	1	266.67	-1.060e+04	2041.83	3.22	3.547e+05	2055.24	-1287.92
22	1	270.00	-9119.63	841.11	5.38	2.315e+05	1890.15	-1124.87
22	1	273.33	-7617.40	-148.46	7.82	1.130e+05	1619.83	-879.52
22	1	276.67	-5459.90	-514.47	10.36	2.398e+04	1117.68	-503.41
22	2	220.00	-2.140e+04	6722.17	-14.08	1.212e+06	2202.77	-592.82
22	2	250.00	-2.130e+04	6586.48	-14.19	1.040e+06	1829.29	-1281.74
22	2	253.33	-1.941e+04	6256.17	-11.27	9.122e+05	1812.67	-1252.90
22	2	256.67	-1.753e+04	5667.32	-8.88	7.817e+05	1774.34	-1224.02
22	2	260.00	-1.568e+04	4811.71	-6.54	6.494e+05	1719.77	-1188.30
22	2	263.33	-1.385e+04	3700.93	-4.13	5.163e+05	1647.88	-1130.48
22	2	266.67	-1.206e+04	2389.59	-1.85	3.830e+05	1550.66	-1045.16
22	2	270.00	-1.031e+04	1024.10	0.86	2.498e+05	1416.05	-904.67
22	2	273.33	-8524.85	-104.14	3.80	1.220e+05	1208.62	-708.31
22	2	276.67	-6043.37	-540.52	7.10	2.588e+04	832.51	-411.67
22	3	220.00	-1.272e+04	4011.39	-0.37	8.003e+05	2001.82	-504.80
22	3	250.00	-1.266e+04	3935.61	-0.73	6.979e+05	2028.91	-1251.57
22	3	253.33	-1.158e+04	3738.62	0.69	6.120e+05	2033.79	-1254.16
22	3	256.67	-1.050e+04	3384.12	1.83	5.246e+05	2020.72	-1251.09

22	3	260.00	-9445.44	2865.82	2.92	4.362e+05	1989.62	-1235.68
22	3	263.33	-8403.54	2189.62	4.04	3.473e+05	1935.17	-1194.79
22	3	266.67	-7383.18	1387.94	5.14	2.580e+05	1846.04	-1118.24
22	3	270.00	-6392.20	550.87	6.52	1.685e+05	1703.03	-980.97
22	3	273.33	-5382.81	-137.49	8.13	8.223e+04	1462.06	-766.50
22	3	276.67	-3893.39	-382.06	9.68	1.745e+04	1009.57	-435.43
22	18	220.00	-1.378e+04	4776.01	315.80	8.860e+05	3.042e+04	-2417.79
22	18	250.00	-1.372e+04	4696.05	315.50	7.764e+05	3.037e+04	-9982.13
22	18	253.33	-1.255e+04	4414.95	301.71	6.805e+05	2.994e+04	-1.175e+04
22	18	256.67	-1.141e+04	3966.16	286.39	5.830e+05	2.937e+04	-1.319e+04
22	18	260.00	-1.027e+04	3342.87	269.80	4.841e+05	2.857e+04	-1.421e+04
22	18	263.33	-9162.18	2552.20	251.54	3.841e+05	2.741e+04	-1.470e+04
22	18	266.67	-8077.19	1629.98	232.06	2.834e+05	2.569e+04	-1.447e+04
22	18	270.00	-7016.43	676.14	211.51	1.831e+05	2.309e+04	-1.329e+04
22	18	273.33	-5904.23	-105.69	192.07	8.847e+04	1.904e+04	-1.082e+04
22	18	276.67	-4245.75	-385.95	166.00	1.866e+04	1.232e+04	-6677.11
22	30	220.00	-1.392e+04	5366.00	117.75	9.164e+05	1.386e+04	-1265.04
22	30	250.00	-1.385e+04	5286.80	117.45	8.070e+05	1.382e+04	-4821.18
22	30	253.33	-1.270e+04	4929.98	113.31	7.064e+05	1.361e+04	-5534.30
22	30	256.67	-1.155e+04	4404.93	108.53	6.041e+05	1.334e+04	-6108.10
22	30	260.00	-1.043e+04	3704.58	103.32	5.003e+05	1.298e+04	-6521.33
22	30	263.33	-9325.19	2836.24	97.62	3.953e+05	1.245e+04	-6702.96
22	30	266.67	-8249.67	1837.67	91.56	2.893e+05	1.167e+04	-6545.30
22	30	270.00	-7175.35	813.05	85.36	1.858e+05	1.050e+04	-5975.57
...								
22	73	276.67	-4066.65	-389.80	8.71	1.801e+04	924.89	-408.19
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-2.140e+04	-540.52	-157.86	1.698e+04	-1.350e+04	-1.862e+04
			-3752.30	6722.17	407.01	1.212e+06	3.866e+04	6076.65

Macro	Tipo	Angolo 1-Z (gradi)
23	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
23	2	-30.00	-3.689e+04	-2081.12	-2.01	5.011e+06	-189.72	422.85
23	2	30.00	-3.807e+04	-2195.92	1.92	4.608e+06	-192.19	694.72
23	2	80.00	-3.807e+04	106.80	1.01	4.121e+06	-137.17	703.85
23	2	130.00	-3.810e+04	105.36	0.64	3.548e+06	-98.60	731.33
23	2	160.00	-3.790e+04	148.44	0.27	3.192e+06	-85.42	733.43
23	2	220.00	-3.826e+04	446.05	-3.09	2.514e+06	-130.53	670.97
23	2	223.33	-1.518e+04	-4020.98	-0.11	-2.400e+04	-95.33	325.57
23	2	226.67	-1.347e+04	-2889.47	-0.44	-4.823e+04	-68.18	290.62
23	2	230.00	-1.153e+04	-1988.64	-1.00	-3.272e+04	-64.50	277.21
23	2	233.33	-9579.20	-1263.47	-0.37	-1.914e+04	-43.07	241.43
23	2	236.67	-7647.01	-664.59	0.03	-1.059e+04	-24.36	204.40
23	2	240.00	-5714.48	-214.54	0.54	-4414.38	-5.11	150.21
23	2	243.33	-3798.29	45.63	0.32	-1372.86	0.08	98.27
23	2	246.67	-1893.72	121.42	0.14	-217.08	0.95	47.76
23	3	-30.00	-2.266e+04	-1236.11	2.63	3.070e+06	-684.97	120.35
23	3	30.00	-2.333e+04	-1290.39	3.99	2.842e+06	-486.43	400.31
23	3	80.00	-2.308e+04	120.50	3.55	2.562e+06	-304.89	455.49
23	3	130.00	-2.286e+04	117.26	3.36	2.230e+06	-133.25	486.56
23	3	160.00	-2.256e+04	140.92	3.22	2.025e+06	-34.96	476.64
23	3	220.00	-2.254e+04	306.27	1.99	1.637e+06	135.51	382.41
23	3	223.33	-8665.93	-2330.83	0.60	-1.390e+04	-34.42	204.02
23	3	226.67	-7691.00	-1681.51	0.29	-2.739e+04	-25.26	175.86
23	3	230.00	-6584.13	-1160.01	-0.12	-1.870e+04	-26.83	162.57
23	3	233.33	-5472.18	-737.84	0.16	-1.100e+04	-17.15	138.63
23	3	236.67	-4369.21	-387.97	0.32	-6113.57	-8.08	115.59
23	3	240.00	-3265.44	-124.29	0.55	-2552.30	1.75	83.55
23	3	243.33	-2170.64	28.71	0.34	-789.66	3.41	53.87
23	3	246.67	-1082.26	73.07	0.16	-120.19	2.48	25.76
23	18	-30.00	-2.402e+04	-812.41	558.70	3.361e+06	-7.271e+04	-64.59
23	18	30.00	-2.475e+04	-874.50	560.43	3.114e+06	-7.256e+04	9840.65
23	18	80.00	-2.450e+04	644.83	474.24	2.795e+06	-4.409e+04	2.132e+04
23	18	130.00	-2.430e+04	622.01	421.12	2.421e+06	-2.190e+04	2.618e+04
23	18	160.00	-2.407e+04	632.83	367.54	2.191e+06	-5408.14	2.653e+04
23	18	220.00	-2.414e+04	794.09	342.18	1.751e+06	1.147e+04	2.204e+04
23	18	223.33	-9301.57	-2265.03	13.65	-1.175e+04	269.84	1.459e+04
23	18	226.67	-8259.53	-1596.84	20.87	-2.704e+04	386.62	1.279e+04
23	18	230.00	-7076.14	-1063.38	28.67	-1.876e+04	617.62	1.084e+04
23	18	233.33	-5876.06	-638.43	31.80	-9751.84	737.89	8820.69
23	18	236.67	-4694.60	-298.40	30.84	-4805.87	752.37	6803.96
23	18	240.00	-3520.83	-52.57	26.42	-2228.18	678.42	4855.43

23	18	243.33	-2346.30	83.62	19.70	-862.35	524.72	3040.38
23	18	246.67	-1169.65	104.28	10.74	-132.34	299.62	1406.58
23	21	-30.00	-2.333e+04	-3465.14	243.06	2.729e+06	-3.111e+04	395.95
23	21	30.00	-2.406e+04	-3527.22	244.80	2.482e+06	-3.096e+04	5185.73
23	21	80.00	-2.399e+04	-2165.78	210.06	2.259e+06	-1.849e+04	9798.75
23	21	130.00	-2.396e+04	-2100.83	184.87	1.972e+06	-8932.01	1.173e+04
23	21	160.00	-2.377e+04	-2017.28	156.89	1.799e+06	-2203.15	1.176e+04
23	21	220.00	-2.390e+04	-1772.49	140.38	1.440e+06	4484.27	9962.29
...								
23	73	246.67	-1168.15	77.73	0.15	-130.93	2.08	28.28
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-3.826e+04	-4128.77	-309.10	-4.823e+04	-9.363e+04	-1.403e+04
			-1082.26	3031.58	720.25	5.011e+06	3.900e+04	3.406e+04

Macro	Tipo	Angolo 1-Z (gradi)
24	Setto	0.0

M_S	Cmb	Z cm	N memb. daN	V memb. daN	V orto daN	M memb. daN cm	M orto daN cm	T daN cm
24	2	220.00	-2.108e+04	6708.35	1.92	1.134e+06	64.68	314.55
24	2	250.00	-2.095e+04	6577.80	1.90	9.684e+05	108.50	278.25
24	2	253.33	-1.906e+04	6223.94	1.86	8.487e+05	112.11	227.84
24	2	256.67	-1.719e+04	5631.16	1.74	7.268e+05	113.51	179.09
24	2	260.00	-1.533e+04	4781.82	1.64	6.036e+05	113.26	135.01
24	2	263.33	-1.350e+04	3688.08	1.69	4.795e+05	112.04	92.97
24	2	266.67	-1.170e+04	2405.21	1.50	3.555e+05	104.50	54.55
24	2	270.00	-9944.91	1068.84	1.00	2.319e+05	88.89	27.09
24	2	273.33	-8159.75	-42.93	0.78	1.134e+05	70.95	12.55
24	2	276.67	-5733.93	-495.07	0.80	2.415e+04	47.86	2.59
24	3	220.00	-1.250e+04	4009.98	3.49	7.484e+05	208.51	153.78
24	3	250.00	-1.242e+04	3936.43	3.40	6.492e+05	307.13	44.43
24	3	253.33	-1.134e+04	3724.10	3.29	5.689e+05	314.45	8.24
24	3	256.67	-1.027e+04	3366.61	3.12	4.875e+05	318.86	-25.62
24	3	260.00	-9210.29	2851.89	2.97	4.052e+05	319.79	-54.64
24	3	263.33	-8167.45	2186.14	2.88	3.223e+05	316.37	-79.09
24	3	266.67	-7144.10	1402.19	2.65	2.394e+05	303.68	-96.21
24	3	270.00	-6147.58	583.48	2.27	1.563e+05	277.94	-98.88
24	3	273.33	-5134.95	-94.72	2.07	7.642e+04	236.58	-82.83
24	3	276.67	-3683.23	-350.62	1.93	1.627e+04	162.84	-48.50
24	18	220.00	-1.346e+04	4494.90	288.87	7.900e+05	2.688e+04	-852.36
24	18	250.00	-1.338e+04	4415.82	288.80	6.843e+05	2.696e+04	-7260.52
24	18	253.33	-1.221e+04	4163.11	276.44	5.988e+05	2.655e+04	-9108.68
24	18	256.67	-1.106e+04	3755.59	262.28	5.121e+05	2.598e+04	-1.063e+04
24	18	260.00	-9909.61	3180.33	246.75	4.245e+05	2.521e+04	-1.176e+04
24	18	263.33	-8780.53	2444.30	229.37	3.365e+05	2.411e+04	-1.240e+04
24	18	266.67	-7671.33	1583.14	210.52	2.485e+05	2.253e+04	-1.236e+04
24	18	270.00	-6578.68	687.41	190.41	1.615e+05	2.018e+04	-1.144e+04
24	18	273.33	-5453.29	-54.85	171.26	7.908e+04	1.657e+04	-9374.47
24	18	276.67	-3881.07	-346.45	145.78	1.691e+04	1.066e+04	-5826.39
24	21	220.00	-1.309e+04	3314.52	109.88	7.017e+05	1.130e+04	-35.36
24	21	250.00	-1.301e+04	3232.43	109.81	5.960e+05	1.139e+04	-2814.74
24	21	253.33	-1.182e+04	3134.46	105.31	5.234e+05	1.126e+04	-3590.33
24	21	256.67	-1.065e+04	2883.75	100.17	4.496e+05	1.100e+04	-4229.17
24	21	260.00	-9485.94	2468.21	94.62	3.754e+05	1.066e+04	-4710.85
24	21	263.33	-8335.99	1893.96	88.48	3.012e+05	1.018e+04	-5035.50
24	21	266.67	-7200.57	1193.02	81.79	2.277e+05	9503.95	-5113.55
24	21	270.00	-6123.66	446.34	74.63	1.514e+05	8501.61	-4730.00
24	21	273.33	-5075.95	-175.89	68.10	7.473e+04	6970.18	-3870.06
24	21	276.67	-3627.29	-398.26	59.14	1.609e+04	4480.07	-2404.20
24	22	220.00	-1.364e+04	5198.15	39.52	8.470e+05	4286.54	-394.91
24	22	250.00	-1.355e+04	5120.77	39.45	7.413e+05	4370.26	-1293.89
24	22	253.33	-1.240e+04	4772.95	37.87	6.482e+05	4249.48	-1577.89
24	22	256.67	-1.126e+04	4269.59	36.04	5.538e+05	4177.19	-1813.68
24	22	260.00	-1.013e+04	3597.72	34.08	4.581e+05	4061.54	-1977.97
24	22	263.33	-9019.20	2764.93	32.00	3.614e+05	3887.57	-2000.12
24	22	266.67	-7936.08	1809.15	29.63	2.641e+05	3628.19	-1907.81
24	22	270.00	-6848.38	825.98	27.00	1.698e+05	3242.28	-1779.07
...								
24	73	276.67	-3850.09	-357.55	1.63	1.680e+04	133.93	-36.92
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-2.108e+04	-495.07	-134.10	1.598e+04	-1.418e+04	-1.597e+04
			-3590.74	6708.35	370.35	1.134e+06	3.469e+04	6443.80

Macro	Tipo	Angolo 1-Z (gradi)
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25	Setto	0.0							
M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T	
		cm	daN	daN	daN	daN cm	daN cm	daN cm	
25	2	-30.00	-4.454e+04	-690.40	110.29	1.896e+06	-2.130e+04	-307.97	
25	2	30.00	-4.454e+04	-690.40	110.29	1.939e+06	-1.469e+04	-237.07	
25	2	80.00	-4.352e+04	189.10	110.29	1.929e+06	-9170.34	506.34	
25	2	130.00	-4.230e+04	189.10	110.29	1.920e+06	-3655.65	1764.27	
25	2	160.00	-4.132e+04	189.10	110.29	1.914e+06	-346.83	2935.84	
25	2	220.00	-4.002e+04	435.82	110.29	1.972e+06	6270.80	7235.05	
25	2	223.33	-1.531e+04	-5063.18	30.09	-6.027e+04	2778.81	4551.79	
25	2	226.67	-1.344e+04	-4210.93	22.99	-4.832e+04	1540.47	3259.61	
25	2	230.00	-1.152e+04	-3150.37	19.75	-3.350e+04	914.72	2357.35	
25	2	233.33	-9592.36	-2122.96	19.75	-2.041e+04	605.80	1688.14	
25	2	236.67	-7672.47	-1229.78	15.46	-1.208e+04	387.04	1123.33	
25	2	240.00	-5734.92	-538.81	8.16	-5075.72	184.47	773.91	
25	2	243.33	-3812.38	-112.33	5.73	-1634.35	96.99	478.46	
25	2	246.67	-1898.84	65.71	3.17	-233.73	46.79	228.29	
25	3	-30.00	-2.732e+04	-423.03	59.08	1.189e+06	-1.168e+04	-112.13	
25	3	30.00	-2.732e+04	-423.03	59.08	1.215e+06	-8130.16	-290.68	
25	3	80.00	-2.650e+04	148.24	59.08	1.206e+06	-5176.05	116.57	
25	3	130.00	-2.556e+04	148.24	59.08	1.198e+06	-2221.94	874.24	
25	3	160.00	-2.481e+04	148.24	59.08	1.194e+06	-449.47	1609.31	
25	3	220.00	-2.385e+04	225.79	59.08	1.226e+06	3095.46	4304.02	
25	3	223.33	-8770.14	-3011.84	16.72	-4.010e+04	1576.90	2641.64	
25	3	226.67	-7666.62	-2529.15	12.66	-2.711e+04	860.42	1900.83	
25	3	230.00	-6577.69	-1899.37	10.93	-1.890e+04	501.20	1383.85	
25	3	233.33	-5480.95	-1282.72	10.91	-1.176e+04	324.27	998.00	
25	3	236.67	-4385.82	-745.50	8.49	-7036.33	200.49	674.97	
25	3	240.00	-3278.75	-329.78	4.52	-2963.04	90.33	469.13	
25	3	243.33	-2179.77	-72.10	3.15	-949.21	44.27	293.51	
25	3	246.67	-1085.69	37.05	1.76	-130.76	20.59	141.66	
25	18	-30.00	-2.877e+04	-256.90	742.04	1.197e+06	-1.076e+05	3093.60	
25	18	30.00	-2.877e+04	-256.90	742.04	1.225e+06	-1.037e+05	9428.99	
25	18	80.00	-2.796e+04	382.27	699.39	1.217e+06	-6.476e+04	1.796e+04	
25	18	130.00	-2.703e+04	312.28	654.00	1.209e+06	-3.051e+04	2.347e+04	
25	18	160.00	-2.630e+04	258.13	616.89	1.206e+06	-5707.98	2.626e+04	
25	18	220.00	-2.544e+04	329.34	565.45	1.216e+06	2.150e+04	3.297e+04	
25	18	223.33	-9514.18	-3231.60	89.77	-4.286e+04	7902.41	2.212e+04	
25	18	226.67	-8314.06	-2710.33	83.99	-2.823e+04	4549.78	1.717e+04	
25	18	230.00	-7135.38	-2037.79	76.62	-1.989e+04	2983.09	1.338e+04	
25	18	233.33	-5946.74	-1376.97	68.49	-1.244e+04	2056.77	1.022e+04	
25	18	236.67	-4759.26	-801.73	57.05	-7503.44	1451.29	7509.03	
25	18	240.00	-3558.42	-357.59	43.87	-3191.87	990.57	5205.05	
25	18	243.33	-2365.69	-81.16	30.17	-1035.00	646.65	3194.47	
25	18	246.67	-1178.09	37.05	15.95	-145.39	335.84	1462.09	
25	21	-30.00	-2.865e+04	-2817.27	298.22	4.174e+05	-4.738e+04	-2042.52	
25	21	30.00	-2.865e+04	-2817.27	298.22	4.451e+05	-4.348e+04	4447.36	
25	21	80.00	-2.786e+04	-2424.03	282.64	5.833e+05	-2.828e+04	8075.56	
25	21	130.00	-2.694e+04	-2371.43	267.14	7.063e+05	-1.413e+04	1.073e+04	
25	21	160.00	-2.621e+04	-2322.76	253.62	7.960e+05	-3634.04	1.234e+04	
25	21	220.00	-2.505e+04	-2133.25	239.14	1.025e+06	7779.01	1.398e+04	
...									
25	73	246.67	-1171.69	40.14	1.91	-142.01	24.13	149.44	
M_S			N memb.	V memb.	V orto	M memb.	M orto	T	
			-4.454e+04	-5063.18	-235.32	-6.027e+04	-1.351e+05	-1.188e+04	
			-1085.69	3454.59	936.93	2.344e+06	3.580e+04	4.118e+04	

Macro	Tipo	Angolo 1-Z (gradi)						
26	Setto	0.0						
M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
26	2	220.00	-2.133e+04	6721.39	44.48	1.197e+06	216.02	881.13
26	2	250.00	-2.123e+04	6573.69	44.02	1.025e+06	1494.22	394.94
26	2	253.33	-1.933e+04	6248.52	39.91	8.984e+05	1571.15	154.85
26	2	256.67	-1.746e+04	5665.55	36.27	7.697e+05	1636.76	-54.66
26	2	260.00	-1.560e+04	4816.29	32.17	6.394e+05	1674.79	-234.44
26	2	263.33	-1.378e+04	3711.29	27.98	5.082e+05	1677.87	-364.54
26	2	266.67	-1.198e+04	2405.03	24.11	3.768e+05	1641.41	-448.51
26	2	270.00	-1.023e+04	1040.96	20.84	2.457e+05	1545.83	-463.40
26	2	273.33	-8445.31	-88.37	17.62	1.199e+05	1343.34	-404.18
26	2	276.67	-5972.80	-528.17	12.01	2.542e+04	920.74	-217.96
26	3	220.00	-1.268e+04	3997.39	21.52	7.918e+05	-375.76	624.13
26	3	250.00	-1.262e+04	3915.75	21.45	6.892e+05	231.17	566.20
26	3	253.33	-1.154e+04	3722.86	19.17	6.043e+05	269.46	439.52

26	3	256.67	-1.047e+04	3373.18	17.15	5.181e+05	304.51	326.53
26	3	260.00	-9406.28	2860.28	14.89	4.307e+05	329.15	225.13
26	3	263.33	-8363.79	2189.19	12.56	3.428e+05	341.83	143.43
26	3	266.67	-7342.97	1392.27	10.42	2.546e+05	344.03	75.86
26	3	270.00	-6350.53	557.72	8.54	1.662e+05	331.61	28.63
26	3	273.33	-5340.05	-129.95	6.61	8.109e+04	291.72	-2.82
26	3	276.67	-3855.32	-375.50	3.52	1.720e+04	197.09	1.45
26	16	220.00	-1.376e+04	4814.94	-295.46	8.805e+05	-2.883e+04	2489.07
26	16	250.00	-1.369e+04	4728.97	-295.60	7.706e+05	-2.814e+04	9257.41
26	16	253.33	-1.253e+04	4445.08	-282.63	6.745e+05	-2.766e+04	1.091e+04
26	16	256.67	-1.139e+04	3993.77	-268.25	5.772e+05	-2.707e+04	1.225e+04
26	16	260.00	-1.025e+04	3368.27	-252.31	4.789e+05	-2.627e+04	1.320e+04
26	16	263.33	-9138.53	2574.58	-235.12	3.799e+05	-2.514e+04	1.364e+04
26	16	266.67	-8049.57	1649.19	-216.69	2.803e+05	-2.351e+04	1.343e+04
26	16	270.00	-6984.05	690.58	-196.60	1.811e+05	-2.106e+04	1.234e+04
26	16	273.33	-5869.59	-96.15	-177.65	8.749e+04	-1.729e+04	1.006e+04
26	16	276.67	-4213.82	-378.17	-152.83	1.843e+04	-1.111e+04	6251.13
26	21	220.00	-1.319e+04	3149.58	145.77	7.347e+05	1.174e+04	-45.88
26	21	250.00	-1.313e+04	3057.18	145.63	6.256e+05	1.243e+04	-3089.60
26	21	253.33	-1.194e+04	3001.53	137.34	5.502e+05	1.227e+04	-3961.39
26	21	256.67	-1.077e+04	2780.95	129.04	4.731e+05	1.206e+04	-4679.72
26	21	260.00	-9609.05	2389.70	119.89	3.951e+05	1.174e+04	-5227.33
26	21	263.33	-8463.79	1833.14	110.29	3.171e+05	1.128e+04	-5543.88
26	21	266.67	-7335.14	1142.28	100.56	2.396e+05	1.058e+04	-5534.28
26	21	270.00	-6263.74	401.10	90.77	1.594e+05	9507.62	-5136.35
26	21	273.33	-5224.40	-214.61	81.52	7.863e+04	7831.16	-4219.39
26	21	276.67	-3759.56	-423.72	68.15	1.686e+04	5048.85	-2610.69
26	24	220.00	-1.388e+04	5383.26	-96.90	9.079e+05	-1.224e+04	1318.76
26	24	250.00	-1.382e+04	5297.72	-97.04	7.982e+05	-1.155e+04	4101.62
26	24	253.33	-1.267e+04	4941.32	-93.71	6.983e+05	-1.130e+04	4693.45
26	24	256.67	-1.152e+04	4417.24	-89.81	5.970e+05	-1.101e+04	5163.70
26	24	260.00	-1.039e+04	3718.30	-85.59	4.943e+05	-1.064e+04	5491.58
26	24	263.33	-9288.05	2850.61	-81.05	3.906e+05	-1.016e+04	5636.31
26	24	266.67	-8210.13	1852.25	-76.00	2.858e+05	-9466.13	5492.93
26	24	270.00	-7133.18	825.82	-70.25	1.835e+05	-8451.03	5016.95

...								
26	73	276.67	-4024.86	-382.56	4.83	1.774e+04	314.34	-37.34
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-2.133e+04	-528.17	-386.95	1.668e+04	-3.710e+04	-7157.72
			-3705.27	6721.39	180.19	1.197e+06	1.590e+04	1.757e+04

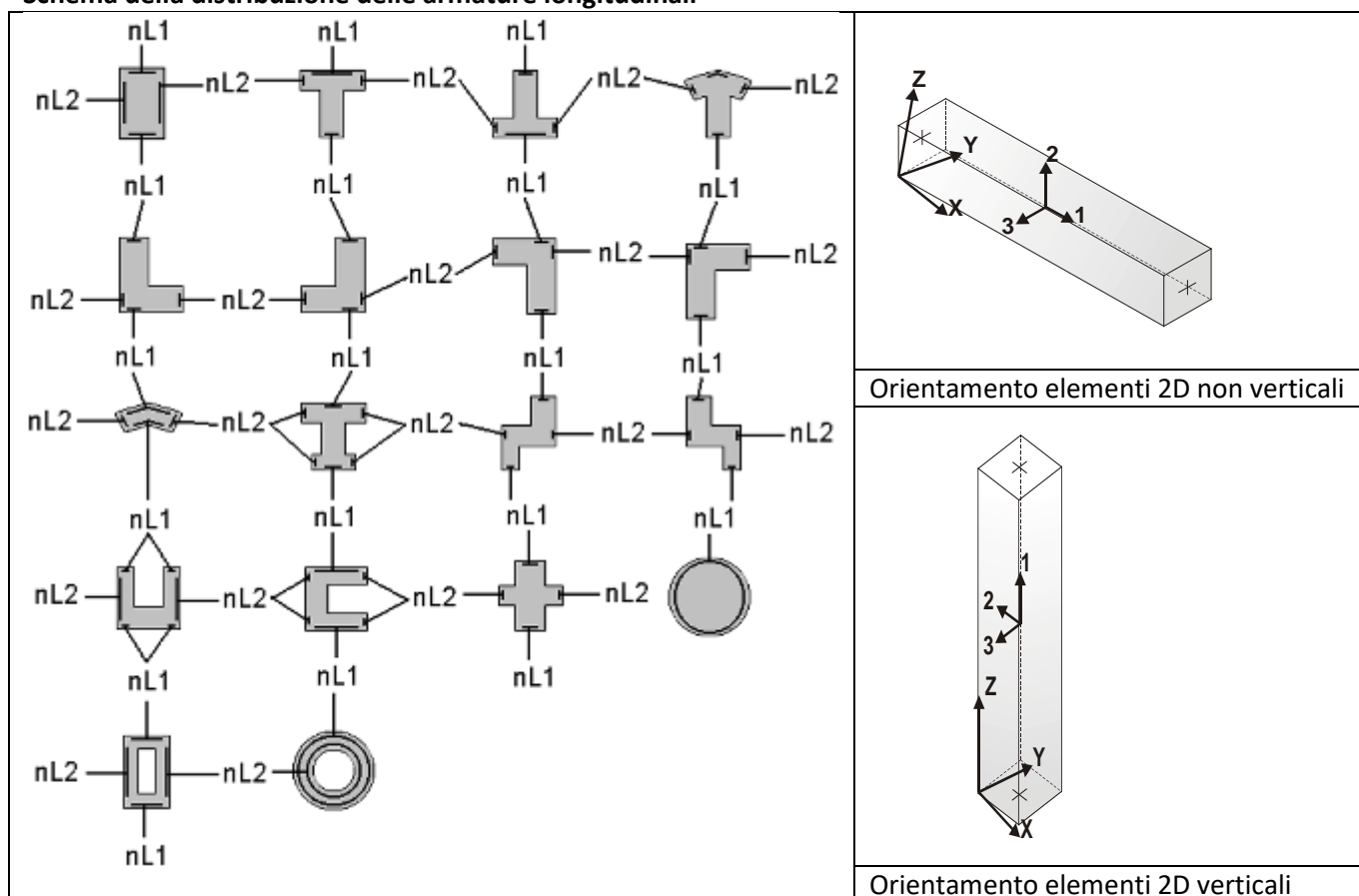
Elem.	Cmb	Nodo	Von Mises	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
			daN/cm2	daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	daN	daN
1	2	980	1.84	10.96	-36.98	2.85	-28.86	17.98	4.07	-2.57	0.02	1.47	3.24
		1071	1.91	11.03	-38.17	0.84	-27.97	19.94	4.78	-2.79	0.31	1.68	3.72
		194	1.99	11.75	-39.86	2.44	-30.55	19.84	5.40	-2.40	1.07	1.93	3.88
		1146	1.90	8.83	-39.92	0.94	-32.03	17.96	4.60	-1.99	0.63	1.98	3.23
1	15	980	1.48	8.08	-24.66	1.56	-18.15	13.07	9.45	-22.26	-11.63	-1.18	-14.96
		1071	1.50	8.01	-25.26	0.32	-17.57	14.03	9.33	-20.64	-11.46	0.15	-13.81
		194	1.55	8.45	-26.20	1.35	-19.09	13.99	10.86	-19.49	-8.76	0.13	-14.51
		1146	1.51	6.78	-26.40	0.44	-20.05	13.05	11.25	-21.35	-9.02	-1.09	-15.81
1	47	980	1.59	8.45	-24.99	1.54	-18.08	13.54	12.61	-29.35	-15.02	-1.72	-19.90
		1071	1.61	8.43	-25.58	0.30	-17.45	14.50	12.49	-27.34	-14.85	2.36e-03	-18.48
		194	1.65	8.85	-26.49	1.33	-18.97	14.46	14.46	-25.97	-11.49	-0.02	-19.39
		1146	1.62	7.16	-26.72	0.42	-19.98	13.52	14.87	-28.25	-11.75	-1.63	-20.95
1	70	980	1.33	7.85	-26.79	2.01	-20.96	12.96	3.06	-1.78	0.03	1.24	2.34
		1071	1.37	7.82	-27.60	0.57	-20.35	14.29	3.52	-1.93	0.24	1.35	2.66
		194	1.44	8.35	-28.81	1.72	-22.18	14.23	3.89	-1.66	0.77	1.47	2.76
		1146	1.37	6.32	-28.90	0.65	-23.22	12.95	3.35	-1.37	0.45	1.53	2.30
1	72	980	1.19	6.90	-24.13	1.73	-18.96	11.57	2.95	-1.47	0.06	1.42	2.10
		1071	1.22	6.75	-24.77	0.45	-18.47	12.60	3.26	-1.58	0.24	1.44	2.34
		194	1.28	7.24	-25.83	1.46	-20.05	12.56	3.47	-1.36	0.67	1.44	2.39
		1146	1.23	5.56	-25.97	0.52	-20.94	11.55	3.06	-1.10	0.40	1.55	2.00
1	73	980	1.16	6.67	-23.47	1.66	-18.46	11.22	2.92	-1.39	0.07	1.47	2.04
		1071	1.18	6.48	-24.06	0.42	-18.00	12.18	3.20	-1.49	0.24	1.46	2.26
		194	1.24	6.97	-25.08	1.40	-19.52	12.14	3.37	-1.29	0.65	1.44	2.29
		1146	1.19	5.37	-25.24	0.49	-20.37	11.20	2.98	-1.04	0.39	1.56	1.92
2	2	1146	1.89	9.59	-39.06	1.53	-31.01	18.09	4.58	-1.93	0.71	1.93	3.20
		194	1.94	11.30	-38.91	1.87	-29.48	19.61	5.32	-2.45	1.02	1.85	3.87
		192	1.96	10.49	-39.83	2.10	-31.45	18.75	5.53	-2.20	1.44	1.89	3.86
		39	1.91	8.20	-40.59	0.55	-32.94	17.74	4.82	-1.41	1.36	2.06	3.10
2	15	1146	1.52	7.28	-25.74	0.80	-19.27	13.11	12.29	-21.64	-8.96	-0.40	-16.42
		194	1.51	8.12	-25.37	0.99	-18.23	13.71	10.87	-19.70	-8.79	-0.04	-14.65
		192	1.50	7.91	-25.76	1.55	-19.40	13.18	11.82	-18.46	-6.48	-0.16	-14.81
		39	1.53	6.76	-26.58	0.62	-20.44	12.93	13.45	-20.41	-6.50	-0.46	-16.66
2	47	1146	1.63	7.64	-26.06	0.79	-19.21	13.56	16.27	-28.58	-11.69	-0.62	-21.73
		194	1.61	8.51	-25.64	0.98	-18.11	14.16	14.48	-26.23	-11.52	-0.22	-19.55

		192	1.61	8.37	-25.99	1.65	-19.27	13.63	15.71	-24.65	-8.60	-0.34	-19.75
		39	1.64	7.21	-26.87	0.71	-20.38	13.38	17.70	-27.01	-8.62	-0.69	-22.00
2	70	1146	1.36	6.89	-28.25	1.07	-22.43	13.06	3.34	-1.32	0.51	1.50	2.28
		194	1.40	8.02	-28.06	1.31	-21.35	14.04	3.84	-1.70	0.73	1.41	2.75
		192	1.41	7.45	-28.72	1.48	-22.76	13.42	3.95	-1.53	1.02	1.39	2.73
		39	1.38	5.90	-29.35	0.37	-23.82	12.82	3.46	-0.95	0.97	1.54	2.19
2	72	1146	1.22	6.10	-25.34	0.90	-20.14	11.68	3.04	-1.06	0.46	1.52	1.98
		194	1.24	6.94	-25.06	1.10	-19.22	12.36	3.42	-1.40	0.63	1.39	2.38
		192	1.25	6.45	-25.62	1.26	-20.44	11.81	3.44	-1.27	0.88	1.29	2.35
		39	1.24	5.25	-26.32	0.29	-21.36	11.49	3.07	-0.74	0.86	1.47	1.88
2	73	1146	1.18	5.91	-24.62	0.86	-19.57	11.34	2.97	-1.00	0.44	1.53	1.91
		194	1.20	6.67	-24.31	1.05	-18.69	11.94	3.32	-1.32	0.61	1.39	2.29
		192	1.21	6.20	-24.85	1.21	-19.86	11.40	3.32	-1.21	0.84	1.27	2.25
		39	1.20	5.09	-25.56	0.27	-20.74	11.16	2.97	-0.68	0.83	1.46	1.80
...													
931	73	74	1.84	15.04	-18.61	5.48	-9.04	15.18	51.39	-15.84	6.51	29.04	-31.67
Elem.			Von Mises	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
			24.08	230.44	-476.99	-102.32	-319.04	-269.79	483.81	-521.97	-293.49	-498.45	-102.59
						39.23	16.81	255.47			146.87	462.99	116.27

VERIFICHE ELEMENTI TRAVE IN C.A.

In tabella vengono riportati per ogni elemento il numero identificativo ed il codice di verifica con le sigle **Ok** o **NV**. Vengono riportati: il rapporto x/d , le verifiche per sollecitazioni proporzionali e la verifica per compressione media con l'indicazione delle combinazioni in cui si sono attinti i rispettivi valori. Per gli elementi tipo trave sono riportati infine le quantità di armatura inferiore e superiore.

Schema della distribuzione delle armature longitudinali



Simbologia adottata nelle tabelle di verifica

M T Z P P	Numero della travata (T), quota media (Z), n° pilastrata iniziale (P) e finale (P) (nodo in assenza di pilastrata)
Trave	numero identificativo dell'elemento D2
Note	Codici identificativi sezione (s) e materiale (m) trave; sono inoltre presenti le sigle relative all'esito delle verifiche

	effettuate appresso descritte
%Af	Percentuale di area di armatura rispetto a quella di calcestruzzo
Af inf.	Area di armatura longitudinale posta all'intradosso
Af sup	Area di armatura longitudinale posta all'estradosso
Af long.	Area complessiva armatura longitudinale
x/d	rapporto tra posizione dell'asse neutro e altezza utile
V N/M	Verifica a pressoflessione rapporto Ed/Rd: valore minore o uguale a 1 per verifica positiva
Staffe	Dati tratto di staffatura oggetto di verifica, nello specifico: numero delle braccia, diametro, passo, lunghezza L tratto
V V/T cls	Verifica a taglio/torsione con rapporto Ved/Vrd: valore minore o uguale a 1 per verifica positiva
Rif. cmb.	Riferimento combinazioni da cui si generano le verifiche più gravose per la trave

Trave	numero identificativo dell'elemento D2 trave
M negativo i (f)	Valore del momento resistente negativo all' estremità iniziale i (finale f) della trave
M positivo i (f)	Valore del momento resistente positivo all' estremità iniziale i (finale f) della trave
Luce per V	Luce di calcolo per la definizione del taglio (generato dai momenti resistenti)
V M-i M+f	Taglio generato dai momenti resistenti negativo i e positivo f
V M-i M-f	Taglio generato dai momenti resistenti positivo i e negativo f
VEd, min	Valore di taglio minimo per verifica condizioni p.to 7.4.4.1.1 armatura diagonale (solo per CD "A")
VEd, max	Valore di taglio massimo per verifica condizioni p.to 7.4.4.1.1 armatura diagonale (solo per CD "A")
Vr1	Valore di taglio come da formula 7.4.1 per armatura diagonale (solo per CD "A")
As	Area singolo ordine armature diagonali come da formula 7.4.2 (solo per CD "A")

Trave	Note	Pos. cm	%Af	Af inf.	Af. sup	Af long.	M_T= 6	Z=-30.0	N=621	N=838	Staffe	Rif. cmb
							x/d	V N/M	V V/T cls	V V/T acc		
228	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.11	0.11	0.12	2d8/12 L=50	7,9,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.15	0.12	0.15	2d8/12 L=50	25,9,2
246	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.15	0.05	0.01	2d8/12 L=50	25,9,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.18	0.06	0.04	2d8/12 L=50	2,9,2
274	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.19	0.05	0.03	2d8/12 L=50	21,9,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.17	0.04	1.03e-03	2d8/12 L=50	21,9,17
302	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.17	0.05	0.04	2d8/12 L=50	21,9,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.14	0.03	0.01	2d8/12 L=50	21,9,2
334	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.15	0.04	0.04	2d8/12 L=50	21,9,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.12	0.03	6.24e-03	2d8/12 L=50	21,9,2
218	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.12	0.03	0.03	2d8/12 L=50	21,2,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.11	0.02	1.29e-03	2d8/12 L=50	21,9,2
47	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.11	0.03	0.02	2d8/12 L=50	21,2,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.10	0.02	8.04e-03	2d8/12 L=50	21,9,2
6	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.10	0.02	0.02	2d8/12 L=50	5,2,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.09	0.02	0.01	2d8/12 L=50	5,2,2
12	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.09	0.02	0.02	2d8/12 L=50	5,2,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.09	0.02	0.02	2d8/12 L=50	5,2,2
53	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.09	0.02	0.02	2d8/12 L=50	5,13,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.09	0.03	0.02	2d8/12 L=50	5,13,2
91	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.09	0.03	0.02	2d8/12 L=50	14,13,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.09	0.03	0.02	2d8/12 L=50	14,13,2
123	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.09	0.03	0.02	2d8/12 L=50	14,13,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.09	0.03	0.02	2d8/12 L=50	14,13,2
149	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.08	0.03	0.02	2d8/12 L=50	14,13,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.08	0.03	0.02	2d8/12 L=50	14,13,2
169	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.08	0.04	0.02	2d8/12 L=50	26,13,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.08	0.04	0.02	2d8/12 L=50	26,13,2
185	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.07	0.04	0.02	2d8/12 L=50	26,13,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.07	0.04	0.01	2d8/12 L=50	26,13,2
197	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.06	0.04	0.02	2d8/12 L=50	26,13,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.05	0.04	0.01	2d8/12 L=50	26,13,2
206	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.05	0.05	0.02	2d8/12 L=50	26,13,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.04	0.04	9.12e-03	2d8/12 L=50	26,13,2
320	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.03	0.05	0.03	2d8/12 L=50	26,17,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.04	0.04	4.59e-03	2d8/12 L=50	26,13,13
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	M_T= 7	Z=-30.0	N=438	N=474	Staffe	Rif. cmb
222	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.03	0.03	0.04	2d8/20 L=62	33,10,2
	s=7,m=1	62.0	0.27	6.0	6.0	0.0	0.10	0.03	0.04	0.03	2d8/20 L=62	33,5,2
259	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.04	0.04	0.05	2d8/20 L=62	9,20,2
	s=7,m=1	62.0	0.27	6.0	6.0	0.0	0.08	0.02	0.03	0.02	2d8/20 L=62	29,9,9
116	ok,ok	0.0	0.27	6.0	6.0	0.0	0.08	0.04	0.04	0.04	2d8/15 L=100	12,20,12
	s=7,m=1	100.0	0.27	6.0	6.0	0.0	0.10	0.04	0.06	0.05	2d8/15 L=100	17,9,2
269	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.03	0.02	0.03	2d8/20 L=46	17,17,2
	s=7,m=1	46.4	0.27	6.0	6.0	0.0	0.10	0.07	0.05	0.07	2d8/20 L=46	17,2,2
319	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.07	0.02	0.02	2d8/20 L=46	17,9,12
	s=7,m=1	46.4	0.27	6.0	6.0	0.0	0.10	0.08	0.04	0.05	2d8/20 L=46	29,9,9
264	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.08	0.04	0.04	2d8/20 L=46	29,12,32

	s=7,m=1	46.4	0.27	6.0	6.0	0.0	0.10	0.09	0.03	0.03	2d8/20 L=46	29,9,9
162	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.09	0.07	0.09	2d8/20 L=46	29,12,2
	s=7,m=1	46.4	0.27	6.0	6.0	0.0	0.10	0.04	0.04	0.04	2d8/20 L=46	29,12,2
201	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.07	0.10	0.09	2d8/15 L=55	9,12,2
	s=7,m=1	104.7	0.27	6.0	6.0	0.0	0.08	0.11	0.04	0.03	2d8/20 L=99	2,12,32
		209.4	0.27	6.0	6.0	0.0	0.08	0.06	0.08	0.08	2d8/15 L=55	9,9,2
141	ok,ok	0.0	0.27	6.0	6.0	0.0	0.08	0.04	0.05	0.03	2d8/20 L=48	9,17,29
	s=7,m=1	48.2	0.27	6.0	6.0	0.0	0.10	0.08	0.07	0.08	2d8/20 L=48	9,17,2
191	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.08	0.05	0.02	2d8/20 L=48	9,20,32
	s=7,m=1	48.2	0.27	6.0	6.0	0.0	0.10	0.08	0.06	0.03	2d8/20 L=48	9,17,2
7	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.07	0.06	0.04	2d8/20 L=48	9,20,2
	s=7,m=1	48.2	0.27	6.0	6.0	0.0	0.10	0.06	0.06	0.02	2d8/20 L=48	9,17,9
48	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.06	0.07	0.04	2d8/20 L=48	9,20,2
	s=7,m=1	48.2	0.27	6.0	6.0	0.0	0.10	0.04	0.06	0.01	2d8/20 L=48	6,17,9
86	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.04	0.07	0.04	2d8/20 L=48	6,20,2
	s=7,m=1	48.2	0.27	6.0	6.0	0.0	0.10	0.03	0.06	0.01	2d8/20 L=48	6,17,29
118	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.03	0.08	0.04	2d8/20 L=48	6,20,2
	s=7,m=1	48.2	0.27	6.0	6.0	0.0	0.10	0.02	0.06	0.02	2d8/20 L=48	18,17,29
M_T= 8 Z=-30.0 N=421 N=601												
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
224	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.12	0.11	0.14	2d8/12 L=50	29,16,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.16	0.13	0.17	2d8/12 L=50	29,2,2
242	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.16	0.06	0.02	2d8/12 L=50	29,12,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.20	0.07	0.05	2d8/12 L=50	2,16,2
270	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.20	0.06	0.03	2d8/12 L=50	29,12,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.18	0.05	1.52e-03	2d8/12 L=50	29,12,16
298	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.19	0.06	0.04	2d8/12 L=50	33,12,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.16	0.04	0.01	2d8/12 L=50	31,16,2
330	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.16	0.05	0.04	2d8/12 L=50	31,8,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.13	0.04	8.15e-03	2d8/12 L=50	31,16,2
317	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.14	0.04	0.03	2d8/12 L=50	31,8,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.12	0.03	3.51e-04	2d8/12 L=50	31,16,21
163	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.12	0.04	0.03	2d8/12 L=50	31,2,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.11	0.03	7.81e-03	2d8/12 L=50	31,8,2
39	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.11	0.03	0.02	2d8/12 L=50	31,2,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.11	0.03	0.01	2d8/12 L=50	31,2,2
8	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.10	0.03	0.02	2d8/12 L=50	31,2,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.10	0.03	0.02	2d8/12 L=50	31,2,2
49	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.10	0.03	0.02	2d8/12 L=50	11,2,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.10	0.03	0.02	2d8/12 L=50	11,2,2
87	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.10	0.03	0.02	2d8/12 L=50	20,20,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.10	0.04	0.02	2d8/12 L=50	20,20,2
119	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.10	0.04	0.01	2d8/12 L=50	36,20,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.10	0.04	0.02	2d8/12 L=50	36,20,2
145	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.10	0.04	0.01	2d8/12 L=50	36,20,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.10	0.04	0.02	2d8/12 L=50	36,20,2
165	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.09	0.05	0.01	2d8/12 L=50	36,20,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.10	0.05	0.02	2d8/12 L=50	36,20,2
181	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.09	0.05	0.01	2d8/12 L=50	36,20,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.10	0.05	0.02	2d8/12 L=50	36,20,2
193	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.09	0.05	0.02	2d8/12 L=50	36,20,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.09	0.05	0.02	2d8/12 L=50	30,20,2
202	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.08	0.06	0.03	2d8/12 L=50	36,20,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.07	0.05	7.01e-03	2d8/12 L=50	34,20,2
75	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.06	0.08	0.05	2d8/12 L=50	34,20,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.05	0.06	0.02	2d8/12 L=50	36,20,2
M_T= 9 Z=-30.0 N=338 N=436												
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
225	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.14	0.14	0.18	2d8/12 L=50	11,9,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.20	0.16	0.21	2d8/12 L=50	33,9,2
243	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.20	0.06	0.02	2d8/12 L=50	2,17,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.27	0.08	0.05	2d8/12 L=50	2,17,2
271	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.27	0.06	0.04	2d8/12 L=50	2,20,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.23	0.05	7.67e-03	2d8/12 L=50	2,17,2
299	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.23	0.06	0.06	2d8/12 L=50	2,20,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.18	0.04	0.02	2d8/12 L=50	31,20,2
331	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.19	0.05	0.05	2d8/12 L=50	31,20,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.15	0.03	0.02	2d8/12 L=50	31,20,2
282	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.15	0.04	0.04	2d8/12 L=50	31,20,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.13	0.02	4.70e-03	2d8/12 L=50	31,20,2
180	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.13	0.03	0.03	2d8/12 L=50	31,12,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.12	0.01	5.36e-03	2d8/12 L=50	31,12,2
78	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.11	0.02	0.02	2d8/12 L=50	31,12,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.11	0.01	0.01	2d8/12 L=50	31,12,2
9	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.11	0.01	0.02	2d8/12 L=50	31,2,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.11	0.01	0.02	2d8/12 L=50	31,32,2

