Comune

GENOVA

Provincia

GENOVA

Titolo del progetto

REALIZZAZIONE DEL NUOVO IMPIANTO DI DEPURAZIONE AREA CENTRALE DI GENOVA - D.A.C.

Livello di progettazione	Settore di business	Disciplina
D - DEFINITIVO	I2 - DEPURAZIONE	STR - STRUTTURALE

Numero	Titolo	Scala
RT−009	ALLEGATO 1 COMPARTO PRETRATTAMENTI PRIMARI RELAZIONE DI CALCOLO STRUTTURALE	-

ID Progetto	Titolo sintetico (nome file di stampa)	Codifica WBS
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Rev.	Data	Descrizione	Redatto	Controllato	Approvato

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1. OGGETTO DELLA RELAZIONE

Il comparto pretrattamenti primari è composto dal fabbricato e dalle vasche in esso contenute che risultano strutturalmente indipendenti fra loro. Sono pertanto stati realizzati due distinti modelli di calcolo agli elementi finiti di cui si riportano di seguito i dati inseriti, i risultati del calcolo, del progetto e della verifica degli elementi strutturali.

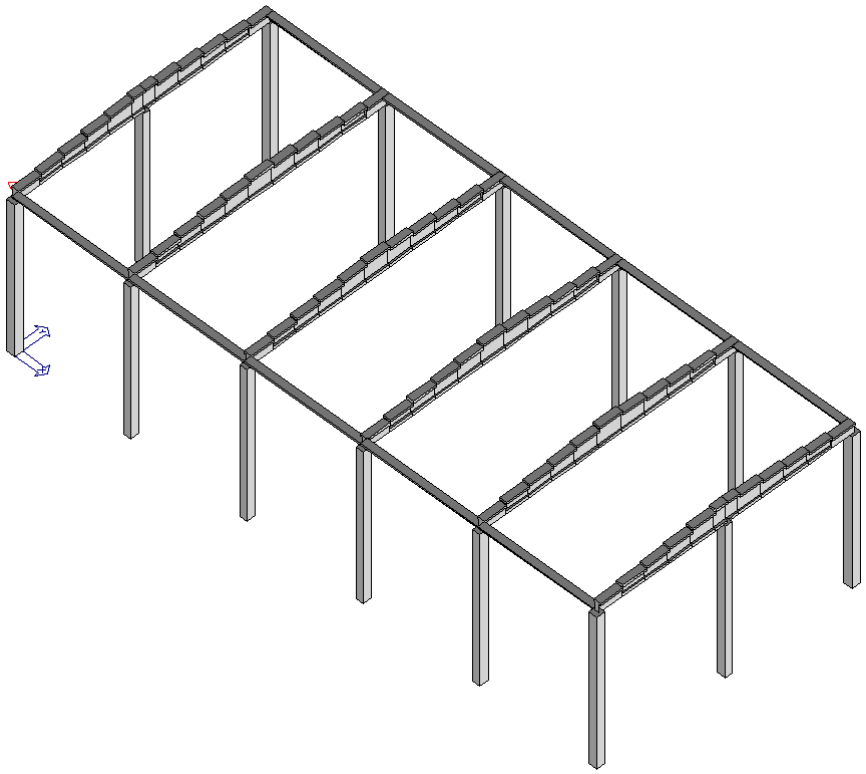
2. FABBRICATO PRETRATTAMENTI

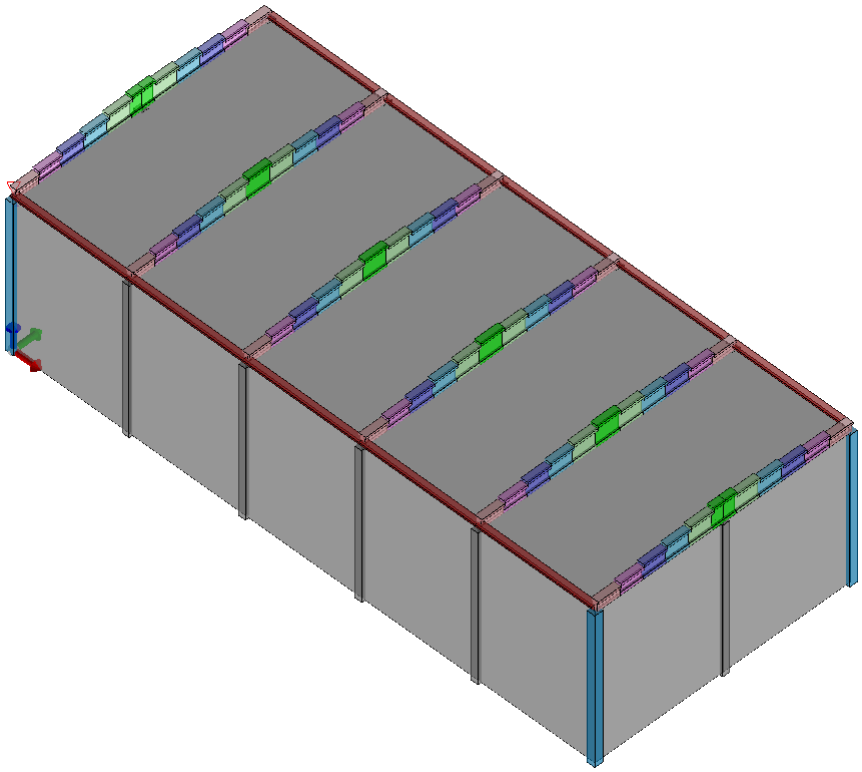
La struttura portante del fabbricato è composta da colonne isostatiche incastrate alla base (sezione 70 cm x 70 cm e 60 cm x 70 cm) e travi isostatiche semplicemente appoggiate agli estremi, ad altezza variabile. La copertura è realizzata con tegoli precompressi schematizzati con elementi solaio al solo scopo di applicare i carichi alle travi, senza alcun piano rigido.

Le colonne sono fissate alla base sui plinti su pali, realizzati in opera, in cui è prevista la realizzazione dell'apposito bicchiere. Nel modello i vincoli sono schematizzati come incastri.

Il tamponamento è realizzato con pannelli prefabbricati orizzontali fissati ai pilastri che sono schematizzati elementi pannello al solo scopo di applicare i pesi e le masse in modo il più possibile aderente alla realtà.

Per progettare e verificare l'armatura, sia in condizione statica sia in condizione sismica, con le assunzioni descritte nella relazione generale sulle strutture, è stato realizzato un modello agli elementi finiti, le cui immagini sono di seguito riportate.





Si riportano di seguito i tabulati relativi ai dati inseriti, ai principali risultati ottenuti ed alla progettazione degli elementi portanti.

2.1 DESCRIZIONE DELLA MODELLAZIONE

Tipo di analisi strutturale	
Statica lineare	SI
Statica non lineare	NO
Sismica statica lineare	NO
Sismica dinamica lineare	SI

Modellazione della geometria e proprietà meccaniche:	
nodi	88
elementi D2 (per aste, travi, pilastri…)	92
elementi D3 (per pareti, platee, gusci…)	0
elementi solaio	19
elementi solidi	0
Dimensione del modello strutturale [cm]:	
X min =	0.00
Xmax =	5000.00
Ymin =	0.00
Ymax =	2190.00
Zmin =	0.00
Zmax =	1300.00
Strutture verticali:	
Elementi di tipo asta	NO
Pilastri	SI
Pareti	NO
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	NO
Solai senza la proprietà piano rigido	SI
Tipo di vincoli:	
Nodi vincolati rigidamente	SI
Nodi vincolati elasticamente	NO
Nodi con isolatori sismici	NO
Fondazioni puntuali (plinti/plinti su palo)	NO
Fondazioni di tipo trave	NO
Fondazioni di tipo platea	NO

2.2 CARATTERISTICHE MATERIALI UTILIZZATI

LEGENDA TABELLA DATI MATERIALI

Il programma consente l'uso di materiali diversi. Sono previsti i seguenti tipi di materiale:

1	materiale tipo cemento armato
2	materiale tipo acciaio
3	materiale tipo muratura
4	materiale tipo legno
5	materiale tipo generico

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
Poisson	coefficiente di contrazione trasversale
G	modulo di elasticità tangenziale
Gamma	peso specifico
Alfa	coefficiente di dilatazione termica

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	***cemento armato***		
		Rck	resistenza caratteristica cubica
		Fctm	resistenza media a trazione semplice
2	***acciaio***		
		Ft	tensione di rottura a trazione
		Fy	tensione di snervamento
		Fd	resistenza di calcolo
		Fdt	resistenza di calcolo per spess. t>40 mm
		Sadm	tensione ammissibile
		Sadmt	tensione ammissibile per spess. t>40 mm

TABELLA DATI MATERIALI

Id	Tipo / Note		Young	Poisson	G	Gamma	Alfa
		daN/cm2	daN/cm2		daN/cm2	daN/cm3	
2	Calcestruzzo Classe C20/25		3.020e+05	0.20	1.258e+05	2.50e-03	1.00e-05
	Rck	250.0					
	fctm	22.6					
7	Calcestruzzo Classe C45/55		3.640e+05	0.20	1.517e+05	2.50e-03	1.00e-05
	Rck	550.0					
	fctm	38.3					

Di seguito si riportano i dati di progettazione degli elementi in calcestruzzo armato.