50	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.10	0.02	0.02	2d8/12 L=50	31,20,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.10	0.02	0.02	2d8/12 L=50	31,20,2
88	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.10	0.02	0.01	2d8/12 L=50	32,20,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.11	0.02	0.02	2d8/12 L=50	36,20,2
120	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.10	0.03	0.01	2d8/12 L=50	32,20,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.11	0.03	0.02	2d8/12 L=50	32,20,2
146	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.11	0.03	6.15e-03	2d8/12 L=50	30,20,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.12	0.04	0.03	2d8/12 L=50	30,20,2
166	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.12	0.03	6.13e-04	2d8/12 L=50	30,20,32
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.13	0.05	0.04	2d8/12 L=50	30,20,2
182	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.13	0.04	2.17e-03	2d8/12 L=50	30,20,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.15	0.05	0.04	2d8/12 L=50	30,20,2
194	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.14	0.05	6.84e-03	2d8/12 L=50	30,20,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.15	0.06	0.03	2d8/12 L=50	2,20,2
203	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.15	0.07	0.04	2d8/12 L=50	2,20,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.12	0.05	8.75e-03	2d8/12 L=50	30,20,2
108	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.12	0.12	0.14	2d8/12 L=50	30,20,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.11	0.10	0.10	2d8/12 L=50	32,20,2
M_T= 10 Z=-30.0 N=758 N=901												
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
226	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.13	0.14	0.17	2d8/12 L=50	35,17,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.20	0.15	0.20	2d8/12 L=50	21,17,2
244	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.20	0.06	0.02	2d8/12 L=50	21,20,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.26	0.08	0.05	2d8/12 L=50	2,17,2
272	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.26	0.06	0.04	2d8/12 L=50	2,20,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.22	0.05	7.37e-03	2d8/12 L=50	2,20,2
300	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.23	0.06	0.06	2d8/12 L=50	2,20,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.18	0.04	0.02	2d8/12 L=50	21,20,2
332	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.19	0.05	0.05	2d8/12 L=50	21,20,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.15	0.03	0.01	2d8/12 L=50	21,20,2
292	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.15	0.04	0.04	2d8/12 L=50	21,20,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.13	0.02	3.57e-03	2d8/12 L=50	21,20,2
213	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.13	0.03	0.03	2d8/12 L=50	25,20,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.12	0.02	6.28e-03	2d8/12 L=50	25,17,2
210	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.11	0.02	0.02	2d8/12 L=50	25,20,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.11	0.02	0.01	2d8/12 L=50	21,17,2
10	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.11	0.01	0.02	2d8/12 L=50	21,13,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.11	0.01	0.02	2d8/12 L=50	21,13,2
51	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.10	0.01	0.02	2d8/12 L=50	29,2,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.10	0.01	0.02	2d8/12 L=50	29,2,2
89	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.10	0.01	0.02	2d8/12 L=50	6,13,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.10	0.01	0.02	2d8/12 L=50	10,13,2
121	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.10	0.02	0.02	2d8/12 L=50	22,13,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.10	0.02	0.02	2d8/12 L=50	22,13,2
147	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.09	0.02	0.02	2d8/12 L=50	22,13,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.09	0.02	0.02	2d8/12 L=50	22,13,2
167	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.09	0.02	0.02	2d8/12 L=50	26,17,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.09	0.02	0.02	2d8/12 L=50	26,17,2
183	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.08	0.03	0.02	2d8/12 L=50	24,17,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.08	0.03	0.02	2d8/12 L=50	24,17,2
195	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.07	0.03	0.02	2d8/12 L=50	24,20,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.06	0.03	0.01	2d8/12 L=50	24,17,2
204	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.05	0.04	0.02	2d8/12 L=50	24,20,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.04	0.03	0.01	2d8/12 L=50	24,17,2
35	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.03	0.04	0.03	2d8/12 L=50	24,20,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.03	0.03	7.11e-03	2d8/12 L=50	24,17,2
M_T= 11 Z=-30.0 N=214 N=908												
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
227	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.14	0.14	0.18	2d8/12 L=50	27,20,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.21	0.15	0.21	2d8/12 L=50	21,20,2
245	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.21	0.07	0.02	2d8/12 L=50	21,20,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.27	0.08	0.05	2d8/12 L=50	2,20,2
273	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.27	0.06	0.04	2d8/12 L=50	2,20,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.23	0.05	7.74e-03	2d8/12 L=50	2,20,2
301	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.23	0.06	0.06	2d8/12 L=50	2,20,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.19	0.05	0.02	2d8/12 L=50	21,20,2
333	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.19	0.05	0.05	2d8/12 L=50	21,20,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.15	0.04	0.02	2d8/12 L=50	21,20,2
321	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.16	0.04	0.04	2d8/12 L=50	21,20,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.13	0.02	4.87e-03	2d8/12 L=50	21,20,2
257	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.13	0.03	0.03	2d8/12 L=50	21,8,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.12	0.02	5.18e-03	2d8/12 L=50	21,12,2
211	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.12	0.02	0.02	2d8/12 L=50	21,8,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.11	0.01	0.01	2d8/12 L=50	21,8,2
11	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.11	0.01	0.02	2d8/12 L=50	21,2,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.11	0.01	0.02	2d8/12 L=50	21,21,2

52	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.11	0.02	0.02	2d8/12 L=50	5,13,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.11	0.02	0.02	2d8/12 L=50	5,13,2
90	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.10	0.02	0.01	2d8/12 L=50	6,13,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.11	0.02	0.02	2d8/12 L=50	6,13,2
122	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.11	0.02	0.01	2d8/12 L=50	22,17,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.11	0.03	0.02	2d8/12 L=50	22,17,2
148	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.11	0.03	5.88e-03	2d8/12 L=50	24,17,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.12	0.04	0.03	2d8/12 L=50	24,17,2
168	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.12	0.03	4.95e-04	2d8/12 L=50	24,17,24
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.14	0.05	0.04	2d8/12 L=50	24,17,2
184	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.13	0.04	2.37e-03	2d8/12 L=50	24,17,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.15	0.05	0.04	2d8/12 L=50	24,17,2
196	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.14	0.05	6.90e-03	2d8/12 L=50	24,17,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.16	0.06	0.03	2d8/12 L=50	2,17,2
205	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.15	0.07	0.05	2d8/12 L=50	2,17,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.12	0.05	9.83e-03	2d8/12 L=50	24,17,2
279	ok,ok	0.0	0.20	6.0	6.0	0.0	0.08	0.12	0.11	0.14	2d8/12 L=50	24,17,2
	s=6,m=1	50.4	0.20	6.0	6.0	0.0	0.08	0.12	0.10	0.10	2d8/12 L=50	24,17,2
M_T=16 Z=-30.0 N=53 N=438												
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
219	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.03	0.07	0.04	2d8/20 L=38	14,19,2
	s=7,m=1	37.5	0.27	6.0	6.0	0.0	0.08	0.03	0.05	6.59e-03	2d8/20 L=38	17,15,29
281	ok,ok	0.0	0.27	6.0	6.0	0.0	0.08	0.03	0.07	0.06	2d8/20 L=38	17,15,2
	s=7,m=1	37.5	0.27	6.0	6.0	0.0	0.08	0.05	0.05	0.02	2d8/20 L=38	2,15,2
256	ok,ok	0.0	0.27	6.0	6.0	0.0	0.08	0.05	0.07	0.06	2d8/20 L=38	2,20,2
	s=7,m=1	37.5	0.27	6.0	6.0	0.0	0.08	0.07	0.05	0.02	2d8/20 L=38	2,20,20
36	ok,ok	0.0	0.27	6.0	6.0	0.0	0.08	0.15	0.08	0.05	2d8/15 L=55	2,20,2
	s=7,m=1	128.6	0.27	6.0	6.0	0.0	0.08	0.14	0.06	0.07	2d8/20 L=146	2,2,2
		257.1	0.27	6.0	6.0	0.0	0.10	0.22	0.16	0.16	2d8/15 L=55	13,2,2
307	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.13	0.10	0.12	2d8/20 L=58	17,2,2
	s=7,m=1	57.9	0.27	6.0	6.0	0.0	0.10	0.27	0.14	0.18	2d8/20 L=58	13,2,2
266	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.23	0.07	0.09	2d8/20 L=51	13,2,2
	s=7,m=1	50.9	0.27	6.0	6.0	0.0	0.10	0.18	0.04	0.03	2d8/20 L=51	18,31,2
21	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.18	0.07	0.10	2d8/20 L=51	14,2,2
	s=7,m=1	50.9	0.27	6.0	6.0	0.0	0.10	0.13	0.03	0.04	2d8/20 L=51	14,11,2
241	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.13	0.06	0.08	2d8/20 L=51	14,2,2
	s=7,m=1	50.9	0.27	6.0	6.0	0.0	0.10	0.11	0.03	0.02	2d8/20 L=51	14,19,20
45	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.10	0.05	0.06	2d8/20 L=51	14,16,2
	s=7,m=1	50.9	0.27	6.0	6.0	0.0	0.10	0.10	0.03	0.02	2d8/20 L=51	17,20,17
212	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.10	0.06	0.06	2d8/20 L=51	17,20,16
	s=7,m=1	50.9	0.27	6.0	6.0	0.0	0.08	0.10	0.03	0.02	2d8/20 L=51	17,20,17
349	ok,ok	0.0	0.27	6.0	6.0	0.0	0.08	0.10	0.06	0.05	2d8/20 L=51	17,20,20
	s=7,m=1	50.9	0.27	6.0	6.0	0.0	0.08	0.07	0.03	0.03	2d8/20 L=51	28,2,13
318	ok,ok	0.0	0.27	6.0	6.0	0.0	0.08	0.18	0.07	0.04	2d8/15 L=55	16,20,20
	s=7,m=1	85.7	0.27	6.0	6.0	0.0	0.08	0.11	0.07	0.08	2d8/20 L=61	20,2,13
		171.4	0.27	6.0	6.0	0.0	0.10	0.18	0.14	0.13	2d8/15 L=55	2,2,2
295	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.19	0.13	0.11	2d8/15 L=55	17,2,2
	s=7,m=1	85.5	0.27	6.0	6.0	0.0	0.08	0.09	0.06	0.06	2d8/20 L=60	17,15,20
		171.0	0.27	6.0	6.0	0.0	0.08	0.17	0.09	0.06	2d8/15 L=55	17,17,17
84	ok,ok	0.0	0.27	6.0	6.0	0.0	0.08	0.09	0.04	0.02	2d8/20 L=51	17,17,20
	s=7,m=1	51.0	0.27	6.0	6.0	0.0	0.10	0.12	0.07	0.06	2d8/20 L=51	17,13,13
103	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.12	0.04	0.04	2d8/20 L=51	17,20,20
	s=7,m=1	51.0	0.27	6.0	6.0	0.0	0.10	0.10	0.05	0.04	2d8/20 L=51	17,17,17
66	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.10	0.04	0.04	2d8/20 L=51	17,20,20
	s=7,m=1	51.0	0.27	6.0	6.0	0.0	0.10	0.08	0.05	0.03	2d8/20 L=51	17,17,17
28	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.08	0.03	0.03	2d8/20 L=51	17,29,2
	s=7,m=1	51.0	0.27	6.0	6.0	0.0	0.10	0.07	0.04	0.03	2d8/20 L=51	34,17,2
311	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.08	0.03	0.02	2d8/20 L=51	32,17,2
	s=7,m=1	51.0	0.27	6.0	6.0	0.0	0.10	0.08	0.04	0.04	2d8/20 L=51	32,33,2
22	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.09	0.03	0.01	2d8/20 L=51	12,36,16
	s=7,m=1	51.0	0.27	6.0	6.0	0.0	0.10	0.10	0.05	0.05	2d8/20 L=51	25,33,2
327	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.11	0.05	0.05	2d8/20 L=51	17,24,2
	s=7,m=1	51.0	0.27	6.0	6.0	0.0	0.10	0.10	0.03	0.01	2d8/20 L=51	14,26,17
99	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.09	0.04	0.04	2d8/20 L=51	14,26,2
	s=7,m=1	51.0	0.27	6.0	6.0	0.0	0.10	0.09	0.03	0.02	2d8/20 L=51	14,26,2
62	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.08	0.04	0.03	2d8/20 L=51	14,19,2
	s=7,m=1	51.0	0.27	6.0	6.0	0.0	0.10	0.09	0.03	0.03	2d8/20 L=51	17,26,2
23	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.08	0.04	0.03	2d8/20 L=51	17,20,16
	s=7,m=1	51.0	0.27	6.0	6.0	0.0	0.10	0.10	0.04	0.04	2d8/20 L=51	17,14,17
73	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.10	0.05	0.04	2d8/20 L=51	17,20,16
	s=7,m=1	51.0	0.27	6.0	6.0	0.0	0.10	0.12	0.04	0.04	2d8/20 L=51	17,14,17
135	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.11	0.07	0.06	2d8/20 L=51	13,20,20
	s=7,m=1	51.0	0.27	6.0	6.0	0.0	0.08	0.08	0.04	0.02	2d8/20 L=51	16,20,13
174	ok,ok	0.0	0.27	6.0	6.0	0.0	0.08	0.16	0.09	0.06	2d8/15 L=55	20,20,20
	s=7,m=1	85.5	0.27	6.0	6.0	0.0	0.08	0.11	0.07	0.07	2d8/20 L=60	20,13,13
		171.0	0.27	6.0	6.0	0.0	0.10	0.18	0.13	0.12	2d8/15 L=55	2,2,2

215	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.19	0.15	0.14	2d8/15 L=55	2,2,2
	s=7,m=1	85.5	0.27	6.0	6.0	0.0	0.08	0.12	0.08	0.08	2d8/20 L=60	20,2,20
		171.0	0.27	6.0	6.0	0.0	0.08	0.20	0.07	0.04	2d8/15 L=55	20,17,17
40	ok,ok	0.0	0.27	6.0	6.0	0.0	0.08	0.10	0.04	0.03	2d8/20 L=51	20,2,20
	s=7,m=1	51.0	0.27	6.0	6.0	0.0	0.08	0.11	0.06	0.04	2d8/20 L=51	20,13,13
178	ok,ok	0.0	0.27	6.0	6.0	0.0	0.08	0.11	0.03	0.03	2d8/20 L=51	20,2,16
	s=7,m=1	51.0	0.27	6.0	6.0	0.0	0.10	0.08	0.06	0.05	2d8/20 L=51	20,17,17
160	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.08	0.03	0.03	2d8/20 L=51	20,20,16
	s=7,m=1	51.0	0.27	6.0	6.0	0.0	0.10	0.06	0.05	0.04	2d8/20 L=51	20,17,17
136	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.06	0.03	0.02	2d8/20 L=51	20,9,16
	s=7,m=1	51.0	0.27	6.0	6.0	0.0	0.10	0.07	0.05	0.04	2d8/20 L=51	20,9,2
109	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.07	0.03	0.02	2d8/20 L=51	20,5,1
	s=7,m=1	51.0	0.27	6.0	6.0	0.0	0.10	0.08	0.04	0.04	2d8/20 L=51	20,21,2
79	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.08	0.03	0.02	2d8/20 L=51	20,21,16
	s=7,m=1	51.0	0.27	6.0	6.0	0.0	0.10	0.08	0.05	0.05	2d8/20 L=51	20,21,2
34	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.08	0.07	0.05	2d8/20 L=48	15,27,2
	s=7,m=1	48.2	0.27	6.0	6.0	0.0	0.10	0.07	0.05	6.38e-03	2d8/20 L=48	20,14,17
101	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.06	0.06	0.05	2d8/20 L=48	20,15,2
	s=7,m=1	48.2	0.27	6.0	6.0	0.0	0.10	0.05	0.05	7.15e-03	2d8/20 L=48	20,14,13
64	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.04	0.06	0.04	2d8/20 L=48	20,14,2
	s=7,m=1	48.2	0.27	6.0	6.0	0.0	0.08	0.03	0.05	0.01	2d8/20 L=48	20,14,2
25	ok,ok	0.0	0.27	6.0	6.0	0.0	0.08	0.03	0.06	0.04	2d8/20 L=48	20,14,2
	s=7,m=1	48.2	0.27	6.0	6.0	0.0	0.08	0.04	0.05	0.02	2d8/20 L=48	20,14,2
138	ok,ok	0.0	0.27	6.0	6.0	0.0	0.08	0.04	0.06	0.03	2d8/20 L=48	20,18,2
	s=7,m=1	48.2	0.27	6.0	6.0	0.0	0.08	0.04	0.05	0.02	2d8/20 L=48	20,18,2
322	ok,ok	0.0	0.27	6.0	6.0	0.0	0.08	0.04	0.05	0.03	2d8/20 L=48	20,13,2
	s=7,m=1	48.2	0.27	6.0	6.0	0.0	0.08	0.04	0.06	0.03	2d8/20 L=48	20,13,2
80	ok,ok	0.0	0.27	6.0	6.0	0.0	0.08	0.04	0.05	9.21e-03	2d8/20 L=48	20,17,20
	s=7,m=1	48.2	0.27	6.0	6.0	0.0	0.08	0.02	0.07	0.05	2d8/20 L=48	20,13,2
M_T= 17 Z=-30.0 N=53 N=447												
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
220	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.03	0.03	0.02	2d8/20 L=49	5,12,2
	s=8,m=1	48.8	0.27	6.0	6.0	0.0	0.10	0.03	0.03	0.02	2d8/20 L=49	5,7,2
341	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.02	0.02	0.02	2d8/20 L=49	25,12,2
	s=8,m=1	48.8	0.27	6.0	6.0	0.0	0.10	0.03	0.03	0.03	2d8/20 L=49	25,7,2
143	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.03	0.01	9.49e-03	2d8/20 L=49	25,8,24
	s=8,m=1	48.8	0.27	6.0	6.0	0.0	0.10	0.05	0.03	0.04	2d8/20 L=49	25,2,2
156	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.05	0.01	8.68e-03	2d8/20 L=49	25,17,21
	s=8,m=1	48.8	0.27	6.0	6.0	0.0	0.10	0.07	0.04	0.05	2d8/20 L=49	21,17,2
214	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.08	0.02	0.01	2d8/20 L=49	21,9,21
	s=8,m=1	48.8	0.27	6.0	6.0	0.0	0.10	0.10	0.04	0.05	2d8/20 L=49	21,17,2
42	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.11	0.03	0.03	2d8/20 L=49	21,12,24
	s=8,m=1	48.8	0.27	6.0	6.0	0.0	0.10	0.12	0.04	0.03	2d8/20 L=49	21,9,5
81	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.12	0.08	0.11	2d8/20 L=49	21,20,2
	s=8,m=1	48.8	0.27	6.0	6.0	0.0	0.10	0.05	0.06	0.06	2d8/20 L=49	21,12,2
309	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.10	0.11	0.11	2d8/15 L=55	21,8,2
	s=8,m=1	143.7	0.27	6.0	6.0	0.0	0.08	0.16	0.04	0.03	2d8/20 L=177	2,8,8
		287.5	0.27	6.0	6.0	0.0	0.10	0.07	0.10	0.11	2d8/15 L=55	21,5,2
239	ok,ok	0.0	0.27	6.0	6.0	0.0	0.08	0.06	0.07	0.05	2d8/20 L=47	8,13,2
	s=8,m=1	46.5	0.27	6.0	6.0	0.0	0.10	0.08	0.09	0.10	2d8/20 L=47	21,13,2
267	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.08	0.05	0.02	2d8/20 L=47	21,16,24
	s=8,m=1	46.5	0.27	6.0	6.0	0.0	0.10	0.07	0.06	0.03	2d8/20 L=47	27,13,5
296	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.07	0.07	0.05	2d8/20 L=47	2,16,2
	s=8,m=1	46.5	0.27	6.0	6.0	0.0	0.10	0.05	0.05	0.02	2d8/20 L=47	15,13,5
328	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.05	0.07	0.05	2d8/20 L=47	27,14,2
	s=8,m=1	46.5	0.27	6.0	6.0	0.0	0.10	0.04	0.06	0.01	2d8/20 L=47	15,17,5
117	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.04	0.07	0.03	2d8/20 L=47	15,14,2
	s=8,m=1	46.5	0.27	6.0	6.0	0.0	0.10	0.04	0.07	0.02	2d8/20 L=47	20,17,5
114	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.04	0.07	0.04	2d8/20 L=47	20,20,2
	s=8,m=1	46.5	0.27	6.0	6.0	0.0	0.10	0.02	0.06	0.01	2d8/20 L=47	20,17,21
M_T= 18 Z=-30.0 N=447 N=474												
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
221	ok,ok	0.0	0.27	6.0	6.0	0.0	0.08	0.01	0.07	0.03	2d8/20 L=56	9,2,2
	s=8,m=1	55.8	0.27	6.0	6.0	0.0	0.10	0.01	0.06	0.03	2d8/20 L=56	9,2,2
142	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.01	0.07	0.03	2d8/20 L=56	9,2,2
	s=8,m=1	55.8	0.27	6.0	6.0	0.0	0.08	0.02	0.06	0.03	2d8/20 L=56	17,18,13
46	ok,ok	0.0	0.27	6.0	6.0	0.0	0.08	0.02	0.07	0.04	2d8/20 L=45	17,2,20
	s=8,m=1	45.0	0.27	6.0	6.0	0.0	0.08	0.04	0.07	0.03	2d8/20 L=45	17,17,13
76	ok,ok	0.0	0.27	6.0	6.0	0.0	0.08	0.04	0.07	0.05	2d8/20 L=45	17,2,20
	s=8,m=1	45.0	0.27	6.0	6.0	0.0	0.08	0.07	0.07	0.05	2d8/20 L=45	17,17,13
342	ok,ok	0.0	0.27	6.0	6.0	0.0	0.08	0.07	0.06	0.04	2d8/20 L=40	17,2,20
	s=8,m=1	40.3	0.27	6.0	6.0	0.0	0.10	0.10	0.08	0.05	2d8/20 L=40	17,17,13
254	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.10	0.06	0.02	2d8/20 L=40	17,17,20
	s=8,m=1	40.3	0.27	6.0	6.0	0.0	0.10	0.09	0.09	0.05	2d8/20 L=40	17,2,17
290	ok,ok	0.0	0.27	6.0	6.0	0.0	0.08	0.22	0.08	0.04	2d8/15 L=55	20,17,17
	s=8,m=1	72.7	0.27	6.0	6.0	0.0	0.10	0.16	0.13	0.11	2d8/20 L=35	13,2,2

		145.4	0.27	6.0	6.0	0.0	0.10	0.29	0.18	0.14	2d8/15 L=55	2,2,2
258	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.34	0.17	0.17	2d8/15 L=55	13,2,2
	s=8,m=1	238.5	0.27	6.0	6.0	0.0	0.08	0.22	0.03	0.03	2d8/20 L=366	2,9,17
		477.0	0.27	6.0	6.0	0.0	0.10	0.45	0.19	0.20	2d8/15 L=55	2,2,2
293	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.44	0.18	0.20	2d8/15 L=55	2,2,2
	s=8,m=1	238.5	0.27	6.0	6.0	0.0	0.08	0.19	0.01	7.37e-03	2d8/20 L=366	2,8,12
		477.0	0.27	6.0	6.0	0.0	0.10	0.41	0.17	0.19	2d8/15 L=55	2,2,2
325	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.41	0.17	0.19	2d8/15 L=55	2,2,2
	s=8,m=1	238.5	0.27	6.0	6.0	0.0	0.08	0.18	0.01	8.73e-03	2d8/20 L=366	2,5,9
		477.0	0.27	6.0	6.0	0.0	0.10	0.46	0.18	0.19	2d8/15 L=55	2,2,2
139	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.46	0.20	0.20	2d8/15 L=55	2,2,2
	s=8,m=1	238.5	0.27	6.0	6.0	0.0	0.08	0.22	0.04	0.03	2d8/20 L=366	2,8,20
		477.0	0.27	6.0	6.0	0.0	0.10	0.36	0.16	0.16	2d8/15 L=55	17,2,2
297	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.32	0.16	0.12	2d8/15 L=114	17,2,2
	s=8,m=1	113.7	0.27	6.0	6.0	0.0	0.10	0.22	0.08	0.04	2d8/15 L=114	17,2,20
283	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.10	0.08	0.05	2d8/20 L=25	17,2,16
	s=8,m=1	24.8	0.27	6.0	6.0	0.0	0.10	0.11	0.06	0.03	2d8/20 L=25	17,16,20
115	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.11	0.07	0.06	2d8/20 L=45	17,16,20
	s=8,m=1	45.0	0.27	6.0	6.0	0.0	0.10	0.07	0.05	0.03	2d8/20 L=45	20,16,17
179	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.07	0.07	0.05	2d8/20 L=45	20,16,20
	s=8,m=1	45.0	0.27	6.0	6.0	0.0	0.10	0.05	0.05	0.04	2d8/20 L=45	20,2,17
240	ok,ok	0.0	0.27	6.0	6.0	0.0	0.10	0.04	0.07	0.04	2d8/20 L=54	20,16,20
	s=8,m=1	54.5	0.27	6.0	6.0	0.0	0.08	0.02	0.06	0.04	2d8/20 L=54	20,2,13
268	ok,ok	0.0	0.27	6.0	6.0	0.0	0.08	0.02	0.06	0.02	2d8/20 L=54	20,8,16
	s=8,m=1	54.5	0.27	6.0	6.0	0.0	0.08	0.01	0.06	0.03	2d8/20 L=54	12,2,2
M_T= 1 Z=250.0 N=344 N=444												
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
231	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	0.05	0.17	0.02	3d8/25 L=51	2,18,1
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	0.04	0.25	0.13	3d8/25 L=51	2,18,2
18	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	0.04	0.13	0.06	3d8/25 L=51	2,18,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	0.04	0.12	0.05	3d8/25 L=51	2,13,2
71	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	0.04	0.10	0.07	3d8/25 L=51	2,18,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	0.02	0.08	0.04	3d8/25 L=51	2,13,2
1	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	0.02	0.08	0.07	3d8/25 L=51	2,18,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	4.74e-03	0.06	0.05	3d8/25 L=51	2,13,2
33	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	4.72e-03	0.06	0.06	3d8/25 L=51	2,2,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	1.16e-03	0.05	0.05	3d8/25 L=51	2,2,2
164	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	1.15e-03	0.06	0.06	3d8/25 L=51	2,2,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	4.10e-03	0.06	0.05	3d8/25 L=51	2,2,2
310	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	4.07e-03	0.06	0.06	3d8/25 L=51	2,2,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	5.41e-03	0.06	0.06	3d8/25 L=51	2,2,2
291	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	5.39e-03	0.06	0.06	3d8/25 L=51	2,2,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	5.90e-03	0.06	0.06	3d8/25 L=51	2,2,2
344	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	5.89e-03	0.06	0.06	3d8/25 L=51	2,2,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	6.05e-03	0.06	0.06	3d8/25 L=51	2,2,2
29	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	6.04e-03	0.06	0.06	3d8/25 L=51	2,2,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	6.01e-03	0.06	0.06	3d8/25 L=51	2,2,2
312	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	6.02e-03	0.06	0.06	3d8/25 L=51	2,2,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	5.86e-03	0.06	0.06	3d8/25 L=51	2,2,2
285	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	5.87e-03	0.06	0.06	3d8/25 L=51	2,16,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	5.44e-03	0.06	0.06	3d8/25 L=51	2,19,2
261	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	5.47e-03	0.07	0.06	3d8/25 L=51	2,16,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	4.61e-03	0.07	0.06	3d8/25 L=51	2,19,2
249	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	4.60e-03	0.07	0.06	3d8/25 L=51	2,16,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	2.46e-03	0.07	0.06	3d8/25 L=51	2,19,2
276	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	2.48e-03	0.08	0.05	3d8/25 L=51	2,16,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	2.24e-03	0.08	0.06	3d8/25 L=51	31,19,2
304	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	2.26e-03	0.08	0.05	3d8/25 L=51	31,16,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	9.27e-03	0.09	0.06	3d8/25 L=51	2,19,2
98	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	9.39e-03	0.10	0.05	3d8/25 L=51	2,16,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	0.02	0.11	0.07	3d8/25 L=51	2,16,2
336	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	0.02	0.16	0.07	3d8/25 L=51	2,15,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	4.35e-03	0.14	0.04	3d8/25 L=51	2,20,2
M_T= 2 Z=250.0 N=420 N=606												
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
230	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	0.02	0.20	0.02	3d8/25 L=51	17,16,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	0.03	0.24	0.09	3d8/25 L=51	2,16,2
248	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	0.03	0.15	0.06	3d8/25 L=51	2,19,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	0.02	0.14	0.05	3d8/25 L=51	2,19,2
275	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	0.02	0.12	0.06	3d8/25 L=51	2,2,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	8.88e-03	0.10	0.05	3d8/25 L=51	2,2,2
303	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	8.86e-03	0.10	0.06	3d8/25 L=51	2,2,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	2.27e-03	0.09	0.05	3d8/25 L=51	30,2,2
335	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	2.27e-03	0.09	0.06	3d8/25 L=51	30,2,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	1.95e-03	0.08	0.05	3d8/25 L=51	2,2,2
238	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	1.93e-03	0.08	0.06	3d8/25 L=51	2,2,2

	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	4.14e-03	0.07	0.05	3d8/25 L=51	2,2,2
2	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	4.12e-03	0.07	0.05	3d8/25 L=51	2,2,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	5.16e-03	0.07	0.05	3d8/25 L=51	2,2,2
85	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	5.14e-03	0.07	0.05	3d8/25 L=51	2,2,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	5.53e-03	0.06	0.05	3d8/25 L=51	2,2,2
31	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	5.52e-03	0.06	0.05	3d8/25 L=51	2,2,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	5.47e-03	0.06	0.05	3d8/25 L=51	2,2,2
13	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	5.50e-03	0.06	0.05	3d8/25 L=51	2,2,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	5.54e-03	0.06	0.05	3d8/25 L=51	2,2,2
54	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	5.50e-03	0.06	0.05	3d8/25 L=51	2,2,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	5.39e-03	0.06	0.05	3d8/25 L=51	2,2,2
92	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	5.45e-03	0.06	0.05	3d8/25 L=51	2,17,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	5.16e-03	0.06	0.05	3d8/25 L=51	2,17,2
124	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	5.15e-03	0.06	0.05	3d8/25 L=51	2,17,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	5.07e-03	0.06	0.05	3d8/25 L=51	2,17,2
150	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	5.07e-03	0.06	0.05	3d8/25 L=51	2,17,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	4.70e-03	0.06	0.05	3d8/25 L=51	2,17,2
170	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	4.73e-03	0.06	0.05	3d8/25 L=51	2,17,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	4.01e-03	0.06	0.05	3d8/25 L=51	2,17,2
186	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	4.06e-03	0.06	0.05	3d8/25 L=51	2,17,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	3.33e-03	0.06	0.05	3d8/25 L=51	2,17,2
198	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	3.37e-03	0.05	0.05	3d8/25 L=51	2,17,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	1.44e-03	0.06	0.06	3d8/25 L=51	33,17,2
207	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	1.46e-03	0.05	0.03	3d8/25 L=51	33,20,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	0.03	0.08	0.08	3d8/25 L=51	2,17,2
M_T= 3 Z=248.6 N=44 N=443												
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
229	ok,ok	0.0	0.32	6.0	6.0	0.0	0.15	8.30e-03	0.05	0.06	2d8/25 L=62	17,2,2
	s=9,m=1	62.1	0.32	6.0	6.0	0.0	0.15	9.40e-03	0.04	0.05	2d8/25 L=62	11,2,2
329	ok,ok	0.0	0.32	6.0	6.0	0.0	0.15	9.41e-03	0.05	0.06	2d8/25 L=62	11,2,2
	s=9,m=1	62.1	0.32	6.0	6.0	0.0	0.15	0.01	0.04	0.04	2d8/25 L=62	2,2,2
216	ok,ok	0.0	0.32	6.0	6.0	0.0	0.15	0.05	1.00	0.57	2d8/8 L=100	11,28,36
	s=9,m=1	100.2	0.32	6.0	6.0	0.0	0.15	0.04	1.00	0.57	2d8/8 L=100	11,31,36
38	ok,ok	0.0	0.32	6.0	6.0	0.0	0.15	0.01	0.03	0.03	2d8/25 L=47	2,11,11
	s=9,m=1	46.5	0.32	6.0	6.0	0.0	0.10	0.03	0.08	0.10	2d8/25 L=47	11,2,2
77	ok,ok	0.0	0.32	6.0	6.0	0.0	0.10	0.03	0.03	0.03	2d8/25 L=47	11,11,11
	s=9,m=1	46.5	0.32	6.0	6.0	0.0	0.10	0.04	0.05	0.06	2d8/25 L=47	2,2,2
113	ok,ok	0.0	0.32	6.0	6.0	0.0	0.10	0.04	0.04	0.03	2d8/25 L=47	2,11,11
	s=9,m=1	46.5	0.32	6.0	6.0	0.0	0.10	0.06	0.05	0.06	2d8/25 L=47	2,10,2
343	ok,ok	0.0	0.32	6.0	6.0	0.0	0.10	0.06	0.10	0.12	2d8/25 L=47	2,2,2
	s=9,m=1	46.5	0.32	6.0	6.0	0.0	0.15	7.14e-03	0.04	0.04	2d8/25 L=47	31,16,2
107	ok,ok	0.0	0.32	6.0	6.0	0.0	0.15	0.06	0.65	0.25	2d8/8 L=50	30,19,36
	s=9,m=1	104.9	0.32	6.0	6.0	0.0	0.15	0.11	0.55	0.66	2d8/25 L=110	2,19,36
		209.8	0.32	6.0	6.0	0.0	0.15	0.06	0.65	0.25	2d8/8 L=50	31,19,36
30	ok,ok	0.0	0.32	6.0	6.0	0.0	0.15	8.48e-03	0.05	0.04	2d8/25 L=48	31,19,31
	s=9,m=1	48.3	0.32	6.0	6.0	0.0	0.10	0.06	0.10	0.12	2d8/25 L=48	2,2,2
74	ok,ok	0.0	0.32	6.0	6.0	0.0	0.10	0.06	0.08	0.08	2d8/25 L=48	2,19,2
	s=9,m=1	48.3	0.32	6.0	6.0	0.0	0.10	0.03	0.03	0.02	2d8/25 L=48	2,19,30
3	ok,ok	0.0	0.32	6.0	6.0	0.0	0.10	0.03	0.07	0.07	2d8/25 L=48	2,16,2
	s=9,m=1	48.3	0.32	6.0	6.0	0.0	0.10	0.01	0.03	0.01	2d8/25 L=48	2,20,30
284	ok,ok	0.0	0.32	6.0	6.0	0.0	0.10	0.01	0.06	0.06	2d8/25 L=48	2,20,2
	s=9,m=1	48.3	0.32	6.0	6.0	0.0	0.15	3.88e-03	0.04	0.02	2d8/25 L=48	17,20,2
260	ok,ok	0.0	0.32	6.0	6.0	0.0	0.15	3.88e-03	0.06	0.05	2d8/25 L=48	17,16,2
	s=9,m=1	48.3	0.32	6.0	6.0	0.0	0.15	0.01	0.05	0.03	2d8/25 L=48	2,16,2
247	ok,ok	0.0	0.32	6.0	6.0	0.0	0.15	0.01	0.04	0.03	2d8/25 L=48	2,16,2
	s=9,m=1	48.3	0.32	6.0	6.0	0.0	0.15	2.18e-03	0.06	0.06	2d8/25 L=48	16,16,2
M_T= 4 Z=250.0 N=771 N=906												
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
232	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	0.05	0.15	0.02	3d8/25 L=51	2,18,1
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	0.04	0.22	0.13	3d8/25 L=51	2,18,2
250	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	0.04	0.12	0.06	3d8/25 L=51	2,18,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	0.03	0.11	0.05	3d8/25 L=51	2,13,2
277	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	0.03	0.09	0.07	3d8/25 L=51	2,18,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	0.02	0.07	0.04	3d8/25 L=51	2,13,2
305	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	0.02	0.07	0.07	3d8/25 L=51	2,18,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	4.32e-03	0.06	0.05	3d8/25 L=51	2,13,2
337	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	4.30e-03	0.06	0.06	3d8/25 L=51	2,2,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	1.31e-03	0.05	0.05	3d8/25 L=51	2,2,2
289	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	1.30e-03	0.06	0.06	3d8/25 L=51	2,2,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	4.06e-03	0.06	0.05	3d8/25 L=51	2,2,2
44	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	4.05e-03	0.06	0.06	3d8/25 L=51	2,2,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	5.24e-03	0.06	0.06	3d8/25 L=51	2,2,2
4	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	5.22e-03	0.06	0.06	3d8/25 L=51	2,2,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	5.64e-03	0.06	0.06	3d8/25 L=51	2,2,2
14	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	5.63e-03	0.06	0.06	3d8/25 L=51	2,2,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	5.64e-03	0.06	0.06	3d8/25 L=51	2,2,2