Pareti c.a.	**1**
Generalità	
Progetto armatura	Composto con parete sismica
Armatura	
Inclinazione Av [gradi]	90.00
Angolo Av-Ao [gradi]	90.00
Minima tesa	0.25
Massima tesa	4.00
Maglia unica centrale	No
Unico strato verticale	No
Unico strato orizzontale	No
Copriferro [cm]	2.00
Maglia V	
diametro	10
passo	25
diametro aggiuntivi	12
Maglia O	
diametro	8
passo	25
diametro aggiuntivi	8
Stati limite ultimi	
Tensione fy [daN/cm2]	4500.00
Tipo acciaio	tipo C
Coefficiente gamma s	1.15
Coefficiente gamma c	1.50
Fattore di confidenza FC	0.0
Verifiche con N costante	Si
Parete sismica	
Fattore amplificazione taglio V	1.50
Hcrit. par. 7.4.4.5.1 [cm]	0.0
Hcrit. par. 7.4.6.1.4 [cm]	0.0
Usa diagramma di fig. 7.4.2	Si
Vincolo lati	nessun lato
Verifica come fascia	No
Diametro di estremità	0
Zona confinata	
Minima tesa	1.00
Massima tesa	4.00
Distanza barre [cm]	2.00
Interferro	2

Gusci c.a.	**1**
Armatura	
Inclinazione Ax [gradi]	0.0
Angolo Ax-Ay [gradi]	90.00
Minima tesa	0.20
Massima tesa	0.78
Maglia unica centrale	No
Copriferro [cm]	4.00
Maglia x	
diametro	20
passo	20
diametro aggiuntivi	20
Maglia y	
diametro	20
passo	20
diametro aggiuntivi	20
Stati limite ultimi	
Tensione fy [daN/cm2]	4500.00
Tipo acciaio	tipo C
Coefficiente gamma s	1.15
Coefficiente gamma c	1.50
Fattore di confidenza FC	0.0
Verifiche con N costante	Si
Applica SLU da DIN	No

Travi c.a.	1
Generalità	
Progetta a filo	No
Af inf: da q*L*L /	0.0
Armatura	
Minima tesa	0.31
Minima compressa	0.31
Massima tesa	2.00
Da sezione	Si
Usa armatura teorica	No
Stati limite ultimi	
Tensione fy [daN/cm2]	4500.00
Tensione fy staffe [daN/cm2]	4500.00
Tipo acciaio	tipo C
Coefficiente gamma s	1.15
Coefficiente gamma c	1.50
Fattore di confidenza FC	0.0
Verifiche con N costante	Si
Fattore di ridistribuzione	0.0
Modello per il confinamento	
Relazione tensio-deformativa	Mander
Incrudimento acciaio	5.000e-03
Fattore lambda	1.00
epsilon max,s	4.000e-02
epsilon cu2	4.500e-03
epsilon c2	0.0
epsilon cy	0.0
Staffe	
Diametro staffe	0.0
Passo minimo [cm]	4.00
Passo massimo [cm]	30.00
Passo raffittito [cm]	15.00
Lunghezza zona raffittita [cm]	0.0
Ctg(Teta) Max	2.50
Percentuale sagomati	0.0
Luce di taglio per GR [cm]	0.0
Adotta scorrimento medio	No
Torsione non essenziale inclusa	No

Pilastri c.a.	1
Generalità	
Progetto armatura	Privilegia lati
Progetta a filo	No
Effetti del 2 ordine	Si
Beta per 2-2	1.00
Beta per 3-3	1.00
Armatura	
Massima tesa	4.00
Minima tesa	1.00
Stati limite ultimi	
Tensione fy [daN/cm2]	4500.00
Tensione fy staffe [daN/cm2]	4500.00
Tipo acciaio	tipo C
Coefficiente gamma s	1.15
Coefficiente gamma c	1.50
Fattore di confidenza FC	0.0
Verifiche con N costante	Si
Modello per il confinamento	
Relazione tensio-deformativa	Mander
Incrudimento acciaio	5.000e-03
Fattore lambda	1.00
epsilon max,s	4.000e-02
epsilon cu2	4.500e-03
epsilon c2	0.0
epsilon cy	0.0
Staffe	
Diametro staffe	0.0
Passo minimo [cm]	5.00
Passo massimo [cm]	25.00
Passo raffittito [cm]	15.00

Pilastri c.a.	1
Lunghezza zona raffittita [cm]	45.00
Ctg(Teta) Max	2.50
Luce di taglio per GR [cm]	0.0
Massimizza gerarchia	Si

2.3 MODELLAZIONE DELLE SEZIONI

LEGENDA TABELLA DATI SEZIONI

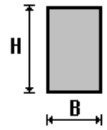
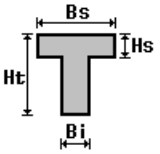
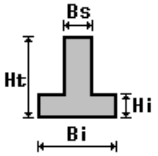
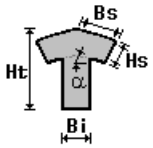
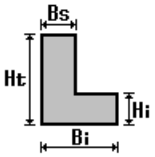
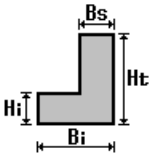
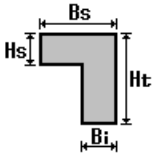
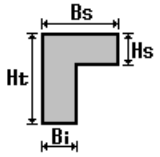
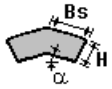
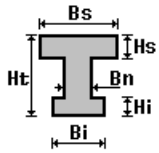
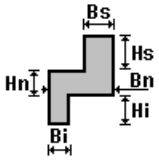
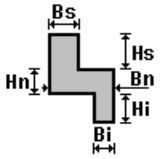
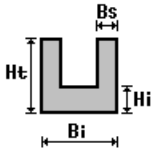
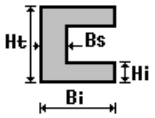
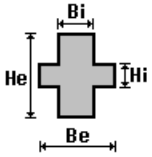
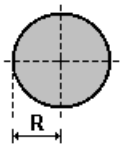
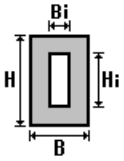
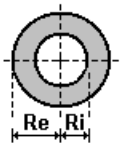
Il programma consente l'uso di sezioni diverse. Sono previsti i seguenti tipi di sezione:

1 sezione di tipo generico
2 profilati semplici
3 profilati accoppiati e speciali

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 soprariportati 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 rovescia	 a L rovescia	 a L di colmo	 a doppio T	 a quattro specchiata	 a quattro
 a U	 a C	 a croce	 circolare	 rettangolare cava	 circolare cava

Per quanto concerne i profilati semplici ed accoppiati l'asse 2 del riferimento coincide con l'asse x riportato nei più diffusi profilari.

Per quanto concerne le sezioni di tipo generico (tipo 1.):
i valori dimensionali con prefisso B sono riferiti all'asse 2
i valori dimensionali con prefisso H sono riferiti all'asse 3

TABELLA DATI SEZIONI

Id	Tipo	Area	A V2	A V3	Jt	J 2-2	J 3-3	W 2-2	W 3-3	Wp 2-2	Wp 3-3
		cm2	cm2	cm2	cm4	cm4	cm4	cm3	cm3	cm3	cm3
1	Pilastri 60x70	4200	3500	3500	2.448e+06	1.715e+06	1.260e+06	4.900e+04	4.200e+04	7.350e+04	6.300e+04
2	Pilastri 70x70	4900	4083	4083	3.375e+06	2.001e+06	2.001e+06	5.717e+04	5.717e+04	8.575e+04	8.575e+04
3	trave h=190	3794	0.0	0.0	3.156e+05	4.595e+05	1.762e+07	1.532e+04	1.754e+05	3.052e+04	2.353e+05
4	trave h=170	3554	0.0	0.0	3.040e+05	4.566e+05	1.328e+07	1.522e+04	1.472e+05	2.980e+04	1.985e+05
5	trave h=150	3314	0.0	0.0	2.925e+05	4.537e+05	9.654e+06	1.512e+04	1.207e+05	2.908e+04	1.642e+05
6	trave h=130	3074	0.0	0.0	2.810e+05	4.508e+05	6.689e+06	1.503e+04	9.605e+04	2.836e+04	1.323e+05
7	trave h=110	2834	0.0	0.0	2.695e+05	4.480e+05	4.339e+06	1.493e+04	7.319e+04	2.764e+04	1.027e+05
8	trave H=90	3816	0.0	0.0	1.303e+06	6.532e+05	2.779e+06	2.177e+04	5.702e+04	4.219e+04	9.017e+04
9	trave gronda	1080	0.0	0.0	4.411e+04	2.190e+05	1.858e+05	7300.00	5463.53	1.170e+04	1.026e+04

2.4 MODELLAZIONE DELLA STRUTTURA: ELEMENTI SOLAIO

LEGENDA TABELLA DATI SOLAI

Il programma utilizza per la modellazione di elementi a tre o più nodi denominati in generale solaio.
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 può essere utilizzato per la corretta ripartizione delle forze orizzontali agenti nel proprio piano. L'elemento balcone è derivato dall'elemento solaio.

I carichi agenti sugli elementi, raccolti in un archivio, sono direttamente assegnati agli elementi utilizzando le informazioni raccolte nell' archivio (es. i coefficienti combinatori).

L'elemento pannello è utilizzato solo per l'applicazione dei carichi, quali pesi delle tamponature o spinte dovute al vento o terre. In questo caso i carichi sono applicati in analogia agli altri elementi strutturali

La tabella seguente riporta i dati utilizzati per la definizione dei carichi e delle masse.

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 ***S*** elemento utilizzato solo per scarico ***C*** elemento utilizzato per scarico e per modellazione piano rigido ***M*** scarico monodirezionale ***B*** scarico bidirezionale
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 (comprensivo del peso proprio)
Qk	carico variabile
Nodi	numero dei nodi che definiscono l'elemento (5 per riga)

TABELLA DATI SOLAI

ID Arch.	Tipo	G1k	G2k	Qk	Fatt. A	s sis.	Psi 0	Psi 1	Psi 2	Psi S 2	Fatt. Fi
		daN/cm2	daN/cm2	daN/cm2							
1	Variab.	1.50e-02		2.00e-02		1.00	1.00	0.90	0.80	0.80	1.00

Elem.	Tipo	ID Arch.	Mat.	Spessore	Orditura	G1k	G2k	Qk	Nodo 1/6..	Nodo 2/7..	Nodo 3/8..	Nodo..	Nodo..
						daN/cm2	daN/cm2	daN/cm2					
1	SM	1	m=7	1.0	0.0	1.50e-02		2.00e-02	15	16	84	83	
2	SM	1	m=7	1.0	0.0	1.50e-02		2.00e-02	16	17	85	84	
3	SM	1	m=7	1.0	0.0	1.50e-02		2.00e-02	17	18	86	85	
4	SM	1	m=7	1.0	0.0	1.50e-02		2.00e-02	18	19	87	86	
5	SM	1	m=7	1.0	0.0	1.50e-02		2.00e-02	19	20	88	87	

I carichi applicati sono:

- Peso proprio solaio: 150 daN/m^2
- Variabile (comprensivo di neve): 200 daN/m^2

Numerazione elementi solaio

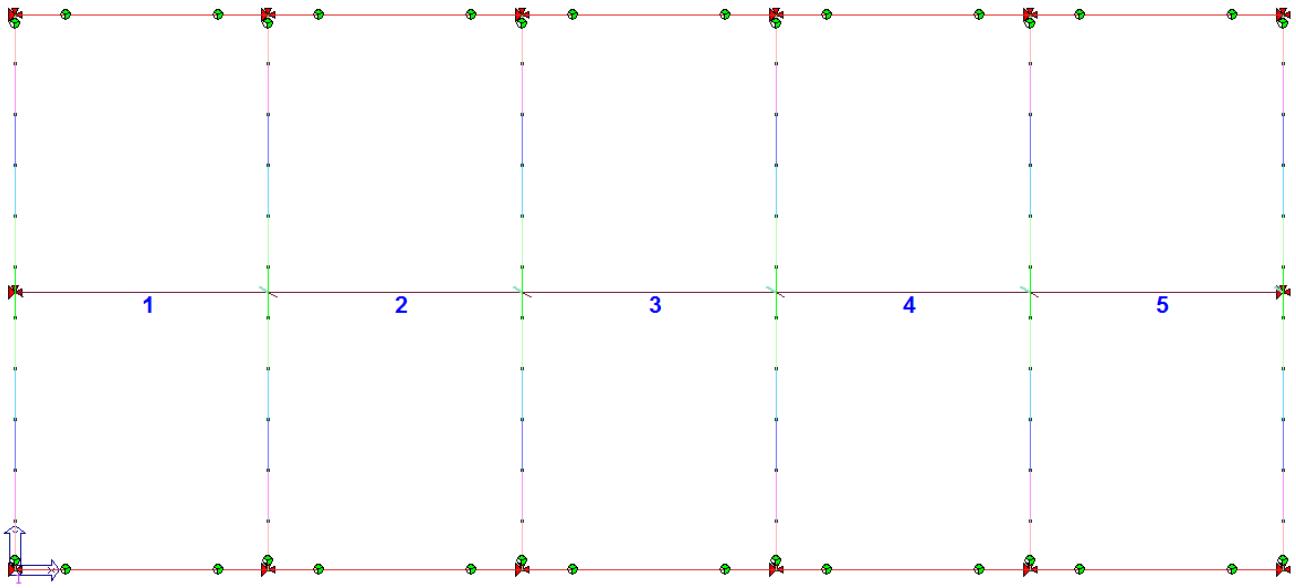
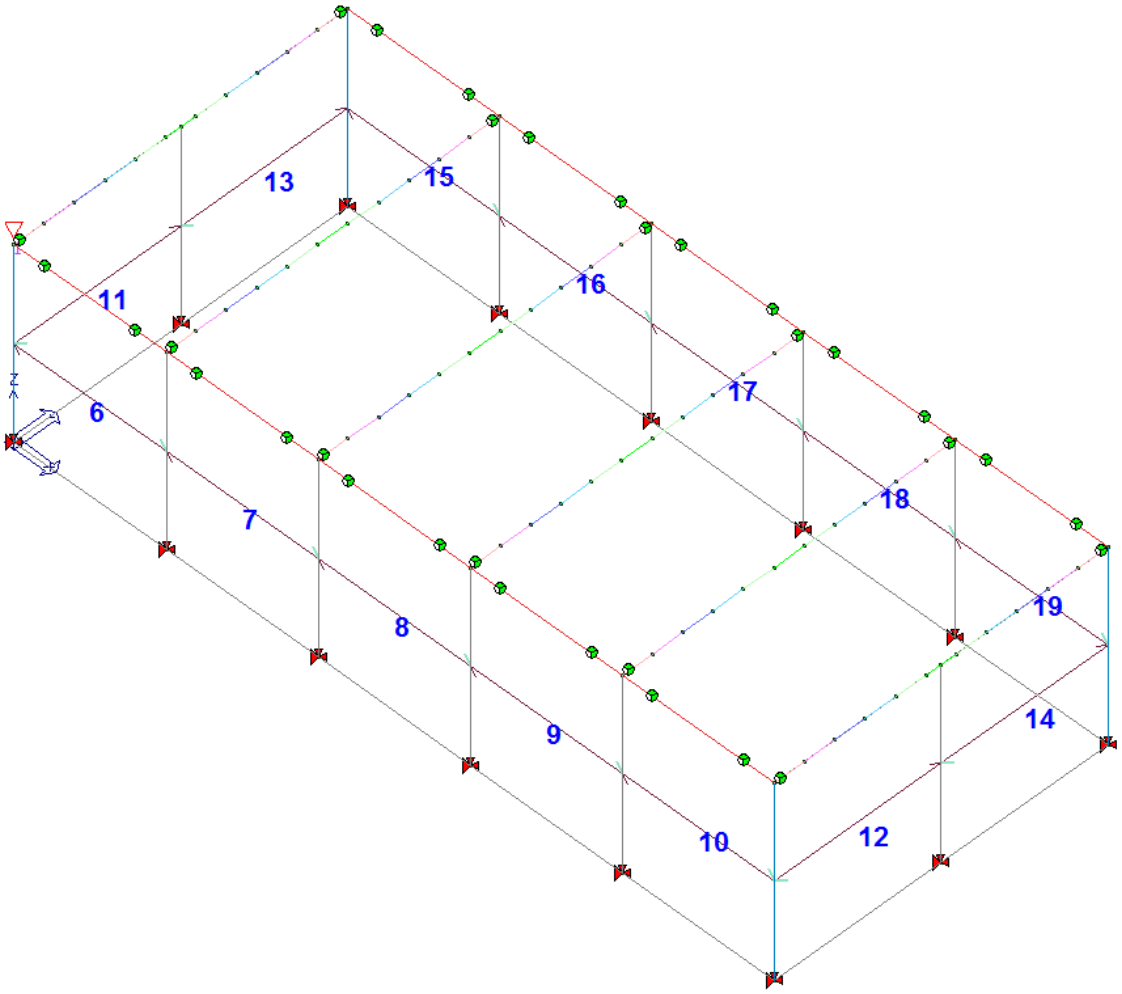