55	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	5.64e-03	0.06	0.06	3d8/25 L=51	2,2,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	5.51e-03	0.06	0.06	3d8/25 L=51	2,2,2
93	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	5.51e-03	0.06	0.06	3d8/25 L=51	2,2,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	5.32e-03	0.06	0.06	3d8/25 L=51	2,2,2
125	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	5.33e-03	0.06	0.06	3d8/25 L=51	2,18,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	5.15e-03	0.06	0.06	3d8/25 L=51	2,13,2
151	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	5.17e-03	0.06	0.06	3d8/25 L=51	2,18,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	5.31e-03	0.06	0.06	3d8/25 L=51	2,13,2
171	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	5.29e-03	0.06	0.06	3d8/25 L=51	2,13,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	5.67e-03	0.06	0.06	3d8/25 L=51	2,13,2
187	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	5.71e-03	0.06	0.06	3d8/25 L=51	2,18,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	6.55e-03	0.06	0.06	3d8/25 L=51	2,13,2
199	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	6.61e-03	0.06	0.06	3d8/25 L=51	2,18,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	8.20e-03	0.06	0.06	3d8/25 L=51	2,13,2
208	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	8.28e-03	0.06	0.05	3d8/25 L=51	2,18,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	3.85e-03	0.06	0.06	3d8/25 L=51	2,13,2
324	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	3.92e-03	0.04	0.02	3d8/25 L=51	2,16,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	0.04	0.10	0.10	3d8/25 L=51	2,2,2
M_T= 5 Z=250.3 N=106 N=506												
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
235	ok,ok	0.0	0.32	6.0	6.0	0.0	0.14	7.06e-03	0.04	0.05	2d8/25 L=49	15,2,2
	s=10,m=1	48.9	0.32	6.0	6.0	0.0	0.14	5.72e-03	0.02	0.02	2d8/25 L=49	2,2,2
189	ok,ok	0.0	0.32	6.0	6.0	0.0	0.14	5.75e-03	0.03	0.03	2d8/25 L=49	2,2,2
	s=10,m=1	48.9	0.32	6.0	6.0	0.0	0.14	4.29e-03	0.03	0.04	2d8/25 L=49	2,2,2
173	ok,ok	0.0	0.32	6.0	6.0	0.0	0.14	4.33e-03	0.02	0.03	2d8/25 L=49	2,2,2
	s=10,m=1	48.9	0.32	6.0	6.0	0.0	0.14	3.37e-03	0.04	0.04	2d8/25 L=49	18,2,2
154	ok,ok	0.0	0.32	6.0	6.0	0.0	0.14	3.40e-03	0.01	0.02	2d8/25 L=49	18,2,2
	s=10,m=1	48.9	0.32	6.0	6.0	0.0	0.09	0.02	0.04	0.05	2d8/25 L=49	2,2,2
129	ok,ok	0.0	0.32	6.0	6.0	0.0	0.09	0.02	8.79e-03	5.69e-03	2d8/25 L=49	2,5,21
	s=10,m=1	48.9	0.32	6.0	6.0	0.0	0.09	0.04	0.06	0.07	2d8/25 L=49	2,2,2
161	ok,ok	0.0	0.32	6.0	6.0	0.0	0.09	0.04	0.02	0.01	2d8/25 L=49	2,8,24
	s=10,m=1	48.9	0.32	6.0	6.0	0.0	0.09	0.08	0.06	0.08	2d8/25 L=49	2,2,2
97	ok,ok	0.0	0.32	6.0	6.0	0.0	0.09	0.08	0.10	0.13	2d8/25 L=49	2,2,2
	s=10,m=1	48.9	0.32	6.0	6.0	0.0	0.14	8.94e-03	0.05	0.06	2d8/25 L=49	8,2,2
60	ok,ok	0.0	0.32	6.0	6.0	0.0	0.09	0.10	0.52	0.20	2d8/8 L=50	8,13,36
	s=10,m=1	144.1	0.32	6.0	6.0	0.0	0.14	0.14	0.41	0.48	2d8/25 L=188	2,13,36
		288.1	0.32	6.0	6.0	0.0	0.09	0.10	0.52	0.20	2d8/8 L=50	5,13,36
346	ok,ok	0.0	0.32	6.0	6.0	0.0	0.09	0.02	0.07	0.07	2d8/25 L=47	5,13,2
	s=10,m=1	46.6	0.32	6.0	6.0	0.0	0.09	0.10	0.12	0.14	2d8/25 L=47	2,2,2
5	ok,ok	0.0	0.32	6.0	6.0	0.0	0.09	0.10	0.09	0.09	2d8/25 L=47	2,13,2
	s=10,m=1	46.6	0.32	6.0	6.0	0.0	0.09	0.06	0.05	0.04	2d8/25 L=47	2,13,5
314	ok,ok	0.0	0.32	6.0	6.0	0.0	0.09	0.06	0.07	0.08	2d8/25 L=47	2,13,2
	s=10,m=1	46.6	0.32	6.0	6.0	0.0	0.09	0.02	0.04	0.02	2d8/25 L=47	2,13,5
287	ok,ok	0.0	0.32	6.0	6.0	0.0	0.09	0.02	0.06	0.06	2d8/25 L=47	2,13,2
	s=10,m=1	46.6	0.32	6.0	6.0	0.0	0.09	5.32e-03	0.03	9.56e-03	2d8/25 L=47	2,18,2
263	ok,ok	0.0	0.32	6.0	6.0	0.0	0.09	5.29e-03	0.05	0.05	2d8/25 L=47	2,13,2
	s=10,m=1	46.6	0.32	6.0	6.0	0.0	0.14	4.39e-03	0.04	0.02	2d8/25 L=47	15,18,2
253	ok,ok	0.0	0.32	6.0	6.0	0.0	0.14	4.37e-03	0.05	0.04	2d8/25 L=47	15,13,2
	s=10,m=1	46.6	0.32	6.0	6.0	0.0	0.14	9.26e-03	0.04	0.03	2d8/25 L=47	2,18,2
M_T= 12 Z=250.0 N=220 N=341												
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
233	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	0.05	0.17	0.02	3d8/25 L=51	2,18,1
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	0.04	0.24	0.13	3d8/25 L=51	2,18,2
251	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	0.04	0.12	0.06	3d8/25 L=51	2,18,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	0.03	0.12	0.05	3d8/25 L=51	2,13,2
278	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	0.03	0.10	0.07	3d8/25 L=51	2,16,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	0.02	0.08	0.04	3d8/25 L=51	2,13,2
306	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	0.02	0.07	0.07	3d8/25 L=51	2,16,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	4.65e-03	0.06	0.05	3d8/25 L=51	2,13,2
338	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	4.62e-03	0.06	0.06	3d8/25 L=51	2,2,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	1.26e-03	0.05	0.05	3d8/25 L=51	2,2,2
316	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	1.25e-03	0.06	0.06	3d8/25 L=51	2,2,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	4.20e-03	0.06	0.05	3d8/25 L=51	2,2,2
61	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	4.18e-03	0.06	0.06	3d8/25 L=51	2,2,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	5.52e-03	0.06	0.06	3d8/25 L=51	2,2,2
112	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	5.50e-03	0.06	0.06	3d8/25 L=51	2,2,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	6.02e-03	0.06	0.06	3d8/25 L=51	2,2,2
15	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	6.01e-03	0.06	0.06	3d8/25 L=51	2,2,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	6.16e-03	0.06	0.06	3d8/25 L=51	2,2,2
56	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	6.15e-03	0.06	0.06	3d8/25 L=51	2,2,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	6.10e-03	0.06	0.06	3d8/25 L=51	2,2,2
94	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	6.12e-03	0.06	0.06	3d8/25 L=51	2,2,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	5.95e-03	0.06	0.06	3d8/25 L=51	2,2,2
126	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	5.96e-03	0.06	0.06	3d8/25 L=51	2,13,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	5.55e-03	0.06	0.06	3d8/25 L=51	2,13,2
152	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	5.57e-03	0.07	0.06	3d8/25 L=51	2,13,2

s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	4.75e-03	0.07	0.06	3d8/25 L=51	2,13,2
172 ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	4.73e-03	0.07	0.05	3d8/25 L=51	2,18,2
s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	2.49e-03	0.07	0.06	3d8/25 L=51	2,13,2
188 ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	2.53e-03	0.08	0.05	3d8/25 L=51	2,18,2
s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	2.32e-03	0.08	0.06	3d8/25 L=51	21,13,2
200 ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	2.34e-03	0.08	0.05	3d8/25 L=51	21,18,2
s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	9.26e-03	0.09	0.06	3d8/25 L=51	2,18,2
83 ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	9.38e-03	0.10	0.05	3d8/25 L=51	2,18,2
s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	0.02	0.11	0.07	3d8/25 L=51	2,18,2
223 ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	0.02	0.16	0.07	3d8/25 L=51	2,17,2
s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	4.96e-03	0.14	0.04	3d8/25 L=51	2,14,2
<div> <div>M_T= 13</div> <div>Z=220.0</div> <div>N=106</div> <div>N=443</div> </div>											
Trave Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
236 ok,ok	0.0	0.48	10.0	10.0	0.0	0.20	0.01	9.94e-03	0.01	4d8/15 L=38	20,2,17
s=5,m=1	37.5	0.48	10.0	10.0	0.0	0.20	0.03	0.02	0.03	4d8/15 L=38	2,2,2
347 ok,ok	0.0	0.48	10.0	10.0	0.0	0.20	0.03	0.01	8.46e-03	4d8/15 L=38	2,20,2
s=5,m=1	37.5	0.48	10.0	10.0	0.0	0.20	0.05	0.02	0.03	4d8/15 L=38	2,2,2
315 ok,ok	0.0	0.48	10.0	10.0	0.0	0.20	0.05	0.03	0.05	4d8/15 L=38	2,2,2
s=5,m=1	37.5	0.48	10.0	10.0	0.0	0.20	4.92e-03	0.02	0.03	4d8/15 L=38	2,20,2
288 ok,ok	0.0	0.48	10.0	10.0	0.0	0.20	0.16	0.20	0.08	4d8/4 L=50	2,20,36
s=5,m=1	128.6	0.48	10.0	10.0	0.0	0.20	0.06	0.17	0.26	4d8/15 L=157	2,20,36
	257.1	0.48	10.0	10.0	0.0	0.20	0.04	0.20	0.08	4d8/4 L=50	20,20,36
27 ok,ok	0.0	0.48	10.0	10.0	0.0	0.20	0.01	0.02	0.01	4d8/15 L=58	1,2,2
s=5,m=1	57.9	0.48	10.0	10.0	0.0	0.20	0.01	0.02	0.01	4d8/15 L=58	2,17,1
339 ok,ok	0.0	0.48	10.0	10.0	0.0	0.20	0.01	0.03	3.16e-03	4d8/15 L=51	2,2,20
s=5,m=1	50.9	0.48	10.0	10.0	0.0	0.20	7.03e-03	0.05	0.02	4d8/15 L=51	2,2,2
155 ok,ok	0.0	0.48	10.0	10.0	0.0	0.20	7.06e-03	0.03	0.01	4d8/15 L=51	2,2,2
s=5,m=1	50.9	0.48	10.0	10.0	0.0	0.20	7.32e-03	0.03	0.01	4d8/15 L=51	2,2,2
130 ok,ok	0.0	0.48	10.0	10.0	0.0	0.20	7.33e-03	0.02	0.01	4d8/15 L=51	2,2,2
s=5,m=1	50.9	0.48	10.0	10.0	0.0	0.20	7.00e-03	0.02	0.01	4d8/15 L=51	2,2,2
100 ok,ok	0.0	0.48	10.0	10.0	0.0	0.20	7.01e-03	0.02	6.34e-03	4d8/15 L=51	2,2,2
s=5,m=1	50.9	0.48	10.0	10.0	0.0	0.20	0.02	0.02	0.02	4d8/15 L=51	2,2,2
63 ok,ok	0.0	0.48	10.0	10.0	0.0	0.20	0.02	0.01	5.06e-03	4d8/15 L=51	2,10,14
s=5,m=1	50.9	0.48	10.0	10.0	0.0	0.20	0.03	0.02	0.02	4d8/15 L=51	2,2,2
24 ok,ok	0.0	0.48	10.0	10.0	0.0	0.20	0.03	0.03	0.04	4d8/15 L=51	2,2,2
s=5,m=1	50.9	0.48	10.0	10.0	0.0	0.20	0.02	0.02	0.02	4d8/15 L=51	2,2,2
111 ok,ok	0.0	0.48	10.0	10.0	0.0	0.20	0.13	0.27	0.11	4d8/4 L=50	15,10,36
s=5,m=1	85.7	0.48	10.0	10.0	0.0	0.20	0.03	0.25	0.39	4d8/15 L=71	14,10,36
	171.4	0.48	10.0	10.0	0.0	0.20	0.07	0.27	0.11	4d8/4 L=50	2,10,36
323 ok,ok	0.0	0.48	10.0	10.0	0.0	0.20	0.06	0.27	0.11	4d8/4 L=50	2,11,36
s=5,m=1	85.5	0.48	10.0	10.0	0.0	0.20	0.05	0.25	0.39	4d8/15 L=71	20,11,36
	171.0	0.48	10.0	10.0	0.0	0.20	0.10	0.27	0.11	4d8/4 L=50	17,11,36
131 ok,ok	0.0	0.48	10.0	10.0	0.0	0.20	0.01	0.02	0.01	4d8/15 L=51	2,2,2
s=5,m=1	51.0	0.48	10.0	10.0	0.0	0.20	0.03	0.03	0.04	4d8/15 L=51	2,2,2
102 ok,ok	0.0	0.48	10.0	10.0	0.0	0.20	0.03	0.02	0.02	4d8/15 L=51	2,2,2
s=5,m=1	51.0	0.48	10.0	10.0	0.0	0.20	0.02	0.01	6.86e-03	4d8/15 L=51	2,8,20
65 ok,ok	0.0	0.48	10.0	10.0	0.0	0.20	0.02	0.02	0.02	4d8/15 L=51	2,2,2
s=5,m=1	51.0	0.48	10.0	10.0	0.0	0.20	7.12e-03	0.02	6.37e-03	4d8/15 L=51	2,11,2
26 ok,ok	0.0	0.48	10.0	10.0	0.0	0.20	7.09e-03	0.02	0.01	4d8/15 L=51	2,2,2
s=5,m=1	51.0	0.48	10.0	10.0	0.0	0.20	3.64e-03	0.02	9.37e-03	4d8/15 L=51	2,2,2
209 ok,ok	0.0	0.48	10.0	10.0	0.0	0.20	3.62e-03	0.03	0.02	4d8/15 L=51	2,2,2
s=5,m=1	51.0	0.48	10.0	10.0	0.0	0.20	5.08e-03	0.03	6.26e-03	4d8/15 L=51	2,2,1
37 ok,ok	0.0	0.48	10.0	10.0	0.0	0.20	5.04e-03	0.05	0.03	4d8/15 L=51	2,2,2
s=5,m=1	51.0	0.48	10.0	10.0	0.0	0.20	0.04	0.04	0.01	4d8/15 L=51	2,2,2
82 ok,ok	0.0	0.48	10.0	10.0	0.0	0.20	0.04	0.04	9.91e-03	4d8/15 L=51	2,2,2
s=5,m=1	51.0	0.48	10.0	10.0	0.0	0.20	5.05e-03	0.05	0.03	4d8/15 L=51	2,2,2
190 ok,ok	0.0	0.48	10.0	10.0	0.0	0.20	5.09e-03	0.03	6.26e-03	4d8/15 L=51	2,2,1
s=5,m=1	51.0	0.48	10.0	10.0	0.0	0.20	3.54e-03	0.03	0.02	4d8/15 L=51	2,2,2
175 ok,ok	0.0	0.48	10.0	10.0	0.0	0.20	3.56e-03	0.02	9.42e-03	4d8/15 L=51	2,2,2
s=5,m=1	51.0	0.48	10.0	10.0	0.0	0.20	6.90e-03	0.03	0.01	4d8/15 L=51	2,2,2
157 ok,ok	0.0	0.48	10.0	10.0	0.0	0.20	6.93e-03	0.02	6.42e-03	4d8/15 L=51	2,2,2
s=5,m=1	51.0	0.48	10.0	10.0	0.0	0.20	0.02	0.02	0.02	4d8/15 L=51	2,2,2
132 ok,ok	0.0	0.48	10.0	10.0	0.0	0.20	0.02	0.02	6.44e-03	4d8/15 L=51	2,10,14
s=5,m=1	51.0	0.48	10.0	10.0	0.0	0.20	0.03	0.02	0.02	4d8/15 L=51	2,2,2
104 ok,ok	0.0	0.48	10.0	10.0	0.0	0.20	0.03	0.03	0.04	4d8/15 L=51	2,2,2
s=5,m=1	51.0	0.48	10.0	10.0	0.0	0.20	0.01	0.02	0.01	4d8/15 L=51	2,2,2
67 ok,ok	0.0	0.48	10.0	10.0	0.0	0.20	0.10	0.27	0.11	4d8/4 L=50	15,5,36
s=5,m=1	85.5	0.48	10.0	10.0	0.0	0.20	0.05	0.25	0.39	4d8/15 L=71	14,5,36
	171.0	0.48	10.0	10.0	0.0	0.20	0.06	0.27	0.11	4d8/4 L=50	2,5,36
348 ok,ok	0.0	0.48	10.0	10.0	0.0	0.20	0.07	0.27	0.11	4d8/4 L=50	2,8,36
s=5,m=1	85.5	0.48	10.0	10.0	0.0	0.20	0.04	0.25	0.39	4d8/15 L=71	20,8,36
	171.0	0.48	10.0	10.0	0.0	0.20	0.13	0.27	0.11	4d8/4 L=50	17,8,36
176 ok,ok	0.0	0.48	10.0	10.0	0.0	0.20	0.02	0.02	0.02	4d8/15 L=51	2,2,2
s=5,m=1	51.0	0.48	10.0	10.0	0.0	0.20	0.03	0.03	0.04	4d8/15 L=51	2,2,2
158 ok,ok	0.0	0.48	10.0	10.0	0.0	0.20	0.03	0.02	0.02	4d8/15 L=51	2,2,2
s=5,m=1	51.0	0.48	10.0	10.0	0.0	0.20	0.02	0.01	4.90e-03	4d8/15 L=51	2,8,20

133	ok,ok	0.0	0.48	10.0	10.0	0.0	0.20	0.02	0.02	0.02	4d8/15 L=51	2,2,2
	s=5,m=1	51.0	0.48	10.0	10.0	0.0	0.20	6.38e-03	0.01	5.38e-03	4d8/15 L=51	2,8,1
105	ok,ok	0.0	0.48	10.0	10.0	0.0	0.20	6.35e-03	0.02	0.01	4d8/15 L=51	2,2,2
	s=5,m=1	51.0	0.48	10.0	10.0	0.0	0.20	3.15e-03	0.02	9.51e-03	4d8/15 L=51	2,2,2
68	ok,ok	0.0	0.48	10.0	10.0	0.0	0.20	3.14e-03	0.03	0.02	4d8/15 L=51	2,2,2
	s=5,m=1	51.0	0.48	10.0	10.0	0.0	0.20	3.66e-03	0.02	7.31e-03	4d8/15 L=51	2,2,2
32	ok,ok	0.0	0.48	10.0	10.0	0.0	0.20	3.64e-03	0.05	0.03	4d8/15 L=51	2,2,2
	s=5,m=1	51.0	0.48	10.0	10.0	0.0	0.20	0.03	0.03	5.47e-03	4d8/15 L=51	2,2,2
16	ok,ok	0.0	0.48	10.0	10.0	0.0	0.20	0.03	0.03	7.51e-03	4d8/15 L=48	2,2,2
	s=5,m=1	48.2	0.48	10.0	10.0	0.0	0.20	4.99e-03	0.05	0.03	4d8/15 L=48	2,2,2
177	ok,ok	0.0	0.48	10.0	10.0	0.0	0.20	5.02e-03	0.02	6.37e-03	4d8/15 L=48	2,2,1
	s=5,m=1	48.2	0.48	10.0	10.0	0.0	0.20	2.07e-03	0.03	0.02	4d8/15 L=48	2,2,2
159	ok,ok	0.0	0.48	10.0	10.0	0.0	0.20	2.08e-03	0.02	0.01	4d8/15 L=48	2,2,2
	s=5,m=1	48.2	0.48	10.0	10.0	0.0	0.20	2.13e-03	0.02	0.01	4d8/15 L=48	2,2,2
134	ok,ok	0.0	0.48	10.0	10.0	0.0	0.20	2.14e-03	0.02	0.01	4d8/15 L=48	2,2,2
	s=5,m=1	48.2	0.48	10.0	10.0	0.0	0.20	1.39e-03	0.02	0.01	4d8/15 L=48	2,2,2
106	ok,ok	0.0	0.48	10.0	10.0	0.0	0.20	1.39e-03	0.02	0.01	4d8/15 L=48	2,2,2
	s=5,m=1	48.2	0.48	10.0	10.0	0.0	0.20	8.03e-04	0.02	0.01	4d8/15 L=48	5,2,2
70	ok,ok	0.0	0.48	10.0	10.0	0.0	0.20	8.05e-04	0.02	0.01	4d8/15 L=48	5,2,2
	s=5,m=1	48.2	0.48	10.0	10.0	0.0	0.20	4.04e-03	0.02	0.01	4d8/15 L=48	17,2,2
57	ok,ok	0.0	0.48	10.0	10.0	0.0	0.20	4.04e-03	0.02	0.01	4d8/15 L=48	17,15,15
	s=5,m=1	48.2	0.48	10.0	10.0	0.0	0.20	0.01	0.02	0.01	4d8/15 L=48	13,2,14
M_T= 12 Z=280.0 N=44 N=506												
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
237	ok,ok	0.0	0.41	6.0	6.0	0.0	0.13	4.93e-03	0.03	0.01	2d8/25 L=56	14,17,2
	s=4,m=1	55.8	0.41	6.0	6.0	0.0	0.11	3.98e-03	0.03	0.02	2d8/25 L=56	19,17,2
265	ok,ok	0.0	0.41	6.0	6.0	0.0	0.11	3.98e-03	0.03	0.02	2d8/25 L=56	19,17,2
	s=4,m=1	55.8	0.41	6.0	6.0	0.0	0.11	6.53e-03	0.03	0.02	2d8/25 L=56	2,17,2
294	ok,ok	0.0	0.41	6.0	6.0	0.0	0.11	6.55e-03	0.02	7.88e-03	2d8/25 L=45	2,17,17
	s=4,m=1	45.0	0.41	6.0	6.0	0.0	0.11	0.01	0.03	0.03	2d8/25 L=45	2,17,2
326	ok,ok	0.0	0.41	6.0	6.0	0.0	0.11	0.01	0.03	0.02	2d8/25 L=45	2,17,20
	s=4,m=1	45.0	0.41	6.0	6.0	0.0	0.11	0.03	0.03	0.04	2d8/25 L=45	2,2,2
20	ok,ok	0.0	0.41	6.0	6.0	0.0	0.11	0.03	0.03	0.02	2d8/25 L=40	2,17,20
	s=4,m=1	40.3	0.41	6.0	6.0	0.0	0.11	0.05	0.04	0.04	2d8/25 L=40	20,20,20
41	ok,ok	0.0	0.41	6.0	6.0	0.0	0.11	0.05	0.06	0.07	2d8/25 L=40	20,2,2
	s=4,m=1	40.3	0.41	6.0	6.0	0.0	0.11	0.02	0.04	0.05	2d8/25 L=40	12,20,20
192	ok,ok	0.0	0.41	6.0	6.0	0.0	0.13	0.18	0.68	0.31	2d8/8 L=50	19,13,36
	s=4,m=1	72.7	0.41	6.0	6.0	0.0	0.13	0.10	0.66	0.94	2d8/25 L=45	19,13,36
		145.4	0.41	6.0	6.0	0.0	0.11	0.06	0.68	0.31	2d8/8 L=50	1,13,36
255	ok,ok	0.0	0.41	6.0	6.0	0.0	0.11	0.11	0.28	0.13	2d8/8 L=50	16,8,36
	s=4,m=1	238.5	0.41	6.0	6.0	0.0	0.13	0.14	0.21	0.29	2d8/25 L=377	2,8,36
		477.0	0.41	6.0	6.0	0.0	0.11	0.21	0.28	0.13	2d8/8 L=50	2,8,36
280	ok,ok	0.0	0.41	6.0	6.0	0.0	0.11	0.21	0.28	0.13	2d8/8 L=50	2,10,36
	s=4,m=1	238.5	0.41	6.0	6.0	0.0	0.13	0.10	0.20	0.29	2d8/25 L=377	2,10,36
		477.0	0.41	6.0	6.0	0.0	0.11	0.19	0.28	0.13	2d8/8 L=50	2,10,36
308	ok,ok	0.0	0.41	6.0	6.0	0.0	0.11	0.18	0.27	0.13	2d8/8 L=50	2,8,36
	s=4,m=1	238.5	0.41	6.0	6.0	0.0	0.13	0.10	0.20	0.29	2d8/25 L=377	2,10,36
		477.0	0.41	6.0	6.0	0.0	0.11	0.21	0.27	0.13	2d8/8 L=50	2,8,36
340	ok,ok	0.0	0.41	6.0	6.0	0.0	0.11	0.20	0.28	0.13	2d8/8 L=50	2,5,36
	s=4,m=1	238.5	0.41	6.0	6.0	0.0	0.13	0.14	0.21	0.29	2d8/25 L=377	2,5,36
		477.0	0.41	6.0	6.0	0.0	0.11	0.13	0.28	0.13	2d8/8 L=50	18,5,36
350	ok,ok	0.0	0.41	6.0	6.0	0.0	0.11	0.08	0.86	0.40	2d8/8 L=114	9,15,36
	s=4,m=1	113.7	0.41	6.0	6.0	0.0	0.11	0.19	0.86	0.40	2d8/8 L=114	13,15,36
17	ok,ok	0.0	0.41	6.0	6.0	0.0	0.11	0.03	0.05	0.07	2d8/25 L=25	2,2,14
	s=4,m=1	24.8	0.41	6.0	6.0	0.0	0.11	0.06	0.06	0.08	2d8/25 L=25	14,2,14
58	ok,ok	0.0	0.41	6.0	6.0	0.0	0.11	0.06	0.04	0.04	2d8/25 L=45	14,2,13
	s=4,m=1	45.0	0.41	6.0	6.0	0.0	0.11	0.04	0.03	0.02	2d8/25 L=45	14,19,13
95	ok,ok	0.0	0.41	6.0	6.0	0.0	0.11	0.04	0.04	0.04	2d8/25 L=45	14,2,2
	s=4,m=1	45.0	0.41	6.0	6.0	0.0	0.11	0.02	0.03	0.02	2d8/25 L=45	2,19,13
127	ok,ok	0.0	0.41	6.0	6.0	0.0	0.11	0.02	0.03	0.03	2d8/25 L=54	2,2,2
	s=4,m=1	54.5	0.41	6.0	6.0	0.0	0.11	4.42e-03	0.03	9.67e-03	2d8/25 L=54	2,15,7
153	ok,ok	0.0	0.41	6.0	6.0	0.0	0.11	4.41e-03	0.03	0.02	2d8/25 L=54	2,15,2
	s=4,m=1	54.5	0.41	6.0	6.0	0.0	0.13	4.03e-03	0.02	0.01	2d8/25 L=54	20,15,2
M_T= 15 Z=250.0 N=624 N=1058												
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
234	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	0.02	0.18	0.02	3d8/25 L=51	15,13,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	0.02	0.22	0.08	3d8/25 L=51	2,13,2
128	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	0.02	0.14	0.05	3d8/25 L=51	2,18,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	0.02	0.13	0.04	3d8/25 L=51	2,13,2
96	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	0.02	0.11	0.06	3d8/25 L=51	2,2,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	7.95e-03	0.10	0.04	3d8/25 L=51	2,2,2
137	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	7.93e-03	0.09	0.05	3d8/25 L=51	2,2,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	2.08e-03	0.08	0.04	3d8/25 L=51	8,2,2
59	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	2.07e-03	0.08	0.05	3d8/25 L=51	8,2,2
	s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	1.92e-03	0.07	0.05	3d8/25 L=51	2,2,2
110	ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	1.91e-03	0.07	0.05	3d8/25 L=51	2,2,2

s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	3.66e-03	0.07	0.05	3d8/25 L=51	2,2,2
140 ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	3.67e-03	0.06	0.05	3d8/25 L=51	2,2,2
s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	4.40e-03	0.06	0.05	3d8/25 L=51	2,2,2
19 ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	4.39e-03	0.06	0.05	3d8/25 L=51	2,2,2
s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	4.68e-03	0.06	0.05	3d8/25 L=51	2,2,2
72 ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	4.68e-03	0.06	0.05	3d8/25 L=51	2,2,2
s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	4.69e-03	0.06	0.05	3d8/25 L=51	2,2,2
43 ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	4.69e-03	0.05	0.05	3d8/25 L=51	2,2,2
s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	4.82e-03	0.05	0.05	3d8/25 L=51	2,2,2
144 ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	4.79e-03	0.05	0.05	3d8/25 L=51	2,16,2
s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	4.64e-03	0.05	0.05	3d8/25 L=51	2,16,2
69 ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	4.69e-03	0.05	0.05	3d8/25 L=51	2,13,2
s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	4.30e-03	0.05	0.05	3d8/25 L=51	2,13,2
345 ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	4.31e-03	0.05	0.05	3d8/25 L=51	2,14,2
s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	4.45e-03	0.05	0.05	3d8/25 L=51	2,14,2
217 ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	4.43e-03	0.06	0.05	3d8/25 L=51	2,14,2
s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	4.74e-03	0.05	0.05	3d8/25 L=51	2,14,2
313 ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	4.77e-03	0.06	0.05	3d8/25 L=51	2,14,2
s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	5.28e-03	0.06	0.05	3d8/25 L=51	2,14,2
286 ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	5.34e-03	0.06	0.05	3d8/25 L=51	2,14,2
s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	6.42e-03	0.06	0.05	3d8/25 L=51	2,14,2
262 ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	6.48e-03	0.05	0.05	3d8/25 L=51	2,14,2
s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	2.73e-03	0.06	0.05	3d8/25 L=51	2,2,2
252 ok,ok	0.0	0.72	6.0	6.0	0.0	0.15	2.77e-03	0.04	0.02	3d8/25 L=51	2,14,2
s=1,m=1	50.6	0.72	6.0	6.0	0.0	0.15	0.04	0.09	0.08	3d8/25 L=51	2,2,2

Trave	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc
	0.72	10.05	10.05	0.0	0.20	0.46	1.00	0.94

Trave	M negativo	iM positivo	iM negativo	fM positivo	fLuce per V	V M-i	M+f	V M+i	M-f	VEd,min	VEd,max	Vr1	As
	daN cm	daN cm	daN cm	daN cm	cm		daN		daN	daN	daN	daN	cm2
60	8.302e+05	7.912e+05	8.302e+05	7.912e+05	288.12	6190.26	6190.26	0.0	0.0	0.0	0.0	0.0	0.0
67	7.196e+05	7.196e+05	7.196e+05	7.196e+05	171.00	9258.54	9258.54	0.0	0.0	0.0	0.0	0.0	0.0
107	8.218e+05	7.730e+05	8.218e+05	7.730e+05	209.84	8360.11	8360.11	0.0	0.0	0.0	0.0	0.0	0.0
111	7.196e+05	7.196e+05	7.196e+05	7.196e+05	171.43	9235.24	9235.24	0.0	0.0	0.0	0.0	0.0	0.0
192	8.145e+05	7.949e+05	8.145e+05	7.949e+05	145.37	1.218e+04	1.218e+04	0.0	0.0	0.0	0.0	0.0	0.0
216	8.218e+05	7.730e+05	8.218e+05	7.730e+05	100.22	1.750e+04	1.750e+04	0.0	0.0	0.0	0.0	0.0	0.0
255	8.145e+05	7.949e+05	8.145e+05	7.949e+05	477.00	3711.32	3711.32	0.0	0.0	0.0	0.0	0.0	0.0
280	8.145e+05	7.949e+05	8.145e+05	7.949e+05	477.00	3711.32	3711.32	0.0	0.0	0.0	0.0	0.0	0.0
288	7.196e+05	7.196e+05	7.196e+05	7.196e+05	257.11	6157.77	6157.77	0.0	0.0	0.0	0.0	0.0	0.0
308	8.145e+05	7.949e+05	8.145e+05	7.949e+05	477.00	3711.32	3711.32	0.0	0.0	0.0	0.0	0.0	0.0
323	7.196e+05	7.196e+05	7.196e+05	7.196e+05	171.00	9258.49	9258.49	0.0	0.0	0.0	0.0	0.0	0.0
340	8.145e+05	7.949e+05	8.145e+05	7.949e+05	477.00	3711.32	3711.32	0.0	0.0	0.0	0.0	0.0	0.0
348	7.196e+05	7.196e+05	7.196e+05	7.196e+05	171.00	9258.49	9258.49	0.0	0.0	0.0	0.0	0.0	0.0
350	8.145e+05	7.949e+05	8.145e+05	7.949e+05	113.70	1.557e+04	1.557e+04	0.0	0.0	0.0	0.0	0.0	0.0

Trave	M negativo	iM positivo	iM negativo	fM positivo	f	V M-i	M+f	V M+i	M-f	VEd,min	VEd,max	Vr1	As
	8.302e+05	7.949e+05	8.302e+05	7.949e+05		1.750e+04	1.750e+04			0.0	0.0	0.0	0.0

STATI LIMITE D' ESERCIZIO

In tabella vengono riportati i valori di interesse per il controllo degli stati limite d'esercizio. In particolare vengono riportati, in relazione al tipo di elemento strutturale, i risultati relativi alle tre categorie di combinazione considerate:

- Combinazioni rare
- Combinazioni frequenti
- Combinazioni quasi permanenti.

I valori di interesse sono i seguenti:

rRfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni rare[normalizzato a 1]
rRfyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni rare[normalizzato a 1]
rPfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni quasi permanenti[normalizzato a 1]
wR	apertura caratteristica delle fessure in combinazioni rare [mm]
wF	apertura caratteristica delle fessure in combinazioni frequenti[mm]
wP	apertura caratteristica delle fessure in combinazioni quasi permanenti [mm]
dR	massima deformazione in combinazioni rare
dF	massima deformazione in combinazioni frequenti
dP	massima deformazione in combinazioni quasi permanenti

Per ognuno dei nove valori soprariportati viene indicata (Rif.cmb) la combinazione in cui si è verificato. In relazione al tipo di elemento strutturale i valori sono selezionati nel modo seguente:

pilastri	rRfck	rRfyk	rPfck	per sezioni significative
travi	rRfck wR dR	rRfyk wF dF	rPfck wP dP	per sezioni significative per sezioni significative massimi in campata
setti e gusci	rRfck wR	rRfyk wF	rPfck wP	massimi nei nodi dell'elemento massimi nei nodi dell'elemento

Si precisa che i valori di massima deformazione per travi sono riferiti al piano verticale (piano locale 1-2 con momenti flettenti 3-3).

Trave	Pos. cm	rRfck	rRfyk	rPfck	Rif. cmb	wR mm	wF mm	wP mm	Rif. cmb	dR cm	dF cm	dP cm	Rif. cmb
1	0.0	8.73e-03	0.02	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-4.31e-03	-4.22e-03	-4.19e-03	70,72,73
	50.6	1.85e-03	6.84e-03	1.84e-03	70,69,73	0.0	0.0	0.0	0,0,0				
2	0.0	7.37e-03	4.33e-03	8.42e-03	70,70,73	0.0	0.0	0.0	0,0,0	-3.47e-03	-3.28e-03	-3.23e-03	70,72,73
	50.6	8.45e-03	4.94e-03	9.66e-03	70,70,73	0.0	0.0	0.0	0,0,0				
3	0.0	0.01	0.04	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-1.30e-04	-1.30e-04	-1.30e-04	69,71,73
	48.3	0.0	0.02	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
4	0.0	8.41e-03	4.91e-03	9.72e-03	70,70,73	0.0	0.0	0.0	0,0,0	-3.54e-03	-3.54e-03	-3.54e-03	69,71,73
	50.6	9.21e-03	5.38e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
5	0.0	0.03	0.10	0.04	70,70,73	0.0	0.0	0.0	0,0,0	-8.45e-04	-8.45e-04	-8.45e-04	69,71,73
	46.6	0.01	0.07	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
6	0.0	0.0	0.12	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-6.58e-03	-6.47e-03	-6.44e-03	70,72,73
	50.4	0.0	0.11	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
7	0.0	0.02	0.05	0.02	70,70,73	0.0	0.0	0.0	0,0,0	3.47e-03	3.44e-03	3.43e-03	70,72,73
	48.2	0.01	0.04	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
8	0.0	0.0	0.13	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-4.36e-03	-4.22e-03	-4.19e-03	70,72,73
	50.4	0.0	0.13	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
9	0.0	0.0	0.13	0.0	0,70,0	0.0	0.0	0.0	0,0,0	5.59e-03	5.59e-03	5.59e-03	69,71,73
	50.4	0.0	0.13	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
10	0.0	0.0	0.13	0.0	0,70,0	0.0	0.0	0.0	0,0,0	5.29e-03	5.29e-03	5.29e-03	69,71,73
	50.4	0.0	0.13	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
11	0.0	0.0	0.13	0.0	0,70,0	0.0	0.0	0.0	0,0,0	5.97e-03	5.97e-03	5.97e-03	69,71,73
	50.4	0.0	0.13	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
12	0.0	0.0	0.11	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-5.87e-03	-5.84e-03	-5.83e-03	70,72,73
	50.4	0.0	0.11	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
13	0.0	9.64e-03	5.66e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-2.04e-03	-2.00e-03	-1.99e-03	70,72,73
	50.6	0.01	6.02e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
14	0.0	9.66e-03	5.66e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-3.10e-03	-3.10e-03	-3.10e-03	69,71,73
	50.6	0.01	6.04e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
15	0.0	0.01	6.18e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-3.38e-03	-3.38e-03	-3.38e-03	69,71,73
	50.6	0.01	6.59e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
16	0.0	0.02	8.43e-03	0.02	70,70,73	0.0	0.0	0.0	0,0,0	3.50e-03	2.96e-03	2.82e-03	70,72,73
	48.2	6.50e-03	3.67e-03	7.43e-03	70,70,73	0.0	0.0	0.0	0,0,0				
17	0.0	0.01	0.03	0.01	70,70,73	0.0	0.0	0.0	0,0,0	2.74e-03	2.33e-03	2.22e-03	70,72,73
	24.8	0.02	0.04	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
18	0.0	0.03	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0	-5.01e-04	-5.01e-04	-5.01e-04	69,71,73
	50.6	0.02	0.04	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
19	0.0	7.18e-03	4.20e-03	8.20e-03	70,70,73	0.0	0.0	0.0	0,0,0	-3.73e-03	-3.66e-03	-3.64e-03	70,72,73
	50.6	7.84e-03	4.59e-03	8.95e-03	70,70,73	0.0	0.0	0.0	0,0,0				
20	0.0	0.01	0.03	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-2.31e-03	-2.02e-03	-1.95e-03	70,72,73
	40.3	0.02	0.05	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
21	0.0	0.04	0.18	0.05	70,70,73	0.0	0.0	0.0	0,0,0	4.25e-03	3.94e-03	3.86e-03	70,72,73
	50.9	0.02	0.12	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
22	0.0	0.0	0.11	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-2.93e-04	-2.93e-04	-2.93e-04	69,71,73
	51.0	0.0	0.12	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
23	0.0	0.0	0.08	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-3.73e-03	-3.29e-03	-3.18e-03	70,72,73
	51.0	0.0	0.09	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
24	0.0	0.02	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0	-5.47e-03	-5.01e-03	-4.89e-03	70,72,73
	50.9	0.01	0.01	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
25	0.0	0.0	0.02	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-5.01e-03	-4.24e-03	-4.05e-03	70,72,73
	48.2	0.0	0.03	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
26	0.0	4.64e-03	2.35e-03	5.26e-03	70,70,73	0.0	0.0	0.0	0,0,0	-1.06e-03	-1.03e-03	-1.02e-03	70,72,73
	51.0	3.38e-03	1.83e-03	3.67e-03	70,70,73	0.0	0.0	0.0	0,0,0				
27	0.0	6.73e-03	4.14e-03	8.98e-03	69,69,73	0.0	0.0	0.0	0,0,0	3.70e-04	3.70e-04	3.70e-04	69,71,73
	57.9	6.27e-03	2.57e-03	4.54e-03	70,70,73	0.0	0.0	0.0	0,0,0				
28	0.0	0.0	0.09	0.0	0,70,0	0.0	0.0	0.0	0,0,0	1.98e-03	1.94e-03	1.93e-03	70,72,73
	51.0	0.0	0.09	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
29	0.0	0.01	6.49e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-2.71e-03	-2.71e-03	-2.71e-03	69,71,73
	50.6	0.01	6.85e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
30	0.0	0.0	7.07e-03	0.0	0,70,0	0.0	0.0	0.0	0,0,0	4.29e-03	3.80e-03	3.67e-03	70,72,73
	48.3	0.02	0.06	0.03	70,70,73	0.0	0.0	0.0	0,0,0				

31	0.0	0.01	6.06e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-2.52e-03	-2.43e-03	-2.41e-03	70,72,73
	50.6	0.01	6.40e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
32	0.0	5.42e-03	3.10e-03	6.16e-03	70,70,73	0.0	0.0	0.0	0,0,0	1.75e-03	1.41e-03	1.32e-03	70,72,73
	51.0	0.02	7.92e-03	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
33	0.0	3.44e-03	2.85e-03	4.10e-03	70,69,73	0.0	0.0	0.0	0,0,0	-4.63e-03	-4.52e-03	-4.49e-03	70,72,73
	50.6	1.59e-03	9.20e-04	1.60e-03	70,70,73	0.0	0.0	0.0	0,0,0				
34	0.0	0.01	0.09	0.01	70,70,73	0.0	0.0	0.0	0,0,0	4.52e-03	3.79e-03	3.61e-03	70,72,73
	48.2	0.0	0.07	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
35	0.0	3.52e-04	0.03	4.69e-04	69,70,73	0.0	0.0	0.0	0,0,0	1.43e-03	3.80e-04	1.17e-04	70,72,73
	50.4	0.0	0.02	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
36	0.0	0.04	0.13	0.04	70,70,73	0.0	0.0	0.0	0,0,0	0.08	-0.07	-0.07	70,72,73
	128.6	0.04	0.13	0.05	70,70,73	0.0	0.0	0.0	0,0,0				
	257.1	0.07	0.20	0.08	70,70,73	0.0	0.0	0.0	0,0,0				
37	0.0	6.71e-03	3.79e-03	7.64e-03	70,70,73	0.0	0.0	0.0	0,0,0	-8.80e-04	-8.57e-04	-8.51e-04	70,72,73
	51.0	0.02	0.01	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
38	0.0	7.29e-03	0.02	8.73e-03	70,70,73	0.0	0.0	0.0	0,0,0	3.40e-04	2.31e-04	2.03e-04	70,72,73
	46.5	9.63e-03	0.03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
39	0.0	0.0	0.13	0.0	0,70,0	0.0	0.0	0.0	0,0,0	5.16e-03	4.93e-03	4.88e-03	70,72,73
	50.4	0.0	0.13	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
40	0.0	0.0	0.06	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-3.41e-03	-2.56e-03	-2.34e-03	70,72,73
	51.0	0.0	0.05	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
41	0.0	0.02	0.05	0.02	70,70,73	0.0	0.0	0.0	0,0,0	-3.91e-03	-3.40e-03	-3.27e-03	70,72,73
	40.3	2.42e-03	0.02	2.43e-03	70,70,73	0.0	0.0	0.0	0,0,0				
42	0.0	0.03	0.09	0.04	70,70,73	0.0	0.0	0.0	0,0,0	6.67e-04	3.73e-04	-3.01e-04	70,72,73
	48.8	0.03	0.09	0.04	70,70,73	0.0	0.0	0.0	0,0,0				
43	0.0	8.49e-03	4.99e-03	9.72e-03	70,70,73	0.0	0.0	0.0	0,0,0	-2.92e-03	-2.92e-03	-2.92e-03	69,71,73
	50.6	9.07e-03	5.34e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
44	0.0	6.39e-03	3.73e-03	7.34e-03	70,70,73	0.0	0.0	0.0	0,0,0	-3.94e-03	-3.94e-03	-3.94e-03	69,71,73
	50.6	7.57e-03	4.38e-03	8.71e-03	70,70,73	0.0	0.0	0.0	0,0,0				
45	0.0	0.0	0.07	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-9.31e-04	-7.98e-04	-7.65e-04	70,72,73
	50.9	0.0	0.05	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
46	0.0	3.21e-04	7.46e-03	0.0	70,70,0	0.0	0.0	0.0	0,0,0	-2.01e-03	-1.73e-03	-1.66e-03	70,72,73
	45.0	1.87e-03	0.01	0.0	70,70,0	0.0	0.0	0.0	0,0,0				
47	0.0	0.0	0.12	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-7.45e-03	-7.24e-03	-7.19e-03	70,72,73
	50.4	0.0	0.11	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
48	0.0	0.01	0.04	0.02	70,70,73	0.0	0.0	0.0	0,0,0	2.48e-03	2.48e-03	2.48e-03	69,71,73
	48.2	8.41e-03	0.03	9.87e-03	70,70,73	0.0	0.0	0.0	0,0,0				
49	0.0	0.0	0.12	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-3.60e-03	-3.55e-03	-3.54e-03	70,72,73
	50.4	0.0	0.12	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
50	0.0	0.0	0.13	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-5.00e-03	-5.00e-03	-5.00e-03	69,71,73
	50.4	0.0	0.13	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
51	0.0	0.0	0.13	0.0	0,70,0	0.0	0.0	0.0	0,0,0	4.64e-03	4.64e-03	4.64e-03	69,71,73
	50.4	0.0	0.13	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
52	0.0	0.0	0.13	0.0	0,70,0	0.0	0.0	0.0	0,0,0	5.36e-03	5.36e-03	5.36e-03	69,71,73
	50.4	0.0	0.13	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
53	0.0	0.0	0.11	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-5.26e-03	-5.26e-03	-5.26e-03	69,71,73
	50.4	0.0	0.11	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
54	0.0	0.01	7.12e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-1.57e-03	-1.57e-03	-1.57e-03	69,71,73
	50.6	0.01	7.44e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
55	0.0	0.01	6.07e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-2.66e-03	-2.66e-03	-2.66e-03	69,71,73
	50.6	0.01	6.41e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
56	0.0	0.01	6.66e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-2.90e-03	-2.90e-03	-2.90e-03	69,71,73
	50.6	0.01	7.02e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
57	0.0	9.18e-04	4.69e-04	9.56e-04	70,70,73	0.0	0.0	0.0	0,0,0	3.30e-03	2.83e-03	2.72e-03	70,72,73
	48.2	3.64e-03	2.78e-03	4.21e-03	70,70,73	0.0	0.0	0.0	0,0,0				
58	0.0	0.02	0.05	0.02	70,70,73	0.0	0.0	0.0	0,0,0	3.21e-03	2.68e-03	2.54e-03	70,72,73
	45.0	0.01	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
59	0.0	3.19e-03	1.88e-03	3.65e-03	70,70,73	0.0	0.0	0.0	0,0,0	-4.64e-03	-4.46e-03	-4.41e-03	70,72,73
	50.6	3.75e-03	2.22e-03	4.10e-03	70,70,73	0.0	0.0	0.0	0,0,0				
60	0.0	0.03	0.09	0.04	70,70,73	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	70,72,73
	144.1	0.09	0.13	0.11	70,70,73	0.0	0.0	0.0	0,0,0				
	288.1	0.04	0.09	0.04	70,70,73	0.0	0.0	0.0	0,0,0				
61	0.0	7.02e-03	4.11e-03	8.04e-03	70,70,73	0.0	0.0	0.0	0,0,0	-4.27e-03	-4.27e-03	-4.27e-03	69,71,73
	50.6	8.28e-03	4.81e-03	9.50e-03	70,70,73	0.0	0.0	0.0	0,0,0				
62	0.0	0.0	0.09	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-3.14e-03	-2.71e-03	-2.60e-03	70,72,73
	51.0	0.0	0.09	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
63	0.0	9.55e-03	0.01	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-2.86e-03	-2.64e-03	-2.59e-03	70,72,73
	50.9	0.02	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
64	0.0	0.0	0.03	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-4.66e-03	-4.00e-03	-3.83e-03	70,72,73
	48.2	0.0	0.02	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
65	0.0	9.72e-03	7.14e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-4.53e-04	-4.53e-04	-4.53e-04	69,71,73
	51.0	4.26e-03	1.91e-03	4.99e-03	70,70,73	0.0	0.0	0.0	0,0,0				
66	0.0	0.0	0.09	0.0	0,70,0	0.0	0.0	0.0	0,0,0	2.63e-03	2.58e-03	2.57e-03	70,72,73
	51.0	0.0	0.08	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
67	0.0	0.05	0.05	0.06	70,70,73	0.0	0.0	0.0	0,0,0	-8.23e-03	-7.32e-03	-7.09e-03	70,72,73
	85.5	0.03	0.02	0.03	70,70,73	0.0	0.0	0.0	0,0,0				