TABELLA DATI PENNELLI

Elem.	Tipo	ID Arch.	Mat.	Spessore	Orditura	G1k daN/cm2	G2k daN/cm2	Qk daN/cm2	Nodo 1	Nodo 2	Nodo 3	Nodo 4
6	PM		m=2	12.0	0.0				16	2	1	15
7	PM		m=2	12.0	0.0				17	3	2	16
8	PM		m=2	12.0	0.0				18	4	3	17
9	PM		m=2	12.0	0.0				19	5	4	18
10	PM		m=2	12.0	0.0				20	6	5	19
11	PM		m=2	12.0	0.0				15	1	7	51
12	PM		m=2	12.0	0.0				20	6	8	52
13	PM		m=2	12.0	0.0				51	7	9	83
14	PM		m=2	12.0	0.0				52	8	14	88
15	PM		m=2	12.0	0.0				84	10	9	83
16	PM		m=2	12.0	0.0				85	11	10	84
17	PM		m=2	12.0	0.0				86	12	11	85
18	PM		m=2	12.0	0.0				87	13	12	86
19	PM		m=2	12.0	0.0				88	14	13	87

Numerazione elementi pannello



2.5 MODELLAZIONE DELLE AZIONI

LEGENDA TABELLA DATI AZIONI

Il programma consente l'uso di diverse tipologie di carico (azioni). Le azioni utilizzate nella modellazione sono individuate da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni azione applicata alla struttura viene di riportato il codice, il tipo e la sigla identificativa. Le tabelle successive dettagliano i valori caratteristici di ogni azione in relazione al tipo. Le tabelle riportano infatti i seguenti dati in relazione al tipo:

1	**carico concentrato nodale** 6 dati (forza Fx, Fy, Fz, momento Mx, My, Mz)
2	**spostamento nodale impresso** 6 dati (spostamento Tx,Ty,Tz, rotazione Rx,Ry,Rz)
3	**carico distribuito globale su elemento tipo trave** 7 dati (fx,fy,fz,mx,my,mz,ascissa di inizio carico) 7 dati (fx,fy,fz,mx,my,mz,ascissa di fine carico)
4	**carico distribuito locale su elemento tipo trave** 7 dati (f1,f2,f3,m1,m2,m3,ascissa di inizio carico) 7 dati (f1,f2,f3,m1,m2,m3,ascissa di fine carico)
5	**carico concentrato globale su elemento tipo trave** 7 dati (Fx,Fy,Fz,Mx,My,Mz,ascissa di carico)
6	**carico concentrato locale su elemento tipo trave** 7 dati (F1, F2, F3, M1, M2, M3, ascissa di carico)
7	**variazione termica applicata ad elemento tipo trave** 7 dati (variazioni termiche: uniforme, media e differenza in altezza e larghezza al nodo iniziale e finale)
8	**carico di pressione uniforme su elemento tipo piastra** 1 dato (pressione)
9	**carico di pressione variabile su elemento tipo piastra** 4 dati (pressione, quota, pressione, quota)
10	**variazione termica applicata ad elemento tipo piastra** 2 dati (variazioni termiche: media e differenza nello spessore)
11	**carico variabile generale su elementi tipo trave e piastra** 1 dato descrizione della tipologia 4 dati per segmento (posizione, valore, posizione, valore) la tipologia precisa l'ascissa di definizione, la direzione del carico, la modalità di carico e la larghezza d'influenza per gli elementi tipo trave
12	**gruppo di carichi con impronta su piastra** 9 dati (numero di ripetizioni in direzione X e Y, valore di ciascun carico, posizione centrale del primo, dimensioni dell' impronta, interasse tra i carichi

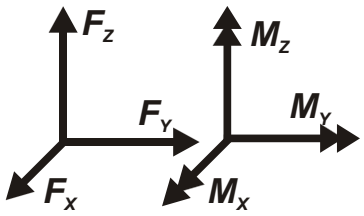
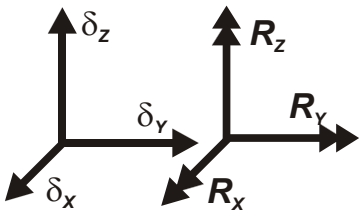
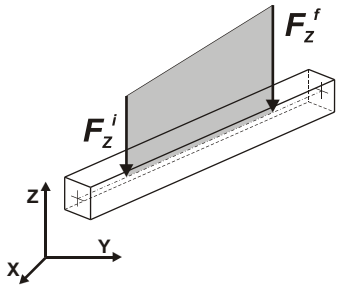
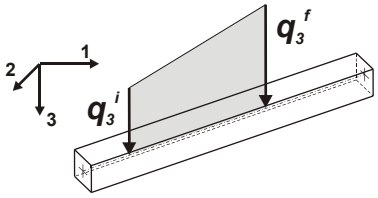
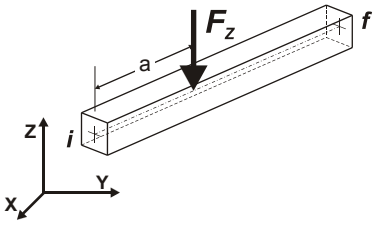
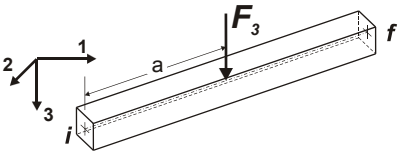
 Carico concentrato nodale	 Spostamento impresso
 Carico distribuito globale	 Carico distribuito locale
 Carico concentrato globale	 Carico concentrato locale

TABELLA DATI AZIONI

Tipo	carico di pressione uniforme su piastra

Id	Tipo	pressione
		daN/cm2
1	QVK PAN ++ vento*0.4	5.00e-03
2	QVK PAN -- vento*0.4	5.00e-03

La pressione del vento è:

- sup. sopravento 100 daN/m^2 (carico applicato 2 volte)
- sup. sottovento 50 daN/m^2 (carico applicato 1 volta)

I carichi applicati sono descritti nella relazione generale sulle strutture.

2.6 SCHEMATIZZAZIONE DEI CASI DI CARICO

LEGENDA TABELLA CASI DI CARICO

Il programma consente l'applicazione di diverse tipologie di casi di carico.

Sono previsti i seguenti 11 tipi di casi di carico:

	Sigla	*Tipo*	*Descrizione*
1	**Ggk**	A	caso di carico comprensivo del peso proprio struttura
2	**Gk**	NA	caso di carico con azioni permanenti
3	**Qk**	NA	caso di carico con azioni variabili
4	**Gsk**	A	caso di carico comprensivo dei carichi permanenti sui solai e sulle coperture
5	**Qsk**	A	caso di carico comprensivo dei carichi variabili sui solai
6	**Qnk**	A	caso di carico comprensivo dei carichi di neve sulle coperture
7	**Qtk**	SA	caso di carico comprensivo di una variazione termica agente sulla struttura
8	**Qvk**	NA	caso di carico comprensivo di azioni da vento sulla struttura
9	**Esk**	SA	caso di carico sismico con analisi statica equivalente
10	**Edk**	SA	caso di carico sismico con analisi dinamica
11	**Pk**	NA	caso di carico comprensivo di azioni derivanti da coazioni, cedimenti e precompressioni

Sono di tipo automatico A (ossia non prevedono introduzione dati da parte dell'utente) i seguenti casi di carico: 1-Ggk; 4-Gsk; 5-Qsk; 6-Qnk.

Sono di tipo semi-automatico SA (ossia prevedono una minima introduzione dati da parte dell'utente) i seguenti casi di carico:

7-Qtk, in quanto richiede solo il valore della variazione termica;

9-Esk e 10-Edk, in quanto richiedono il valore dell'angolo di ingresso del sisma e l'individuazione dei casi di carico partecipanti alla definizione delle masse.

Sono di tipo non automatico NA ossia prevedono la diretta applicazione di carichi generici agli elementi strutturali (si veda il precedente punto Modellazione delle Azioni) i restanti casi di carico.

Nella tabella successiva vengono riportati i casi di carico agenti sulla struttura, con l'indicazione dei dati relativi al caso di carico stesso:

Numero Tipo e *Sigla identificativa*, *Valore di riferimento* del caso di carico (se previsto).

In successione, per i casi di carico non automatici, viene riportato l'elenco di nodi ed elementi direttamente caricati con la sigla identificativa del carico.

Per i casi di carico di tipo sismico (9-Esk e 10-Edk), viene riportata la tabella di definizione delle masse: per ogni caso di carico partecipante alla definizione delle masse viene indicata la relativa aliquota (partecipazione) considerata. Si precisa che per i caso di carico 5-Qsk e 6-Qnk la partecipazione è prevista localmente per ogni elemento solaio o copertura presente nel modello (si confronti il valore Sksol nel capitolo relativo agli elementi solaio) e pertanto la loro partecipazione è di norma pari a uno.

TABELLA 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=G2pk (permanente pannelli n.c.d.)	
4	Qsk	CDC=Qsk (variabile solai)	
5	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	partecipazione:1.0 per 1 CDC=Ggk (peso proprio della struttura)
			partecipazione:1.0 per 2 CDC=G1sk (permanente solai-coperture)
			partecipazione:1.0 per 3 CDC=G2pk (permanente pannelli n.c.d.)
			partecipazione:1.0 per 4 CDC=Qsk (variabile solai)
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
13	Qvk	CDC=Qvk (carico da vento) dir X +	Pannello: 11 Azione : QVK PAN ++ vento*0.4
			Pannello: 11 Azione : QVK PAN ++ vento*0.4
			Pannello: 12 Azione : QVK PAN ++ vento*0.4
			Pannello: 13 Azione : QVK PAN ++ vento*0.4
			Pannello: 13 Azione : QVK PAN ++ vento*0.4
			Pannello: 14 Azione : QVK PAN ++ vento*0.4
14	Qvk	CDC=Qvk (carico da vento) dir X -	Pannello: 11 Azione : QVK PAN -- vento*0.4
			Pannello: 12 Azione : QVK PAN -- vento*0.4
			Pannello: 12 Azione : QVK PAN -- vento*0.4
			Pannello: 13 Azione : QVK PAN -- vento*0.4
			Pannello: 14 Azione : QVK PAN -- vento*0.4
			Pannello: 14 Azione : QVK PAN -- vento*0.4
15	Qvk	CDC=Qvk (carico da vento) dir Y +	Pannello:da 6 a 10 Azione : QVK PAN ++ vento*0.4
			Pannello:da 6 a 10 Azione : QVK PAN ++ vento*0.4
			Pannello:da 15 a 19 Azione : QVK PAN ++ vento*0.4
16	Qvk	CDC=Qvk (carico da vento) dir Y -	Pannello:da 6 a 10 Azione : QVK PAN -- vento*0.4
			Pannello:da 15 a 19 Azione : QVK PAN -- vento*0.4
			Pannello:da 15 a 19 Azione : QVK PAN -- vento*0.4

2.7 DEFINIZIONE DELLE COMBINAZIONI

LEGENDA TABELLA COMBINAZIONI DI CARICO

Il programma combina i diversi tipi di casi di carico (CDC) secondo le regole previste dalla normativa vigente.
Le combinazioni previste sono destinate al controllo di sicurezza della struttura ed alla verifica degli spostamenti e delle sollecitazioni.

La tabella delle combinazioni riportata di seguito comprende le seguenti informazioni: *Numero*, *Tipo*, *Sigla identificativa* e il *peso nella combinazione*, assunto per ogni caso di carico.

Ai fini delle verifiche degli stati limite si definiscono le seguenti combinazioni delle azioni:
Combinazione fondamentale SLU

$\gamma G1 \cdot G1 + \gamma G2 \cdot G2 + \gamma P \cdot P + \gamma Q1 \cdot Qk1 + \gamma Q2 \cdot \psi 02 \cdot Qk2 + \gamma Q3 \cdot \psi 03 \cdot Qk3 + \ldots$

Combinazione caratteristica (rara) SLE

$G1 + G2 + P + Qk1 + \psi 02 \cdot Qk2 + \psi 03 \cdot Qk3 + \ldots$

Combinazione sismica, impiegata per gli stati limite ultimi e di esercizio connessi all'azione sismica E

$E + G1 + G2 + P + \psi 21 \cdot Qk1 + \psi 22 \cdot Qk2 + \ldots$

Combinazione eccezionale, impiegata per gli stati limite connessi alle azioni eccezionali

$G1 + G2 + P + \psi 21 \cdot Qk1 + \psi 22 \cdot Qk2 + \ldots$

Dove:

NTC 2008 Tabella 2.5.I

Destinazione d'uso/azione	**ψ0**	**ψ1**	**ψ2**
Categoria A residenziali	0,70	0,50	0,30
Categoria B uffici	0,70	0,50	0,30
Categoria C ambienti suscettibili di affollamento	0,70	0,70	0,60
Categoria D ambienti ad uso commerciale	0,70	0,70	0,60
Categoria E biblioteche, archivi, magazzini,…	1,00	0,90	0,80
Categoria F Rimesse e parcheggi (autoveicoli <= 30kN)	0,70	0,70	0,60
Categoria G Rimesse e parcheggi (autoveicoli > 30kN)	0,70	0,50	0,30
Categoria H Coperture	0,00	0,00	0,00
Vento	0,60	0,20	0,00
Neve a quota <= 1000 m	0,50	0,20	0,00
Neve a quota > 1000 m	0,70	0,50	0,20
Variazioni Termiche	0,60	0,50	0,00

Nelle verifiche si adotta l'approccio 2 dove si definisce un'unica combinazione per le azioni, per la resistenza dei materiali e per la resistenza globale (con coefficienti A1).

NTC 2008 Tabella 2.6.I

		Coefficiente γf	**EQU**	**A1**	**A2**
Carichi permanenti	Favorevoli	γG1	0,9	1,0	1,0
	Sfavorevoli		1,1	1,3	1,0
Carichi permanenti non strutturali	Favorevoli	γG2	0,0	0,0	0,0
(Non compiutamente definiti)	Sfavorevoli		1,5	1,5	1,3
Carichi variabili	Favorevoli	γQi	0,0	0,0	0,0
	Sfavorevoli		1,5	1,5	1,3

TABELLA COMBINAZIONI DI CARICO

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 5
6	SLU	Comb. SLU A1 6
7	SLU	Comb. SLU A1 7
8	SLU	Comb. SLU A1 8
9	SLU	Comb. SLU A1 9
10	SLU	Comb. SLU A1 10
11	SLU	Comb. SLU A1 11
12	SLU	Comb. SLU A1 12
13	SLU	Comb. SLU A1 13
14	SLU	Comb. SLU A1 14
15	SLU	Comb. SLU A1 15
16	SLU	Comb. SLU A1 16
17	SLU	Comb. SLU A1 17
18	SLU	Comb. SLU A1 18
19	SLU	Comb. SLU A1 19
20	SLU	Comb. SLU A1 20
21	SLU	Comb. SLU A1 21
22	SLU	Comb. SLU A1 22
23	SLU	Comb. SLU A1 23
24	SLU	Comb. SLU A1 24
25	SLU	Comb. SLU A1 25
26	SLU	Comb. SLU A1 26
27	SLU	Comb. SLU A1 27
28	SLU	Comb. SLU A1 28
29	SLU	Comb. SLU A1 29
30	SLU	Comb. SLU A1 30
31	SLU	Comb. SLU A1 31
32	SLU	Comb. SLU A1 32
33	SLU	Comb. SLU A1 33
34	SLU	Comb. SLU A1 34
35	SLU	Comb. SLU A1 35
36	SLU	Comb. SLU A1 36
37	SLU	Comb. SLU A1 (SLV sism.) 37
38	SLU	Comb. SLU A1 (SLV sism.) 38
39	SLU	Comb. SLU A1 (SLV sism.) 39
40	SLU	Comb. SLU A1 (SLV sism.) 40
41	SLU	Comb. SLU A1 (SLV sism.) 41
42	SLU	Comb. SLU A1 (SLV sism.) 42
43	SLU	Comb. SLU A1 (SLV sism.) 43
44	SLU	Comb. SLU A1 (SLV sism.) 44
45	SLU	Comb. SLU A1 (SLV sism.) 45
46	SLU	Comb. SLU A1 (SLV sism.) 46
47	SLU	Comb. SLU A1 (SLV sism.) 47
48	SLU	Comb. SLU A1 (SLV sism.) 48
49	SLU	Comb. SLU A1 (SLV sism.) 49
50	SLU	Comb. SLU A1 (SLV sism.) 50
51	SLU	Comb. SLU A1 (SLV sism.) 51
52	SLU	Comb. SLU A1 (SLV sism.) 52
53	SLU	Comb. SLU A1 (SLV sism.) 53
54	SLU	Comb. SLU A1 (SLV sism.) 54
55	SLU	Comb. SLU A1 (SLV sism.) 55
56	SLU	Comb. SLU A1 (SLV sism.) 56
57	SLU	Comb. SLU A1 (SLV sism.) 57
58	SLU	Comb. SLU A1 (SLV sism.) 58
59	SLU	Comb. SLU A1 (SLV sism.) 59
60	SLU	Comb. SLU A1 (SLV sism.) 60
61	SLU	Comb. SLU A1 (SLV sism.) 61
62	SLU	Comb. SLU A1 (SLV sism.) 62
63	SLU	Comb. SLU A1 (SLV sism.) 63
64	SLU	Comb. SLU A1 (SLV sism.) 64
65	SLU	Comb. SLU A1 (SLV sism.) 65
66	SLU	Comb. SLU A1 (SLV sism.) 66
67	SLU	Comb. SLU A1 (SLV sism.) 67
68	SLU	Comb. SLU A1 (SLV sism.) 68
69	SLD(sis)	Comb. SLE (SLD Danno sism.) 69
70	SLD(sis)	Comb. SLE (SLD Danno sism.) 70