	171.0	0.04	0.03	0.04	70,70,73	0.0	0.0	0.0	0,0,0				
68	0.0	4.05e-03	2.29e-03	4.49e-03	70,70,73	0.0	0.0	0.0	0,0,0	1.39e-03	1.09e-03	1.01e-03	70,72,73
	51.0	4.26e-03	2.37e-03	4.79e-03	70,70,73	0.0	0.0	0.0	0,0,0				
69	0.0	8.87e-03	5.23e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-2.20e-03	-2.20e-03	-2.20e-03	69,71,73
	50.6	9.19e-03	5.45e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
70	0.0	1.16e-03	6.96e-04	1.23e-03	70,70,73	0.0	0.0	0.0	0,0,0	3.43e-03	2.93e-03	2.81e-03	70,72,73
	48.2	1.51e-03	8.37e-04	1.65e-03	70,70,73	0.0	0.0	0.0	0,0,0				
71	0.0	0.02	0.04	0.02	70,70,73	0.0	0.0	0.0	0,0,0	-3.10e-03	-3.08e-03	-3.08e-03	70,72,73
	50.6	7.15e-03	0.02	8.54e-03	70,70,73	0.0	0.0	0.0	0,0,0				
72	0.0	8.06e-03	4.73e-03	9.23e-03	70,70,73	0.0	0.0	0.0	0,0,0	-3.32e-03	-3.29e-03	-3.28e-03	70,72,73
	50.6	8.58e-03	5.05e-03	9.81e-03	70,70,73	0.0	0.0	0.0	0,0,0				
73	0.0	0.0	0.08	0.0	0,70,0	0.0	0.0	0.0	0,0,0	4.38e-03	3.95e-03	3.84e-03	70,72,73
	51.0	0.0	0.08	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
74	0.0	0.02	0.06	0.03	70,70,73	0.0	0.0	0.0	0,0,0	1.55e-03	1.29e-03	1.22e-03	70,72,73
	48.3	0.01	0.04	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
75	0.0	9.50e-03	0.06	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-4.88e-03	-4.08e-03	-3.87e-03	70,72,73
	50.4	0.0	0.03	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
76	0.0	1.33e-03	0.01	0.0	70,70,0	0.0	0.0	0.0	0,0,0	2.35e-03	1.94e-03	1.84e-03	70,72,73
	45.0	2.61e-03	0.02	0.0	70,70,0	0.0	0.0	0.0	0,0,0				
77	0.0	7.11e-03	0.03	8.76e-03	70,70,73	0.0	0.0	0.0	0,0,0	-8.76e-04	-8.76e-04	-8.76e-04	69,71,73
	46.5	0.01	0.04	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
78	0.0	0.0	0.14	0.0	0,70,0	0.0	0.0	0.0	0,0,0	6.25e-03	6.25e-03	6.25e-03	69,71,73
	50.4	0.0	0.13	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
79	0.0	0.0	0.07	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-3.63e-03	-2.98e-03	-2.81e-03	70,72,73
	51.0	4.21e-03	0.08	5.18e-03	70,70,73	0.0	0.0	0.0	0,0,0				
80	0.0	5.23e-03	0.02	6.28e-03	70,70,73	0.0	0.0	0.0	0,0,0	-3.14e-03	-2.52e-03	-2.36e-03	70,72,73
	48.2	0.0	2.42e-03	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
81	0.0	0.03	0.09	0.04	70,70,73	0.0	0.0	0.0	0,0,0	2.89e-03	2.46e-03	2.35e-03	70,72,73
	48.8	0.0	0.02	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
82	0.0	0.02	0.01	0.03	70,70,73	0.0	0.0	0.0	0,0,0	1.59e-03	1.33e-03	1.26e-03	70,72,73
	51.0	7.48e-03	4.27e-03	8.52e-03	70,70,73	0.0	0.0	0.0	0,0,0				
83	0.0	7.18e-03	5.04e-03	9.15e-03	70,69,73	0.0	0.0	0.0	0,0,0	-1.83e-03	-1.83e-03	-1.83e-03	69,71,73
	50.6	0.01	0.01	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
84	0.0	0.0	0.06	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-4.32e-03	-4.21e-03	-4.18e-03	70,72,73
	51.0	0.0	0.09	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
85	0.0	9.19e-03	5.40e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-3.01e-03	-2.87e-03	-2.84e-03	70,72,73
	50.6	9.95e-03	5.84e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
86	0.0	8.80e-03	0.03	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-1.87e-03	-1.87e-03	-1.87e-03	69,71,73
	48.2	4.86e-03	0.02	5.52e-03	70,70,73	0.0	0.0	0.0	0,0,0				
87	0.0	0.0	0.12	0.0	0,70,0	0.0	0.0	0.0	0,0,0	2.88e-03	2.88e-03	2.88e-03	69,71,73
	50.4	0.0	0.12	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
88	0.0	0.0	0.13	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-4.36e-03	-4.36e-03	-4.36e-03	69,71,73
	50.4	0.0	0.13	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
89	0.0	0.0	0.12	0.0	0,70,0	0.0	0.0	0.0	0,0,0	3.99e-03	3.99e-03	3.99e-03	69,71,73
	50.4	0.0	0.13	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
90	0.0	0.0	0.13	0.0	0,70,0	0.0	0.0	0.0	0,0,0	4.72e-03	4.72e-03	4.72e-03	69,71,73
	50.4	0.0	0.13	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
91	0.0	0.0	0.11	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-4.68e-03	-4.68e-03	-4.68e-03	69,71,73
	50.4	0.0	0.11	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
92	0.0	9.96e-03	5.86e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-1.15e-03	-1.15e-03	-1.15e-03	69,71,73
	50.6	0.01	6.14e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
93	0.0	0.01	6.33e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-2.23e-03	-2.23e-03	-2.23e-03	69,71,73
	50.6	0.01	6.66e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
94	0.0	0.01	6.63e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-2.43e-03	-2.43e-03	-2.43e-03	69,71,73
	50.6	0.01	6.96e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
95	0.0	0.01	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0	1.79e-03	1.44e-03	1.36e-03	70,72,73
	45.0	4.74e-03	0.02	4.91e-03	70,70,73	0.0	0.0	0.0	0,0,0				
96	0.0	0.01	0.02	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-3.94e-03	-3.77e-03	-3.73e-03	70,72,73
	50.6	4.71e-03	8.53e-03	5.68e-03	70,69,73	0.0	0.0	0.0	0,0,0				
97	0.0	0.02	0.09	0.02	70,70,73	0.0	0.0	0.0	0,0,0	-9.30e-03	-8.75e-03	-8.61e-03	70,72,73
	48.9	0.0	0.04	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
98	0.0	7.21e-03	4.76e-03	9.16e-03	70,69,73	0.0	0.0	0.0	0,0,0	-1.66e-03	-1.66e-03	-1.66e-03	69,71,73
	50.6	0.01	0.01	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
99	0.0	0.0	0.10	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-2.39e-03	-2.02e-03	-1.93e-03	70,72,73
	51.0	0.0	0.09	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
100	0.0	4.32e-03	4.88e-03	4.98e-03	70,70,73	0.0	0.0	0.0	0,0,0	-1.49e-03	-1.40e-03	-1.37e-03	70,72,73
	50.9	9.54e-03	0.01	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
101	0.0	2.53e-03	0.06	3.37e-03	69,70,73	0.0	0.0	0.0	0,0,0	5.42e-03	-4.59e-03	-4.39e-03	70,72,73
	48.2	0.0	0.04	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
102	0.0	0.02	0.02	0.02	70,70,73	0.0	0.0	0.0	0,0,0	9.57e-04	8.07e-04	7.69e-04	70,72,73
	51.0	9.74e-03	7.82e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
103	0.0	0.0	0.08	0.0	0,70,0	0.0	0.0	0.0	0,0,0	3.40e-03	3.34e-03	3.32e-03	70,72,73
	51.0	0.0	0.09	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
104	0.0	0.02	0.02	0.02	70,70,73	0.0	0.0	0.0	0,0,0	-2.51e-03	-2.40e-03	-2.38e-03	70,72,73
	51.0	8.77e-03	5.94e-03	0.01	70,69,73	0.0	0.0	0.0	0,0,0				
105	0.0	4.42e-03	2.27e-03	4.98e-03	70,70,73	0.0	0.0	0.0	0,0,0	1.68e-03	1.34e-03	1.26e-03	70,72,73

	51.0	3.26e-03	1.80e-03	3.54e-03	70,70,73	0.0	0.0	0.0	0,0,0				
106	0.0	2.09e-03	1.20e-03	2.34e-03	70,70,73	0.0	0.0	0.0	0,0,0	3.47e-03	2.96e-03	2.83e-03	70,72,73
	48.2	1.77e-03	1.07e-03	1.93e-03	70,70,73	0.0	0.0	0.0	0,0,0				
107	0.0	0.02	0.04	0.02	70,70,73	0.0	0.0	0.0	0,0,0	-8.00e-03	-7.30e-03	-7.13e-03	70,72,73
	104.9	0.07	0.09	0.09	70,70,73	0.0	0.0	0.0	0,0,0				
	209.8	0.02	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
108	0.0	0.02	0.13	0.02	70,70,73	0.0	0.0	0.0	0,0,0	0.01	9.09e-03	8.67e-03	70,72,73
	50.4	0.01	0.12	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
109	0.0	0.0	0.06	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-2.97e-03	-2.36e-03	-2.21e-03	70,72,73
	51.0	0.0	0.07	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
110	0.0	4.82e-03	2.89e-03	5.39e-03	70,70,73	0.0	0.0	0.0	0,0,0	-4.45e-03	-4.30e-03	-4.26e-03	70,72,73
	50.6	6.20e-03	3.63e-03	7.01e-03	70,70,73	0.0	0.0	0.0	0,0,0				
111	0.0	0.08	0.09	0.09	70,70,73	0.0	0.0	0.0	0,0,0	-0.03	-0.03	-0.03	70,72,73
	85.7	0.01	5.97e-03	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
	171.4	0.04	0.04	0.04	70,70,73	0.0	0.0	0.0	0,0,0				
112	0.0	9.18e-03	5.37e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-3.84e-03	-3.84e-03	-3.84e-03	69,71,73
	50.6	0.01	5.86e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
113	0.0	0.01	0.05	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-2.58e-03	-2.47e-03	-2.44e-03	70,72,73
	46.5	0.02	0.06	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
114	0.0	6.54e-03	0.03	8.02e-03	70,70,73	0.0	0.0	0.0	0,0,0	-7.88e-03	-7.65e-03	-7.59e-03	70,72,73
	46.5	9.88e-04	0.02	9.59e-04	70,70,73	0.0	0.0	0.0	0,0,0				
115	0.0	4.85e-03	0.03	6.47e-03	69,69,73	0.0	0.0	0.0	0,0,0	-2.45e-03	-1.59e-03	-1.39e-03	70,72,73
	45.0	0.0	0.01	0.0	0,69,0	0.0	0.0	0.0	0,0,0				
116	0.0	5.13e-03	0.02	6.15e-03	70,70,73	0.0	0.0	0.0	0,0,0	2.14e-03	2.14e-03	2.14e-03	69,71,73
	100.0	2.76e-03	0.01	2.91e-03	70,70,73	0.0	0.0	0.0	0,0,0				
117	0.0	9.14e-03	0.03	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-8.27e-03	-8.00e-03	-7.94e-03	70,72,73
	46.5	7.25e-03	0.02	8.89e-03	70,70,73	0.0	0.0	0.0	0,0,0				
118	0.0	5.05e-03	0.02	5.74e-03	70,70,73	0.0	0.0	0.0	0,0,0	-1.58e-03	-1.58e-03	-1.58e-03	69,71,73
	48.2	1.01e-03	6.99e-03	1.25e-03	70,70,73	0.0	0.0	0.0	0,0,0				
119	0.0	0.0	0.12	0.0	0,70,0	0.0	0.0	0.0	0,0,0	2.17e-03	2.17e-03	2.17e-03	69,71,73
	50.4	0.0	0.12	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
120	0.0	0.0	0.13	0.0	0,70,0	0.0	0.0	0.0	0,0,0	3.59e-03	3.59e-03	3.59e-03	69,71,73
	50.4	0.0	0.14	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
121	0.0	0.0	0.12	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-3.30e-03	-3.30e-03	-3.30e-03	69,71,73
	50.4	0.0	0.12	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
122	0.0	0.0	0.13	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-3.93e-03	-3.93e-03	-3.93e-03	69,71,73
	50.4	0.0	0.14	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
123	0.0	0.0	0.10	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-4.08e-03	-4.08e-03	-4.08e-03	69,71,73
	50.4	0.0	0.10	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
124	0.0	0.01	6.35e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-7.55e-04	-7.55e-04	-7.55e-04	69,71,73
	50.6	0.01	6.68e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
125	0.0	0.01	6.31e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-1.82e-03	-1.82e-03	-1.82e-03	69,71,73
	50.6	0.01	6.63e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
126	0.0	0.01	6.69e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-1.97e-03	-1.97e-03	-1.97e-03	69,71,73
	50.6	0.01	6.95e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
127	0.0	5.65e-03	0.02	6.09e-03	70,70,73	0.0	0.0	0.0	0,0,0	1.40e-03	1.08e-03	1.01e-03	70,72,73
	54.5	0.0	7.05e-03	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
128	0.0	0.01	0.02	0.02	70,70,73	0.0	0.0	0.0	0,0,0	-2.55e-03	-2.43e-03	-2.40e-03	70,72,73
	50.6	0.01	0.02	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
129	0.0	0.0	0.03	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-4.19e-03	-4.07e-03	-4.04e-03	70,72,73
	48.9	9.00e-03	0.05	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
130	0.0	4.55e-03	4.65e-03	5.29e-03	70,69,73	0.0	0.0	0.0	0,0,0	-8.51e-04	-8.24e-04	-8.17e-04	70,72,73
	50.9	4.34e-03	4.38e-03	5.02e-03	70,69,73	0.0	0.0	0.0	0,0,0				
131	0.0	8.42e-03	4.62e-03	0.01	70,69,73	0.0	0.0	0.0	0,0,0	3.20e-03	2.85e-03	2.77e-03	70,72,73
	51.0	0.02	0.02	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
132	0.0	9.53e-03	6.51e-03	0.01	70,69,73	0.0	0.0	0.0	0,0,0	-3.33e-04	-3.33e-04	-3.33e-04	69,71,73
	51.0	0.02	0.02	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
133	0.0	0.01	6.82e-03	0.01	70,69,73	0.0	0.0	0.0	0,0,0	2.26e-03	1.87e-03	1.77e-03	70,72,73
	51.0	3.94e-03	1.92e-03	4.54e-03	70,70,73	0.0	0.0	0.0	0,0,0				
134	0.0	2.44e-03	1.37e-03	2.75e-03	70,70,73	0.0	0.0	0.0	0,0,0	3.58e-03	3.04e-03	2.91e-03	70,72,73
	48.2	2.17e-03	1.26e-03	2.42e-03	70,70,73	0.0	0.0	0.0	0,0,0				
135	0.0	0.0	0.09	0.0	0,70,0	0.0	0.0	0.0	0,0,0	5.44e-03	4.81e-03	4.76e-03	70,72,73
	51.0	0.0	0.07	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
136	0.0	0.0	0.05	0.0	0,70,0	0.0	0.0	0.0	0,0,0	3.03e-03	2.24e-03	2.05e-03	70,72,73
	51.0	0.0	0.06	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
137	0.0	5.46e-03	6.37e-03	6.69e-03	70,69,73	0.0	0.0	0.0	0,0,0	-4.54e-03	-4.35e-03	-4.31e-03	70,72,73
	50.6	1.59e-03	8.74e-04	1.87e-03	70,70,73	0.0	0.0	0.0	0,0,0				
138	0.0	1.90e-03	0.02	2.41e-03	70,70,73	0.0	0.0	0.0	0,0,0	-4.51e-03	-3.77e-03	-3.59e-03	70,72,73
	48.2	4.01e-03	0.03	4.92e-03	70,70,73	0.0	0.0	0.0	0,0,0				
139	0.0	0.15	0.40	0.18	70,70,73	0.0	0.0	0.0	0,0,0	0.06	0.04	0.04	70,72,73
	238.5	0.06	0.20	0.07	70,70,73	0.0	0.0	0.0	0,0,0				
	477.0	0.08	0.22	0.10	70,70,73	0.0	0.0	0.0	0,0,0				
140	0.0	5.75e-03	3.36e-03	6.52e-03	70,70,73	0.0	0.0	0.0	0,0,0	-4.12e-03	-4.00e-03	-3.97e-03	70,72,73
	50.6	6.63e-03	3.85e-03	7.53e-03	70,70,73	0.0	0.0	0.0	0,0,0				
141	0.0	0.0	0.02	0.0	0,70,0	0.0	0.0	0.0	0,0,0	5.82e-03	5.61e-03	5.56e-03	70,72,73
	48.2	0.01	0.05	0.02	70,70,73	0.0	0.0	0.0	0,0,0				

142	0.0	0.0	4.00e-03	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-2.15e-03	-1.90e-03	-1.84e-03	70,72,73
	55.8	5.36e-04	7.09e-03	0.0	70,70,0	0.0	0.0	0.0	0,0,0				
143	0.0	6.90e-03	0.03	8.31e-03	70,70,73	0.0	0.0	0.0	0,0,0	4.88e-03	4.83e-03	4.82e-03	70,72,73
	48.8	0.01	0.04	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
144	0.0	0.01	6.48e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-2.55e-03	-2.55e-03	-2.55e-03	69,71,73
	50.6	0.01	6.76e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
145	0.0	0.0	0.12	0.0	0,70,0	0.0	0.0	0.0	0,0,0	1.37e-03	1.37e-03	1.37e-03	69,71,73
	50.4	0.0	0.12	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
146	0.0	0.0	0.13	0.0	0,70,0	0.0	0.0	0.0	0,0,0	2.55e-03	2.55e-03	2.55e-03	69,71,73
	50.4	0.0	0.15	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
147	0.0	0.0	0.11	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-2.60e-03	-2.60e-03	-2.60e-03	69,71,73
	50.4	0.0	0.11	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
148	0.0	0.0	0.13	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-2.88e-03	-2.88e-03	-2.88e-03	69,71,73
	50.4	0.0	0.15	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
149	0.0	0.0	0.10	0.0	0,70,0	0.0	0.0	0.0	0,0,0	3.47e-03	3.47e-03	3.47e-03	69,71,73
	50.4	0.0	0.10	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
150	0.0	0.01	6.63e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-3.66e-04	-3.66e-04	-3.66e-04	69,71,73
	50.6	0.01	6.88e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
151	0.0	0.01	6.22e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-1.42e-03	-1.42e-03	-1.42e-03	69,71,73
	50.6	0.01	6.62e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
152	0.0	0.01	6.23e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-1.54e-03	-1.54e-03	-1.54e-03	69,71,73
	50.6	0.01	6.40e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
153	0.0	1.42e-03	4.75e-03	1.43e-03	70,70,73	0.0	0.0	0.0	0,0,0	1.17e-03	8.90e-04	8.20e-04	70,72,73
	54.5	4.97e-04	3.12e-03	6.63e-04	69,70,73	0.0	0.0	0.0	0,0,0				
154	0.0	0.0	0.02	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-3.24e-03	-3.18e-03	-2.81e-03	70,72,73
	48.9	0.0	0.02	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
155	0.0	4.57e-03	3.96e-03	5.98e-03	70,69,73	0.0	0.0	0.0	0,0,0	-2.46e-04	-2.46e-04	-2.46e-04	69,71,73
	50.9	4.52e-03	3.31e-03	5.31e-03	70,69,73	0.0	0.0	0.0	0,0,0				
156	0.0	0.01	0.04	0.02	70,70,73	0.0	0.0	0.0	0,0,0	3.76e-03	3.76e-03	3.76e-03	69,71,73
	48.8	0.02	0.07	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
157	0.0	4.58e-03	2.32e-03	5.16e-03	70,70,73	0.0	0.0	0.0	0,0,0	1.15e-03	9.34e-04	8.80e-04	70,72,73
	51.0	9.33e-03	3.97e-03	0.01	70,69,73	0.0	0.0	0.0	0,0,0				
158	0.0	0.02	0.02	0.03	70,70,73	0.0	0.0	0.0	0,0,0	3.73e-03	3.21e-03	3.08e-03	70,72,73
	51.0	0.01	7.50e-03	0.01	70,69,73	0.0	0.0	0.0	0,0,0				
159	0.0	3.37e-03	1.95e-03	3.79e-03	70,70,73	0.0	0.0	0.0	0,0,0	3.77e-03	3.19e-03	3.05e-03	70,72,73
	48.2	3.38e-03	1.95e-03	3.80e-03	70,70,73	0.0	0.0	0.0	0,0,0				
160	0.0	0.0	0.04	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-1.99e-03	1.44e-03	1.21e-03	70,72,73
	51.0	0.0	0.05	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
161	0.0	2.18e-03	0.06	2.76e-03	70,70,73	0.0	0.0	0.0	0,0,0	-6.12e-03	-5.84e-03	-5.77e-03	70,72,73
	48.9	0.02	0.08	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
162	0.0	0.02	0.07	0.02	70,70,73	0.0	0.0	0.0	0,0,0	3.23e-03	2.85e-03	2.75e-03	70,72,73
	46.4	0.0	0.02	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
163	0.0	0.0	0.14	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-6.13e-03	-5.81e-03	-5.73e-03	70,72,73
	50.4	0.0	0.13	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
164	0.0	3.33e-03	2.00e-03	3.68e-03	70,70,73	0.0	0.0	0.0	0,0,0	-4.49e-03	-4.40e-03	-4.38e-03	70,72,73
	50.6	5.35e-03	3.08e-03	6.08e-03	70,70,73	0.0	0.0	0.0	0,0,0				
165	0.0	0.0	0.11	0.0	0,70,0	0.0	0.0	0.0	0,0,0	4.54e-04	4.54e-04	4.54e-04	69,71,73
	50.4	0.0	0.12	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
166	0.0	0.0	0.14	0.0	0,70,0	0.0	0.0	0.0	0,0,0	1.07e-03	1.07e-03	1.07e-03	69,71,73
	50.4	6.65e-03	0.16	8.51e-03	70,70,73	0.0	0.0	0.0	0,0,0				
167	0.0	0.0	0.10	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-1.89e-03	-1.89e-03	-1.89e-03	69,71,73
	50.4	0.0	0.10	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
168	0.0	0.0	0.14	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-1.38e-03	-1.38e-03	-1.38e-03	69,71,73
	50.4	6.78e-03	0.16	8.68e-03	70,70,73	0.0	0.0	0.0	0,0,0				
169	0.0	0.0	0.09	0.0	0,70,0	0.0	0.0	0.0	0,0,0	2.85e-03	2.85e-03	2.85e-03	69,71,73
	50.4	0.0	0.09	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
170	0.0	0.01	6.02e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-2.80e-04	-2.80e-04	-2.80e-04	69,71,73
	50.6	0.01	6.18e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
171	0.0	0.01	7.22e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-1.01e-03	-1.01e-03	-1.01e-03	69,71,73
	50.6	0.01	7.68e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
172	0.0	0.01	6.96e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-1.17e-03	-1.17e-03	-1.17e-03	69,71,73
	50.6	0.01	6.77e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
173	0.0	0.0	0.01	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-3.57e-03	-3.51e-03	-3.49e-03	70,72,73
	48.9	0.0	6.96e-03	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
174	0.0	0.0	0.06	0.0	0,70,0	0.0	0.0	0.0	0,0,0	0.01	0.01	0.01	70,72,73
	85.5	0.0	0.06	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
	171.0	0.05	0.19	0.05	70,70,73	0.0	0.0	0.0	0,0,0				
175	0.0	4.33e-03	2.43e-03	4.76e-03	70,70,73	0.0	0.0	0.0	0,0,0	1.78e-03	1.54e-03	1.44e-03	70,72,73
	51.0	5.54e-03	2.93e-03	6.25e-03	70,70,73	0.0	0.0	0.0	0,0,0				
176	0.0	9.56e-03	4.95e-03	0.01	70,69,73	0.0	0.0	0.0	0,0,0	6.50e-03	5.72e-03	5.53e-03	70,72,73
	51.0	0.02	0.02	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
177	0.0	5.45e-03	3.02e-03	6.27e-03	70,70,73	0.0	0.0	0.0	0,0,0	3.92e-03	3.33e-03	3.18e-03	70,72,73
	48.2	4.37e-03	2.57e-03	4.91e-03	70,70,73	0.0	0.0	0.0	0,0,0				
178	0.0	0.0	0.05	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-2.67e-03	-1.95e-03	-1.77e-03	70,72,73
	51.0	0.0	0.04	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
179	0.0	0.0	0.01	0.0	0,69,0	0.0	0.0	0.0	0,0,0	-2.14e-03	-1.51e-03	-1.34e-03	70,72,73

	45.0	0.0	0.01	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
180	0.0	0.0	0.15	0.0	0,70,0	0.0	0.0	0.0	0,0,0	7.19e-03	7.15e-03	7.13e-03	70,72,73
	50.4	0.0	0.14	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
181	0.0	0.0	0.10	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-1.21e-03	-7.39e-04	-6.22e-04	70,72,73
	50.4	0.0	0.11	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
182	0.0	0.01	0.15	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-2.19e-03	-1.28e-03	-1.05e-03	70,72,73
	50.4	0.02	0.18	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
183	0.0	0.0	0.09	0.0	0,70,0	0.0	0.0	0.0	0,0,0	1.21e-03	1.21e-03	1.21e-03	69,71,73
	50.4	0.0	0.09	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
184	0.0	0.01	0.15	0.01	70,70,73	0.0	0.0	0.0	0,0,0	2.07e-03	1.02e-03	7.63e-04	70,72,73
	50.4	0.02	0.18	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
185	0.0	0.0	0.08	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-2.27e-03	-2.27e-03	-2.27e-03	69,71,73
	50.4	0.0	0.07	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
186	0.0	7.34e-03	4.32e-03	8.27e-03	70,70,73	0.0	0.0	0.0	0,0,0	6.32e-04	3.57e-04	2.89e-04	70,72,73
	50.6	7.51e-03	4.48e-03	8.31e-03	70,70,73	0.0	0.0	0.0	0,0,0				
187	0.0	0.01	6.65e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-5.81e-04	-5.81e-04	-5.81e-04	69,71,73
	50.6	0.01	7.22e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
188	0.0	7.46e-03	4.49e-03	8.42e-03	70,70,73	0.0	0.0	0.0	0,0,0	-9.71e-04	-9.71e-04	-9.71e-04	69,71,73
	50.6	7.96e-03	4.82e-03	9.42e-03	70,70,73	0.0	0.0	0.0	0,0,0				
189	0.0	3.24e-03	7.97e-03	3.84e-03	70,70,73	0.0	0.0	0.0	0,0,0	-3.66e-03	-3.60e-03	-3.58e-03	70,72,73
	48.9	2.55e-03	5.59e-03	3.18e-03	70,70,73	0.0	0.0	0.0	0,0,0				
190	0.0	6.22e-03	3.48e-03	7.06e-03	70,70,73	0.0	0.0	0.0	0,0,0	2.09e-03	1.78e-03	1.70e-03	70,72,73
	51.0	5.63e-03	3.24e-03	6.28e-03	70,70,73	0.0	0.0	0.0	0,0,0				
191	0.0	0.01	0.05	0.02	70,70,73	0.0	0.0	0.0	0,0,0	4.78e-03	4.65e-03	4.62e-03	70,72,73
	48.2	0.02	0.06	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
192	0.0	0.07	0.11	0.08	70,70,73	0.0	0.0	0.0	0,0,0	-0.04	-0.03	-0.03	70,72,73
	72.7	0.04	0.05	0.04	70,70,73	0.0	0.0	0.0	0,0,0				
	145.4	0.03	0.04	0.04	69,69,73	0.0	0.0	0.0	0,0,0				
193	0.0	5.60e-03	0.10	7.19e-03	70,70,73	0.0	0.0	0.0	0,0,0	-2.60e-03	-2.00e-03	-1.85e-03	70,72,73
	50.4	6.56e-03	0.10	8.46e-03	70,70,73	0.0	0.0	0.0	0,0,0				
194	0.0	0.03	0.17	0.03	70,70,73	0.0	0.0	0.0	0,0,0	-5.36e-03	-4.16e-03	-3.86e-03	70,72,73
	50.4	0.03	0.18	0.04	70,70,73	0.0	0.0	0.0	0,0,0				
195	0.0	0.0	0.07	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-6.17e-04	6.05e-04	6.05e-04	70,71,73
	50.4	0.0	0.07	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
196	0.0	0.03	0.17	0.03	70,70,73	0.0	0.0	0.0	0,0,0	-5.26e-03	-3.92e-03	-3.58e-03	70,72,73
	50.4	0.03	0.18	0.04	70,70,73	0.0	0.0	0.0	0,0,0				
197	0.0	0.0	0.06	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-1.75e-03	-1.75e-03	-1.75e-03	69,71,73
	50.4	0.0	0.06	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
198	0.0	5.21e-03	3.04e-03	5.65e-03	70,70,73	0.0	0.0	0.0	0,0,0	9.38e-04	6.03e-04	5.19e-04	70,72,73
	50.6	4.46e-03	2.75e-03	5.42e-03	70,70,73	0.0	0.0	0.0	0,0,0				
199	0.0	9.91e-03	5.76e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0	5.96e-04	-3.18e-04	-3.18e-04	70,71,73
	50.6	0.01	6.50e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
200	0.0	4.84e-03	2.87e-03	5.75e-03	70,70,73	0.0	0.0	0.0	0,0,0	-1.12e-03	-1.12e-03	-1.12e-03	69,71,73
	50.6	9.04e-03	5.02e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
201	0.0	5.05e-03	0.02	6.25e-03	70,70,73	0.0	0.0	0.0	0,0,0	6.37e-03	5.94e-03	5.83e-03	70,72,73
	104.7	0.03	0.09	0.04	70,70,73	0.0	0.0	0.0	0,0,0				
	209.4	2.01e-03	0.01	2.68e-03	69,70,73	0.0	0.0	0.0	0,0,0				
202	0.0	0.01	0.08	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-4.00e-03	-3.27e-03	-3.09e-03	70,72,73
	50.4	6.03e-03	0.07	7.62e-03	70,70,73	0.0	0.0	0.0	0,0,0				
203	0.0	0.03	0.17	0.04	70,70,73	0.0	0.0	0.0	0,0,0	8.80e-03	7.29e-03	6.91e-03	70,72,73
	50.4	0.02	0.14	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
204	0.0	0.0	0.05	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-1.16e-03	-1.30e-04	-1.30e-04	70,71,73
	50.4	0.0	0.04	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
205	0.0	0.03	0.17	0.04	70,70,73	0.0	0.0	0.0	0,0,0	-8.71e-03	-7.06e-03	-6.64e-03	70,72,73
	50.4	0.02	0.13	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
206	0.0	0.0	0.04	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-1.38e-03	-1.38e-03	-1.38e-03	69,71,73
	50.4	0.0	0.03	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
207	0.0	1.24e-03	7.12e-04	1.65e-03	69,69,73	0.0	0.0	0.0	0,0,0	1.03e-03	6.45e-04	5.47e-04	70,72,73
	50.6	0.02	0.02	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
208	0.0	8.88e-03	5.02e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0	1.32e-03	6.72e-04	5.11e-04	70,72,73
	50.6	7.31e-03	4.32e-03	8.21e-03	70,70,73	0.0	0.0	0.0	0,0,0				
209	0.0	4.61e-03	2.61e-03	5.12e-03	70,70,73	0.0	0.0	0.0	0,0,0	-1.38e-03	-1.31e-03	-1.29e-03	70,72,73
	51.0	5.17e-03	2.83e-03	5.88e-03	70,70,73	0.0	0.0	0.0	0,0,0				
210	0.0	0.0	0.14	0.0	0,70,0	0.0	0.0	0.0	0,0,0	5.99e-03	5.99e-03	5.99e-03	69,71,73
	50.4	0.0	0.13	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
211	0.0	0.0	0.14	0.0	0,70,0	0.0	0.0	0.0	0,0,0	6.64e-03	6.64e-03	6.64e-03	69,71,73
	50.4	0.0	0.13	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
212	0.0	0.0	0.05	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-9.69e-04	-7.56e-04	-7.02e-04	70,72,73
	50.9	0.0	0.05	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
213	0.0	0.0	0.15	0.0	0,70,0	0.0	0.0	0.0	0,0,0	6.90e-03	6.90e-03	6.90e-03	69,71,73
	50.4	0.0	0.14	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
214	0.0	0.02	0.07	0.03	70,70,73	0.0	0.0	0.0	0,0,0	2.02e-03	2.02e-03	2.02e-03	69,71,73
	48.8	0.03	0.09	0.04	70,70,73	0.0	0.0	0.0	0,0,0				
215	0.0	0.05	0.20	0.06	70,70,73	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	70,72,73
	85.5	0.0	0.09	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
	171.0	0.01	0.12	0.01	70,70,73	0.0	0.0	0.0	0,0,0				

216	0.0	0.02	0.02	0.02	70,70,73	0.0	0.0	0.0	0,0,0	-1.16e-03	-1.20e-03	-1.21e-03	70,72,73
	100.2	7.54e-03	0.01	9.63e-03	70,70,73	0.0	0.0	0.0	0,0,0				
217	0.0	0.01	6.17e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-1.54e-03	-1.54e-03	-1.54e-03	69,71,73
	50.6	0.01	6.56e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
218	0.0	0.0	0.14	0.0	0,70,0	0.0	0.0	0.0	0,0,0	8.66e-03	8.34e-03	8.26e-03	70,72,73
	50.4	0.0	0.12	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
219	0.0	3.09e-05	1.81e-03	4.12e-05	69,69,73	0.0	0.0	0.0	0,0,0	-3.52e-04	-7.44e-05	1.98e-05	70,72,73
	37.5	4.27e-03	0.01	4.33e-03	70,70,73	0.0	0.0	0.0	0,0,0				
220	0.0	5.21e-03	0.02	6.25e-03	70,70,73	0.0	0.0	0.0	0,0,0	5.97e-03	5.83e-03	5.80e-03	70,72,73
	48.8	5.18e-03	0.02	6.12e-03	70,70,73	0.0	0.0	0.0	0,0,0				
221	0.0	0.0	4.44e-03	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-1.86e-03	-1.66e-03	-1.61e-03	70,72,73
	55.8	0.0	4.38e-03	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
222	0.0	5.99e-03	0.02	7.22e-03	70,70,73	0.0	0.0	0.0	0,0,0	-5.87e-04	-5.87e-04	-5.87e-04	69,71,73
	62.0	4.66e-03	0.02	5.68e-03	70,70,73	0.0	0.0	0.0	0,0,0				
223	0.0	0.01	0.02	0.02	70,70,73	0.0	0.0	0.0	0,0,0	-3.32e-03	-3.32e-03	-3.32e-03	69,71,73
	50.6	1.90e-03	4.51e-03	0.0	70,70,0	0.0	0.0	0.0	0,0,0				
224	0.0	0.02	0.14	0.02	70,70,73	0.0	0.0	0.0	0,0,0	0.02	0.02	0.02	70,72,73
	50.4	0.03	0.17	0.04	70,70,73	0.0	0.0	0.0	0,0,0				
225	0.0	0.02	0.16	0.02	70,70,73	0.0	0.0	0.0	0,0,0	-0.03	-0.03	-0.03	70,72,73
	50.4	0.04	0.22	0.05	70,70,73	0.0	0.0	0.0	0,0,0				
226	0.0	0.02	0.16	0.02	70,70,73	0.0	0.0	0.0	0,0,0	-0.03	-0.03	-0.03	70,72,73
	50.4	0.04	0.22	0.05	70,70,73	0.0	0.0	0.0	0,0,0				
227	0.0	0.02	0.16	0.02	70,70,73	0.0	0.0	0.0	0,0,0	0.03	0.03	0.03	70,72,73
	50.4	0.04	0.23	0.05	70,70,73	0.0	0.0	0.0	0,0,0				
228	0.0	0.02	0.12	0.02	70,70,73	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	70,72,73
	50.4	0.03	0.15	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
229	0.0	1.46e-03	2.86e-03	1.82e-03	70,70,73	0.0	0.0	0.0	0,0,0	-2.78e-03	-2.66e-03	-2.64e-03	70,72,73
	62.1	3.16e-04	1.87e-04	4.21e-04	69,69,73	0.0	0.0	0.0	0,0,0				
230	0.0	0.01	0.02	0.02	69,69,73	0.0	0.0	0.0	0,0,0	7.07e-04	7.07e-04	7.07e-04	69,71,73
	50.6	0.02	0.02	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
231	0.0	0.03	0.04	0.04	70,70,73	0.0	0.0	0.0	0,0,0	3.77e-03	3.37e-03	3.27e-03	70,72,73
	50.6	0.03	0.04	0.04	70,70,73	0.0	0.0	0.0	0,0,0				
232	0.0	0.03	0.04	0.04	70,70,73	0.0	0.0	0.0	0,0,0	3.52e-03	3.02e-03	2.90e-03	70,72,73
	50.6	0.03	0.03	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
233	0.0	0.03	0.04	0.04	70,70,73	0.0	0.0	0.0	0,0,0	3.49e-03	3.05e-03	2.94e-03	70,72,73
	50.6	0.03	0.04	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
234	0.0	0.01	0.02	0.02	69,69,73	0.0	0.0	0.0	0,0,0	-4.72e-04	-4.25e-04	-4.13e-04	70,72,73
	50.6	0.02	0.02	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
235	0.0	9.13e-04	2.30e-03	1.22e-03	69,70,73	0.0	0.0	0.0	0,0,0	-3.88e-03	-3.79e-03	-3.77e-03	70,72,73
	48.9	3.73e-03	3.79e-03	4.40e-03	70,70,73	0.0	0.0	0.0	0,0,0				
236	0.0	1.45e-03	3.43e-03	1.72e-03	70,70,73	0.0	0.0	0.0	0,0,0	-3.05e-03	-2.88e-03	-2.84e-03	70,72,73
	37.5	0.02	0.02	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
237	0.0	1.16e-03	2.01e-03	1.54e-03	70,70,73	0.0	0.0	0.0	0,0,0	-6.06e-04	-5.49e-04	-5.35e-04	70,72,73
	55.8	1.49e-03	3.12e-03	1.63e-03	70,70,73	0.0	0.0	0.0	0,0,0				
238	0.0	4.65e-03	2.78e-03	5.19e-03	70,70,73	0.0	0.0	0.0	0,0,0	-3.84e-03	-3.61e-03	-3.55e-03	70,72,73
	50.6	6.29e-03	3.66e-03	7.13e-03	70,70,73	0.0	0.0	0.0	0,0,0				
239	0.0	0.0	0.01	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-0.01	-0.01	-0.01	70,72,73
	46.5	0.02	0.07	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
240	0.0	0.0	0.01	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-2.30e-03	-1.68e-03	-1.53e-03	70,72,73
	54.5	0.0	9.63e-03	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
241	0.0	0.02	0.12	0.02	70,70,73	0.0	0.0	0.0	0,0,0	1.78e-03	1.66e-03	1.63e-03	70,72,73
	50.9	0.0	0.08	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
242	0.0	0.03	0.17	0.04	70,70,73	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	70,72,73
	50.4	0.04	0.21	0.05	70,70,73	0.0	0.0	0.0	0,0,0				
243	0.0	0.04	0.22	0.05	70,70,73	0.0	0.0	0.0	0,0,0	-0.03	-0.02	-0.02	70,72,73
	50.4	0.06	0.27	0.07	70,70,73	0.0	0.0	0.0	0,0,0				
244	0.0	0.04	0.22	0.05	70,70,73	0.0	0.0	0.0	0,0,0	-0.03	-0.02	-0.02	70,72,73
	50.4	0.06	0.27	0.07	70,70,73	0.0	0.0	0.0	0,0,0				
245	0.0	0.04	0.22	0.05	70,70,73	0.0	0.0	0.0	0,0,0	0.03	0.03	0.02	70,72,73
	50.4	0.06	0.27	0.07	70,70,73	0.0	0.0	0.0	0,0,0				
246	0.0	0.03	0.15	0.03	70,70,73	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	70,72,73
	50.4	0.04	0.19	0.05	70,70,73	0.0	0.0	0.0	0,0,0				
247	0.0	7.07e-03	9.39e-03	8.48e-03	70,70,73	0.0	0.0	0.0	0,0,0	1.48e-04	-5.30e-05	-5.30e-05	70,71,73
	48.3	5.83e-04	5.87e-04	7.77e-04	69,69,73	0.0	0.0	0.0	0,0,0				
248	0.0	0.02	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0	-1.71e-03	-1.53e-03	-1.49e-03	70,72,73
	50.6	0.01	0.02	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
249	0.0	0.01	6.61e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-1.01e-03	-1.01e-03	-1.01e-03	69,71,73
	50.6	0.01	6.44e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
250	0.0	0.02	0.04	0.03	70,70,73	0.0	0.0	0.0	0,0,0	-6.67e-04	-6.67e-04	-6.67e-04	69,71,73
	50.6	0.02	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
251	0.0	0.03	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0	-7.77e-04	-7.77e-04	-7.77e-04	69,71,73
	50.6	0.02	0.04	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
252	0.0	2.19e-03	1.20e-03	2.24e-03	70,70,73	0.0	0.0	0.0	0,0,0	5.06e-04	-8.55e-05	-8.55e-05	70,71,73
	50.6	0.02	0.03	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
253	0.0	7.32e-04	0.01	5.75e-04	70,70,73	0.0	0.0	0.0	0,0,0	-3.92e-03	-3.85e-03	-3.83e-03	70,72,73
	46.6	5.09e-03	0.01	5.92e-03	70,70,73	0.0	0.0	0.0	0,0,0				