Cmb	Tipo	Sigla Id
71	SLD(sis)	Comb. SLE (SLD Danno sism.) 71
72	SLD(sis)	Comb. SLE (SLD Danno sism.) 72
73	SLD(sis)	Comb. SLE (SLD Danno sism.) 73
74	SLD(sis)	Comb. SLE (SLD Danno sism.) 74
75	SLD(sis)	Comb. SLE (SLD Danno sism.) 75
76	SLD(sis)	Comb. SLE (SLD Danno sism.) 76
77	SLD(sis)	Comb. SLE (SLD Danno sism.) 77
78	SLD(sis)	Comb. SLE (SLD Danno sism.) 78
79	SLD(sis)	Comb. SLE (SLD Danno sism.) 79
80	SLD(sis)	Comb. SLE (SLD Danno sism.) 80
81	SLD(sis)	Comb. SLE (SLD Danno sism.) 81
82	SLD(sis)	Comb. SLE (SLD Danno sism.) 82
83	SLD(sis)	Comb. SLE (SLD Danno sism.) 83
84	SLD(sis)	Comb. SLE (SLD Danno sism.) 84
85	SLD(sis)	Comb. SLE (SLD Danno sism.) 85
86	SLD(sis)	Comb. SLE (SLD Danno sism.) 86
87	SLD(sis)	Comb. SLE (SLD Danno sism.) 87
88	SLD(sis)	Comb. SLE (SLD Danno sism.) 88
89	SLD(sis)	Comb. SLE (SLD Danno sism.) 89
90	SLD(sis)	Comb. SLE (SLD Danno sism.) 90
91	SLD(sis)	Comb. SLE (SLD Danno sism.) 91
92	SLD(sis)	Comb. SLE (SLD Danno sism.) 92
93	SLD(sis)	Comb. SLE (SLD Danno sism.) 93
94	SLD(sis)	Comb. SLE (SLD Danno sism.) 94
95	SLD(sis)	Comb. SLE (SLD Danno sism.) 95
96	SLD(sis)	Comb. SLE (SLD Danno sism.) 96
97	SLD(sis)	Comb. SLE (SLD Danno sism.) 97
98	SLD(sis)	Comb. SLE (SLD Danno sism.) 98
99	SLD(sis)	Comb. SLE (SLD Danno sism.) 99
100	SLD(sis)	Comb. SLE (SLD Danno sism.) 100
101	SLE(r)	Comb. SLE(rara) 101
102	SLE(r)	Comb. SLE(rara) 102
103	SLE(r)	Comb. SLE(rara) 103
104	SLE(r)	Comb. SLE(rara) 104
105	SLE(r)	Comb. SLE(rara) 105
106	SLE(r)	Comb. SLE(rara) 106
107	SLE(r)	Comb. SLE(rara) 107
108	SLE(r)	Comb. SLE(rara) 108
109	SLE(r)	Comb. SLE(rara) 109
110	SLE(r)	Comb. SLE(rara) 110
111	SLE(r)	Comb. SLE(rara) 111
112	SLE(r)	Comb. SLE(rara) 112
113	SLE(r)	Comb. SLE(rara) 113
114	SLE(r)	Comb. SLE(rara) 114
115	SLE(r)	Comb. SLE(rara) 115
116	SLE(r)	Comb. SLE(rara) 116
117	SLE(r)	Comb. SLE(rara) 117
118	SLE(r)	Comb. SLE(rara) 118

Cmb	CDC 1/15	CDC 2/16	CDC 3	CDC 4	CDC 5	CDC 6	CDC 7	CDC 8	CDC 9	CDC 10	CDC 11	CDC 12	CDC 13	CDC 14
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	0.90	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	0.90	0.0
	0.0	0.0												
3	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	0.0
	0.0	0.0												
4	1.00	1.00	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	0.0
	0.0	0.0												
5	1.30	1.30	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	0.0
	0.0	0.0												
6	1.30	1.30	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	0.0
	0.0	0.0												
7	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	0.0
	0.0	0.0												
8	1.00	1.00	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	0.0
	0.0	0.0												
9	1.30	1.30	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90
	0.0	0.0												
10	1.30	1.30	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90
	0.0	0.0												

Cmb	CDC 1/15	CDC 2/16	CDC 3	CDC 4	CDC 5	CDC 6	CDC 7	CDC 8	CDC 9	CDC 10	CDC 11	CDC 12	CDC 13	CDC 14
11	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90
	0.0	0.0												
12	1.00	1.00	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90
	0.0	0.0												
13	1.30	1.30	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50
	0.0	0.0												
14	1.30	1.30	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50
	0.0	0.0												
15	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50
	0.0	0.0												
16	1.00	1.00	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50
	0.0	0.0												
17	1.30	1.30	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.90	0.0												
18	1.30	1.30	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.90	0.0												
19	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.90	0.0												
20	1.00	1.00	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.90	0.0												
21	1.30	1.30	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.50	0.0												
22	1.30	1.30	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.50	0.0												
23	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.50	0.0												
24	1.00	1.00	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.50	0.0												
25	1.30	1.30	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.90												
26	1.30	1.30	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.90												
27	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.90												
28	1.00	1.00	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.90												
29	1.30	1.30	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	1.50												
30	1.30	1.30	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	1.50												
31	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	1.50												
32	1.00	1.00	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	1.50												
33	1.30	1.30	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0												
34	1.30	1.30	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0												
35	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0												
36	1.00	1.00	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0												
37	1.00	1.00	1.00	0.80	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0												
38	1.00	1.00	1.00	0.80	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0												
39	1.00	1.00	1.00	0.80	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0												
40	1.00	1.00	1.00	0.80	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0												
41	1.00	1.00	1.00	0.80	-1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0												
42	1.00	1.00	1.00	0.80	-1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0												
43	1.00	1.00	1.00	0.80	1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0												
44	1.00	1.00	1.00	0.80	1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0												
45	1.00	1.00	1.00	0.80	0.0	-1.00	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0												
46	1.00	1.00	1.00	0.80	0.0	-1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0												

Cmb	CDC 1/15	CDC 2/16	CDC 3	CDC 4	CDC 5	CDC 6	CDC 7	CDC 8	CDC 9	CDC 10	CDC 11	CDC 12	CDC 13	CDC 14
47	1.00	1.00	1.00	0.80	0.0	1.00	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0												
48	1.00	1.00	1.00	0.80	0.0	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0												
49	1.00	1.00	1.00	0.80	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0												
50	1.00	1.00	1.00	0.80	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0												
51	1.00	1.00	1.00	0.80	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0												
52	1.00	1.00	1.00	0.80	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0												
53	1.00	1.00	1.00	0.80	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0												
54	1.00	1.00	1.00	0.80	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0												
55	1.00	1.00	1.00	0.80	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0												
56	1.00	1.00	1.00	0.80	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0												
57	1.00	1.00	1.00	0.80	0.0	-0.30	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0												
58	1.00	1.00	1.00	0.80	0.0	-0.30	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0												
59	1.00	1.00	1.00	0.80	0.0	0.30	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0												
60	1.00	1.00	1.00	0.80	0.0	0.30	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0												
61	1.00	1.00	1.00	0.80	-0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0												
62	1.00	1.00	1.00	0.80	-0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0												
63	1.00	1.00	1.00	0.80	0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0												
64	1.00	1.00	1.00	0.80	0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0												
65	1.00	1.00	1.00	0.80	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0												
66	1.00	1.00	1.00	0.80	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0												
67	1.00	1.00	1.00	0.80	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0												
68	1.00	1.00	1.00	0.80	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0												
69	1.00	1.00	1.00	0.80	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0
	0.0	0.0												
70	1.00	1.00	1.00	0.80	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	0.0	0.0	0.0
	0.0	0.0												
71	1.00	1.00	1.00	0.80	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	0.0	0.0	0.0
	0.0	0.0												
72	1.00	1.00	1.00	0.80	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0	0.0	0.0
	0.0	0.0												
73	1.00	1.00	1.00	0.80	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	-0.30	0.0	0.0
	0.0	0.0												
74	1.00	1.00	1.00	0.80	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	0.30	0.0	0.0
	0.0	0.0												
75	1.00	1.00	1.00	0.80	0.0	0.0	0.0	0.0	1.00	0.0	0.0	-0.30	0.0	0.0
	0.0	0.0												
76	1.00	1.00	1.00	0.80	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.30	0.0	0.0
	0.0	0.0												
77	1.00	1.00	1.00	0.80	0.0	0.0	0.0	0.0	0.0	-1.00	-0.30	0.0	0.0	0.0
	0.0	0.0												
78	1.00	1.00	1.00	0.80	0.0	0.0	0.0	0.0	0.0	-1.00	0.30	0.0	0.0	0.0
	0.0	0.0												
79	1.00	1.00	1.00	0.80	0.0	0.0	0.0	0.0	0.0	1.00	-0.30	0.0	0.0	0.0
	0.0	0.0												
80	1.00	1.00	1.00	0.80	0.0	0.0	0.0	0.0	0.0	1.00	0.30	0.0	0.0	0.0
	0.0	0.0												
81	1.00	1.00	1.00	0.80	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0	0.0
	0.0	0.0												
82	1.00	1.00	1.00	0.80	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	0.0	0.0
	0.0	0.0												