254	0.0	6.36e-04	0.02	0.0	70,70,0	0.0	0.0	0.0	0,0,0	-2.63e-03	-6.81e-04	-2.04e-03	70,72,73
	40.3	2.24e-03	0.02	2.98e-03	69,69,73	0.0	0.0	0.0	0,0,0				
255	0.0	0.05	0.07	0.06	70,70,73	0.0	0.0	0.0	0,0,0	-0.05	-0.05	-0.05	70,72,73
	238.5	0.09	0.10	0.11	70,70,73	0.0	0.0	0.0	0,0,0				
	477.0	0.10	0.17	0.13	70,70,73	0.0	0.0	0.0	0,0,0				
256	0.0	0.01	0.04	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-1.57e-03	-1.13e-03	-1.02e-03	70,72,73
	37.5	0.02	0.06	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
257	0.0	0.0	0.15	0.0	0,70,0	0.0	0.0	0.0	0,0,0	7.54e-03	7.54e-03	7.54e-03	69,71,73
	50.4	0.0	0.14	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
258	0.0	0.10	0.27	0.12	70,70,73	0.0	0.0	0.0	0,0,0	0.04	0.04	0.04	70,72,73
	238.5	0.06	0.20	0.07	70,70,73	0.0	0.0	0.0	0,0,0				
	477.0	0.15	0.38	0.17	70,70,73	0.0	0.0	0.0	0,0,0				
259	0.0	4.37e-03	0.02	5.32e-03	70,70,73	0.0	0.0	0.0	0,0,0	-2.46e-04	-2.46e-04	-2.46e-04	69,71,73
	62.0	0.0	8.28e-03	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
260	0.0	1.60e-03	5.90e-03	2.09e-03	70,70,73	0.0	0.0	0.0	0,0,0	-4.41e-04	-4.41e-04	-4.41e-04	69,71,73
	48.3	6.99e-03	0.01	8.39e-03	70,70,73	0.0	0.0	0.0	0,0,0				
261	0.0	0.01	6.03e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-1.37e-03	-1.37e-03	-1.37e-03	69,71,73
	50.6	0.01	6.18e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
262	0.0	6.84e-03	3.87e-03	7.65e-03	70,70,73	0.0	0.0	0.0	0,0,0	-3.30e-04	-3.30e-04	-3.30e-04	69,71,73
	50.6	5.53e-03	3.29e-03	6.08e-03	70,70,73	0.0	0.0	0.0	0,0,0				
263	0.0	0.0	0.01	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-4.37e-03	-4.28e-03	-4.26e-03	70,72,73
	46.6	0.0	0.02	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
264	0.0	0.02	0.08	0.03	70,70,73	0.0	0.0	0.0	0,0,0	-1.77e-03	-1.50e-03	-1.44e-03	70,72,73
	46.4	0.02	0.07	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
265	0.0	4.37e-04	5.01e-03	2.71e-04	70,70,73	0.0	0.0	0.0	0,0,0	-8.08e-04	-7.18e-04	-6.94e-04	70,72,73
	55.8	2.05e-03	7.32e-03	2.20e-03	70,70,73	0.0	0.0	0.0	0,0,0				
266	0.0	0.06	0.24	0.07	70,70,73	0.0	0.0	0.0	0,0,0	8.80e-03	8.08e-03	7.90e-03	70,72,73
	50.9	0.04	0.18	0.05	70,70,73	0.0	0.0	0.0	0,0,0				
267	0.0	0.02	0.06	0.03	70,70,73	0.0	0.0	0.0	0,0,0	0.01	-0.01	-0.01	70,72,73
	46.5	0.02	0.06	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
268	0.0	1.69e-04	8.03e-03	0.0	70,70,0	0.0	0.0	0.0	0,0,0	-1.93e-03	-1.40e-03	-1.27e-03	70,72,73
	54.5	0.0	4.72e-03	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
269	0.0	0.0	0.02	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-1.28e-03	-1.28e-03	-1.28e-03	69,71,73
	46.4	0.02	0.06	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
270	0.0	0.04	0.22	0.05	70,70,73	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	70,72,73
	50.4	0.04	0.20	0.04	70,70,73	0.0	0.0	0.0	0,0,0				
271	0.0	0.06	0.28	0.07	70,70,73	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	70,72,73
	50.4	0.05	0.25	0.06	70,70,73	0.0	0.0	0.0	0,0,0				
272	0.0	0.06	0.28	0.07	70,70,73	0.0	0.0	0.0	0,0,0	0.02	0.02	0.02	70,72,73
	50.4	0.04	0.25	0.05	70,70,73	0.0	0.0	0.0	0,0,0				
273	0.0	0.06	0.28	0.07	70,70,73	0.0	0.0	0.0	0,0,0	0.02	0.02	0.02	70,72,73
	50.4	0.05	0.25	0.06	70,70,73	0.0	0.0	0.0	0,0,0				
274	0.0	0.04	0.20	0.05	70,70,73	0.0	0.0	0.0	0,0,0	0.02	0.02	0.02	70,72,73
	50.4	0.03	0.18	0.04	70,70,73	0.0	0.0	0.0	0,0,0				
275	0.0	0.01	0.02	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-3.25e-03	-3.01e-03	-2.96e-03	70,72,73
	50.6	5.27e-03	9.30e-03	6.35e-03	70,69,73	0.0	0.0	0.0	0,0,0				
276	0.0	7.94e-03	4.79e-03	9.01e-03	70,70,73	0.0	0.0	0.0	0,0,0	-8.05e-04	-8.05e-04	-8.05e-04	69,71,73
	50.6	8.44e-03	5.11e-03	9.97e-03	70,70,73	0.0	0.0	0.0	0,0,0				
277	0.0	0.02	0.04	0.02	70,70,73	0.0	0.0	0.0	0,0,0	-3.08e-03	-3.08e-03	-3.08e-03	69,71,73
	50.6	7.07e-03	0.02	8.44e-03	70,70,73	0.0	0.0	0.0	0,0,0				
278	0.0	0.02	0.04	0.02	70,70,73	0.0	0.0	0.0	0,0,0	-3.32e-03	-3.32e-03	-3.32e-03	69,71,73
	50.6	7.35e-03	0.02	8.76e-03	70,70,73	0.0	0.0	0.0	0,0,0				
279	0.0	0.02	0.13	0.02	70,70,73	0.0	0.0	0.0	0,0,0	-0.01	-8.83e-03	-8.38e-03	70,72,73
	50.4	0.02	0.12	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
280	0.0	0.10	0.17	0.13	70,70,73	0.0	0.0	0.0	0,0,0	-0.03	-0.02	-0.02	70,72,73
	238.5	0.06	0.07	0.08	70,70,73	0.0	0.0	0.0	0,0,0				
	477.0	0.09	0.15	0.11	70,70,73	0.0	0.0	0.0	0,0,0				
281	0.0	4.38e-03	0.01	4.42e-03	70,70,73	0.0	0.0	0.0	0,0,0	-7.27e-04	-3.90e-04	-3.05e-04	70,72,73
	37.5	0.01	0.04	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
282	0.0	0.0	0.18	0.0	0,70,0	0.0	0.0	0.0	0,0,0	8.74e-03	8.55e-03	8.50e-03	70,72,73
	50.4	0.0	0.15	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
283	0.0	8.62e-03	0.04	0.01	69,70,73	0.0	0.0	0.0	0,0,0	1.16e-03	7.06e-04	5.93e-04	70,72,73
	24.8	4.69e-03	0.03	6.26e-03	69,69,73	0.0	0.0	0.0	0,0,0				
284	0.0	2.46e-03	0.01	2.85e-03	70,70,73	0.0	0.0	0.0	0,0,0	-6.03e-04	-6.03e-04	-6.03e-04	69,71,73
	48.3	3.39e-04	9.09e-03	4.51e-04	69,70,73	0.0	0.0	0.0	0,0,0				
285	0.0	0.01	6.55e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-1.79e-03	-1.79e-03	-1.79e-03	69,71,73
	50.6	0.01	6.81e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
286	0.0	7.67e-03	4.45e-03	8.67e-03	70,70,73	0.0	0.0	0.0	0,0,0	-7.95e-04	-7.95e-04	-7.95e-04	69,71,73
	50.6	8.69e-03	5.02e-03	9.77e-03	70,70,73	0.0	0.0	0.0	0,0,0				
287	0.0	0.0	0.03	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-3.58e-03	-3.51e-03	-3.49e-03	70,72,73
	46.6	0.0	0.02	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
288	0.0	0.10	0.12	0.11	70,70,73	0.0	0.0	0.0	0,0,0	-0.06	-0.05	-0.05	70,72,73
	128.6	0.04	0.05	0.05	70,70,73	0.0	0.0	0.0	0,0,0				
	257.1	0.02	0.02	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
289	0.0	3.59e-03	2.15e-03	4.01e-03	70,70,73	0.0	0.0	0.0	0,0,0	-4.27e-03	-4.27e-03	-4.27e-03	69,71,73
	50.6	5.53e-03	3.19e-03	6.30e-03	70,70,73	0.0	0.0	0.0	0,0,0				

290	0.0	3.98e-03	0.04	0.0	70,70,0	0.0	0.0	0.0	0,0,0	-5.16e-03	-2.76e-03	-2.73e-03	70,72,73
	72.7	0.02	0.08	0.03	69,70,73	0.0	0.0	0.0	0,0,0				
	145.4	0.09	0.25	0.11	70,70,73	0.0	0.0	0.0	0,0,0				
291	0.0	8.77e-03	5.12e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-3.63e-03	-3.63e-03	-3.63e-03	70,72,73
	50.6	9.61e-03	5.61e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
292	0.0	0.0	0.18	0.0	0,70,0	0.0	0.0	0.0	0,0,0	8.26e-03	8.26e-03	8.26e-03	69,71,73
	50.4	0.0	0.15	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
293	0.0	0.14	0.38	0.17	70,70,73	0.0	0.0	0.0	0,0,0	0.03	0.03	0.03	70,72,73
	238.5	0.05	0.17	0.06	70,70,73	0.0	0.0	0.0	0,0,0				
	477.0	0.13	0.36	0.16	70,70,73	0.0	0.0	0.0	0,0,0				
294	0.0	7.77e-04	9.16e-03	4.18e-04	70,70,73	0.0	0.0	0.0	0,0,0	-9.36e-04	-8.30e-04	-8.03e-04	70,72,73
	45.0	4.78e-03	0.02	5.15e-03	70,70,73	0.0	0.0	0.0	0,0,0				
295	0.0	0.04	0.18	0.05	70,70,73	0.0	0.0	0.0	0,0,0	-0.01	-9.70e-03	-9.51e-03	70,72,73
	85.5	0.0	0.06	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
	171.0	0.0	0.05	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
296	0.0	0.02	0.06	0.03	70,70,73	0.0	0.0	0.0	0,0,0	0.01	9.82e-03	9.72e-03	70,72,73
	46.5	0.02	0.05	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
297	0.0	0.07	0.21	0.09	70,70,73	0.0	0.0	0.0	0,0,0	2.65e-03	2.65e-03	2.65e-03	69,71,73
	113.7	2.24e-03	0.03	2.99e-03	69,69,73	0.0	0.0	0.0	0,0,0				
298	0.0	0.03	0.21	0.04	70,70,73	0.0	0.0	0.0	0,0,0	-0.01	-0.01	-0.01	70,72,73
	50.4	0.02	0.18	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
299	0.0	0.04	0.26	0.05	70,70,73	0.0	0.0	0.0	0,0,0	-0.02	-0.01	-0.01	70,72,73
	50.4	0.03	0.21	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
300	0.0	0.04	0.26	0.05	70,70,73	0.0	0.0	0.0	0,0,0	0.01	0.01	0.01	70,72,73
	50.4	0.02	0.21	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
301	0.0	0.04	0.26	0.05	70,70,73	0.0	0.0	0.0	0,0,0	0.02	0.01	0.01	70,72,73
	50.4	0.03	0.21	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
302	0.0	0.03	0.19	0.04	70,70,73	0.0	0.0	0.0	0,0,0	0.01	0.01	0.01	70,72,73
	50.4	0.02	0.16	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
303	0.0	5.95e-03	7.35e-03	7.27e-03	70,69,73	0.0	0.0	0.0	0,0,0	-3.92e-03	-3.66e-03	-3.59e-03	70,72,73
	50.6	1.75e-03	9.37e-04	2.13e-03	70,70,73	0.0	0.0	0.0	0,0,0				
304	0.0	4.89e-03	2.91e-03	5.80e-03	70,70,73	0.0	0.0	0.0	0,0,0	-9.49e-04	-9.49e-04	-9.49e-04	69,71,73
	50.6	9.11e-03	5.06e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
305	0.0	8.34e-03	0.02	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-4.12e-03	-4.12e-03	-4.12e-03	69,71,73
	50.6	1.96e-03	5.78e-03	2.07e-03	70,69,73	0.0	0.0	0.0	0,0,0				
306	0.0	8.49e-03	0.02	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-4.48e-03	-4.44e-03	-4.43e-03	70,72,73
	50.6	1.61e-03	7.06e-03	1.47e-03	70,69,73	0.0	0.0	0.0	0,0,0				
307	0.0	4.22e-03	0.13	3.76e-03	70,70,73	0.0	0.0	0.0	0,0,0	-0.02	-0.02	-0.02	70,72,73
	57.9	0.07	0.27	0.09	70,70,73	0.0	0.0	0.0	0,0,0				
308	0.0	0.09	0.15	0.11	70,70,73	0.0	0.0	0.0	0,0,0	-0.03	-0.03	-0.03	70,72,73
	238.5	0.06	0.07	0.08	70,70,73	0.0	0.0	0.0	0,0,0				
	477.0	0.10	0.17	0.12	70,70,73	0.0	0.0	0.0	0,0,0				
309	0.0	0.02	0.04	0.03	70,70,73	0.0	0.0	0.0	0,0,0	-0.03	-0.03	-0.03	70,72,73
	143.7	0.05	0.13	0.06	70,70,73	0.0	0.0	0.0	0,0,0				
	287.5	8.83e-03	8.48e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
310	0.0	6.63e-03	3.88e-03	7.61e-03	70,70,73	0.0	0.0	0.0	0,0,0	-4.11e-03	-4.06e-03	-4.05e-03	70,72,73
	50.6	7.88e-03	4.57e-03	9.06e-03	70,70,73	0.0	0.0	0.0	0,0,0				
311	0.0	0.0	0.09	0.0	0,70,0	0.0	0.0	0.0	0,0,0	1.25e-03	1.25e-03	1.25e-03	69,71,73
	51.0	0.0	0.10	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
312	0.0	0.01	6.47e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-2.24e-03	-2.24e-03	-2.24e-03	69,71,73
	50.6	0.01	6.80e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
313	0.0	9.57e-03	5.66e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-1.18e-03	-1.18e-03	-1.18e-03	69,71,73
	50.6	0.01	6.10e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
314	0.0	0.01	0.07	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-2.85e-03	-2.84e-03	-2.84e-03	70,72,73
	46.6	0.0	0.04	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
315	0.0	0.03	0.05	0.03	70,70,73	0.0	0.0	0.0	0,0,0	-6.42e-03	-5.99e-03	-5.88e-03	70,72,73
	37.5	3.32e-04	0.01	4.43e-04	69,70,73	0.0	0.0	0.0	0,0,0				
316	0.0	3.56e-03	2.14e-03	3.93e-03	70,70,73	0.0	0.0	0.0	0,0,0	-4.65e-03	-4.61e-03	-4.60e-03	70,72,73
	50.6	5.60e-03	3.22e-03	6.33e-03	70,70,73	0.0	0.0	0.0	0,0,0				
317	0.0	0.0	0.16	0.0	0,70,0	0.0	0.0	0.0	0,0,0	7.50e-03	7.04e-03	6.92e-03	70,72,73
	50.4	0.0	0.14	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
318	0.0	0.01	0.12	0.02	70,70,73	0.0	0.0	0.0	0,0,0	0.02	0.02	0.02	70,72,73
	85.7	1.43e-03	0.09	1.91e-03	69,70,73	0.0	0.0	0.0	0,0,0				
	171.4	0.05	0.19	0.05	70,70,73	0.0	0.0	0.0	0,0,0				
319	0.0	0.02	0.06	0.02	70,70,73	0.0	0.0	0.0	0,0,0	-1.80e-04	-1.80e-04	-1.80e-04	69,71,73
	46.4	0.02	0.07	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
320	0.0	0.0	0.02	0.0	0,70,0	0.0	0.0	0.0	0,0,0	-1.29e-03	-1.29e-03	-1.29e-03	69,71,73
	50.4	0.0	0.02	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
321	0.0	0.0	0.18	0.0	0,70,0	0.0	0.0	0.0	0,0,0	9.03e-03	8.94e-03	8.92e-03	70,72,73
	50.4	0.0	0.15	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
322	0.0	5.08e-03	0.02	6.11e-03	70,70,73	0.0	0.0	0.0	0,0,0	3.79e-03	3.11e-03	2.94e-03	70,72,73
	48.2	4.68e-03	0.02	5.65e-03	70,70,73	0.0	0.0	0.0	0,0,0				
323	0.0	0.03	0.03	0.03	70,70,73	0.0	0.0	0.0	0,0,0	8.86e-03	7.47e-03	7.12e-03	70,72,73
	85.5	0.03	0.02	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
	171.0	0.05	0.04	0.05	70,70,73	0.0	0.0	0.0	0,0,0				
324	0.0	3.19e-03	1.74e-03	3.44e-03	70,70,73	0.0	0.0	0.0	0,0,0	1.80e-03	1.08e-03	9.04e-04	70,72,73

	50.6	0.03	0.03	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
325	0.0	0.13	0.36	0.16	70,70,73	0.0	0.0	0.0	0,0,0	0.03	0.03	0.03	70,72,73
	238.5	0.05	0.17	0.05	70,70,73	0.0	0.0	0.0	0,0,0				
	477.0	0.15	0.39	0.18	70,70,73	0.0	0.0	0.0	0,0,0				
326	0.0	4.04e-03	0.02	4.18e-03	70,70,73	0.0	0.0	0.0	0,0,0	-1.48e-03	-1.30e-03	-1.26e-03	70,72,73
	45.0	0.01	0.03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
327	0.0	0.0	0.12	0.0	0,70,0	0.0	0.0	0.0	0,0,0	1.29e-03	1.03e-03	9.62e-04	70,72,73
	51.0	0.0	0.11	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
328	0.0	0.02	0.05	0.02	70,70,73	0.0	0.0	0.0	0,0,0	-9.00e-03	-8.68e-03	-8.61e-03	70,72,73
	46.5	9.01e-03	0.03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
329	0.0	3.62e-04	2.16e-04	4.82e-04	69,69,73	0.0	0.0	0.0	0,0,0	-2.82e-03	-2.68e-03	-2.65e-03	70,72,73
	62.1	6.96e-03	4.60e-03	8.21e-03	70,70,73	0.0	0.0	0.0	0,0,0				
330	0.0	0.02	0.18	0.02	70,70,73	0.0	0.0	0.0	0,0,0	9.54e-03	8.90e-03	8.74e-03	70,72,73
	50.4	0.0	0.15	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
331	0.0	0.02	0.22	0.03	70,70,73	0.0	0.0	0.0	0,0,0	-0.01	-0.01	-0.01	70,72,73
	50.4	0.0	0.17	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
332	0.0	0.02	0.21	0.03	70,70,73	0.0	0.0	0.0	0,0,0	0.01	0.01	0.01	70,72,73
	50.4	0.0	0.17	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
333	0.0	0.02	0.22	0.03	70,70,73	0.0	0.0	0.0	0,0,0	0.01	0.01	0.01	70,72,73
	50.4	0.0	0.18	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
334	0.0	0.01	0.16	0.02	70,70,73	0.0	0.0	0.0	0,0,0	0.01	0.01	9.88e-03	70,72,73
	50.4	0.0	0.14	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
335	0.0	2.48e-03	1.41e-03	2.85e-03	70,70,73	0.0	0.0	0.0	0,0,0	-4.04e-03	-3.78e-03	-3.72e-03	70,72,73
	50.6	2.92e-03	1.70e-03	3.16e-03	70,70,73	0.0	0.0	0.0	0,0,0				
336	0.0	0.01	0.02	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-3.13e-03	-3.13e-03	-3.13e-03	69,71,73
	50.6	1.69e-03	3.72e-03	0.0	70,70,0	0.0	0.0	0.0	0,0,0				
337	0.0	3.28e-03	1.83e-03	3.94e-03	70,69,73	0.0	0.0	0.0	0,0,0	-4.39e-03	-4.39e-03	-4.39e-03	69,71,73
	50.6	1.92e-03	1.11e-03	2.01e-03	70,70,73	0.0	0.0	0.0	0,0,0				
338	0.0	3.46e-03	2.37e-03	4.15e-03	70,69,73	0.0	0.0	0.0	0,0,0	-4.79e-03	-4.73e-03	-4.72e-03	70,72,73
	50.6	1.80e-03	1.05e-03	1.83e-03	70,70,73	0.0	0.0	0.0	0,0,0				
339	0.0	6.94e-03	3.36e-03	5.62e-03	70,70,73	0.0	0.0	0.0	0,0,0	3.97e-04	3.59e-04	3.50e-04	70,72,73
	50.9	4.41e-03	2.01e-03	5.81e-03	70,70,73	0.0	0.0	0.0	0,0,0				
340	0.0	0.10	0.16	0.12	70,70,73	0.0	0.0	0.0	0,0,0	0.05	-0.05	-0.04	70,72,73
	238.5	0.09	0.10	0.11	70,70,73	0.0	0.0	0.0	0,0,0				
	477.0	0.06	0.09	0.07	70,70,73	0.0	0.0	0.0	0,0,0				
341	0.0	5.00e-03	0.02	5.87e-03	70,70,73	0.0	0.0	0.0	0,0,0	5.54e-03	5.44e-03	5.41e-03	70,72,73
	48.8	7.28e-03	0.03	8.78e-03	70,70,73	0.0	0.0	0.0	0,0,0				
342	0.0	2.22e-03	0.02	0.0	70,70,0	0.0	0.0	0.0	0,0,0	-2.44e-03	-1.93e-03	-1.80e-03	70,72,73
	40.3	1.36e-03	0.02	0.0	70,70,0	0.0	0.0	0.0	0,0,0				
343	0.0	0.02	0.06	0.02	70,70,73	0.0	0.0	0.0	0,0,0	-4.79e-03	-4.49e-03	-4.41e-03	70,72,73
	46.5	0.0	0.02	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
344	0.0	0.01	5.91e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0	-3.18e-03	-3.18e-03	-3.18e-03	69,71,73
	50.6	0.01	6.32e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
345	0.0	8.60e-03	5.09e-03	9.82e-03	70,70,73	0.0	0.0	0.0	0,0,0	-1.87e-03	-1.87e-03	-1.87e-03	69,71,73
	50.6	9.18e-03	5.44e-03	0.01	70,70,73	0.0	0.0	0.0	0,0,0				
346	0.0	0.0	0.03	0.0	0,70,0	0.0	0.0	0.0	0,0,0	3.41e-03	2.94e-03	2.82e-03	70,72,73
	46.6	0.03	0.10	0.04	70,70,73	0.0	0.0	0.0	0,0,0				
347	0.0	0.02	0.03	0.02	70,70,73	0.0	0.0	0.0	0,0,0	-4.26e-03	-4.00e-03	-3.93e-03	70,72,73
	37.5	0.03	0.04	0.03	70,70,73	0.0	0.0	0.0	0,0,0				
348	0.0	0.04	0.04	0.04	70,70,73	0.0	0.0	0.0	0,0,0	0.04	0.03	0.03	70,72,73
	85.5	0.02	6.77e-03	0.02	70,70,73	0.0	0.0	0.0	0,0,0				
	171.0	0.08	0.08	0.09	70,70,73	0.0	0.0	0.0	0,0,0				
349	0.0	0.0	0.05	0.0	0,70,0	0.0	0.0	0.0	0,0,0	1.88e-03	1.50e-03	1.41e-03	70,72,73
	50.9	0.0	0.06	0.0	0,70,0	0.0	0.0	0.0	0,0,0				
350	0.0	0.04	0.06	0.05	70,69,73	0.0	0.0	0.0	0,0,0	0.03	0.03	0.02	70,72,73
	113.7	0.07	0.12	0.08	70,70,73	0.0	0.0	0.0	0,0,0				
Trave	rRfck	rRfyk	rPfck	wR	wF	wP	dR	dF	dP				
	0.15	0.40	0.18	0.0	0.0	0.0	-0.06	-0.07	-0.07				
							0.08	0.04	0.04				

VERIFICHE ELEMENTI MURATURA

In tabella vengono riportati per ogni elemento il numero dello stesso ed il codice di verifica.

Le verifiche sono state condotte secondo le Norme Tecniche 17 Gennaio 2018.

In particolare sono previste le seguenti verifiche:

Par. 4.5.6.2 Verifiche agli stati limite ultimi, con riferimento in particolare a carichi laterali (fuori dal piano del muro) in assenza di sisma e a stabilità

Par. 7.8.2.2.3 Verifiche a pressoflessione per carichi laterali (fuori dal piano del muro) in presenza di sisma

Par. 7.8.2.2.1 Verifiche a pressoflessione nel piano del muro (in tutte le combinazioni)

Par. 7.8.2.2.2 Verifiche a taglio per azioni nel piano del muro (in tutte le combinazioni)

Par. 7.8.2.2.4 Travi in muratura, con riferimento alle verifiche a flessione e taglio

Con riferimento ai punti succitati le verifiche vengono così tabulate:

Setto/Fascia/Elem.	numero del macroelemento (D3) o elemento (D2) considerato	
Mat.	Materiale	
s=,m=	Indice della sezione e del materiale assegnati all' elemento (per D2)	
Spessore	spessore dell'elemento	
Stato	ok L	elemento verificato (stati limite ultimi)
	ok T	elemento verificato (tensioni)
	NV L	elemento non verificato (stati limite ultimi)
	NV T	elemento non verificato (tensioni)

Nodo/Pos.	numero del nodo appartenente al setto / posizione relativa al nodo I per D2
h0/t	valore della snellezza convenzionale
Ecc/t (M)	massimo valore del rapporto e1/t o e2/t
Ecc/t	valore del rapporto di eccentricità trasversale utilizzato per la verifica a taglio - Par. 7.8.2.2.2
Fi t	fattore fi per la riduzione della resistenza in funzione dell'eccentricità trasversale calcolato con Ecc/t
P/A	tensione verticale media (Ao relativamente alla verifica di pressoflessione per carichi laterali in assenza di sisma, Ao(s) relativamente alla verifica di pressoflessione per carichi laterali in presenza di sisma, Ap relativamente alla verifica a pressoflessione nel piano del muro, Av relativamente alla verifica a taglio nel piano del muro per edifici esistenti formula C8.7.1.16 della circolare 21-01-19)
P/Acv	tensione verticale media nella parte compressa, utilizzata nella verifica a taglio nel piano del muro
V. Mo	rapporto tra l' azione assiale di progetto e l' azione assiale ultima in relazione alla verifica Par. 4.5.6.2 (pressoflessione ortogonale) effettuato per le combinazioni senza sisma
V. Mo(S)	rapporto tra l' azione assiale di progetto e l' azione assiale ultima in relazione alla verifica Par. 7.8.2.2.3 (pressoflessione ortogonale) effettuato per le combinazioni con sisma
V. Mp	rapporto tra il momento di progetto e il momento Mrd in relazione alla verifica Par. 7.8.2.2.1 (pressoflessione complanare) effettuato per tutte le combinazioni
Ver. V	rapporto il taglio di progetto e il taglio ultimo in relazione alla verifica Par. 7.8.2.2.2 (taglio complanare) o C8.7.1.16 della circolare 21-01-19 per edifici esistenti effettuato per tutte le combinazioni
	Per travi in muratura:
Ver. V	rapporto tra il taglio di progetto e il minore dei tagli resistenti Vp e Vt in relazione alla verifica del par. 7.8.2.2.3
Rif. cmb	Combinazioni in cui si hanno i massimi valori dei rapporti V. Mo, V. Mo(S), V. Mp, Ver. V

Affinché l'elemento sia verificato deve essere:

h0/t	non superiore a 20 e al limite imposto per zona sismica e tecnica costruttiva (12)
Ecc/t (M)	non superiore a 0.33
V.Mo, V.Mo(S), V.Mp, Ver.V	non superiore a 1

Setto	Mat.									Spessore	Gamma non sis.		Gamma sis.	Stato
										cm				
1	Danesi - Poroton P800 38.19.25 e malta di classe M10 -muratura E = 6.530e+04								24.0	3.00		2.40	ok L	
Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/Ap	P/Acv	Ver Mo	Ver Mo(S)	Ver Mp	Ver. V	Rif. cmb	
					daN/cm2	daN/cm2	daN/cm2	daN/cm2						
24	8.7	0.08	0.08	0.65	1.46	0.97	0.98	-0.94	0.10	0.13	0.23	0.10 (MC)	2,19,24,23	
39	8.7	0.09	0.09	0.63	1.45	0.96	0.96	-0.93	0.11	0.08	0.20	0.09 (MC)	2,16,24,23	
59	8.7	0.07	0.06	0.71	1.46	0.98	0.99	-0.94	0.09	0.23	0.30	0.13 (MC)	2,19,24,23	
60	8.7	0.09	0.09	0.63	1.45	0.96	0.96	-0.93	0.11	0.08	0.20	0.09 (MC)	2,16,24,23	
66	8.7	0.09	0.09	0.63	1.45	0.96	0.96	-0.93	0.11	0.08	0.20	0.09 (MC)	2,16,24,23	
192	8.7	0.09	0.09	0.63	1.45	0.96	0.96	-0.93	0.11	0.08	0.20	0.09 (MC)	2,16,24,23	
194	8.7	0.08	0.08	0.65	1.46	0.97	0.98	-0.94	0.10	0.13	0.23	0.10 (MC)	2,19,24,23	
198	8.7	0.09	0.09	0.63	1.45	0.89	0.95	-0.91	0.11	0.08	0.17	0.13 (MC)	2,6,8,27	
200	8.7	0.09	0.09	0.62	1.45	0.90	0.94	-0.92	0.11	0.10	0.26	0.09 (MC)	2,10,8,26	
205	8.7	0.07	0.06	0.71	1.46	0.98	0.99	-0.94	0.09	0.23	0.30	0.13 (MC)	2,19,24,23	
212	8.7	0.07	0.06	0.71	1.46	0.98	0.99	-0.94	0.09	0.23	0.30	0.13 (MC)	2,19,24,23	
217	8.7	0.07	0.07	0.68	1.48	0.98	0.99	-0.94	0.10	0.23	0.30	0.13 (MC)	2,19,24,23	
322	8.7	0.07	0.07	0.68	1.48	0.98	0.99	-0.94	0.10	0.23	0.30	0.13 (MC)	2,19,24,23	
329	8.7	0.07	0.07	0.68	1.48	0.98	0.99	-0.94	0.10	0.23	0.30	0.13 (MC)	2,19,24,23	
331	8.7	0.08	0.07	0.66	1.47	0.98	1.00	-0.95	0.10	0.19	0.27	0.11 (MC)	2,19,24,23	
336	8.7	0.08	0.08	0.65	1.46	0.97	0.98	-0.94	0.10	0.13	0.23	0.10 (MC)	2,19,24,23	
368	8.7	0.08	0.07	0.66	1.47	0.98	1.00	-0.95	0.10	0.19	0.27	0.11 (MC)	2,19,24,23	
401	8.7	0.07	0.07	0.68	1.48	0.98	0.99	-0.94	0.10	0.23	0.30	0.13 (MC)	2,19,24,23	
415	8.7	0.09	0.09	0.63	1.45	0.89	0.92	-0.91	0.11	0.09	0.18	0.12 (MC)	2,10,8,27	
417	8.7	0.07	0.06	0.71	1.46	0.98	0.99	-0.94	0.09	0.23	0.30	0.13 (MC)	2,19,24,23	
434	8.7	0.08	0.07	0.66	1.47	0.98	1.00	-0.95	0.10	0.19	0.27	0.11 (MC)	2,19,24,23	
435	8.7	0.07	0.06	0.71	1.46	0.98	0.99	-0.94	0.09	0.23	0.30	0.13 (MC)	2,19,24,23	
446	8.7	0.08	0.08	0.65	1.46	0.97	0.98	-0.94	0.10	0.13	0.23	0.10 (MC)	2,19,24,23	
451	8.7	0.09	0.09	0.63	1.45	0.96	0.96	-0.93	0.11	0.08	0.20	0.09 (MC)	2,16,24,23	
458	8.7	0.09	0.09	0.63	1.45	0.89	0.95	-0.91	0.11	0.09	0.17	0.13 (MC)	2,10,8,27	

471	8.7	0.09	0.09	0.63	1.45	0.90	0.93	-0.91	0.11	0.10	0.24	0.09 (MC)	2,10,8,27
480	8.7	0.09	0.09	0.63	1.45	0.96	0.96	-0.93	0.11	0.08	0.20	0.09 (MC)	2,16,24,23
528	8.7	0.09	0.09	0.63	1.45	0.89	0.92	-0.91	0.11	0.09	0.20	0.11 (MC)	2,10,8,27
592	8.7	0.07	0.07	0.68	1.48	0.98	0.99	-0.94	0.10	0.23	0.30	0.13 (MC)	2,19,24,23
621	8.7	0.07	0.06	0.71	1.46	0.98	0.99	-0.94	0.09	0.23	0.30	0.13 (MC)	2,19,24,23
756	8.7	0.07	0.06	0.71	1.46	0.98	0.99	-0.94	0.09	0.23	0.30	0.13 (MC)	2,19,24,23
838	8.7	0.07	0.06	0.71	1.46	0.98	0.99	-0.94	0.09	0.23	0.30	0.13 (MC)	2,19,24,23
921	8.7	0.07	0.07	0.68	1.48	0.98	0.99	-0.94	0.10	0.23	0.30	0.13 (MC)	2,19,24,23
940	8.7	0.08	0.07	0.66	1.47	0.98	1.00	-0.95	0.10	0.19	0.27	0.11 (MC)	2,19,24,23
980	8.7	0.08	0.07	0.66	1.47	0.98	1.00	-0.95	0.10	0.19	0.27	0.11 (MC)	2,19,24,23
988	8.7	0.08	0.08	0.65	1.46	0.97	0.98	-0.94	0.10	0.13	0.23	0.10 (MC)	2,19,24,23
996	8.7	0.07	0.07	0.68	1.48	0.98	0.99	-0.94	0.10	0.23	0.30	0.13 (MC)	2,19,24,23
1028	8.7	0.09	0.09	0.63	1.45	0.96	0.96	-0.93	0.11	0.08	0.20	0.09 (MC)	2,16,24,23
1051	8.7	0.08	0.07	0.66	1.47	0.98	1.00	-0.95	0.10	0.19	0.27	0.11 (MC)	2,19,24,23
1056	8.7	0.08	0.08	0.65	1.46	0.97	0.98	-0.94	0.10	0.13	0.23	0.10 (MC)	2,19,24,23
1058	8.7	0.09	0.09	0.63	1.45	0.89	0.95	-0.91	0.11	0.09	0.17	0.11 (MC)	2,10,8,27
1059	8.7	0.07	0.06	0.71	1.46	0.98	0.99	-0.94	0.09	0.23	0.30	0.13 (MC)	2,19,24,23
1061	8.7	0.07	0.07	0.68	1.48	0.98	0.99	-0.94	0.10	0.23	0.30	0.13 (MC)	2,19,24,23
1062	8.7	0.07	0.07	0.68	1.48	0.98	0.99	-0.94	0.10	0.23	0.30	0.13 (MC)	2,19,24,23
1063	8.7	0.08	0.07	0.66	1.47	0.98	1.00	-0.95	0.10	0.19	0.27	0.11 (MC)	2,19,24,23
1064	8.7	0.08	0.07	0.66	1.47	0.98	1.00	-0.95	0.10	0.19	0.27	0.11 (MC)	2,19,24,23
1065	8.7	0.08	0.08	0.65	1.46	0.97	0.98	-0.94	0.10	0.13	0.23	0.10 (MC)	2,19,24,23
1066	8.7	0.08	0.08	0.65	1.46	0.97	0.98	-0.94	0.10	0.13	0.23	0.10 (MC)	2,19,24,23
...													
1149	8.7	0.08	0.08	0.65	1.46	0.97	0.98	-0.94	0.10	0.13	0.23	0.10 (MC)	2,19,24,23
Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/Ap	P/Acv	Ver Mo	Ver Mo(S)	Ver Mp		
	8.75	0.09	0.09	0.62	1.48	0.98	1.00	-0.91	0.11	0.23	0.30		

Setto	Mat.								Spessore	Gamma non sis.		Gamma sis.	Stato
									cm				
2	Danesi - Poroton P800 38.19.25 e malta di classe M10 -muratura E = 6.530e+04								24.0	3.00		2.40	ok L
Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/AP	P/Act	Ver Mo	Ver Mo(S)	Ver Mp	Ver. V	Rif. cmb
					daN/cm2	daN/cm2	daN/cm2	daN/cm2					
53	10.4	0.08	0.08	0.60	1.02	0.79	0.70	-1.02	0.08	0.09	0.20	0.15 (MC)	2,21,20,2
75	10.4	0.08	0.08	0.60	1.02	0.79	0.65	-0.65	0.08	0.09	0.21	0.18 (MC)	2,21,20,14
90	10.4	0.06	0.06	0.66	0.96	0.74	0.65	-0.60	0.07	0.03	0.21	0.21 (MC)	2,21,20,14
97	10.4	0.08	0.08	0.60	1.02	0.79	0.70	-1.02	0.08	0.09	0.20	0.15 (MC)	2,21,20,2
98	10.4	0.06	0.05	0.69	0.88	0.59	0.58	-0.60	0.06	0.04	0.21	0.21 (MC)	2,21,20,14
99	10.4	0.08	0.08	0.60	1.02	0.79	0.65	-0.65	0.08	0.09	0.21	0.18 (MC)	2,21,20,14
100	10.4	0.06	0.06	0.66	0.96	0.74	0.65	-0.60	0.07	0.03	0.21	0.21 (MC)	2,21,20,14
101	10.4	0.06	0.05	0.69	0.88	0.59	0.58	-0.60	0.06	0.04	0.21	0.21 (MC)	2,21,20,14
102	10.4	0.09	0.09	0.59	0.72	0.53	0.72	-0.55	0.06	0.09	0.19	0.21 (MC)	2,21,2,14
103	10.4	0.09	0.09	0.59	0.72	0.53	0.72	-0.50	0.06	0.09	0.19	0.18 (MC)	2,21,2,14
104	10.4	0.09	0.09	0.59	0.72	0.53	0.72	-0.55	0.06	0.09	0.19	0.21 (MC)	2,21,2,14
105	10.4	0.08	0.08	0.60	1.02	0.79	0.70	-1.02	0.08	0.09	0.20	0.15 (MC)	2,21,20,2
106	10.4	0.09	0.09	0.59	0.72	0.53	0.72	-0.50	0.06	0.09	0.19	0.18 (MC)	2,21,2,14
107	10.4	0.08	0.08	0.60	1.02	0.79	0.65	-0.65	0.08	0.09	0.21	0.18 (MC)	2,21,20,14
108	10.4	0.06	0.06	0.66	0.96	0.74	0.65	-0.60	0.07	0.03	0.21	0.21 (MC)	2,21,20,14
109	10.4	0.06	0.05	0.69	0.88	0.59	0.58	-0.60	0.06	0.04	0.21	0.21 (MC)	2,21,20,14
110	10.4	0.09	0.09	0.59	0.72	0.53	0.72	-0.55	0.06	0.09	0.19	0.21 (MC)	2,21,2,14
111	10.4	0.09	0.09	0.59	0.72	0.53	0.72	-0.50	0.06	0.09	0.19	0.18 (MC)	2,21,2,14
113	10.4	0.08	0.08	0.60	1.02	0.79	0.70	-1.02	0.08	0.09	0.20	0.15 (MC)	2,21,20,2
115	10.4	0.08	0.08	0.60	1.02	0.79	0.65	-0.65	0.08	0.09	0.21	0.18 (MC)	2,21,20,14
116	10.4	0.06	0.06	0.66	0.96	0.74	0.65	-0.60	0.07	0.03	0.21	0.21 (MC)	2,21,20,14
117	10.4	0.06	0.05	0.69	0.88	0.59	0.58	-0.60	0.06	0.04	0.21	0.21 (MC)	2,21,20,14
118	10.4	0.09	0.09	0.59	0.72	0.53	0.72	-0.55	0.06	0.09	0.19	0.21 (MC)	2,21,2,14
119	10.4	0.09	0.09	0.59	0.72	0.53	0.72	-0.50	0.06	0.09	0.19	0.18 (MC)	2,21,2,14
121	10.4	0.08	0.08	0.60	1.02	0.79	0.70	-1.02	0.08	0.09	0.20	0.15 (MC)	2,21,20,2
123	10.4	0.08	0.08	0.60	1.02	0.79	0.65	-0.65	0.08	0.09	0.21	0.18 (MC)	2,21,20,14
124	10.4	0.06	0.06	0.66	0.96	0.74	0.65	-0.60	0.07	0.03	0.21	0.21 (MC)	2,21,20,14
125	10.4	0.06	0.05	0.69	0.88	0.59	0.58	-0.60	0.06	0.04	0.21	0.21 (MC)	2,21,20,14
126	10.4	0.09	0.09	0.59	0.72	0.53	0.72	-0.55	0.06	0.09	0.19	0.21 (MC)	2,21,2,14
127	10.4	0.09	0.09	0.59	0.72	0.53	0.72	-0.50	0.06	0.09	0.19	0.18 (MC)	2,21,2,14
129	10.4	0.08	0.08	0.60	1.02	0.79	0.70	-1.02	0.08	0.09	0.20	0.15 (MC)	2,21,20,2
131	10.4	0.08	0.08	0.60	1.02	0.79	0.65	-0.65	0.08	0.09	0.21	0.18 (MC)	2,21,20,14
132	10.4	0.06	0.06	0.66	0.96	0.74	0.65	-0.60	0.07	0.03	0.21	0.21 (MC)	2,21,20,14
133	10.4	0.06	0.05	0.69	0.88	0.59	0.58	-0.60	0.06	0.04	0.21	0.21 (MC)	2,21,20,14
134	10.4	0.09	0.09	0.59	0.72	0.53	0.72	-0.55	0.06	0.09	0.19	0.21 (MC)	2,21,2,14
135	10.4	0.09	0.09	0.59	0.72	0.53	0.72	-0.50	0.06	0.09	0.19	0.18 (MC)	2,21,2,14
137	10.4	0.08	0.08	0.60	1.02	0.79	0.70	-1.02	0.08	0.09	0.20	0.15 (MC)	2,21,20,2
139	10.4	0.08	0.08	0.60	1.02	0.79	0.65	-0.65	0.08	0.09	0.21	0.18 (MC)	2,21,20,14
140	10.4	0.06	0.06	0.66	0.96	0.74	0.65	-0.60	0.07	0.03	0.21	0.21 (MC)	2,21,20,14
141	10.4	0.06	0.05	0.69	0.88	0.59	0.58	-0.60	0.06	0.04	0.21	0.21 (MC)	2,21,20,14