Cmb	CDC 1/15	CDC 2/16	CDC 3	CDC 4	CDC 5	CDC 6	CDC 7	CDC 8	CDC 9	CDC 10	CDC 11	CDC 12	CDC 13	CDC 14
83	1.00	1.00	1.00	0.80	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	0.0	0.0
	0.0	0.0												
84	1.00	1.00	1.00	0.80	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0	0.0
	0.0	0.0												
85	1.00	1.00	1.00	0.80	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0
	0.0	0.0												
86	1.00	1.00	1.00	0.80	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	0.0	0.0	0.0
	0.0	0.0												
87	1.00	1.00	1.00	0.80	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	0.0	0.0	0.0
	0.0	0.0												
88	1.00	1.00	1.00	0.80	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.0	0.0	0.0
	0.0	0.0												
89	1.00	1.00	1.00	0.80	0.0	0.0	0.0	0.0	0.0	-0.30	-1.00	0.0	0.0	0.0
	0.0	0.0												
90	1.00	1.00	1.00	0.80	0.0	0.0	0.0	0.0	0.0	-0.30	1.00	0.0	0.0	0.0
	0.0	0.0												
91	1.00	1.00	1.00	0.80	0.0	0.0	0.0	0.0	0.0	0.30	-1.00	0.0	0.0	0.0
	0.0	0.0												
92	1.00	1.00	1.00	0.80	0.0	0.0	0.0	0.0	0.0	0.30	1.00	0.0	0.0	0.0
	0.0	0.0												
93	1.00	1.00	1.00	0.80	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	-1.00	0.0	0.0
	0.0	0.0												
94	1.00	1.00	1.00	0.80	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	1.00	0.0	0.0
	0.0	0.0												
95	1.00	1.00	1.00	0.80	0.0	0.0	0.0	0.0	0.30	0.0	0.0	-1.00	0.0	0.0
	0.0	0.0												
96	1.00	1.00	1.00	0.80	0.0	0.0	0.0	0.0	0.30	0.0	0.0	1.00	0.0	0.0
	0.0	0.0												
97	1.00	1.00	1.00	0.80	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0	0.0
	0.0	0.0												
98	1.00	1.00	1.00	0.80	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	0.0	0.0
	0.0	0.0												
99	1.00	1.00	1.00	0.80	0.0	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	0.0	0.0
	0.0	0.0												
100	1.00	1.00	1.00	0.80	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.0	0.0
	0.0	0.0												
101	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.60	0.0
	0.0	0.0												
102	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.60	0.0
	0.0	0.0												
103	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0
	0.0	0.0												
104	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0
	0.0	0.0												
105	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.60
	0.0	0.0												
106	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.60
	0.0	0.0												
107	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00
	0.0	0.0												
108	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00
	0.0	0.0												
109	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.60	0.0												
110	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.60	0.0												
111	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.0												
112	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.0												
113	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.60												
114	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.60												
115	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	1.00												
116	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	1.00												
117	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0												
118	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0												

2.8 AZIONE SISMICA

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.

Allo stato attuale, la pericolosità sismica su reticolo di riferimento nell'intervallo di riferimento è fornita dai dati pubblicati sul sito http://esse1.mi.ingv.it/. Per punti non coincidenti con il reticolo di riferimento e periodi di ritorno non contemplati direttamente si opera come indicato nell' allegato alle NTC (rispettivamente media pesata e interpolazione).

L' azione sismica viene definita in relazione ad un periodo di riferimento Vr 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 Vr e la probabilità di superamento Pver associata a ciascuno degli stati limite considerati, si ottiene il periodo di ritorno Tr 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 Vn [anni]	Coeff. Uso	Periodo Vr [anni]	Tipo di suolo	Categoria topografica
IV	100.0	2.0	200.0	C	T1

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 = Ss*St (3.2.5)

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.

Id nodo	Longitudine	Latitudine	Distanza
			Km
Loc.	8.872	44.410	
16917	8.872	44.395	1.662
16918	8.942	44.398	5.700
16696	8.938	44.448	6.710
16695	8.868	44.445	3.892

SL	Pver	Tr	ag	Fo	T*c
		Anni	g		sec
SLO	81.0	120.0	0.040	2.540	0.250
SLD	63.0	201.0	0.049	2.530	0.270
SLV	10.0	1898.0	0.105	2.540	0.310
SLC	5.0	2475.0	0.115	2.540	0.310

SL	ag	S	Fo	Fv	Tb	Tc	Td
	g				sec	sec	sec
SLO	0.040	1.500	2.540	0.689	0.138	0.415	1.762
SLD	0.049	1.500	2.530	0.758	0.146	0.437	1.797
SLV	0.105	1.500	2.540	1.111	0.160	0.479	2.020
SLC	0.115	1.500	2.540	1.161	0.160	0.479	2.059

2.9 RISULTATI ANALISI SISMICHE

LEGENDA TABELLA ANALISI SISMICHE

Il programma consente l'analisi di diverse configurazioni sismiche.

Sono previsti, infatti, i seguenti casi di carico:
9. Esk caso di carico sismico con analisi statica equivalente
10. Edk caso di carico sismico con analisi dinamica

Ciascun caso di carico è caratterizzato da un angolo di ingresso e da una configurazione di masse determinante la forza sismica complessiva (si rimanda al capitolo relativo ai casi di carico per chiarimenti inerenti questo aspetto).

Nella colonna Note, in funzione della norma in uso sono riportati i parametri fondamentali che caratterizzano l' azione sismica: in particolare possono essere presenti i seguenti valori:

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 di struttura q	Fattore 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

Per ciascun caso di carico sismico viene riportato l'insieme di dati sotto riportati (le masse sono espresse in unità di forza):

a) **analisi sismica statica equivalente**:
- quota, posizione del centro di applicazione e azione orizzontale risultante, posizione del baricentro delle rigidezze, rapporto r/Ls (per strutture a nucleo), indici di regolarità e/r secondo EC8 4.2.3.2
- azione sismica complessiva

b) **analisi sismica dinamica con spettro di risposta**:
- quota, posizione del centro di massa e massa risultante, posizione del baricentro delle rigidezze, rapporto r/Ls (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.