142	10.4	0.09	0.09	0.59	0.72	0.53	0.72	-0.55	0.06	0.09	0.19	0.21 (MC)	2,21,2,14
143	10.4	0.09	0.09	0.59	0.72	0.53	0.72	-0.50	0.06	0.09	0.19	0.18 (MC)	2,21,2,14
145	10.4	0.08	0.08	0.60	1.02	0.79	0.70	-1.02	0.08	0.09	0.20	0.15 (MC)	2,21,20,2
147	10.4	0.08	0.08	0.60	1.02	0.79	0.65	-0.65	0.08	0.09	0.21	0.18 (MC)	2,21,20,14
148	10.4	0.06	0.06	0.66	0.96	0.74	0.65	-0.60	0.07	0.03	0.21	0.21 (MC)	2,21,20,14
149	10.4	0.06	0.05	0.69	0.88	0.59	0.58	-0.60	0.06	0.04	0.21	0.21 (MC)	2,21,20,14
150	10.4	0.09	0.09	0.59	0.72	0.53	0.72	-0.55	0.06	0.09	0.19	0.21 (MC)	2,21,2,14
151	10.4	0.09	0.09	0.59	0.72	0.53	0.72	-0.50	0.06	0.09	0.19	0.18 (MC)	2,21,2,14
...													
1058	10.4	0.09	0.09	0.59	0.72	0.53	0.72	-0.50	0.06	0.09	0.19	0.18 (MC)	2,21,2,14
Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/Ap	P/Acv	Ver Mo	Ver Mo(S)	Ver Mp		
	10.42	0.09	0.09	0.59	1.02	0.79	0.72	-0.50	0.08	0.09	0.21		

Setto	Mat.								Spessore	Gamma non sis.		Gamma sis.	Stato
									cm				
3	Danesi - Poroton P800 38.19.25 e malta di classe M10 -muratura E = 6.530e+04								24.0	3.00		2.40	ok L
Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/Ap	P/Acv	Ver Mo	Ver Mo(S)	Ver Mp	Ver. V	Rif. cmb
					daN/cm2	daN/cm2	daN/cm2	daN/cm2					
276	8.7	0.08	0.08	0.63	1.61	0.99	1.04	-1.01	0.12	0.09	0.19	0.10 (MC)	2,8,10,36
292	8.7	0.08	0.08	0.63	1.61	0.99	1.03	-1.01	0.12	0.09	0.23	0.10 (MC)	2,8,10,36
300	8.7	0.08	0.08	0.64	1.60	0.99	1.03	-1.01	0.12	0.09	0.23	0.10 (MC)	2,8,10,36
308	8.7	0.08	0.08	0.64	1.60	0.99	1.03	-1.00	0.11	0.09	0.21	0.09 (MC)	2,8,10,36
315	8.7	0.08	0.08	0.64	1.59	0.98	1.02	-1.00	0.11	0.09	0.19	0.10 (MC)	2,8,10,33
323	8.7	0.08	0.08	0.64	1.59	0.98	1.02	-1.00	0.11	0.08	0.18	0.11 (MC)	2,8,10,33
330	8.7	0.08	0.08	0.65	1.59	0.98	1.02	-1.00	0.11	0.08	0.16	0.12 (MC)	2,8,10,33
337	8.7	0.08	0.08	0.65	1.58	0.98	1.01	-1.00	0.11	0.08	0.15	0.14 (MC)	2,8,18,33
345	8.7	0.08	0.08	0.64	1.59	0.98	1.02	-1.00	0.11	0.08	0.14	0.14 (MC)	2,8,10,33
421	8.7	0.08	0.08	0.66	1.64	1.04	1.10	-1.05	0.11	0.26	0.26	0.13 (MC)	2,19,30,29
459	8.7	0.08	0.08	0.66	1.64	1.04	1.10	-1.05	0.11	0.26	0.26	0.13 (MC)	2,19,30,29
461	8.7	0.08	0.08	0.66	1.64	1.04	1.10	-1.05	0.11	0.26	0.26	0.13 (MC)	2,19,30,29
462	8.7	0.08	0.08	0.66	1.64	1.04	1.10	-1.05	0.11	0.26	0.26	0.13 (MC)	2,19,30,29
463	8.7	0.07	0.07	0.69	1.65	1.04	1.11	-1.05	0.11	0.19	0.23	0.11 (MC)	2,19,30,29
464	8.7	0.07	0.07	0.69	1.65	1.04	1.11	-1.05	0.11	0.19	0.23	0.11 (MC)	2,19,30,29
465	8.7	0.07	0.07	0.67	1.63	1.08	1.08	-1.07	0.11	0.11	0.20	0.10 (MC)	2,13,30,36
466	8.7	0.07	0.07	0.67	1.63	1.08	1.08	-1.07	0.11	0.11	0.20	0.10 (MC)	2,13,30,36
467	8.7	0.08	0.08	0.65	1.61	1.07	1.06	-1.03	0.11	0.07	0.18	0.10 (MC)	2,18,30,36
468	8.7	0.08	0.08	0.65	1.61	1.07	1.06	-1.03	0.11	0.07	0.18	0.10 (MC)	2,18,30,36
469	8.7	0.08	0.08	0.65	1.61	1.00	1.05	-1.03	0.11	0.06	0.15	0.10 (MC)	2,12,10,36
470	8.7	0.08	0.08	0.65	1.61	1.00	1.05	-1.03	0.11	0.06	0.15	0.10 (MC)	2,12,10,36
473	8.7	0.08	0.08	0.66	1.64	1.04	1.10	-1.05	0.11	0.26	0.26	0.13 (MC)	2,19,30,29
475	8.7	0.08	0.08	0.66	1.64	1.04	1.10	-1.05	0.11	0.26	0.26	0.13 (MC)	2,19,30,29
476	8.7	0.07	0.07	0.69	1.65	1.04	1.11	-1.05	0.11	0.19	0.23	0.11 (MC)	2,19,30,29
477	8.7	0.07	0.07	0.67	1.63	1.08	1.08	-1.07	0.11	0.11	0.20	0.10 (MC)	2,13,30,36
478	8.7	0.08	0.08	0.65	1.61	1.07	1.06	-1.03	0.11	0.07	0.18	0.10 (MC)	2,18,30,36
479	8.7	0.08	0.08	0.65	1.61	1.00	1.05	-1.03	0.11	0.06	0.15	0.10 (MC)	2,12,10,36
481	8.7	0.08	0.08	0.66	1.64	1.04	1.10	-1.05	0.11	0.26	0.26	0.13 (MC)	2,19,30,29
483	8.7	0.08	0.08	0.66	1.64	1.04	1.10	-1.05	0.11	0.26	0.26	0.13 (MC)	2,19,30,29
484	8.7	0.07	0.07	0.69	1.65	1.04	1.11	-1.05	0.11	0.19	0.23	0.11 (MC)	2,19,30,29
485	8.7	0.07	0.07	0.67	1.63	1.08	1.08	-1.07	0.11	0.11	0.20	0.10 (MC)	2,13,30,36
486	8.7	0.08	0.08	0.65	1.61	1.07	1.06	-1.03	0.11	0.07	0.18	0.10 (MC)	2,18,30,36
487	8.7	0.08	0.08	0.65	1.61	1.00	1.05	-1.03	0.11	0.06	0.15	0.10 (MC)	2,12,10,36
489	8.7	0.08	0.08	0.66	1.64	1.04	1.10	-1.05	0.11	0.26	0.26	0.13 (MC)	2,19,30,29
491	8.7	0.08	0.08	0.66	1.64	1.04	1.10	-1.05	0.11	0.26	0.26	0.13 (MC)	2,19,30,29
492	8.7	0.07	0.07	0.69	1.65	1.04	1.11	-1.05	0.11	0.19	0.23	0.11 (MC)	2,19,30,29
493	8.7	0.07	0.07	0.67	1.63	1.08	1.08	-1.07	0.11	0.11	0.20	0.10 (MC)	2,13,30,36
494	8.7	0.08	0.08	0.65	1.61	1.07	1.06	-1.03	0.11	0.07	0.18	0.10 (MC)	2,18,30,36
495	8.7	0.08	0.08	0.65	1.61	1.00	1.05	-1.03	0.11	0.06	0.15	0.10 (MC)	2,12,10,36
497	8.7	0.08	0.08	0.66	1.64	1.04	1.10	-1.05	0.11	0.26	0.26	0.13 (MC)	2,19,30,29
499	8.7	0.08	0.08	0.66	1.64	1.04	1.10	-1.05	0.11	0.26	0.26	0.13 (MC)	2,19,30,29
500	8.7	0.07	0.07	0.69	1.65	1.04	1.11	-1.05	0.11	0.19	0.23	0.11 (MC)	2,19,30,29
501	8.7	0.07	0.07	0.67	1.63	1.08	1.08	-1.07	0.11	0.11	0.20	0.10 (MC)	2,13,30,36
502	8.7	0.08	0.08	0.65	1.61	1.07	1.06	-1.03	0.11	0.07	0.18	0.10 (MC)	2,18,30,36
503	8.7	0.08	0.08	0.65	1.61	1.00	1.05	-1.03	0.11	0.06	0.15	0.10 (MC)	2,12,10,36
505	8.7	0.08	0.08	0.66	1.64	1.04	1.10	-1.05	0.11	0.26	0.26	0.13 (MC)	2,19,30,29
507	8.7	0.08	0.08	0.66	1.64	1.04	1.10	-1.05	0.11	0.26	0.26	0.13 (MC)	2,19,30,29
508	8.7	0.07	0.07	0.69	1.65	1.04	1.11	-1.05	0.11	0.19	0.23	0.11 (MC)	2,19,30,29
...													
606	8.7	0.08	0.08	0.65	1.61	0.98	1.05	-1.01	0.11	0.08	0.15	0.12 (MC)	2,8,10,33
Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/Ap	P/Acv	Ver Mo	Ver Mo(S)	Ver Mp		
	8.75	0.08	0.08	0.63	1.65	1.08	1.11	-1.00	0.12	0.26	0.26		

Setto	Mat.								Spessore	Gamma non sis.		Gamma sis.	Stato
									cm				
4	Danesi - Poroton P800 38.19.25 e malta di classe M10 -muratura E = 6.530e+04							24.0	3.00	2.40		ok L	
Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/AP	P/Acv	Ver Mo	Ver Mo(S)	Ver Mp	Ver. V	Rif. cmb
					daN/cm2	daN/cm2	daN/cm2	daN/cm2					
204	1.9	0.08	0.08	0.75	1.53	0.93	1.03	-1.53	0.09	0.32	0.23	0.41 (MC)	2,18,8,2
207	1.9	0.09	0.09	0.72	1.62	0.96	1.12	-1.59	0.10	0.37	0.29	0.37 (MC)	2,13,8,2
427	1.9	0.09	0.09	0.72	1.57	0.94	1.07	-1.55	0.10	0.36	0.26	0.41 (MC)	2,13,8,2
600	1.9	0.08	0.08	0.73	1.55	0.93	1.06	-1.54	0.10	0.35	0.25	0.42 (MC)	2,13,8,2
608	1.9	0.09	0.09	0.72	1.63	0.98	1.14	-1.58	0.10	0.36	0.31	0.37 (MC)	2,13,8,2
624	1.9	0.08	0.08	0.75	1.58	0.96	1.08	-1.58	0.10	0.32	0.29	0.37 (MC)	2,18,8,2
751	1.9	0.09	0.09	0.72	1.59	0.95	1.10	-1.57	0.10	0.37	0.27	0.40 (MC)	2,13,8,2
822	1.9	0.09	0.09	0.72	1.63	0.96	1.14	-1.62	0.10	0.37	0.31	0.35 (MC)	2,13,8,2
1069	1.9	0.08	0.08	0.75	1.58	0.96	1.08	-1.58	0.10	0.32	0.29	0.37 (MC)	2,18,8,2
1070	1.9	0.09	0.09	0.72	1.63	0.98	1.14	-1.58	0.10	0.36	0.31	0.37 (MC)	2,13,8,2
1079	1.9	0.09	0.09	0.72	1.63	0.96	1.14	-1.62	0.10	0.37	0.31	0.35 (MC)	2,13,8,2
1087	1.9	0.09	0.09	0.72	1.62	0.96	1.12	-1.59	0.10	0.37	0.29	0.37 (MC)	2,13,8,2
1095	1.9	0.09	0.09	0.72	1.59	0.95	1.10	-1.57	0.10	0.37	0.27	0.40 (MC)	2,13,8,2
1103	1.9	0.09	0.09	0.72	1.57	0.94	1.07	-1.55	0.10	0.36	0.26	0.41 (MC)	2,13,8,2
1111	1.9	0.08	0.08	0.73	1.55	0.93	1.06	-1.54	0.10	0.35	0.25	0.42 (MC)	2,13,8,2
1119	1.9	0.08	0.08	0.74	1.54	0.93	1.04	-1.54	0.10	0.33	0.24	0.42 (MC)	2,13,8,2
1127	1.9	0.08	0.08	0.75	1.53	0.93	1.03	-1.53	0.09	0.32	0.23	0.41 (MC)	2,18,8,2
1135	1.9	0.07	0.07	0.76	1.52	0.92	1.02	-1.52	0.09	0.30	0.21	0.41 (MC)	2,18,8,2
1136	1.9	0.07	0.07	0.76	1.52	0.92	1.02	-1.52	0.09	0.30	0.21	0.41 (MC)	2,18,8,2
1144	1.9	0.08	0.08	0.74	1.54	0.93	1.04	-1.54	0.10	0.33	0.24	0.42 (MC)	2,13,8,2

Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/Ap	P/Acv	Ver Mo	Ver Mo(S)	Ver Mp	Ver. V	Rif. cmb
				0.72									
	1.88	0.09	0.09		1.63	0.98	1.14	-1.52	0.10	0.37	0.31		

Setto	Mat.			Spessore	Gamma non sis.	Gamma sis.	Stato
				cm			
5	Danesi - Poroton P800 38.19.25 e malta di classe M10 -muratura E = 6.530e+04			24.0	3.00	2.40	ok L

Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/Ap	P/Acv	Ver Mo	Ver Mo(S)	Ver Mp	Ver. V	Rif. cmb
					daN/cm2	daN/cm2	daN/cm2	daN/cm2					
1	8.4	0.06	0.06	0.72	1.74	1.12	1.22	-1.08	0.11	0.03	0.39	0.15 (MC)	2,15,24,24
2	8.4	0.06	0.06	0.72	1.58	0.98	0.88	-1.08	0.10	0.03	0.38	0.15 (MC)	2,14,24,24
3	8.4	0.07	0.06	0.71	1.37	0.89	1.27	-0.93	0.09	0.04	0.41	0.15 (MC)	2,14,2,24
7	8.4	0.06	0.06	0.72	1.58	1.08	1.05	-1.08	0.10	0.01	0.37	0.15 (MC)	2,34,24,24
9	8.4	0.06	0.06	0.72	1.58	0.98	0.88	-1.08	0.10	0.03	0.38	0.15 (MC)	2,14,24,24
15	8.4	0.07	0.06	0.71	1.37	0.89	1.27	-0.93	0.09	0.04	0.41	0.15 (MC)	2,14,2,24
19	8.4	0.07	0.07	0.69	1.48	0.96	0.99	-0.86	0.10	0.05	0.51	0.15 (MC)	2,6,5,24
23	8.4	0.07	0.07	0.69	1.30	0.83	0.94	-0.85	0.09	0.04	0.50	0.15 (MC)	2,22,5,24
35	8.4	0.07	0.06	0.71	1.37	0.89	1.27	-0.93	0.09	0.04	0.41	0.15 (MC)	2,14,2,24
69	8.4	0.06	0.06	0.72	1.65	1.05	1.16	-1.28	0.10	0.04	0.44	0.07 (MC)	2,15,24,26
71	8.4	0.06	0.06	0.72	1.65	1.05	1.16	-1.28	0.10	0.04	0.44	0.07 (MC)	2,15,24,26
72	8.4	0.06	0.06	0.72	1.74	1.05	1.16	-1.28	0.11	0.04	0.44	0.11 (MC)	2,15,24,24
79	8.4	0.06	0.06	0.72	1.74	1.12	1.22	-1.08	0.11	0.03	0.39	0.15 (MC)	2,15,24,24
80	8.4	0.07	0.07	0.69	1.43	0.91	1.43	-1.04	0.10	0.04	0.49	0.14 (MC)	2,22,2,24
90	8.4	0.06	0.06	0.72	1.58	1.08	1.05	-1.08	0.10	0.01	0.37	0.15 (MC)	2,34,24,24
98	8.4	0.06	0.06	0.72	1.58	0.98	0.88	-1.08	0.10	0.03	0.38	0.15 (MC)	2,14,24,24
104	8.4	0.07	0.06	0.71	1.37	0.89	1.27	-0.93	0.09	0.04	0.41	0.15 (MC)	2,14,2,24
106	8.4	0.07	0.07	0.70	1.27	0.80	0.90	-0.85	0.08	0.04	0.47	0.15 (MC)	2,22,5,24
152	8.4	0.06	0.06	0.72	1.58	0.98	0.88	-1.08	0.10	0.03	0.38	0.15 (MC)	2,14,24,24
196	8.4	0.06	0.06	0.72	1.58	0.98	0.88	-1.08	0.10	0.03	0.38	0.15 (MC)	2,14,24,24
201	8.4	0.06	0.06	0.72	1.65	1.05	1.16	-1.28	0.10	0.04	0.44	0.07 (MC)	2,15,24,26
202	8.4	0.07	0.06	0.71	1.37	0.89	1.27	-0.93	0.09	0.04	0.41	0.15 (MC)	2,14,2,24
208	8.4	0.07	0.07	0.69	1.38	0.96	0.99	-0.86	0.09	0.05	0.51	0.15 (MC)	2,6,5,24
211	8.4	0.06	0.06	0.72	1.65	1.05	1.16	-1.28	0.10	0.04	0.44	0.07 (MC)	2,15,24,26
216	8.4	0.06	0.06	0.72	1.74	1.05	1.16	-1.28	0.11	0.04	0.44	0.11 (MC)	2,15,24,24
294	8.4	0.06	0.06	0.72	1.74	1.12	1.22	-1.08	0.11	0.03	0.39	0.15 (MC)	2,15,24,24
302	8.4	0.06	0.06	0.72	1.58	0.98	0.88	-1.08	0.10	0.03	0.38	0.15 (MC)	2,14,24,24
317	8.4	0.07	0.06	0.71	1.37	0.89	1.27	-0.93	0.09	0.04	0.41	0.15 (MC)	2,14,2,24
318	8.4	0.07	0.07	0.69	1.43	0.91	1.43	-0.86	0.10	0.04	0.49	0.15 (MC)	2,22,2,24
340	8.4	0.06	0.06	0.72	1.65	1.05	1.16	-1.28	0.10	0.04	0.44	0.07 (MC)	2,15,24,26
397	8.4	0.06	0.06	0.72	1.74	1.05	1.16	-1.28	0.11	0.04	0.44	0.11 (MC)	2,15,24,24
403	8.4	0.06	0.06	0.72	1.74	1.05	1.16	-1.28	0.11	0.04	0.44	0.11 (MC)	2,15,24,24
426	8.4	0.06	0.06	0.72	1.74	1.12	1.22	-1.08	0.11	0.03	0.39	0.15 (MC)	2,15,24,24
449	8.4	0.06	0.06	0.72	1.58	0.98	0.88	-1.08	0.10	0.03	0.38	0.15 (MC)	2,14,24,24

504	8.4	0.07	0.07	0.69	1.58	1.04	1.58	-0.86	0.10	0.04	0.50	0.15 (MC)	2,6,2,24
512	8.4	0.07	0.07	0.69	1.30	0.83	0.94	-0.85	0.09	0.04	0.50	0.15 (MC)	2,22,5,24
560	8.4	0.07	0.07	0.69	1.38	0.96	0.99	-0.89	0.09	0.05	0.51	0.15 (MC)	2,6,5,24
578	8.4	0.06	0.06	0.72	1.65	1.05	1.16	-1.28	0.10	0.04	0.44	0.07 (MC)	2,15,24,26
632	8.4	0.07	0.07	0.69	1.48	0.96	0.99	-0.95	0.10	0.05	0.51	0.13 (MC)	2,6,5,24
744	8.4	0.07	0.07	0.69	1.58	1.04	1.58	-1.14	0.10	0.04	0.50	0.12 (MC)	2,6,2,24
760	8.4	0.07	0.06	0.71	1.37	0.89	1.27	-0.93	0.09	0.04	0.41	0.15 (MC)	2,14,2,24
910	8.4	0.07	0.07	0.69	1.58	1.12	1.58	-1.04	0.10	0.04	0.50	0.14 (MC)	2,6,2,24
1004	8.4	0.07	0.07	0.69	1.58	1.12	1.58	-0.86	0.10	0.04	0.50	0.15 (MC)	2,6,2,24
1020	8.4	0.06	0.06	0.72	1.65	1.05	1.16	-1.28	0.10	0.04	0.44	0.07 (MC)	2,15,24,26
1036	8.4	0.06	0.06	0.72	1.74	1.05	1.16	-1.28	0.11	0.04	0.44	0.11 (MC)	2,15,24,24
1044	8.4	0.06	0.06	0.72	1.74	1.12	1.22	-1.08	0.11	0.03	0.39	0.15 (MC)	2,15,24,24

Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/Ap	P/Acv	Ver Mo	Ver Mo(S)	Ver Mp
	8.39	0.07	0.07	0.69	1.74	1.12	1.58	-0.85	0.11	0.05	0.51

Setto	Mat.	Spessore	Gamma non sis.	Gamma sis.	Stato
6	Danesi - Poroton P800 38.19.25 e malta di classe M10 -muratura E = 6.530e+04	cm			
		24.0	3.00	2.40	ok L

Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/Ap	P/Acv	Ver Mo	Ver Mo(S)	Ver Mp	Ver. V	Rif. cmb
				daN/cm2	daN/cm2	daN/cm2	daN/cm2						
49	10.4	0.10	0.10	0.57	0.96	0.70	0.66	-0.66	0.08	0.10	0.05	0.22 (MC)	2,31,20,20
57	10.4	0.10	0.10	0.57	0.96	0.70	0.66	-0.66	0.08	0.10	0.05	0.22 (MC)	2,31,20,20
346	10.4	0.10	0.10	0.57	1.51	1.13	0.99	-1.06	0.12	0.13	0.52	0.11 (MC)	2,31,20,17
347	10.4	0.10	0.10	0.57	1.51	1.13	0.99	-1.04	0.12	0.13	0.52	0.18 (MC)	2,31,20,20
348	10.4	0.08	0.08	0.62	1.38	0.97	0.91	-0.81	0.10	0.07	0.43	0.28 (MC)	2,11,20,20
349	10.4	0.06	0.06	0.66	1.21	0.76	0.81	-0.73	0.08	0.04	0.26	0.28 (MC)	2,36,20,20
350	10.4	0.10	0.10	0.57	0.96	0.70	0.73	-0.73	0.08	0.10	0.12	0.28 (MC)	2,31,20,20
351	10.4	0.10	0.10	0.57	0.96	0.70	0.66	-0.66	0.08	0.10	0.05	0.22 (MC)	2,31,20,20
353	10.4	0.10	0.10	0.57	1.51	1.13	0.99	-1.06	0.12	0.13	0.52	0.11 (MC)	2,31,20,17
355	10.4	0.10	0.10	0.57	1.51	1.13	0.99	-1.04	0.12	0.13	0.52	0.18 (MC)	2,31,20,20
356	10.4	0.08	0.08	0.62	1.38	0.97	0.91	-0.81	0.10	0.07	0.43	0.28 (MC)	2,11,20,20
357	10.4	0.06	0.06	0.66	1.21	0.76	0.81	-0.73	0.08	0.04	0.26	0.28 (MC)	2,36,20,20
358	10.4	0.10	0.10	0.57	0.96	0.70	0.73	-0.73	0.08	0.10	0.12	0.28 (MC)	2,31,20,20
359	10.4	0.10	0.10	0.57	0.96	0.70	0.66	-0.66	0.08	0.10	0.05	0.22 (MC)	2,31,20,20
361	10.4	0.10	0.10	0.57	1.51	1.13	0.99	-1.06	0.12	0.13	0.52	0.11 (MC)	2,31,20,17
363	10.4	0.10	0.10	0.57	1.51	1.13	0.99	-1.04	0.12	0.13	0.52	0.18 (MC)	2,31,20,20
364	10.4	0.08	0.08	0.62	1.38	0.97	0.91	-0.81	0.10	0.07	0.43	0.28 (MC)	2,11,20,20
365	10.4	0.06	0.06	0.66	1.21	0.76	0.81	-0.73	0.08	0.04	0.26	0.28 (MC)	2,36,20,20
366	10.4	0.10	0.10	0.57	0.96	0.70	0.73	-0.73	0.08	0.10	0.12	0.28 (MC)	2,31,20,20
367	10.4	0.10	0.10	0.57	0.96	0.70	0.66	-0.66	0.08	0.10	0.05	0.22 (MC)	2,31,20,20
369	10.4	0.10	0.10	0.57	1.51	1.13	0.99	-1.06	0.12	0.13	0.52	0.11 (MC)	2,31,20,17
371	10.4	0.10	0.10	0.57	1.51	1.13	0.99	-1.04	0.12	0.13	0.52	0.18 (MC)	2,31,20,20
372	10.4	0.08	0.08	0.62	1.38	0.97	0.91	-0.81	0.10	0.07	0.43	0.28 (MC)	2,11,20,20
373	10.4	0.06	0.06	0.66	1.21	0.76	0.81	-0.73	0.08	0.04	0.26	0.28 (MC)	2,36,20,20
374	10.4	0.10	0.10	0.57	0.96	0.70	0.73	-0.73	0.08	0.10	0.12	0.28 (MC)	2,31,20,20
375	10.4	0.10	0.10	0.57	0.96	0.70	0.66	-0.66	0.08	0.10	0.05	0.22 (MC)	2,31,20,20
377	10.4	0.10	0.10	0.57	1.51	1.13	0.99	-1.06	0.12	0.13	0.52	0.11 (MC)	2,31,20,17
379	10.4	0.10	0.10	0.57	1.51	1.13	0.99	-1.04	0.12	0.13	0.52	0.18 (MC)	2,31,20,20
380	10.4	0.08	0.08	0.62	1.38	0.97	0.91	-0.81	0.10	0.07	0.43	0.28 (MC)	2,11,20,20
381	10.4	0.06	0.06	0.66	1.21	0.76	0.81	-0.73	0.08	0.04	0.26	0.28 (MC)	2,36,20,20
382	10.4	0.10	0.10	0.57	0.96	0.70	0.73	-0.73	0.08	0.10	0.12	0.28 (MC)	2,31,20,20
383	10.4	0.10	0.10	0.57	0.96	0.70	0.66	-0.66	0.08	0.10	0.05	0.22 (MC)	2,31,20,20
385	10.4	0.10	0.10	0.57	1.51	1.13	0.99	-1.06	0.12	0.13	0.52	0.11 (MC)	2,31,20,17
387	10.4	0.10	0.10	0.57	1.51	1.13	0.99	-1.04	0.12	0.13	0.52	0.18 (MC)	2,31,20,20
388	10.4	0.08	0.08	0.62	1.38	0.97	0.91	-0.81	0.10	0.07	0.43	0.28 (MC)	2,11,20,20
389	10.4	0.06	0.06	0.66	1.21	0.76	0.81	-0.73	0.08	0.04	0.26	0.28 (MC)	2,36,20,20
601	10.4	0.10	0.10	0.57	1.51	1.13	0.99	-1.06	0.12	0.13	0.52	0.11 (MC)	2,31,20,17
602	10.4	0.10	0.10	0.57	1.51	1.13	0.99	-1.04	0.12	0.13	0.52	0.18 (MC)	2,31,20,20
603	10.4	0.08	0.08	0.62	1.38	0.97	0.91	-0.81	0.10	0.07	0.43	0.28 (MC)	2,11,20,20
604	10.4	0.06	0.06	0.66	1.21	0.76	0.81	-0.73	0.08	0.04	0.26	0.28 (MC)	2,36,20,20
605	10.4	0.10	0.10	0.57	0.96	0.70	0.73	-0.73	0.08	0.10	0.12	0.28 (MC)	2,31,20,20
606	10.4	0.10	0.10	0.57	0.96	0.70	0.66	-0.66	0.08	0.10	0.05	0.22 (MC)	2,31,20,20
1074	10.4	0.08	0.08	0.62	1.38	0.97	0.91	-0.81	0.10	0.07	0.43	0.28 (MC)	2,11,20,20
1082	10.4	0.10	0.10	0.57	1.51	1.13	0.99	-1.04	0.12	0.13	0.52	0.18 (MC)	2,31,20,20
1090	10.4	0.06	0.06	0.66	1.21	0.76	0.81	-0.73	0.08	0.04	0.26	0.28 (MC)	2,36,20,20
1098	10.4	0.10	0.10	0.57	0.96	0.70	0.73	-0.73	0.08	0.10	0.12	0.28 (MC)	2,31,20,20
1130	10.4	0.10	0.10	0.57	0.96	0.70	0.73	-0.73	0.08	0.10	0.12	0.28 (MC)	2,31,20,20
1138	10.4	0.10	0.10	0.57	1.51	1.13	0.99	-1.06	0.12	0.13	0.52	0.11 (MC)	2,31,20,17

Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/Ap	P/Acv	Ver Mo	Ver Mo(S)	Ver Mp
	10.42	0.10	0.10	0.57	1.51	1.13	0.99	-0.66	0.12	0.13	0.52

Setto	Mat.									Spessore	Gamma non sis.		Gamma sis.	Stato
										cm				
7	Danesi - Poroton P800 38.19.25 e malta di classe M10 -muratura E = 6.530e+04								24.0	3.00		2.40	ok L	
Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/Ap	P/Acv	Ver Mo	Ver Mo(S)	Ver Mp	Ver. V	Rif. cmb	
					daN/cm2	daN/cm2	daN/cm2	daN/cm2						
5	7.8	0.06	0.06	0.74	1.22	0.62	0.84	-0.64	0.08	0.02	0.16	0.17 (MC)	2,17,31,10	
13	7.8	0.06	0.06	0.73	1.18	0.77	0.74	-0.68	0.07	0.02	0.22	0.17 (MC)	2,11,18,10	
17	7.8	0.06	0.06	0.72	1.21	0.50	0.96	-0.56	0.08	0.09	0.19	0.11 (MC)	2,10,31,10	
21	7.8	0.06	0.06	0.73	1.18	0.77	0.74	-0.68	0.07	0.02	0.22	0.17 (MC)	2,11,18,10	
29	7.8	0.06	0.06	0.73	1.15	0.77	0.74	-0.74	0.07	0.02	0.22	0.17 (MC)	2,11,18,10	
33	7.8	0.06	0.05	0.74	1.23	0.56	0.92	-0.64	0.08	0.06	0.18	0.17 (MC)	2,6,31,10	
37	7.8	0.06	0.06	0.73	1.15	0.77	0.74	-0.74	0.07	0.02	0.22	0.17 (MC)	2,11,18,10	
76	7.8	0.06	0.06	0.74	1.22	0.62	0.84	-0.64	0.08	0.02	0.16	0.17 (MC)	2,17,31,10	
77	7.8	0.06	0.06	0.73	1.18	0.77	0.74	-0.68	0.07	0.02	0.22	0.17 (MC)	2,11,18,10	
195	7.8	0.06	0.06	0.73	1.15	0.77	0.74	-0.74	0.07	0.02	0.22	0.17 (MC)	2,11,18,10	
452	7.8	0.06	0.06	0.72	1.21	0.50	0.96	-1.13	0.08	0.09	0.19	0.07 (MC)	2,10,31,11	
474	7.8	0.06	0.06	0.72	1.21	0.50	0.96	-1.13	0.08	0.09	0.19	0.07 (MC)	2,10,31,11	
530	7.8	0.06	0.06	0.72	1.21	0.50	0.96	-1.13	0.08	0.09	0.19	0.07 (MC)	2,10,31,11	
656	7.8	0.06	0.06	0.72	1.21	0.50	0.96	-0.56	0.08	0.09	0.19	0.11 (MC)	2,10,31,10	
720	7.8	0.06	0.06	0.72	1.21	0.50	0.96	-0.56	0.08	0.09	0.19	0.11 (MC)	2,10,31,10	
798	7.8	0.06	0.05	0.74	1.23	0.56	0.92	-0.64	0.08	0.06	0.18	0.17 (MC)	2,6,31,10	
862	7.8	0.06	0.05	0.74	1.23	0.56	0.92	-0.64	0.08	0.06	0.18	0.17 (MC)	2,6,31,10	
932	7.8	0.06	0.06	0.74	1.22	0.62	0.84	-0.64	0.08	0.02	0.16	0.17 (MC)	2,17,31,10	

Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/Ap	P/Acv	Ver Mo	Ver Mo(S)	Ver Mp
				0.72							
	7.81	0.06	0.06		1.23	0.77	0.96	-0.56	0.08	0.09	0.22

Setto	Mat.								Spessore	Gamma non sis.	Gamma sis.	Stato	
									cm				
8	Danesi - Poroton P800 38.19.25 e malta di classe M10 -muratura E = 6.530e+04							24.0	3.00	2.40	ok L		
Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/Ap	P/Acv	Ver Mo	Ver Mo(S)	Ver Mp	Ver. V	Rif. cmb
					daN/cm2	daN/cm2	daN/cm2	daN/cm2					
29	1.9	0.01	0.01	0.95	0.99	0.55	0.73	-0.73	0.05	0.08	0.34	0.08 (MC)	2,19,10,10
37	1.9	0.02	0.02	0.93	1.01	0.55	0.73	-0.76	0.05	0.08	0.34	0.09 (MC)	2,19,10,10
44	1.9	0.01	0.01	0.95	0.99	0.55	0.73	-0.73	0.05	0.08	0.34	0.08 (MC)	2,19,10,10
195	1.9	0.02	0.02	0.93	1.01	0.70	0.76	-0.76	0.05	0.08	0.33	0.09 (MC)	2,13,10,10
352	1.9	0.02	0.02	0.93	1.01	0.55	0.73	-0.76	0.05	0.08	0.34	0.09 (MC)	2,19,10,10
360	1.9	0.02	0.02	0.93	1.01	0.70	0.76	-0.76	0.05	0.08	0.33	0.09 (MC)	2,13,10,10

Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/Ap	P/Acv	Ver Mo	Ver Mo(S)	Ver Mp
				0.93							
	1.88	0.02	0.02		1.01	0.70	0.76	-0.73	0.05	0.08	0.34

Setto	Mat.								Spessore	Gamma non sis.		Gamma sis.	Stato
									cm				
9	Danesi - Poroton P800 38.19.25 e malta di classe M10 -muratura E = 6.530e+04								24.0	3.00	2.40		ok L
Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/Ap	P/Acv	Ver Mo	Ver Mo(S)	Ver Mp	Ver. V	Rif. cmb
					daN/cm2	daN/cm2	daN/cm2	daN/cm2					
112	10.4	0.07	0.07	0.63	1.34	1.19	1.11	-1.41	0.10	0.07	0.22	0.15 (MC)	2,33,17,2
120	10.4	0.07	0.07	0.65	1.50	1.08	1.04	-1.50	0.11	0.04	0.35	0.32 (MC)	2,19,6,2
128	10.4	0.07	0.07	0.63	1.51	1.15	0.95	-1.70	0.11	0.05	0.45	0.37 (MC)	2,31,30,2
130	10.4	0.07	0.07	0.63	1.34	1.19	0.83	-0.73	0.10	0.07	0.17	0.04 (MC)	2,33,20,36
136	10.4	0.07	0.07	0.63	1.51	1.00	1.49	-1.70	0.11	0.06	0.51	0.37 (MC)	2,17,2,2
144	10.4	0.07	0.07	0.65	1.49	1.00	1.49	-1.25	0.11	0.06	0.51	0.15 (MC)	2,17,2,36
160	10.4	0.07	0.07	0.63	1.34	1.19	0.83	-0.73	0.10	0.07	0.17	0.04 (MC)	2,33,20,36
176	10.4	0.07	0.07	0.63	1.34	1.19	1.11	-1.41	0.10	0.07	0.22	0.15 (MC)	2,33,17,2
184	10.4	0.07	0.07	0.65	1.50	1.08	1.04	-1.50	0.11	0.04	0.35	0.32 (MC)	2,19,6,2
191	10.4	0.07	0.07	0.63	1.51	1.15	0.95	-1.70	0.11	0.05	0.45	0.37 (MC)	2,31,30,2
199	10.4	0.07	0.07	0.63	1.51	1.00	1.49	-1.70	0.11	0.06	0.51	0.37 (MC)	2,17,2,2
203	10.4	0.07	0.07	0.63	1.34	1.19	1.11	-1.41	0.10	0.07	0.22	0.15 (MC)	2,33,17,2
206	10.4	0.07	0.07	0.65	1.49	1.00	1.49	-1.25	0.11	0.06	0.51	0.15 (MC)	2,17,2,36
219	10.4	0.07	0.07	0.65	1.50	1.08	1.04	-1.50	0.11	0.04	0.35	0.32 (MC)	2,19,6,2
321	10.4	0.07	0.07	0.63	1.51	1.15	0.95	-1.70	0.11	0.05	0.45	0.37 (MC)	2,31,30,2
334	10.4	0.07	0.07	0.63	1.51	1.00	1.49	-1.70	0.11	0.06	0.51	0.37 (MC)	2,17,2,2
378	10.4	0.07	0.07	0.65	1.49	1.00	1.49	-1.25	0.11	0.06	0.51	0.15 (MC)	2,17,2,36
411	10.4	0.07	0.07	0.63	1.34	1.19	0.83	-0.73	0.10	0.07	0.17	0.04 (MC)	2,33,20,36
438	10.4	0.07	0.07	0.63	1.34	1.19	0.83	-0.73	0.10	0.07	0.17	0.04 (MC)	2,33,20,36
439	10.4	0.07	0.07	0.63	1.34	1.19	1.11	-1.41	0.10	0.07	0.22	0.15 (MC)	2,33,17,2
440	10.4	0.07	0.07	0.65	1.50	1.08	1.04	-1.50	0.11	0.04	0.35	0.32 (MC)	2,19,6,2

441	10.4	0.07	0.07	0.63	1.51	1.15	0.95	-1.70	0.11	0.05	0.45	0.37 (MC)	2,31,30,2
442	10.4	0.07	0.07	0.63	1.51	1.00	1.49	-1.70	0.11	0.06	0.51	0.37 (MC)	2,17,2,2
443	10.4	0.07	0.07	0.65	1.49	1.00	1.49	-1.25	0.11	0.06	0.51	0.15 (MC)	2,17,2,36

Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/Ap	P/Acv	Ver Mo	Ver Mo(S)	Ver Mp
	10.42	0.07	0.07	0.63	1.51	1.19	1.49	-0.73	0.11	0.07	0.51

Setto	Mat.	Spessore	Gamma non sis.	Gamma sis.	Stato
10	Danesi - Poroton P800 38.19.25 e malta di classe M10 -muratura E = 6.530e+04	cm			
		24.0	3.00	2.40	ok L

Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/Ap	P/Acv	Ver Mo	Ver Mo(S)	Ver Mp	Ver. V	Rif. cmb
					daN/cm2	daN/cm2	daN/cm2	daN/cm2					
31	9.7	0.07	0.07	0.65	1.14	0.81	0.67	-1.00	0.08	0.08	0.58	0.22 (MC)	2,5,19,5
47	9.7	0.07	0.07	0.66	1.05	0.73	0.64	-0.84	0.07	0.08	0.49	0.21 (MC)	2,5,19,5
209	9.7	0.07	0.07	0.66	1.09	0.78	0.67	-1.00	0.08	0.08	0.58	0.22 (MC)	2,5,19,5
210	9.7	0.07	0.07	0.65	1.07	0.75	0.67	-0.75	0.08	0.10	0.37	0.20 (MC)	2,5,16,5
316	9.7	0.07	0.07	0.66	0.99	0.70	0.60	-0.70	0.07	0.09	0.35	0.21 (MC)	2,5,19,5
320	9.7	0.07	0.07	0.65	1.07	0.75	0.67	-0.70	0.08	0.10	0.37	0.21 (MC)	2,5,16,5
447	9.7	0.07	0.07	0.65	1.46	0.81	1.04	-0.81	0.10	0.12	0.41	0.09 (MC)	2,8,21,8
448	9.7	0.07	0.07	0.65	1.46	0.81	1.04	-0.81	0.10	0.12	0.41	0.09 (MC)	2,8,21,8
450	9.7	0.07	0.07	0.65	1.46	0.81	1.04	-1.14	0.10	0.12	0.41	0.13 (MC)	2,8,21,5
453	9.7	0.07	0.07	0.65	1.46	0.81	1.04	-1.14	0.10	0.12	0.41	0.13 (MC)	2,8,21,5
455	9.7	0.07	0.07	0.67	1.42	0.80	1.00	-1.03	0.10	0.10	0.41	0.18 (MC)	2,16,21,5
456	9.7	0.07	0.07	0.67	1.42	0.80	1.00	-1.03	0.10	0.10	0.41	0.18 (MC)	2,16,21,5
457	9.7	0.07	0.07	0.66	1.35	0.78	0.85	-1.03	0.09	0.04	0.40	0.18 (MC)	2,19,27,5
460	9.7	0.07	0.07	0.66	1.35	0.78	0.85	-1.03	0.09	0.04	0.40	0.18 (MC)	2,19,27,5
488	9.7	0.07	0.07	0.65	1.28	0.88	0.73	-0.95	0.09	0.07	0.39	0.17 (MC)	2,5,15,5
490	9.7	0.07	0.07	0.65	1.28	0.88	0.73	-0.95	0.09	0.07	0.39	0.17 (MC)	2,5,15,5
496	9.7	0.07	0.07	0.65	1.21	0.81	0.70	-0.97	0.09	0.08	0.54	0.20 (MC)	2,5,19,5
498	9.7	0.07	0.07	0.65	1.21	0.81	0.67	-1.00	0.09	0.08	0.58	0.22 (MC)	2,5,19,5
506	9.7	0.07	0.07	0.65	1.14	0.81	0.70	-0.97	0.08	0.08	0.54	0.20 (MC)	2,5,19,5
514	9.7	0.07	0.07	0.65	1.46	0.81	1.04	-0.81	0.10	0.12	0.41	0.09 (MC)	2,8,21,8
522	9.7	0.07	0.07	0.65	1.46	0.81	1.04	-1.14	0.10	0.12	0.41	0.13 (MC)	2,8,21,5
544	9.7	0.07	0.07	0.67	1.42	0.80	1.00	-1.03	0.10	0.10	0.41	0.18 (MC)	2,16,21,5
546	9.7	0.07	0.07	0.66	1.35	0.78	0.85	-1.03	0.09	0.04	0.40	0.18 (MC)	2,19,27,5
552	9.7	0.07	0.07	0.65	1.28	0.88	0.73	-0.95	0.09	0.07	0.39	0.17 (MC)	2,5,15,5
554	9.7	0.07	0.07	0.65	1.21	0.78	0.67	-1.00	0.09	0.08	0.58	0.22 (MC)	2,5,19,5
562	9.7	0.07	0.07	0.65	1.46	0.81	1.04	-0.81	0.10	0.12	0.41	0.09 (MC)	2,8,21,8
570	9.7	0.07	0.07	0.65	1.46	0.81	1.04	-1.14	0.10	0.12	0.41	0.13 (MC)	2,8,21,5
576	9.7	0.07	0.07	0.67	1.42	0.80	1.00	-1.03	0.10	0.10	0.41	0.18 (MC)	2,16,21,5
594	9.7	0.07	0.07	0.66	1.35	0.78	0.85	-1.03	0.09	0.04	0.40	0.18 (MC)	2,19,27,5
607	9.7	0.07	0.07	0.65	1.28	0.88	0.73	-0.95	0.09	0.07	0.39	0.17 (MC)	2,5,15,5
610	9.7	0.07	0.07	0.65	1.21	0.73	0.64	-0.84	0.09	0.08	0.49	0.21 (MC)	2,5,19,5
640	9.7	0.07	0.07	0.65	1.46	0.81	1.04	-0.81	0.10	0.12	0.41	0.09 (MC)	2,8,21,8
672	9.7	0.07	0.07	0.65	1.46	0.81	1.04	-1.14	0.10	0.12	0.41	0.13 (MC)	2,8,21,5
680	9.7	0.07	0.07	0.67	1.42	0.80	1.00	-1.03	0.10	0.10	0.41	0.18 (MC)	2,16,21,5
696	9.7	0.07	0.07	0.66	1.35	0.78	0.85	-1.03	0.09	0.04	0.40	0.18 (MC)	2,19,27,5
704	9.7	0.07	0.07	0.65	1.28	0.88	0.73	-0.95	0.09	0.07	0.39	0.17 (MC)	2,5,15,5
712	9.7	0.07	0.07	0.65	1.21	0.71	0.62	-0.71	0.09	0.09	0.41	0.21 (MC)	2,5,19,5
757	9.7	0.07	0.07	0.65	1.46	0.81	1.04	-0.81	0.10	0.12	0.41	0.09 (MC)	2,8,21,8
772	9.7	0.07	0.07	0.65	1.46	0.81	1.04	-1.14	0.10	0.12	0.41	0.13 (MC)	2,8,21,5
774	9.7	0.07	0.07	0.67	1.42	0.80	1.00	-1.03	0.10	0.10	0.41	0.18 (MC)	2,16,21,5
782	9.7	0.07	0.07	0.66	1.35	0.78	0.85	-1.03	0.09	0.04	0.40	0.18 (MC)	2,19,27,5
790	9.7	0.07	0.07	0.65	1.28	0.88	0.73	-0.95	0.09	0.07	0.39	0.17 (MC)	2,5,15,5
814	9.7	0.07	0.07	0.65	1.21	0.70	0.73	-0.70	0.09	0.09	0.39	0.21 (MC)	2,5,15,5
830	9.7	0.07	0.07	0.65	1.46	0.81	1.04	-0.81	0.10	0.12	0.41	0.09 (MC)	2,8,21,8
846	9.7	0.07	0.07	0.65	1.46	0.81	1.04	-1.14	0.10	0.12	0.41	0.13 (MC)	2,8,21,5
854	9.7	0.07	0.07	0.67	1.42	0.80	1.00	-1.03	0.10	0.10	0.41	0.18 (MC)	2,16,21,5
878	9.7	0.07	0.07	0.66	1.35	0.78	0.85	-1.03	0.09	0.04	0.40	0.18 (MC)	2,19,27,5
886	9.7	0.07	0.07	0.65	1.28	0.88	0.73	-0.95	0.09	0.07	0.39	0.17 (MC)	2,5,15,5
...													
1012	9.7	0.07	0.07	0.66	1.02	0.71	0.62	-0.71	0.07	0.09	0.41	0.21 (MC)	2,5,19,5
Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/Ap	P/Acv	Ver Mo	Ver Mo(S)	Ver Mp		
	9.69	0.07	0.07	0.65	1.46	0.88	1.04	-0.70	0.10	0.12	0.58		

Setto	Mat.							Spessore	Gamma non sis.	Gamma sis.	Stato		
								cm					
11	Danesi - Poroton P800 38.19.25 e malta di classe M10 -muratura E = 6.530e+04							24.0	3.00	2.40	ok L		
Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/AP	P/ACv	Ver Mo	Ver Mo(S)	Ver Mp	Ver. V	Rif. cmb
					daN/cm2	daN/cm2	daN/cm2	daN/cm2					
221	1.9	0.08	0.08	0.74	1.79	1.08	1.23	-1.73	0.11	0.35	0.31	0.43 (MC)	2,19,10,2

228	1.9	0.08	0.08	0.74	1.79	1.06	1.23	-1.77	0.11	0.36	0.31	0.40 (MC)	2,19,10,2
236	1.9	0.08	0.08	0.73	1.77	1.06	1.22	-1.74	0.11	0.36	0.28	0.43 (MC)	2,19,10,2
244	1.9	0.08	0.08	0.73	1.74	1.05	1.19	-1.72	0.11	0.36	0.27	0.45 (MC)	2,19,10,2
252	1.9	0.08	0.08	0.74	1.72	1.04	1.17	-1.70	0.11	0.35	0.26	0.47 (MC)	2,19,10,2
260	1.9	0.08	0.08	0.75	1.70	1.04	1.15	-1.69	0.10	0.34	0.24	0.48 (MC)	2,16,10,2
268	1.9	0.07	0.07	0.76	1.69	1.03	1.13	-1.69	0.10	0.32	0.23	0.48 (MC)	2,16,10,2
276	1.9	0.07	0.07	0.78	1.66	1.01	1.11	-1.66	0.10	0.29	0.21	0.46 (MC)	2,16,10,2
284	1.9	0.07	0.07	0.77	1.67	1.02	1.12	-1.67	0.10	0.31	0.22	0.47 (MC)	2,16,10,2
420	1.9	0.07	0.07	0.77	1.73	1.05	1.17	-1.73	0.10	0.31	0.29	0.43 (MC)	2,16,10,2
469	1.9	0.07	0.07	0.77	1.73	1.05	1.17	-1.73	0.10	0.31	0.29	0.43 (MC)	2,16,10,2
470	1.9	0.08	0.08	0.74	1.79	1.08	1.23	-1.73	0.11	0.35	0.31	0.43 (MC)	2,19,10,2
479	1.9	0.08	0.08	0.74	1.79	1.06	1.23	-1.77	0.11	0.36	0.31	0.40 (MC)	2,19,10,2
487	1.9	0.08	0.08	0.73	1.77	1.06	1.22	-1.74	0.11	0.36	0.28	0.43 (MC)	2,19,10,2
495	1.9	0.08	0.08	0.73	1.74	1.05	1.19	-1.72	0.11	0.36	0.27	0.45 (MC)	2,19,10,2
503	1.9	0.08	0.08	0.74	1.72	1.04	1.17	-1.70	0.11	0.35	0.26	0.47 (MC)	2,19,10,2
511	1.9	0.08	0.08	0.75	1.70	1.04	1.15	-1.69	0.10	0.34	0.24	0.48 (MC)	2,16,10,2
519	1.9	0.07	0.07	0.76	1.69	1.03	1.13	-1.69	0.10	0.32	0.23	0.48 (MC)	2,16,10,2
527	1.9	0.07	0.07	0.77	1.67	1.02	1.12	-1.67	0.10	0.31	0.22	0.47 (MC)	2,16,10,2
535	1.9	0.07	0.07	0.78	1.66	1.01	1.11	-1.66	0.10	0.29	0.21	0.46 (MC)	2,16,10,2

Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/Ap	P/Acv	Ver Mo	Ver Mo(S)	Ver Mp
	1.88	0.08	0.08	0.73	1.79	1.08	1.23	-1.66	0.11	0.36	0.31

Setto	Mat.								Spessore	Gamma non sis.	Gamma sis.	Stato	
									cm				
12	Danesi - Poroton P800 38.19.25 e malta di classe M10 -muratura E = 6.530e+04								24.0	3.00	2.40	ok L	
Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/AP	P/Acv	Ver Mo	Ver Mo(S)	Ver Mp	Ver. V	Rif. cmb
					daN/cm2	daN/cm2	daN/cm2	daN/cm2					
6	10.4	0.08	0.08	0.61	0.86	0.73	0.47	-0.49	0.06	0.10	0.46	0.29 (MC)	2,10,19,19
13	10.4	0.06	0.06	0.67	0.76	0.45	0.48	-0.49	0.05	0.09	0.20	0.29 (MC)	2,31,18,19
14	10.4	0.06	0.06	0.65	0.82	0.46	0.60	-0.49	0.06	0.07	0.23	0.29 (MC)	2,31,13,19
18	10.4	0.06	0.06	0.67	0.76	0.45	0.48	-0.49	0.05	0.09	0.20	0.29 (MC)	2,31,18,19
22	10.4	0.06	0.06	0.67	0.76	0.45	0.48	-0.49	0.05	0.09	0.20	0.29 (MC)	2,31,18,19
29	10.4	0.06	0.05	0.68	0.71	0.45	0.48	-0.48	0.05	0.09	0.20	0.28 (MC)	2,31,18,19
30	10.4	0.06	0.05	0.68	0.71	0.45	0.48	-0.48	0.05	0.09	0.20	0.28 (MC)	2,31,18,19
34	10.4	0.06	0.05	0.68	0.71	0.45	0.48	-0.48	0.05	0.09	0.20	0.28 (MC)	2,31,18,19
38	10.4	0.10	0.10	0.58	0.88	0.77	0.46	-0.57	0.07	0.15	0.65	0.24 (MC)	2,30,19,11
70	10.4	0.06	0.05	0.68	0.71	0.45	0.48	-0.48	0.05	0.09	0.20	0.28 (MC)	2,31,18,19
78	10.4	0.10	0.10	0.58	0.88	0.77	0.46	-0.57	0.07	0.15	0.65	0.24 (MC)	2,30,19,11
122	10.4	0.10	0.10	0.58	0.88	0.77	0.46	-0.82	0.07	0.15	0.65	0.19 (MC)	2,30,19,11
138	10.4	0.10	0.10	0.58	0.88	0.77	0.46	-0.57	0.07	0.15	0.65	0.24 (MC)	2,30,19,11
146	10.4	0.08	0.08	0.61	0.86	0.73	0.47	-0.49	0.06	0.10	0.46	0.29 (MC)	2,10,19,19
154	10.4	0.06	0.06	0.65	0.82	0.46	0.60	-0.49	0.06	0.07	0.23	0.29 (MC)	2,31,13,19
162	10.4	0.06	0.06	0.67	0.76	0.45	0.48	-0.49	0.05	0.09	0.20	0.29 (MC)	2,31,18,19
168	10.4	0.06	0.05	0.68	0.71	0.45	0.48	-0.48	0.05	0.09	0.20	0.28 (MC)	2,31,18,19
178	10.4	0.10	0.10	0.58	0.88	0.77	0.46	-0.82	0.07	0.15	0.65	0.19 (MC)	2,30,19,11
193	10.4	0.10	0.10	0.58	0.88	0.77	0.46	-0.57	0.07	0.15	0.65	0.24 (MC)	2,30,19,11
197	10.4	0.08	0.08	0.61	0.86	0.73	0.47	-0.49	0.06	0.10	0.46	0.29 (MC)	2,10,19,19
215	10.4	0.08	0.08	0.61	0.86	0.73	0.47	-0.49	0.06	0.10	0.46	0.29 (MC)	2,10,19,19
218	10.4	0.06	0.06	0.65	0.82	0.46	0.60	-0.49	0.06	0.07	0.23	0.29 (MC)	2,31,13,19
230	10.4	0.06	0.06	0.65	0.82	0.46	0.60	-0.49	0.06	0.07	0.23	0.29 (MC)	2,31,13,19
238	10.4	0.06	0.06	0.67	0.76	0.45	0.48	-0.49	0.05	0.09	0.20	0.29 (MC)	2,31,18,19
246	10.4	0.06	0.05	0.68	0.71	0.45	0.48	-0.48	0.05	0.09	0.20	0.28 (MC)	2,31,18,19
262	10.4	0.10	0.10	0.58	0.88	0.77	0.46	-0.82	0.07	0.15	0.65	0.19 (MC)	2,30,19,11
270	10.4	0.06	0.06	0.67	0.76	0.45	0.48	-0.49	0.05	0.09	0.20	0.29 (MC)	2,31,18,19
286	10.4	0.08	0.08	0.61	0.86	0.73	0.47	-0.49	0.06	0.10	0.46	0.29 (MC)	2,10,19,19
339	10.4	0.10	0.10	0.58	0.88	0.77	0.46	-0.82	0.07	0.15	0.65	0.19 (MC)	2,30,19,11
398	10.4	0.10	0.10	0.58	0.88	0.77	0.46	-0.82	0.07	0.15	0.65	0.19 (MC)	2,30,19,11
399	10.4	0.10	0.10	0.58	0.88	0.77	0.46	-0.57	0.07	0.15	0.65	0.24 (MC)	2,30,19,11
406	10.4	0.10	0.10	0.58	0.88	0.77	0.46	-0.82	0.07	0.15	0.65	0.19 (MC)	2,30,19,11
428	10.4	0.10	0.10	0.58	0.88	0.77	0.46	-0.57	0.07	0.15	0.65	0.24 (MC)	2,30,19,11
454	10.4	0.06	0.06	0.65	0.82	0.46	0.60	-0.49	0.06	0.07	0.23	0.29 (MC)	2,31,13,19
474	10.4	0.10	0.10	0.58	0.88	0.77	0.46	-0.82	0.07	0.15	0.65	0.19 (MC)	2,30,19,11
520	10.4	0.08	0.08	0.61	0.86	0.73	0.47	-0.49	0.06	0.10	0.46	0.29 (MC)	2,10,19,19
648	10.4	0.06	0.06	0.65	0.82	0.46	0.60	-0.49	0.06	0.07	0.23	0.29 (MC)	2,31,13,19
656	10.4	0.10	0.10	0.58	0.88	0.77	0.46	-0.57	0.07	0.15	0.65	0.24 (MC)	2,30,19,11
688	10.4	0.06	0.06	0.67	0.76	0.45	0.48	-0.49	0.05	0.09	0.20	0.29 (MC)	2,31,18,19
798	10.4	0.08	0.08	0.61	0.86	0.73	0.47	-0.49	0.06	0.10	0.46	0.29 (MC)	2,10,19,19
932	10.4	0.06	0.06	0.65	0.82	0.46	0.60	-0.49	0.06	0.07	0.23	0.29 (MC)	2,31,13,19
1060	10.4	0.06	0.05	0.68	0.71	0.45	0.48	-0.48	0.05	0.09	0.20	0.28 (MC)	2,31,18,19

Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/Ap	P/Acv	Ver Mo	Ver Mo(S)	Ver Mp
	10.42	0.10	0.10	0.58	0.88	0.77	0.60	-0.48	0.07	0.15	0.65

Setto	Mat.									Spessore	Gamma non sis.	Gamma sis.	Stato
										cm			
13	Danesi - Poroton P800 38.19.25 e malta di classe M10 -muratura E = 6.530e+04									24.0	3.00	2.40	ok L
Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/AP	P/Acv	Ver Mo	Ver Mo(S)	Ver Mp	Ver. V	Rif. cmb
					daN/cm2	daN/cm2	daN/cm2	daN/cm2					
4	7.8	0.06	0.06	0.74	1.96	1.22	1.35	-1.22	0.12	0.13	0.35	0.07 (MC)	2,18,31,10
8	7.8	0.06	0.06	0.74	1.96	1.22	1.35	-1.22	0.12	0.13	0.35	0.11 (MC)	2,18,31,10
10	7.8	0.05	0.05	0.75	1.97	1.22	1.34	-1.40	0.12	0.10	0.32	0.16 (MC)	2,18,31,11
11	7.8	0.06	0.05	0.74	1.95	1.20	1.32	-1.40	0.12	0.03	0.24	0.16 (MC)	2,18,31,11
12	7.8	0.06	0.06	0.74	1.90	1.31	1.13	-1.36	0.12	0.07	0.21	0.15 (MC)	2,7,10,11
16	7.8	0.06	0.06	0.73	1.85	1.31	1.13	-1.31	0.12	0.07	0.21	0.15 (MC)	2,7,10,11
20	7.8	0.06	0.06	0.74	1.96	1.22	1.35	-1.22	0.12	0.13	0.35	0.07 (MC)	2,18,31,10
25	7.8	0.06	0.06	0.74	1.96	1.22	1.35	-1.22	0.12	0.13	0.35	0.11 (MC)	2,18,31,10
26	7.8	0.05	0.05	0.75	1.97	1.22	1.34	-1.40	0.12	0.10	0.32	0.16 (MC)	2,18,31,11
27	7.8	0.06	0.05	0.74	1.95	1.20	1.32	-1.40	0.12	0.03	0.24	0.16 (MC)	2,18,31,11
28	7.8	0.06	0.06	0.74	1.90	1.31	1.13	-1.36	0.12	0.07	0.21	0.15 (MC)	2,7,10,11
32	7.8	0.06	0.06	0.73	1.85	1.31	1.13	-1.31	0.12	0.07	0.21	0.15 (MC)	2,7,10,11
36	7.8	0.06	0.06	0.74	1.96	1.22	1.35	-1.22	0.12	0.13	0.35	0.07 (MC)	2,18,31,10
40	7.8	0.06	0.06	0.74	1.96	1.22	1.35	-1.22	0.12	0.13	0.35	0.11 (MC)	2,18,31,10
41	7.8	0.05	0.05	0.75	1.97	1.22	1.34	-1.40	0.12	0.10	0.32	0.16 (MC)	2,18,31,11
42	7.8	0.06	0.05	0.74	1.95	1.20	1.32	-1.40	0.12	0.03	0.24	0.16 (MC)	2,18,31,11
43	7.8	0.06	0.06	0.74	1.90	1.31	1.13	-1.36	0.12	0.07	0.21	0.15 (MC)	2,7,10,11
46	7.8	0.06	0.06	0.73	1.85	1.31	1.13	-1.31	0.12	0.07	0.21	0.15 (MC)	2,7,10,11
48	7.8	0.06	0.06	0.74	1.96	1.22	1.35	-1.22	0.12	0.13	0.35	0.07 (MC)	2,18,31,10
50	7.8	0.06	0.06	0.74	1.96	1.22	1.35	-1.22	0.12	0.13	0.35	0.11 (MC)	2,18,31,10
52	7.8	0.05	0.05	0.75	1.97	1.22	1.34	-1.40	0.12	0.10	0.32	0.16 (MC)	2,18,31,11
54	7.8	0.06	0.05	0.74	1.95	1.20	1.32	-1.40	0.12	0.03	0.24	0.16 (MC)	2,18,31,11
55	7.8	0.06	0.06	0.74	1.90	1.31	1.13	-1.36	0.12	0.07	0.21	0.15 (MC)	2,7,10,11
56	7.8	0.06	0.06	0.73	1.85	1.31	1.13	-1.31	0.12	0.07	0.21	0.15 (MC)	2,7,10,11
58	7.8	0.06	0.06	0.74	1.96	1.22	1.35	-1.22	0.12	0.13	0.35	0.07 (MC)	2,18,31,10
61	7.8	0.06	0.06	0.74	1.96	1.22	1.35	-1.22	0.12	0.13	0.35	0.11 (MC)	2,18,31,10
62	7.8	0.05	0.05	0.75	1.97	1.22	1.34	-1.40	0.12	0.10	0.32	0.16 (MC)	2,18,31,11
63	7.8	0.06	0.05	0.74	1.95	1.20	1.32	-1.40	0.12	0.03	0.24	0.16 (MC)	2,18,31,11
64	7.8	0.06	0.06	0.74	1.90	1.31	1.13	-1.36	0.12	0.07	0.21	0.15 (MC)	2,7,10,11
65	7.8	0.06	0.06	0.73	1.85	1.31	1.13	-1.31	0.12	0.07	0.21	0.15 (MC)	2,7,10,11

Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/Ap	P/Acv	Ver Mo	Ver Mo(S)	Ver Mp
	7.81	0.06	0.06	0.73	1.97	1.31	1.35	-1.22	0.12	0.13	0.35

Setto	Mat.								Spessore	Gamma non sis.		Gamma sis.	Stato
									cm				
14	Danesi - Poroton P800 38.19.25 e malta di classe M10 -muratura E = 6.530e+04								24.0	3.00		2.40	ok L
Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/AP	P/ACv	Ver Mo	Ver Mo(S)	Ver Mp	Ver. V	Rif. cmb
					daN/cm2	daN/cm2	daN/cm2	daN/cm2					
222	10.4	0.10	0.10	0.57	1.31	0.96	0.87	-0.87	0.11	0.11	0.20	0.11 (MC)	2,21,20,20
223	10.4	0.10	0.10	0.57	1.31	0.96	0.87	-0.81	0.11	0.11	0.20	0.16 (MC)	2,21,20,20
224	10.4	0.07	0.07	0.63	1.21	0.89	0.81	-0.73	0.09	0.05	0.17	0.20 (MC)	2,21,20,20
225	10.4	0.06	0.06	0.67	1.09	0.71	0.73	-0.73	0.07	0.03	0.10	0.20 (MC)	2,21,20,20
226	10.4	0.10	0.10	0.57	0.86	0.62	0.65	-0.68	0.07	0.10	0.05	0.20 (MC)	2,21,20,15
227	10.4	0.10	0.10	0.57	0.86	0.62	0.58	-0.60	0.07	0.10	0.02	0.18 (MC)	2,21,20,15
229	10.4	0.10	0.10	0.57	1.31	0.96	0.87	-0.87	0.11	0.11	0.20	0.11 (MC)	2,21,20,20
231	10.4	0.10	0.10	0.57	1.31	0.96	0.87	-0.81	0.11	0.11	0.20	0.16 (MC)	2,21,20,20
232	10.4	0.07	0.07	0.63	1.21	0.89	0.81	-0.73	0.09	0.05	0.17	0.20 (MC)	2,21,20,20
233	10.4	0.06	0.06	0.67	1.09	0.71	0.73	-0.73	0.07	0.03	0.10	0.20 (MC)	2,21,20,20
234	10.4	0.10	0.10	0.57	0.86	0.62	0.65	-0.68	0.07	0.10	0.05	0.20 (MC)	2,21,20,15
235	10.4	0.10	0.10	0.57	0.86	0.62	0.58	-0.60	0.07	0.10	0.02	0.18 (MC)	2,21,20,15
237	10.4	0.10	0.10	0.57	1.31	0.96	0.87	-0.87	0.11	0.11	0.20	0.11 (MC)	2,21,20,20
239	10.4	0.10	0.10	0.57	1.31	0.96	0.87	-0.81	0.11	0.11	0.20	0.16 (MC)	2,21,20,20
240	10.4	0.07	0.07	0.63	1.21	0.89	0.81	-0.73	0.09	0.05	0.17	0.20 (MC)	2,21,20,20
241	10.4	0.06	0.06	0.67	1.09	0.71	0.73	-0.73	0.07	0.03	0.10	0.20 (MC)	2,21,20,20
242	10.4	0.10	0.10	0.57	0.86	0.62	0.65	-0.68	0.07	0.10	0.05	0.20 (MC)	2,21,20,15
243	10.4	0.10	0.10	0.57	0.86	0.62	0.58	-0.60	0.07	0.10	0.02	0.18 (MC)	2,21,20,15
245	10.4	0.10	0.10	0.57	1.31	0.96	0.87	-0.87	0.11	0.11	0.20	0.11 (MC)	2,21,20,20
247	10.4	0.10	0.10	0.57	1.31	0.96	0.87	-0.81	0.11	0.11	0.20	0.16 (MC)	2,21,20,20
248	10.4	0.07	0.07	0.63	1.21	0.89	0.81	-0.73	0.09	0.05	0.17	0.20 (MC)	2,21,20,20
249	10.4	0.06	0.06	0.67	1.09	0.71	0.73	-0.73	0.07	0.03	0.10	0.20 (MC)	2,21,20,20
250	10.4	0.10	0.10	0.57	0.86	0.62	0.65	-0.68	0.07	0.10	0.05	0.20 (MC)	2,21,20,15
251	10.4	0.10	0.10	0.57	0.86	0.62	0.58	-0.60	0.07	0.10	0.02	0.18 (MC)	2,21,20,15

253	10.4	0.10	0.10	0.57	1.31	0.96	0.87	-0.87	0.11	0.11	0.20	0.11 (MC)	2,21,20,20
255	10.4	0.10	0.10	0.57	1.31	0.96	0.87	-0.81	0.11	0.11	0.20	0.16 (MC)	2,21,20,20
256	10.4	0.07	0.07	0.63	1.21	0.89	0.81	-0.73	0.09	0.05	0.17	0.20 (MC)	2,21,20,20
257	10.4	0.06	0.06	0.67	1.09	0.71	0.73	-0.73	0.07	0.03	0.10	0.20 (MC)	2,21,20,20
258	10.4	0.10	0.10	0.57	0.86	0.62	0.65	-0.68	0.07	0.10	0.05	0.20 (MC)	2,21,20,15
259	10.4	0.10	0.10	0.57	0.86	0.62	0.58	-0.60	0.07	0.10	0.02	0.18 (MC)	2,21,20,15
261	10.4	0.10	0.10	0.57	1.31	0.96	0.87	-0.87	0.11	0.11	0.20	0.11 (MC)	2,21,20,20
263	10.4	0.10	0.10	0.57	1.31	0.96	0.87	-0.81	0.11	0.11	0.20	0.16 (MC)	2,21,20,20
264	10.4	0.07	0.07	0.63	1.21	0.89	0.81	-0.73	0.09	0.05	0.17	0.20 (MC)	2,21,20,20
265	10.4	0.06	0.06	0.67	1.09	0.71	0.73	-0.73	0.07	0.03	0.10	0.20 (MC)	2,21,20,20
266	10.4	0.10	0.10	0.57	0.86	0.62	0.65	-0.68	0.07	0.10	0.05	0.20 (MC)	2,21,20,15
267	10.4	0.10	0.10	0.57	0.86	0.62	0.58	-0.60	0.07	0.10	0.02	0.18 (MC)	2,21,20,15
269	10.4	0.10	0.10	0.57	1.31	0.96	0.87	-0.87	0.11	0.11	0.20	0.11 (MC)	2,21,20,20
271	10.4	0.10	0.10	0.57	1.31	0.96	0.87	-0.81	0.11	0.11	0.20	0.16 (MC)	2,21,20,20
272	10.4	0.07	0.07	0.63	1.21	0.89	0.81	-0.73	0.09	0.05	0.17	0.20 (MC)	2,21,20,20
273	10.4	0.06	0.06	0.67	1.09	0.71	0.73	-0.73	0.07	0.03	0.10	0.20 (MC)	2,21,20,20
274	10.4	0.10	0.10	0.57	0.86	0.62	0.65	-0.68	0.07	0.10	0.05	0.20 (MC)	2,21,20,15
275	10.4	0.10	0.10	0.57	0.86	0.62	0.58	-0.60	0.07	0.10	0.02	0.18 (MC)	2,21,20,15
277	10.4	0.10	0.10	0.57	1.31	0.96	0.87	-0.87	0.11	0.11	0.20	0.11 (MC)	2,21,20,20
279	10.4	0.10	0.10	0.57	1.31	0.96	0.87	-0.81	0.11	0.11	0.20	0.16 (MC)	2,21,20,20
280	10.4	0.07	0.07	0.63	1.21	0.89	0.81	-0.73	0.09	0.05	0.17	0.20 (MC)	2,21,20,20
281	10.4	0.06	0.06	0.67	1.09	0.71	0.73	-0.73	0.07	0.03	0.10	0.20 (MC)	2,21,20,20
282	10.4	0.10	0.10	0.57	0.86	0.62	0.65	-0.68	0.07	0.10	0.05	0.20 (MC)	2,21,20,15
283	10.4	0.10	0.10	0.57	0.86	0.62	0.58	-0.60	0.07	0.10	0.02	0.18 (MC)	2,21,20,15
...													
906	10.4	0.10	0.10	0.57	0.86	0.62	0.58	-0.60	0.07	0.10	0.02	0.18 (MC)	2,21,20,15
Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/Ap	P/Acv	Ver Mo	Ver Mo(S)	Ver Mp		
	10.42	0.10	0.10	0.57	1.31	0.96	0.87	-0.60	0.11	0.11	0.20		

Setto	Mat.								Spessore	Gamma non sis.	Gamma sis.	Stato	
									cm				
15	Danesi - Poroton P800 38.19.25 e malta di classe M10 -muratura E = 6.530e+04								24.0	3.00	2.40	ok L	
Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/Ap	P/Acv	Ver Mo	Ver Mo(S)	Ver Mp	Ver. V	Rif. cmb
					daN/cm2	daN/cm2	daN/cm2	daN/cm2					
16	1.4	0.02	0.02	0.94	1.81	1.31	1.07	-1.81	0.09	0.12	0.43	0.07 (MC)	2,15,10,2
32	1.4	0.02	0.02	0.94	1.81	1.31	1.07	-1.76	0.09	0.12	0.43	0.10 (MC)	2,15,10,2
46	1.4	0.02	0.02	0.94	1.76	1.22	0.99	-1.65	0.09	0.12	0.41	0.10 (MC)	2,15,10,2
56	1.4	0.02	0.02	0.93	1.71	1.21	1.03	-1.65	0.08	0.13	0.32	0.10 (MC)	2,15,10,2
65	1.4	0.02	0.02	0.93	1.71	1.21	1.03	-1.21	0.08	0.13	0.32	0.07 (MC)	2,15,10,11
68	1.4	0.02	0.02	0.93	1.71	1.21	1.03	-1.21	0.08	0.13	0.32	0.07 (MC)	2,15,10,11
376	1.4	0.02	0.02	0.94	1.81	1.31	1.07	-1.81	0.09	0.12	0.43	0.07 (MC)	2,15,10,2
384	1.4	0.02	0.02	0.94	1.81	1.31	1.07	-1.76	0.09	0.12	0.43	0.10 (MC)	2,15,10,2
424	1.4	0.02	0.02	0.93	1.71	1.21	1.03	-1.65	0.08	0.13	0.32	0.10 (MC)	2,15,10,2
437	1.4	0.02	0.02	0.94	1.76	1.22	0.99	-1.65	0.09	0.12	0.41	0.10 (MC)	2,15,10,2
Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/Ap	P/Acv	Ver Mo	Ver Mo(S)	Ver Mp		
	1.41	0.02	0.02	0.93	1.81	1.31	1.07	-1.21	0.09	0.13	0.43		

Setto	Mat.								Spessore	Gamma non sis.	Gamma sis.	Stato	
									cm				
16	Danesi - Poroton P800 38.19.25 e malta di classe M10 -muratura E = 6.530e+04								24.0	3.00	2.40	ok L	
Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/AP	P/ACv	Ver Mo	Ver Mo(S)	Ver Mp	Ver. V	Rif. cmb
					daN/cm2	daN/cm2	daN/cm2	daN/cm2					
45	10.4	0.11	0.11	0.54	0.76	0.58	0.38	-1.32	0.06	0.15	0.83	0.38 (MC)	2,32,13,5
67	10.4	0.11	0.11	0.54	0.76	0.58	0.38	-1.32	0.06	0.15	0.83	0.38 (MC)	2,32,13,5
74	10.4	0.11	0.11	0.54	0.76	0.58	0.38	-1.32	0.06	0.15	0.83	0.38 (MC)	2,32,13,5
82	10.4	0.11	0.11	0.54	0.76	0.58	0.38	-1.32	0.06	0.15	0.83	0.38 (MC)	2,32,13,5
83	10.4	0.11	0.11	0.54	0.76	0.58	0.38	-1.32	0.06	0.15	0.83	0.38 (MC)	2,32,13,5
84	10.4	0.08	0.08	0.61	0.76	0.67	0.40	-0.43	0.06	0.07	0.55	0.33 (MC)	2,8,13,5
85	10.4	0.06	0.06	0.67	0.73	0.42	0.54	-0.43	0.05	0.05	0.37	0.33 (MC)	2,21,15,5
86	10.4	0.06	0.05	0.69	0.71	0.42	0.69	-0.45	0.05	0.06	0.31	0.32 (MC)	2,21,2,13
87	10.4	0.06	0.06	0.68	0.69	0.42	0.69	-0.46	0.05	0.06	0.31	0.32 (MC)	2,21,2,13
89	10.4	0.11	0.11	0.54	0.76	0.58	0.38	-1.32	0.06	0.15	0.83	0.38 (MC)	2,32,13,5
91	10.4	0.11	0.11	0.54	0.76	0.58	0.38	-1.32	0.06	0.15	0.83	0.38 (MC)	2,32,13,5
92	10.4	0.08	0.08	0.61	0.76	0.67	0.40	-0.43	0.06	0.07	0.55	0.33 (MC)	2,8,13,5
93	10.4	0.06	0.06	0.67	0.73	0.42	0.54	-0.43	0.05	0.05	0.37	0.33 (MC)	2,21,15,5
94	10.4	0.06	0.05	0.69	0.71	0.42	0.69	-0.45	0.05	0.06	0.31	0.32 (MC)	2,21,2,13
95	10.4	0.06	0.06	0.68	0.69	0.42	0.69	-0.46	0.05	0.06	0.31	0.32 (MC)	2,21,2,13
278	10.4	0.11	0.11	0.54	0.76	0.58	0.38	-1.32	0.06	0.15	0.83	0.38 (MC)	2,32,13,5
324	10.4	0.08	0.08	0.61	0.76	0.67	0.40	-0.43	0.06	0.07	0.55	0.33 (MC)	2,8,13,5
390	10.4	0.08	0.08	0.61	0.76	0.67	0.40	-0.43	0.06	0.07	0.55	0.33 (MC)	2,8,13,5

392	10.4	0.06	0.06	0.67	0.73	0.42	0.54	-0.43	0.05	0.05	0.37	0.33 (MC)	2,21,15,5
414	10.4	0.06	0.05	0.69	0.71	0.42	0.69	-0.45	0.05	0.06	0.31	0.32 (MC)	2,21,2,13
445	10.4	0.06	0.06	0.67	0.73	0.42	0.54	-0.43	0.05	0.05	0.37	0.33 (MC)	2,21,15,5
447	10.4	0.11	0.11	0.54	0.76	0.58	0.38	-1.32	0.06	0.15	0.83	0.38 (MC)	2,32,13,5
450	10.4	0.11	0.11	0.54	0.76	0.58	0.38	-1.32	0.06	0.15	0.83	0.38 (MC)	2,32,13,5
455	10.4	0.08	0.08	0.61	0.76	0.67	0.40	-0.43	0.06	0.07	0.55	0.33 (MC)	2,8,13,5
457	10.4	0.06	0.06	0.67	0.73	0.42	0.54	-0.43	0.05	0.05	0.37	0.33 (MC)	2,21,15,5
482	10.4	0.06	0.05	0.69	0.71	0.42	0.69	-0.45	0.05	0.06	0.31	0.32 (MC)	2,21,2,13
488	10.4	0.06	0.05	0.69	0.71	0.42	0.69	-0.45	0.05	0.06	0.31	0.32 (MC)	2,21,2,13
496	10.4	0.06	0.06	0.68	0.69	0.42	0.69	-0.46	0.05	0.06	0.31	0.32 (MC)	2,21,2,13
538	10.4	0.06	0.06	0.68	0.69	0.42	0.69	-0.46	0.05	0.06	0.31	0.32 (MC)	2,21,2,13
568	10.4	0.06	0.06	0.68	0.69	0.42	0.69	-0.46	0.05	0.06	0.31	0.32 (MC)	2,21,2,13
586	10.4	0.11	0.11	0.54	0.76	0.58	0.38	-1.32	0.06	0.15	0.83	0.38 (MC)	2,32,13,5
664	10.4	0.08	0.08	0.61	0.76	0.67	0.40	-0.43	0.06	0.07	0.55	0.33 (MC)	2,8,13,5
728	10.4	0.06	0.06	0.67	0.73	0.42	0.54	-0.43	0.05	0.05	0.37	0.33 (MC)	2,21,15,5
736	10.4	0.11	0.11	0.54	0.76	0.58	0.38	-1.32	0.06	0.15	0.83	0.38 (MC)	2,32,13,5
806	10.4	0.06	0.05	0.69	0.71	0.42	0.69	-0.45	0.05	0.06	0.31	0.32 (MC)	2,21,2,13
870	10.4	0.06	0.06	0.68	0.69	0.42	0.69	-0.46	0.05	0.06	0.31	0.32 (MC)	2,21,2,13

Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/Ap	P/Acv	Ver Mo	Ver Mo(S)	Ver Mp
	10.42	0.11	0.11	0.54	0.76	0.67	0.69	-0.43	0.06	0.15	0.83

Setto	Mat.								Spessore	Gamma non sis.	Gamma sis.	Stato	
									cm				
18	Danesi - Poroton P800 38.19.25 e malta di classe M10 -muratura E = 6.530e+04							24.0	3.00	2.40	ok L		
Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/AP	P/ACv	Ver Mo	Ver Mo(S)	Ver Mp	Ver. V	Rif. cmb
					daN/cm2	daN/cm2	daN/cm2	daN/cm2					
51	2.5	0.04	0.04	0.87	0.67	0.52	0.54	-0.35	0.04	0.07	0.57	0.12 (MC)	2,13,18,16
73	2.5	0.04	0.04	0.87	0.67	0.52	0.54	-0.35	0.04	0.07	0.57	0.12 (MC)	2,13,18,16
81	2.5	0.04	0.04	0.87	0.67	0.52	0.54	-0.35	0.04	0.07	0.57	0.12 (MC)	2,13,18,16
87	2.5	0.04	0.04	0.87	0.67	0.52	0.54	-0.35	0.04	0.07	0.57	0.12 (MC)	2,13,18,16
88	2.5	0.04	0.04	0.87	0.67	0.52	0.54	-0.35	0.04	0.07	0.57	0.12 (MC)	2,13,18,16
95	2.5	0.04	0.04	0.87	0.67	0.52	0.54	-0.35	0.04	0.07	0.57	0.12 (MC)	2,13,18,16
96	2.5	0.04	0.04	0.87	0.67	0.52	0.54	-0.35	0.04	0.07	0.57	0.12 (MC)	2,13,18,16
496	2.5	0.04	0.04	0.87	0.67	0.52	0.54	-0.35	0.04	0.07	0.57	0.12 (MC)	2,13,18,16
506	2.5	0.04	0.04	0.87	0.67	0.52	0.54	-0.35	0.04	0.07	0.57	0.12 (MC)	2,13,18,16
538	2.5	0.04	0.04	0.87	0.67	0.52	0.54	-0.35	0.04	0.07	0.57	0.12 (MC)	2,13,18,16
568	2.5	0.04	0.04	0.87	0.67	0.52	0.54	-0.35	0.04	0.07	0.57	0.12 (MC)	2,13,18,16
870	2.5	0.04	0.04	0.87	0.67	0.52	0.54	-0.35	0.04	0.07	0.57	0.12 (MC)	2,13,18,16

Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/Ap	P/Acv	Ver Mo	Ver Mo(S)	Ver Mp
	2.50	0.04	0.04	0.87	0.67	0.52	0.54	-0.35	0.04	0.07	0.57

Setto	Mat.								Spessore	Gamma non sis.	Gamma sis.	Stato	
									cm				
19	Danesi - Poroton P800 38.19.25 e malta di classe M10 -muratura E = 6.530e+04							24.0	3.00	2.40	ok L		
Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/Ap	P/Acv	Ver Mo	Ver Mo(S)	Ver Mp	Ver. V	Rif. cmb
					daN/cm2	daN/cm2	daN/cm2	daN/cm2					
29	2.5	0.02	0.02	0.94	0.65	0.51	0.53	-0.34	0.03	0.06	0.44	0.13 (MC)	2,11,20,18
30	2.5	0.02	0.02	0.94	0.65	0.51	0.53	-0.34	0.03	0.06	0.44	0.13 (MC)	2,11,20,18
34	2.5	0.02	0.02	0.94	0.65	0.51	0.53	-0.34	0.03	0.06	0.44	0.13 (MC)	2,11,20,18
44	2.5	0.02	0.02	0.94	0.65	0.51	0.53	-0.34	0.03	0.06	0.44	0.13 (MC)	2,11,20,18
70	2.5	0.02	0.02	0.94	0.65	0.51	0.53	-0.34	0.03	0.06	0.44	0.13 (MC)	2,11,20,18
168	2.5	0.02	0.02	0.94	0.65	0.51	0.53	-0.34	0.03	0.06	0.44	0.13 (MC)	2,11,20,18
170	2.5	0.02	0.02	0.94	0.65	0.51	0.53	-0.34	0.03	0.06	0.44	0.13 (MC)	2,11,20,18
246	2.5	0.02	0.02	0.94	0.65	0.51	0.53	-0.34	0.03	0.06	0.44	0.13 (MC)	2,11,20,18
254	2.5	0.02	0.02	0.94	0.65	0.51	0.53	-0.34	0.03	0.06	0.44	0.13 (MC)	2,11,20,18
319	2.5	0.02	0.02	0.94	0.65	0.51	0.53	-0.34	0.03	0.06	0.44	0.13 (MC)	2,11,20,18
391	2.5	0.02	0.02	0.94	0.65	0.51	0.53	-0.34	0.03	0.06	0.44	0.13 (MC)	2,11,20,18
405	2.5	0.02	0.02	0.94	0.65	0.51	0.53	-0.34	0.03	0.06	0.44	0.13 (MC)	2,11,20,18
412	2.5	0.02	0.02	0.94	0.65	0.51	0.53	-0.34	0.03	0.06	0.44	0.13 (MC)	2,11,20,18
1060	2.5	0.02	0.02	0.94	0.65	0.51	0.53	-0.34	0.03	0.06	0.44	0.13 (MC)	2,11,20,18

Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/Ap	P/Acv	Ver Mo	Ver Mo(S)	Ver Mp
	2.50	0.02	0.02	0.94	0.65	0.51	0.53	-0.34	0.03	0.06	0.44

Setto	Mat.	Spessore	Gamma non sis.	Gamma sis.	Stato
		cm			

Setto	Mat.								Spessore	Gamma non sis.	Gamma sis.	Stato	
20	Danesi - Poroton P800 38.19.25 e malta di classe M10 -muratura E = 6.530e+04								24.0	3.00	2.40	ok L	
Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/Ap	P/Acv	Ver Mo	Ver Mo(S)	Ver Mp	Ver. V	Rif. cmb
daN/cm2 daN/cm2 daN/cm2 daN/cm2													
114	8.4	0.06	0.06	0.71	1.49	0.88	1.09	-1.28	0.10	0.04	0.45	0.13 (MC)	2,32,31,31
213	8.4	0.06	0.06	0.71	1.38	0.86	1.00	-1.15	0.09	0.03	0.44	0.13 (MC)	2,32,31,31
325	8.4	0.06	0.06	0.72	1.43	0.87	0.96	-0.90	0.09	0.07	0.30	0.10 (MC)	2,17,30,33
326	8.4	0.07	0.06	0.70	1.41	0.87	0.86	-0.90	0.09	0.07	0.33	0.11 (MC)	2,17,10,33
327	8.4	0.08	0.06	0.70	1.41	0.85	0.81	-0.91	0.09	0.07	0.36	0.13 (MC)	2,17,10,31
328	8.4	0.09	0.08	0.66	1.33	0.89	0.76	-0.91	0.09	0.07	0.38	0.13 (MC)	2,20,6,31
332	8.4	0.09	0.08	0.64	1.26	0.89	0.76	-0.89	0.09	0.07	0.38	0.13 (MC)	2,20,6,31
333	8.4	0.07	0.06	0.71	1.38	0.79	1.00	-1.15	0.09	0.05	0.44	0.13 (MC)	2,36,31,31
335	8.4	0.06	0.06	0.72	1.43	0.87	0.96	-0.90	0.09	0.07	0.30	0.10 (MC)	2,17,30,33
342	8.4	0.07	0.06	0.70	1.41	0.87	0.86	-0.90	0.09	0.07	0.33	0.11 (MC)	2,17,10,33
343	8.4	0.08	0.06	0.70	1.41	0.85	0.81	-0.91	0.09	0.07	0.36	0.13 (MC)	2,17,10,31
354	8.4	0.09	0.08	0.66	1.33	0.89	0.76	-0.91	0.09	0.07	0.38	0.13 (MC)	2,20,6,31
362	8.4	0.09	0.08	0.64	1.26	0.89	0.76	-0.89	0.09	0.07	0.38	0.13 (MC)	2,20,6,31
370	8.4	0.07	0.06	0.71	1.49	0.79	1.09	-1.15	0.10	0.05	0.45	0.13 (MC)	2,36,31,31
386	8.4	0.06	0.06	0.72	1.43	0.87	0.96	-0.90	0.09	0.07	0.30	0.10 (MC)	2,17,30,33
393	8.4	0.07	0.06	0.70	1.41	0.87	0.86	-0.90	0.09	0.07	0.33	0.11 (MC)	2,17,10,33
394	8.4	0.08	0.06	0.70	1.41	0.85	0.81	-0.91	0.09	0.07	0.36	0.13 (MC)	2,17,10,31
395	8.4	0.09	0.08	0.66	1.33	0.89	0.76	-0.91	0.09	0.07	0.38	0.13 (MC)	2,20,6,31
396	8.4	0.09	0.08	0.64	1.26	0.89	0.76	-0.89	0.09	0.07	0.38	0.13 (MC)	2,20,6,31
400	8.4	0.07	0.06	0.71	1.49	0.79	1.09	-1.28	0.10	0.05	0.45	0.13 (MC)	2,36,31,31
402	8.4	0.06	0.06	0.72	1.43	0.87	0.96	-0.90	0.09	0.07	0.30	0.10 (MC)	2,17,30,33
404	8.4	0.07	0.06	0.70	1.41	0.87	0.86	-0.90	0.09	0.07	0.33	0.11 (MC)	2,17,10,33
407	8.4	0.08	0.06	0.70	1.41	0.85	0.81	-0.91	0.09	0.07	0.36	0.13 (MC)	2,17,10,31
408	8.4	0.09	0.08	0.66	1.33	0.89	0.76	-0.91	0.09	0.07	0.38	0.13 (MC)	2,20,6,31
409	8.4	0.09	0.08	0.64	1.26	0.89	0.76	-0.89	0.09	0.07	0.38	0.13 (MC)	2,20,6,31
410	8.4	0.07	0.06	0.71	1.43	0.79	1.03	-0.89	0.09	0.05	0.44	0.13 (MC)	2,36,31,31
413	8.4	0.06	0.06	0.72	1.43	0.87	0.96	-0.90	0.09	0.07	0.30	0.10 (MC)	2,17,30,33
416	8.4	0.07	0.06	0.70	1.41	0.87	0.86	-0.90	0.09	0.07	0.33	0.11 (MC)	2,17,10,33
418	8.4	0.08	0.06	0.70	1.41	0.85	0.81	-0.91	0.09	0.07	0.36	0.13 (MC)	2,17,10,31
419	8.4	0.09	0.08	0.66	1.33	0.89	0.76	-0.91	0.09	0.07	0.38	0.13 (MC)	2,20,6,31
422	8.4	0.09	0.08	0.64	1.26	0.89	0.76	-0.89	0.09	0.07	0.38	0.13 (MC)	2,20,6,31
423	8.4	0.07	0.06	0.70	1.36	0.79	0.97	-0.89	0.09	0.05	0.43	0.13 (MC)	2,36,31,31
425	8.4	0.06	0.06	0.72	1.43	0.87	0.96	-0.90	0.09	0.07	0.30	0.10 (MC)	2,17,30,33
429	8.4	0.07	0.06	0.70	1.41	0.87	0.86	-0.90	0.09	0.07	0.33	0.11 (MC)	2,17,10,33
430	8.4	0.08	0.06	0.70	1.41	0.85	0.81	-0.91	0.09	0.07	0.36	0.13 (MC)	2,17,10,31
431	8.4	0.09	0.08	0.66	1.33	0.89	0.76	-0.91	0.09	0.07	0.38	0.13 (MC)	2,20,6,31
432	8.4	0.09	0.08	0.64	1.26	0.89	0.76	-0.89	0.09	0.07	0.38	0.13 (MC)	2,20,6,31
433	8.4	0.07	0.06	0.70	1.30	0.79	0.93	-0.89	0.08	0.05	0.42	0.13 (MC)	2,36,31,31
438	8.4	0.06	0.06	0.72	1.43	0.87	0.96	-0.90	0.09	0.07	0.30	0.10 (MC)	2,17,30,33
439	8.4	0.07	0.06	0.70	1.41	0.87	0.86	-0.90	0.09	0.07	0.33	0.11 (MC)	2,17,10,33
440	8.4	0.08	0.06	0.70	1.41	0.85	0.81	-0.91	0.09	0.07	0.36	0.13 (MC)	2,17,10,31
441	8.4	0.09	0.08	0.66	1.33	0.89	0.76	-0.91	0.09	0.07	0.38	0.13 (MC)	2,20,6,31
442	8.4	0.09	0.08	0.64	1.26	0.89	0.76	-0.89	0.09	0.07	0.38	0.13 (MC)	2,20,6,31
443	8.4	0.07	0.07	0.68	1.23	0.79	0.89	-0.89	0.08	0.05	0.40	0.13 (MC)	2,36,31,31
472	8.4	0.06	0.06	0.70	1.30	0.82	0.93	-0.97	0.08	0.04	0.42	0.10 (MC)	2,32,31,31
536	8.4	0.06	0.06	0.70	1.36	0.85	0.97	-1.10	0.09	0.04	0.43	0.11 (MC)	2,32,31,31
584	8.4	0.06	0.06	0.71	1.43	0.85	1.03	-1.18	0.09	0.04	0.44	0.12 (MC)	2,32,31,31
1114	8.4	0.06	0.06	0.71	1.49	0.92	1.09	-1.15	0.10	0.03	0.45	0.13 (MC)	2,32,31,31

Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/Ap	P/Acv	Ver Mo	Ver Mo(S)	Ver Mp
				0.64							
	8.41	0.09	0.08		1.49	0.92	1.09	-0.89	0.10	0.07	0.45

Setto	Mat.								Spessore	Gamma non sis.	Gamma sis.	Stato	
									cm				
21	Danesi - Poroton P800 38.19.25 e malta di classe M10 -muratura E = 6.530e+04							24.0	3.00	2.40	ok L		
Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/AP	P/ACv	Ver Mo	Ver Mo(S)	Ver Mp	Ver. V	Rif. cmb
					daN/cm2	daN/cm2	daN/cm2	daN/cm2					
338	11.7	0.07	0.07	0.60	2.05	1.32	1.34	-1.32	0.16	0.32	0.17	0.08 (MC)	2,19,30,31
344	11.7	0.06	0.06	0.63	1.87	1.13	1.21	-1.12	0.14	0.08	0.15	0.11 (MC)	2,7,30,31
436	11.7	0.07	0.07	0.60	2.05	1.32	1.34	-1.32	0.16	0.32	0.17	0.08 (MC)	2,19,30,31
609	11.7	0.07	0.07	0.60	2.05	1.32	1.34	-1.32	0.16	0.32	0.17	0.08 (MC)	2,19,30,31
611	11.7	0.07	0.07	0.60	2.05	1.32	1.34	-1.32	0.16	0.32	0.17	0.08 (MC)	2,19,30,31
612	11.7	0.07	0.07	0.60	2.05	1.32	1.34	-1.32	0.16	0.32	0.17	0.08 (MC)	2,19,30,31
613	11.7	0.07	0.07	0.61	2.03	1.30	1.32	-1.28	0.15	0.26	0.17	0.09 (MC)	2,19,30,30
614	11.7	0.07	0.07	0.61	2.03	1.30	1.32	-1.28	0.15	0.26	0.17	0.09 (MC)	2,19,30,30
615	11.7	0.06	0.06	0.62	1.97	1.26	1.28	-1.28	0.15	0.15	0.16	0.09 (MC)	2,19,30,30
616	11.7	0.06	0.06	0.62	1.97	1.26	1.28	-1.28	0.15	0.15	0.16	0.09 (MC)	2,19,30,30
617	11.7	0.06	0.06	0.63	1.92	1.23	1.24	-1.24	0.14	0.06	0.15	0.08 (MC)	2,16,30,30
618	11.7	0.06	0.06	0.63	1.92	1.23	1.24	-1.24	0.14	0.06	0.15	0.08 (MC)	2,16,30,30

619	11.7	0.06	0.06	0.63	1.87	1.18	1.21	-1.21	0.14	0.03	0.15	0.08 (MC)	2,7,30,30
620	11.7	0.06	0.06	0.63	1.87	1.18	1.21	-1.21	0.14	0.03	0.15	0.08 (MC)	2,7,30,30
622	11.7	0.06	0.06	0.62	1.80	1.13	1.15	-1.12	0.13	0.07	0.20	0.10 (MC)	2,7,30,31
623	11.7	0.07	0.07	0.60	2.05	1.32	1.34	-1.32	0.16	0.32	0.17	0.08 (MC)	2,19,30,31
625	11.7	0.07	0.07	0.60	2.05	1.32	1.34	-1.32	0.16	0.32	0.17	0.08 (MC)	2,19,30,31
626	11.7	0.07	0.07	0.61	2.03	1.30	1.32	-1.28	0.15	0.26	0.17	0.09 (MC)	2,19,30,30
627	11.7	0.06	0.06	0.62	1.97	1.26	1.28	-1.28	0.15	0.15	0.16	0.09 (MC)	2,19,30,30
628	11.7	0.06	0.06	0.63	1.92	1.23	1.24	-1.24	0.14	0.06	0.15	0.08 (MC)	2,16,30,30
629	11.7	0.06	0.06	0.63	1.87	1.18	1.21	-1.21	0.14	0.03	0.15	0.08 (MC)	2,7,30,30
630	11.7	0.06	0.06	0.62	1.79	1.12	1.14	-1.12	0.13	0.07	0.19	0.11 (MC)	2,7,30,31
631	11.7	0.07	0.07	0.60	2.05	1.32	1.34	-1.32	0.16	0.32	0.17	0.08 (MC)	2,19,30,31
633	11.7	0.07	0.07	0.60	2.05	1.32	1.34	-1.32	0.16	0.32	0.17	0.08 (MC)	2,19,30,31
634	11.7	0.07	0.07	0.61	2.03	1.30	1.32	-1.28	0.15	0.26	0.17	0.09 (MC)	2,19,30,30
635	11.7	0.06	0.06	0.62	1.97	1.26	1.28	-1.28	0.15	0.15	0.16	0.09 (MC)	2,19,30,30
636	11.7	0.06	0.06	0.63	1.92	1.23	1.24	-1.24	0.14	0.06	0.15	0.08 (MC)	2,16,30,30
637	11.7	0.06	0.06	0.63	1.87	1.18	1.21	-1.21	0.14	0.03	0.15	0.08 (MC)	2,7,30,30
638	11.7	0.06	0.06	0.62	1.78	1.11	1.13	-1.11	0.13	0.07	0.17	0.12 (MC)	2,7,30,31
639	11.7	0.07	0.07	0.60	2.05	1.32	1.34	-1.32	0.16	0.32	0.17	0.08 (MC)	2,19,30,31
641	11.7	0.07	0.07	0.60	2.05	1.32	1.34	-1.32	0.16	0.32	0.17	0.08 (MC)	2,19,30,31
642	11.7	0.07	0.07	0.61	2.03	1.30	1.32	-1.28	0.15	0.26	0.17	0.09 (MC)	2,19,30,30
643	11.7	0.06	0.06	0.62	1.97	1.26	1.28	-1.28	0.15	0.15	0.16	0.09 (MC)	2,19,30,30
644	11.7	0.06	0.06	0.63	1.92	1.23	1.24	-1.24	0.14	0.06	0.15	0.08 (MC)	2,16,30,30
645	11.7	0.06	0.06	0.63	1.87	1.18	1.21	-1.21	0.14	0.03	0.15	0.08 (MC)	2,7,30,30
646	11.7	0.06	0.06	0.62	1.79	1.13	1.12	-1.11	0.13	0.08	0.15	0.13 (MC)	2,7,30,31
647	11.7	0.07	0.07	0.60	2.05	1.32	1.34	-1.32	0.16	0.32	0.17	0.08 (MC)	2,19,30,31
649	11.7	0.07	0.07	0.60	2.05	1.32	1.34	-1.32	0.16	0.32	0.17	0.08 (MC)	2,19,30,31
650	11.7	0.07	0.07	0.61	2.03	1.30	1.32	-1.28	0.15	0.26	0.17	0.09 (MC)	2,19,30,30
651	11.7	0.06	0.06	0.62	1.97	1.26	1.28	-1.28	0.15	0.15	0.16	0.09 (MC)	2,19,30,30
652	11.7	0.06	0.06	0.63	1.92	1.23	1.24	-1.24	0.14	0.06	0.15	0.08 (MC)	2,16,30,30
653	11.7	0.06	0.06	0.63	1.87	1.18	1.21	-1.21	0.14	0.03	0.15	0.08 (MC)	2,7,30,30
654	11.7	0.06	0.06	0.62	1.77	1.11	1.13	-1.11	0.13	0.08	0.16	0.13 (MC)	2,7,30,31
655	11.7	0.07	0.07	0.60	2.05	1.32	1.34	-1.32	0.16	0.32	0.17	0.08 (MC)	2,19,30,31
657	11.7	0.07	0.07	0.60	2.05	1.32	1.34	-1.32	0.16	0.32	0.17	0.08 (MC)	2,19,30,31
658	11.7	0.07	0.07	0.61	2.03	1.30	1.32	-1.28	0.15	0.26	0.17	0.09 (MC)	2,19,30,30
659	11.7	0.06	0.06	0.62	1.97	1.26	1.28	-1.28	0.15	0.15	0.16	0.09 (MC)	2,19,30,30
660	11.7	0.06	0.06	0.63	1.92	1.23	1.24	-1.24	0.14	0.06	0.15	0.08 (MC)	2,16,30,30
...													
755	11.7	0.06	0.06	0.63	1.92	1.23	1.24	-1.24	0.14	0.06	0.15	0.08 (MC)	2,16,30,30
Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/Ap	P/Acv	Ver Mo	Ver Mo(S)	Ver Mp		
	11.67	0.07	0.07	0.60	2.05	1.32	1.34	-1.11	0.16	0.32	0.24		

Setto	Mat.								Spessore	Gamma non sis.	Gamma sis.	Stato	
									cm				
22	Danesi - Poroton P800 38.19.25 e malta di classe M10 -muratura E = 6.530e+04								24.0	3.00	2.40	ok L	
Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/Ap	P/Acv	Ver Mo	Ver Mo(S)	Ver Mp	Ver. V	Rif. cmb
					daN/cm2	daN/cm2	daN/cm2	daN/cm2					
444	2.5	0.02	0.02	0.93	2.12	1.36	1.40	-2.12	0.10	0.21	0.38	0.44 (MC)	2,13,30,2
619	2.5	0.02	0.02	0.93	2.12	1.36	1.40	-2.12	0.10	0.21	0.38	0.44 (MC)	2,13,30,2
620	2.5	0.02	0.02	0.93	2.26	1.46	1.50	-2.12	0.11	0.22	0.41	0.44 (MC)	2,13,30,2
629	2.5	0.02	0.02	0.93	2.26	1.43	1.50	-2.21	0.11	0.23	0.41	0.40 (MC)	2,13,30,2
637	2.5	0.02	0.02	0.93	2.21	1.38	1.47	-2.15	0.11	0.23	0.38	0.43 (MC)	2,13,30,2
645	2.5	0.02	0.02	0.93	2.15	1.38	1.43	-2.10	0.11	0.23	0.36	0.47 (MC)	2,13,30,2
653	2.5	0.02	0.02	0.93	2.10	1.35	1.39	-2.06	0.10	0.23	0.35	0.49 (MC)	2,13,30,2
661	2.5	0.02	0.02	0.93	2.06	1.32	1.36	-2.03	0.10	0.22	0.33	0.50 (MC)	2,13,30,2
669	2.5	0.02	0.02	0.93	2.03	1.29	1.33	-2.03	0.10	0.22	0.32	0.50 (MC)	2,13,30,2
677	2.5	0.02	0.02	0.93	2.00	1.27	1.30	-2.00	0.10	0.21	0.31	0.50 (MC)	2,13,30,2
685	2.5	0.02	0.02	0.93	1.97	1.25	1.28	-1.97	0.10	0.20	0.30	0.49 (MC)	2,13,30,2
686	2.5	0.02	0.02	0.93	2.00	1.27	1.30	-2.00	0.10	0.21	0.31	0.50 (MC)	2,13,30,2
694	2.5	0.02	0.02	0.93	1.97	1.25	1.28	-1.97	0.10	0.20	0.30	0.49 (MC)	2,13,30,2
702	2.5	0.02	0.02	0.93	2.03	1.29	1.33	-2.03	0.10	0.22	0.32	0.50 (MC)	2,13,30,2
710	2.5	0.02	0.02	0.93	2.10	1.35	1.39	-2.06	0.10	0.23	0.35	0.49 (MC)	2,13,30,2
718	2.5	0.02	0.02	0.93	2.06	1.32	1.36	-2.03	0.10	0.22	0.33	0.50 (MC)	2,13,30,2
726	2.5	0.02	0.02	0.93	2.21	1.38	1.47	-2.15	0.11	0.23	0.38	0.43 (MC)	2,13,30,2
734	2.5	0.02	0.02	0.93	2.15	1.38	1.43	-2.10	0.11	0.23	0.36	0.47 (MC)	2,13,30,2
742	2.5	0.02	0.02	0.93	2.26	1.46	1.50	-2.12	0.11	0.22	0.41	0.44 (MC)	2,13,30,2
750	2.5	0.02	0.02	0.93	2.26	1.43	1.50	-2.21	0.11	0.23	0.41	0.40 (MC)	2,13,30,2
Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/Ap	P/Acv	Ver Mo	Ver Mo(S)	Ver Mp		
	2.50	0.02	0.02	0.93	2.26	1.46	1.50	-1.97	0.11	0.23	0.41		

Setto	Mat.	Spessore	Gamma non sis.	Gamma sis.	Stato
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Setto	Mat.								Spessore	Gamma non sis.		Gamma sis.	Stato
									cm				
23	Danesi - Poroton P800 38.19.25 e malta di classe M10 -muratura E = 6.530e+04								24.0	3.00	2.40		ok L
Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/Ap	P/Acv	Ver Mo	Ver Mo(S)	Ver Mp	Ver. V	Rif. cmb
daN/cm2 daN/cm2 daN/cm2 daN/cm2													
758	8.7	0.06	0.06	0.71	1.72	1.10	1.15	-1.09	0.11	0.26	0.34	0.11 (MC)	2,13,24,21
759	8.7	0.06	0.06	0.71	1.72	1.10	1.15	-1.09	0.11	0.26	0.34	0.11 (MC)	2,13,24,21
761	8.7	0.06	0.06	0.71	1.75	1.10	1.15	-1.09	0.11	0.26	0.34	0.11 (MC)	2,13,24,21
762	8.7	0.06	0.06	0.71	1.75	1.10	1.15	-1.09	0.11	0.26	0.34	0.11 (MC)	2,13,24,21
763	8.7	0.06	0.06	0.71	1.75	1.12	1.16	-1.10	0.11	0.21	0.31	0.09 (MC)	2,13,24,21
764	8.7	0.06	0.06	0.71	1.75	1.12	1.16	-1.10	0.11	0.21	0.31	0.09 (MC)	2,13,24,21
765	8.7	0.06	0.06	0.71	1.75	1.11	1.14	-1.14	0.11	0.12	0.27	0.08 (MC)	2,13,24,24
766	8.7	0.06	0.06	0.71	1.75	1.11	1.14	-1.14	0.11	0.12	0.27	0.08 (MC)	2,13,24,24
767	8.7	0.06	0.06	0.71	1.75	1.10	1.13	-1.12	0.11	0.05	0.24	0.07 (MC)	2,13,24,24
768	8.7	0.06	0.06	0.71	1.75	1.10	1.13	-1.12	0.11	0.05	0.24	0.07 (MC)	2,13,24,24
769	8.7	0.06	0.06	0.71	1.75	1.10	1.12	-1.12	0.11	0.01	0.21	0.07 (MC)	2,9,24,24
770	8.7	0.06	0.06	0.71	1.75	1.10	1.12	-1.12	0.11	0.01	0.21	0.07 (MC)	2,9,24,24
773	8.7	0.06	0.06	0.71	1.72	1.10	1.15	-1.09	0.11	0.26	0.34	0.11 (MC)	2,13,24,21
775	8.7	0.06	0.06	0.71	1.75	1.10	1.15	-1.09	0.11	0.26	0.34	0.11 (MC)	2,13,24,21
776	8.7	0.06	0.06	0.71	1.75	1.12	1.16	-1.10	0.11	0.21	0.31	0.09 (MC)	2,13,24,21
777	8.7	0.06	0.06	0.71	1.75	1.11	1.14	-1.14	0.11	0.12	0.27	0.08 (MC)	2,13,24,24
778	8.7	0.06	0.06	0.71	1.75	1.10	1.13	-1.12	0.11	0.05	0.24	0.07 (MC)	2,13,24,24
779	8.7	0.06	0.06	0.71	1.75	1.10	1.12	-1.12	0.11	0.01	0.21	0.07 (MC)	2,9,24,24
781	8.7	0.06	0.06	0.71	1.72	1.10	1.15	-1.09	0.11	0.26	0.34	0.11 (MC)	2,13,24,21
783	8.7	0.06	0.06	0.71	1.75	1.10	1.15	-1.09	0.11	0.26	0.34	0.11 (MC)	2,13,24,21
784	8.7	0.06	0.06	0.71	1.75	1.12	1.16	-1.10	0.11	0.21	0.31	0.09 (MC)	2,13,24,21
785	8.7	0.06	0.06	0.71	1.75	1.11	1.14	-1.14	0.11	0.12	0.27	0.08 (MC)	2,13,24,24
786	8.7	0.06	0.06	0.71	1.75	1.10	1.13	-1.12	0.11	0.05	0.24	0.07 (MC)	2,13,24,24
787	8.7	0.06	0.06	0.71	1.75	1.10	1.12	-1.12	0.11	0.01	0.21	0.07 (MC)	2,9,24,24
789	8.7	0.06	0.06	0.71	1.72	1.10	1.15	-1.09	0.11	0.26	0.34	0.11 (MC)	2,13,24,21
791	8.7	0.06	0.06	0.71	1.75	1.10	1.15	-1.09	0.11	0.26	0.34	0.11 (MC)	2,13,24,21
792	8.7	0.06	0.06	0.71	1.75	1.12	1.16	-1.10	0.11	0.21	0.31	0.09 (MC)	2,13,24,21
793	8.7	0.06	0.06	0.71	1.75	1.11	1.14	-1.14	0.11	0.12	0.27	0.08 (MC)	2,13,24,24
794	8.7	0.06	0.06	0.71	1.75	1.10	1.13	-1.12	0.11	0.05	0.24	0.07 (MC)	2,13,24,24
795	8.7	0.06	0.06	0.71	1.75	1.10	1.12	-1.12	0.11	0.01	0.21	0.07 (MC)	2,9,24,24
797	8.7	0.06	0.06	0.71	1.72	1.10	1.15	-1.09	0.11	0.26	0.34	0.11 (MC)	2,13,24,21
799	8.7	0.06	0.06	0.71	1.75	1.10	1.15	-1.09	0.11	0.26	0.34	0.11 (MC)	2,13,24,21
800	8.7	0.06	0.06	0.71	1.75	1.12	1.16	-1.10	0.11	0.21	0.31	0.09 (MC)	2,13,24,21
801	8.7	0.06	0.06	0.71	1.75	1.11	1.14	-1.14	0.11	0.12	0.27	0.08 (MC)	2,13,24,24
802	8.7	0.06	0.06	0.71	1.75	1.10	1.13	-1.12	0.11	0.05	0.24	0.07 (MC)	2,13,24,24
803	8.7	0.06	0.06	0.71	1.75	1.10	1.12	-1.12	0.11	0.01	0.21	0.07 (MC)	2,9,24,24
805	8.7	0.06	0.06	0.71	1.72	1.10	1.15	-1.09	0.11	0.26	0.34	0.11 (MC)	2,13,24,21
807	8.7	0.06	0.06	0.71	1.75	1.10	1.15	-1.09	0.11	0.26	0.34	0.11 (MC)	2,13,24,21
808	8.7	0.06	0.06	0.71	1.75	1.12	1.16	-1.10	0.11	0.21	0.31	0.09 (MC)	2,13,24,21
809	8.7	0.06	0.06	0.71	1.75	1.11	1.14	-1.14	0.11	0.12	0.27	0.08 (MC)	2,13,24,24
810	8.7	0.06	0.06	0.71	1.75	1.10	1.13	-1.12	0.11	0.05	0.24	0.07 (MC)	2,13,24,24
811	8.7	0.06	0.06	0.71	1.75	1.10	1.12	-1.12	0.11	0.01	0.21	0.07 (MC)	2,9,24,24
813	8.7	0.06	0.06	0.71	1.72	1.10	1.15	-1.09	0.11	0.26	0.34	0.11 (MC)	2,13,24,21
815	8.7	0.06	0.06	0.71	1.75	1.10	1.15	-1.09	0.11	0.26	0.34	0.11 (MC)	2,13,24,21
816	8.7	0.06	0.06	0.71	1.75	1.12	1.16	-1.10	0.11	0.21	0.31	0.09 (MC)	2,13,24,21
817	8.7	0.06	0.06	0.71	1.75	1.11	1.14	-1.14	0.11	0.12	0.27	0.08 (MC)	2,13,24,24
818	8.7	0.06	0.06	0.71	1.75	1.10	1.13	-1.12	0.11	0.05	0.24	0.07 (MC)	2,13,24,24
819	8.7	0.06	0.06	0.71	1.75	1.10	1.12	-1.12	0.11	0.01	0.21	0.07 (MC)	2,9,24,24
...													
907	8.7	0.06	0.06	0.71	1.72	1.08	1.07	-1.07	0.11	0.04	0.19	0.11 (MC)	2,5,24,21
Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/Ap	P/Acv	Ver Mo	Ver Mo(S)	Ver Mp		
	8.75	0.06	0.06	0.71	1.75	1.12	1.16	-1.07	0.11	0.26	0.34		

Setto	Mat.									Spessore	Gamma non sis.		Gamma sis.	Stato
										cm				
24	Danesi - Poroton P800 38.19.25 e malta di classe M10 -muratura E = 6.530e+04								24.0	3.00		2.40	ok L	
Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/Ap	P/Acv	Ver Mo	Ver Mo(S)	Ver Mp	Ver. V	Rif. cmb	
					daN/cm2	daN/cm2	daN/cm2	daN/cm2						
769	1.9	0.01	0.01	0.95	2.08	1.32	1.36	-2.08	0.10	0.19	0.37	0.44 (MC)	2,13,24,2	
770	1.9	0.01	0.01	0.95	2.20	1.40	1.46	-2.08	0.11	0.20	0.39	0.44 (MC)	2,13,24,2	
771	1.9	0.01	0.01	0.95	2.08	1.32	1.36	-2.08	0.10	0.19	0.37	0.44 (MC)	2,13,24,2	
779	1.9	0.01	0.01	0.95	2.20	1.37	1.46	-2.16	0.11	0.21	0.39	0.40 (MC)	2,13,24,2	
780	1.9	0.01	0.01	0.95	2.20	1.40	1.46	-2.08	0.11	0.20	0.39	0.44 (MC)	2,13,24,2	
787	1.9	0.01	0.01	0.95	2.16	1.34	1.43	-2.11	0.10	0.21	0.36	0.44 (MC)	2,13,24,2	
788	1.9	0.01	0.01	0.95	2.20	1.37	1.46	-2.16	0.11	0.21	0.39	0.40 (MC)	2,13,24,2	
795	1.9	0.01	0.01	0.95	2.11	1.34	1.39	-2.06	0.10	0.21	0.34	0.47 (MC)	2,13,24,2	
796	1.9	0.01	0.01	0.95	2.16	1.34	1.43	-2.11	0.10	0.21	0.36	0.44 (MC)	2,13,24,2	
803	1.9	0.01	0.01	0.95	2.06	1.30	1.35	-2.02	0.10	0.21	0.33	0.49 (MC)	2,13,24,2	

804	1.9	0.01	0.01	0.95	2.11	1.34	1.39	-2.06	0.10	0.21	0.34	0.47 (MC)	2,13,24,2
811	1.9	0.01	0.01	0.95	2.02	1.28	1.32	-1.99	0.10	0.20	0.32	0.50 (MC)	2,13,24,2
812	1.9	0.01	0.01	0.95	2.06	1.30	1.35	-2.02	0.10	0.21	0.33	0.49 (MC)	2,13,24,2
819	1.9	0.01	0.01	0.95	1.99	1.26	1.29	-1.99	0.10	0.20	0.30	0.50 (MC)	2,13,24,2
820	1.9	0.01	0.01	0.95	2.02	1.28	1.32	-1.99	0.10	0.20	0.32	0.50 (MC)	2,13,24,2
827	1.9	0.01	0.01	0.95	1.96	1.24	1.27	-1.96	0.09	0.19	0.29	0.50 (MC)	2,13,24,2
828	1.9	0.01	0.01	0.95	1.99	1.26	1.29	-1.99	0.10	0.20	0.30	0.50 (MC)	2,13,24,2
835	1.9	0.01	0.01	0.95	1.94	1.22	1.25	-1.94	0.09	0.18	0.28	0.49 (MC)	2,13,24,2
836	1.9	0.01	0.01	0.95	1.96	1.24	1.27	-1.96	0.09	0.19	0.29	0.50 (MC)	2,13,24,2
844	1.9	0.01	0.01	0.95	1.94	1.22	1.25	-1.94	0.09	0.18	0.28	0.49 (MC)	2,13,24,2

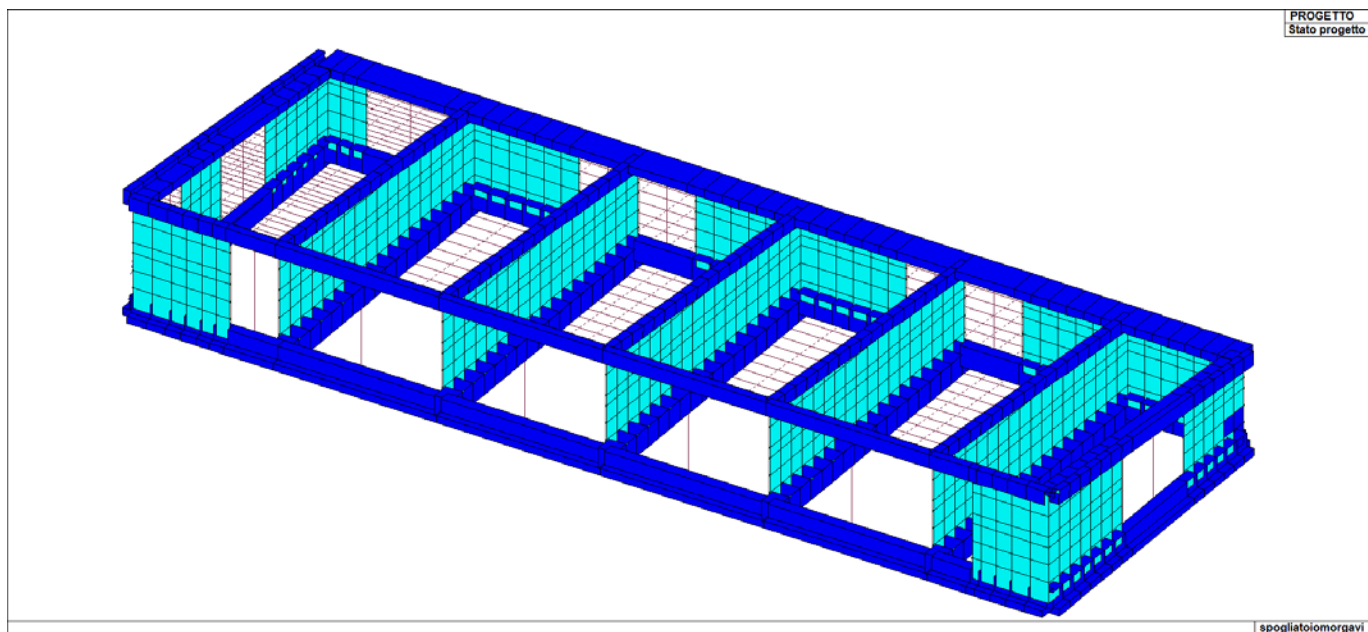
Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/Ap	P/Acv	Ver Mo	Ver Mo(S)	Ver Mp
	1.88	0.01	0.01	0.95	2.20	1.40	1.46	-1.94	0.11	0.21	0.39

Setto	Mat.	Spessore	Gamma non sis.	Gamma sis.	Stato
		cm			
25	Danesi - Poroton P800 38.19.25 e malta di classe M10 -muratura E = 6.530e+04	24.0	3.00	2.40	ok L

Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/Ap	P/Acv	Ver Mo	Ver Mo(S)	Ver Mp	Ver. V	Rif. cmb
					daN/cm2	daN/cm2	daN/cm2	daN/cm2					
214	11.7	0.08	0.08	0.59	2.04	1.32	1.34	-1.31	0.16	0.33	0.17	0.09 (MC)	2,13,24,21
220	11.7	0.07	0.06	0.63	1.87	1.13	1.20	-1.12	0.14	0.08	0.15	0.11 (MC)	2,9,24,21
908	11.7	0.08	0.08	0.59	2.04	1.32	1.34	-1.31	0.16	0.33	0.17	0.09 (MC)	2,13,24,21
909	11.7	0.08	0.08	0.59	2.04	1.32	1.34	-1.31	0.16	0.33	0.17	0.09 (MC)	2,13,24,21
911	11.7	0.08	0.08	0.59	2.04	1.32	1.34	-1.31	0.16	0.33	0.17	0.09 (MC)	2,13,24,21
912	11.7	0.08	0.08	0.59	2.04	1.32	1.34	-1.31	0.16	0.33	0.17	0.09 (MC)	2,13,24,21
913	11.7	0.07	0.07	0.61	2.02	1.30	1.32	-1.28	0.15	0.26	0.17	0.08 (MC)	2,13,24,24
914	11.7	0.07	0.07	0.61	2.02	1.30	1.32	-1.28	0.15	0.26	0.17	0.08 (MC)	2,13,24,24
915	11.7	0.06	0.06	0.62	1.97	1.26	1.28	-1.28	0.15	0.15	0.16	0.08 (MC)	2,13,24,24
916	11.7	0.06	0.06	0.62	1.97	1.26	1.28	-1.28	0.15	0.15	0.16	0.08 (MC)	2,13,24,24
917	11.7	0.06	0.06	0.63	1.92	1.22	1.24	-1.24	0.14	0.06	0.15	0.08 (MC)	2,13,24,24
918	11.7	0.06	0.06	0.63	1.92	1.22	1.24	-1.24	0.14	0.06	0.15	0.08 (MC)	2,13,24,24
919	11.7	0.06	0.06	0.63	1.87	1.18	1.20	-1.20	0.14	0.03	0.15	0.08 (MC)	2,9,24,24
920	11.7	0.06	0.06	0.63	1.87	1.18	1.20	-1.20	0.14	0.03	0.15	0.08 (MC)	2,9,24,24
923	11.7	0.08	0.08	0.59	2.04	1.32	1.34	-1.31	0.16	0.33	0.17	0.09 (MC)	2,13,24,21
925	11.7	0.08	0.08	0.59	2.04	1.32	1.34	-1.31	0.16	0.33	0.17	0.09 (MC)	2,13,24,21
926	11.7	0.07	0.07	0.61	2.02	1.30	1.32	-1.28	0.15	0.26	0.17	0.08 (MC)	2,13,24,24
927	11.7	0.06	0.06	0.62	1.97	1.26	1.28	-1.28	0.15	0.15	0.16	0.08 (MC)	2,13,24,24
928	11.7	0.06	0.06	0.63	1.92	1.22	1.24	-1.24	0.14	0.06	0.15	0.08 (MC)	2,13,24,24
929	11.7	0.06	0.06	0.63	1.87	1.18	1.20	-1.20	0.14	0.03	0.15	0.08 (MC)	2,9,24,24
931	11.7	0.08	0.08	0.59	2.04	1.32	1.34	-1.31	0.16	0.33	0.17	0.09 (MC)	2,13,24,21
933	11.7	0.08	0.08	0.59	2.04	1.32	1.34	-1.31	0.16	0.33	0.17	0.09 (MC)	2,13,24,21
934	11.7	0.07	0.07	0.61	2.02	1.30	1.32	-1.28	0.15	0.26	0.17	0.08 (MC)	2,13,24,24
935	11.7	0.06	0.06	0.62	1.97	1.26	1.28	-1.28	0.15	0.15	0.16	0.08 (MC)	2,13,24,24
936	11.7	0.06	0.06	0.63	1.92	1.22	1.24	-1.24	0.14	0.06	0.15	0.08 (MC)	2,13,24,24
937	11.7	0.06	0.06	0.63	1.87	1.18	1.20	-1.20	0.14	0.03	0.15	0.08 (MC)	2,9,24,24
939	11.7	0.08	0.08	0.59	2.04	1.32	1.34	-1.31	0.16	0.33	0.17	0.09 (MC)	2,13,24,21
941	11.7	0.08	0.08	0.59	2.04	1.32	1.34	-1.31	0.16	0.33	0.17	0.09 (MC)	2,13,24,21
942	11.7	0.07	0.07	0.61	2.02	1.30	1.32	-1.28	0.15	0.26	0.17	0.08 (MC)	2,13,24,24
943	11.7	0.06	0.06	0.62	1.97	1.26	1.28	-1.28	0.15	0.15	0.16	0.08 (MC)	2,13,24,24
944	11.7	0.06	0.06	0.63	1.92	1.22	1.24	-1.24	0.14	0.06	0.15	0.08 (MC)	2,13,24,24
945	11.7	0.06	0.06	0.63	1.87	1.18	1.20	-1.20	0.14	0.03	0.15	0.08 (MC)	2,9,24,24
947	11.7	0.08	0.08	0.59	2.04	1.32	1.34	-1.31	0.16	0.33	0.17	0.09 (MC)	2,13,24,21
949	11.7	0.08	0.08	0.59	2.04	1.32	1.34	-1.31	0.16	0.33	0.17	0.09 (MC)	2,13,24,21
950	11.7	0.07	0.07	0.61	2.02	1.30	1.32	-1.28	0.15	0.26	0.17	0.08 (MC)	2,13,24,24
951	11.7	0.06	0.06	0.62	1.97	1.26	1.28	-1.28	0.15	0.15	0.16	0.08 (MC)	2,13,24,24
952	11.7	0.06	0.06	0.63	1.92	1.22	1.24	-1.24	0.14	0.06	0.15	0.08 (MC)	2,13,24,24
953	11.7	0.06	0.06	0.63	1.87	1.18	1.20	-1.20	0.14	0.03	0.15	0.08 (MC)	2,9,24,24
955	11.7	0.08	0.08	0.59	2.04	1.32	1.34	-1.31	0.16	0.33	0.17	0.09 (MC)	2,13,24,21
957	11.7	0.08	0.08	0.59	2.04	1.32	1.34	-1.31	0.16	0.33	0.17	0.09 (MC)	2,13,24,21
958	11.7	0.07	0.07	0.61	2.02	1.30	1.32	-1.28	0.15	0.26	0.17	0.08 (MC)	2,13,24,24
959	11.7	0.06	0.06	0.62	1.97	1.26	1.28	-1.28	0.15	0.15	0.16	0.08 (MC)	2,13,24,24
960	11.7	0.06	0.06	0.63	1.92	1.22	1.24	-1.24	0.14	0.06	0.15	0.08 (MC)	2,13,24,24
961	11.7	0.06	0.06	0.63	1.87	1.18	1.20	-1.20	0.14	0.03	0.15	0.08 (MC)	2,9,24,24
963	11.7	0.08	0.08	0.59	2.04	1.32	1.34	-1.31	0.16	0.33	0.17	0.09 (MC)	2,13,24,21
965	11.7	0.08	0.08	0.59	2.04	1.32	1.34	-1.31	0.16	0.33	0.17	0.09 (MC)	2,13,24,21
966	11.7	0.07	0.07	0.61	2.02	1.30	1.32	-1.28	0.15	0.26	0.17	0.08 (MC)	2,13,24,24
967	11.7	0.06	0.06	0.62	1.97	1.26	1.28	-1.28	0.15	0.15	0.16	0.08 (MC)	2,13,24,24
...													
1057	11.7	0.07	0.07	0.62	1.79	1.13	1.12	-1.11	0.13	0.08	0.15	0.14 (MC)	2,9,24,21
Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/Ap	P/Acv	Ver Mo	Ver Mo(S)	Ver Mp		
	11.67	0.08	0.08	0.59	2.04	1.32	1.34	-1.11	0.16	0.33	0.24		

Setto	Mat.	Spessore	Gamma non sis.	Gamma sis.	Stato
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Setto	Mat.								Spessore	Gamma non sis.	Gamma sis.	Stato	
									cm				
26	Danesi - Poroton P800 38.19.25 e malta di classe M10 -muratura E = 6.530e+04								24.0	3.00	2.40	ok L	
Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/AP	P/ACv	Ver Mo	Ver Mo(S)	Ver Mp	Ver. V	Rif. cmb
					daN/cm2	daN/cm2	daN/cm2	daN/cm2					
341	2.5	0.01	0.01	0.94	2.11	1.32	1.39	-2.11	0.10	0.20	0.38	0.44 (MC)	2,13,24,2
919	2.5	0.01	0.01	0.94	2.11	1.32	1.39	-2.11	0.10	0.20	0.38	0.44 (MC)	2,13,24,2
920	2.5	0.01	0.01	0.94	2.24	1.41	1.50	-2.11	0.11	0.21	0.41	0.44 (MC)	2,13,24,2
929	2.5	0.01	0.01	0.94	2.24	1.38	1.50	-2.20	0.11	0.22	0.41	0.40 (MC)	2,13,24,2
930	2.5	0.01	0.01	0.94	2.24	1.41	1.50	-2.11	0.11	0.21	0.41	0.44 (MC)	2,13,24,2
937	2.5	0.01	0.01	0.94	2.20	1.34	1.47	-2.14	0.11	0.23	0.38	0.43 (MC)	2,13,24,2
938	2.5	0.01	0.01	0.94	2.24	1.38	1.50	-2.20	0.11	0.22	0.41	0.40 (MC)	2,13,24,2
945	2.5	0.01	0.01	0.94	2.14	1.34	1.42	-2.09	0.10	0.23	0.36	0.47 (MC)	2,13,24,2
946	2.5	0.01	0.01	0.94	2.20	1.34	1.47	-2.14	0.11	0.23	0.38	0.43 (MC)	2,13,24,2
953	2.5	0.01	0.01	0.94	2.09	1.31	1.38	-2.05	0.10	0.22	0.34	0.49 (MC)	2,13,24,2
954	2.5	0.01	0.01	0.94	2.14	1.34	1.42	-2.09	0.10	0.23	0.36	0.47 (MC)	2,13,24,2
961	2.5	0.01	0.01	0.94	2.05	1.28	1.35	-2.02	0.10	0.22	0.33	0.50 (MC)	2,13,24,2
962	2.5	0.01	0.01	0.94	2.09	1.31	1.38	-2.05	0.10	0.22	0.34	0.49 (MC)	2,13,24,2
969	2.5	0.01	0.01	0.94	2.02	1.26	1.32	-2.02	0.10	0.21	0.32	0.50 (MC)	2,13,24,2
970	2.5	0.01	0.01	0.94	2.05	1.28	1.35	-2.02	0.10	0.22	0.33	0.50 (MC)	2,13,24,2
977	2.5	0.01	0.01	0.94	1.99	1.24	1.30	-1.99	0.10	0.20	0.30	0.50 (MC)	2,13,24,2
978	2.5	0.01	0.01	0.94	2.02	1.26	1.32	-2.02	0.10	0.21	0.32	0.50 (MC)	2,13,24,2
985	2.5	0.01	0.01	0.94	1.96	1.23	1.28	-1.96	0.10	0.19	0.29	0.49 (MC)	2,13,24,2
986	2.5	0.01	0.01	0.94	1.99	1.24	1.30	-1.99	0.10	0.20	0.30	0.50 (MC)	2,13,24,2
994	2.5	0.01	0.01	0.94	1.96	1.23	1.28	-1.96	0.10	0.19	0.29	0.49 (MC)	2,13,24,2
Nodo	h0/t	Ecc/t(M)	Ecc/t	Fi t	P/Ao	P/Ao(s)	P/AP	P/ACv	Ver Mo	Ver Mo(S)	Ver Mp		
	2.50	0.01	0.01	0.94	2.24	1.41	1.50	-1.96	0.11	0.23	0.41		



La figura indica la corretta verifica degli elementi in muratura (colore ciano).



(Ing. Massimo Galli)