TABELLA ANALISI SISMICHE

CDC	Tipo	Sigla Id	Note
5	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.267 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 2.113 sec.
			fattore di struttura q: 1.500
			fattore per spost. mu d: 1.500
			classe di duttilità CD: B
			numero di modi considerati: 12
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
1300.00	8.573e+05	2500.00	1095.00	0.0	-109.50	2500.00	1095.00	1.318	0.0	0.0
Risulta	8.573e+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	0.473	2.113	0.058	7.367e+05	85.9	0.0	0.0	0.0	0.0	0.0	0.0
2	0.526	1.901	0.067	0.0	0.0	5.493e+05	64.1	0.0	0.0	0.0	0.0
3	0.529	1.891	0.068	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.532	1.879	0.068	0.0	0.0	3.093e+04	3.6	0.0	0.0	0.0	0.0
5	0.535	1.870	0.068	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.655	1.526	0.084	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.656	1.525	0.084	0.21	2.50e-05	0.0	0.0	0.0	0.0	0.0	0.0
8	0.656	1.524	0.084	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.708	1.412	0.090	240.11	2.80e-02	0.0	0.0	0.0	0.0	0.0	0.0
10	0.844	1.184	0.108	9.553e+04	11.1	0.0	0.0	0.0	0.0	0.0	0.0
11	0.880	1.137	0.112	0.0	0.0	17.65	2.06e-03	0.0	0.0	0.0	0.0
12	0.880	1.137	0.112	0.0	0.0	2.764e+05	32.2	0.0	0.0	0.0	0.0
Risulta				8.325e+05		8.567e+05		0.0			
In percentuale				97.10		99.93		0.0			

CDC	Tipo	Sigla Id	Note
6	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.267 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 2.113 sec.
			fattore di struttura q: 1.500
			fattore per spost. mu d: 1.500
			classe di duttilità CD: B
			numero di modi considerati: 12
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
1300.00	8.573e+05	2500.00	1095.00	0.0	109.50	2500.00	1095.00	1.318	0.0	0.0
Risulta	8.573e+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	0.473	2.113	0.058	7.367e+05	85.9	0.0	0.0	0.0	0.0	0.0	0.0
2	0.526	1.901	0.067	0.0	0.0	5.493e+05	64.1	0.0	0.0	0.0	0.0
3	0.529	1.891	0.068	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.532	1.879	0.068	0.0	0.0	3.093e+04	3.6	0.0	0.0	0.0	0.0
5	0.535	1.870	0.068	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.655	1.526	0.084	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.656	1.525	0.084	0.21	2.50e-05	0.0	0.0	0.0	0.0	0.0	0.0
8	0.656	1.524	0.084	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.708	1.412	0.090	240.11	2.80e-02	0.0	0.0	0.0	0.0	0.0	0.0
10	0.844	1.184	0.108	9.553e+04	11.1	0.0	0.0	0.0	0.0	0.0	0.0
11	0.880	1.137	0.112	0.0	0.0	1.023e+04	1.2	0.0	0.0	0.0	0.0
12	0.880	1.137	0.112	0.0	0.0	2.662e+05	31.0	0.0	0.0	0.0	0.0
Risulta				8.325e+05		8.567e+05		0.0			
In percentuale				97.10		99.93		0.0			

CDC	Tipo	Sigla Id	Note
7	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.267 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 2.006 sec.
			fattore di struttura q: 1.500
			fattore per spost. mu d: 1.500
			classe di duttilità CD: B
			numero di modi considerati: 12
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
1300.00	8.573e+05	2500.00	1095.00	250.00	0.0	2500.00	1095.00	1.318	0.0	0.0
Risulta	8.573e+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	0.475	2.104	0.058	7.353e+05	85.8	0.0	0.0	0.0	0.0	0.0	0.0
2	0.499	2.006	0.064	0.0	0.0	2.074e+05	24.2	0.0	0.0	0.0	0.0
3	0.519	1.926	0.066	0.0	0.0	1.419e+05	16.6	0.0	0.0	0.0	0.0
4	0.542	1.844	0.069	0.0	0.0	1.309e+05	15.3	0.0	0.0	0.0	0.0
5	0.569	1.758	0.073	0.0	0.0	1.000e+05	11.7	0.0	0.0	0.0	0.0
6	0.655	1.526	0.084	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.656	1.524	0.084	0.22	2.57e-05	0.0	0.0	0.0	0.0	0.0	0.0
8	0.656	1.524	0.084	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.707	1.414	0.090	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.798	1.254	0.102	0.0	0.0	1.681e+05	19.6	0.0	0.0	0.0	0.0
11	0.840	1.190	0.107	9.872e+04	11.5	0.0	0.0	0.0	0.0	0.0	0.0
12	0.909	1.100	0.116	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta				8.340e+05		7.484e+05		0.0			
In percentuale				97.28		87.29		0.0			

CDC	Tipo	Sigla Id	Note
8	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.267 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 2.006 sec.
			fattore di struttura q: 1.500
			fattore per spost. mu d: 1.500
			classe di duttilità CD: B

CDC	Tipo	Sigla Id	Note
			numero di modi considerati: 12
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
1300.00	8.573e+05	2500.00	1095.00	-250.00	0.0	2500.00	1095.00	1.318	0.0	0.0
Risulta	8.573e+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	0.475	2.104	0.058	7.353e+05	85.8	0.0	0.0	0.0	0.0	0.0	0.0
2	0.499	2.006	0.064	0.0	0.0	2.074e+05	24.2	0.0	0.0	0.0	0.0
3	0.519	1.926	0.066	0.0	0.0	1.419e+05	16.6	0.0	0.0	0.0	0.0
4	0.542	1.844	0.069	0.0	0.0	1.309e+05	15.3	0.0	0.0	0.0	0.0
5	0.569	1.758	0.073	0.0	0.0	1.000e+05	11.7	0.0	0.0	0.0	0.0
6	0.655	1.526	0.084	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.656	1.524	0.084	0.22	2.57e-05	0.0	0.0	0.0	0.0	0.0	0.0
8	0.656	1.524	0.084	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.707	1.414	0.090	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.798	1.254	0.102	0.0	0.0	1.681e+05	19.6	0.0	0.0	0.0	0.0
11	0.840	1.190	0.107	9.872e+04	11.5	0.0	0.0	0.0	0.0	0.0	0.0
12	0.909	1.100	0.116	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta				8.340e+05		7.484e+05		0.0			
In percentuale				97.28		87.29		0.0			

CDC	Tipo	Sigla Id	Note
9	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.187 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 2.113 sec.
			numero di modi considerati: 12
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
1300.00	8.573e+05	2500.00	1095.00	0.0	-109.50	2500.00	1095.00	1.318	0.0	0.0
Risulta	8.573e+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	0.473	2.113	0.033	7.367e+05	85.9	0.0	0.0	0.0	0.0	0.0	0.0
2	0.526	1.901	0.041	0.0	0.0	5.493e+05	64.1	0.0	0.0	0.0	0.0
3	0.529	1.891	0.041	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.532	1.879	0.042	0.0	0.0	3.093e+04	3.6	0.0	0.0	0.0	0.0
5	0.535	1.870	0.042	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.655	1.526	0.053	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.656	1.525	0.054	0.21	2.50e-05	0.0	0.0	0.0	0.0	0.0	0.0
8	0.656	1.524	0.054	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.708	1.412	0.058	240.11	2.80e-02	0.0	0.0	0.0	0.0	0.0	0.0
10	0.844	1.184	0.069	9.553e+04	11.1	0.0	0.0	0.0	0.0	0.0	0.0
11	0.880	1.137	0.072	0.0	0.0	17.65	2.06e-03	0.0	0.0	0.0	0.0
12	0.880	1.137	0.072	0.0	0.0	2.764e+05	32.2	0.0	0.0	0.0	0.0
Risulta				8.325e+05		8.567e+05		0.0			
In percentuale				97.10		99.93		0.0			

CDC	Tipo	Sigla Id	Note
10	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.187 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 2.113 sec.
			numero di modi considerati: 12
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
1300.00	8.573e+05	2500.00	1095.00	0.0	109.50	2500.00	1095.00	1.318	0.0	0.0
Risulta	8.573e+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	0.473	2.113	0.033	7.367e+05	85.9	0.0	0.0	0.0	0.0	0.0	0.0
2	0.526	1.901	0.041	0.0	0.0	5.493e+05	64.1	0.0	0.0	0.0	0.0
3	0.529	1.891	0.041	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.532	1.879	0.042	0.0	0.0	3.093e+04	3.6	0.0	0.0	0.0	0.0
5	0.535	1.870	0.042	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.655	1.526	0.053	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.656	1.525	0.054	0.21	2.50e-05	0.0	0.0	0.0	0.0	0.0	0.0
8	0.656	1.524	0.054	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.708	1.412	0.058	240.11	2.80e-02	0.0	0.0	0.0	0.0	0.0	0.0
10	0.844	1.184	0.069	9.553e+04	11.1	0.0	0.0	0.0	0.0	0.0	0.0
11	0.880	1.137	0.072	0.0	0.0	1.023e+04	1.2	0.0	0.0	0.0	0.0
12	0.880	1.137	0.072	0.0	0.0	2.662e+05	31.0	0.0	0.0	0.0	0.0
Risulta				8.325e+05		8.567e+05		0.0			
In percentuale				97.10		99.93		0.0			

CDC	Tipo	Sigla Id	Note
11	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.187 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 2.006 sec.
			numero di modi considerati: 12
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
1300.00	8.573e+05	2500.00	1095.00	250.00	0.0	2500.00	1095.00	1.318	0.0	0.0
Risulta	8.573e+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	0.475	2.104	0.033	7.353e+05	85.8	0.0	0.0	0.0	0.0	0.0	0.0
2	0.499	2.006	0.036	0.0	0.0	2.074e+05	24.2	0.0	0.0	0.0	0.0
3	0.519	1.926	0.040	0.0	0.0	1.419e+05	16.6	0.0	0.0	0.0	0.0
4	0.542	1.844	0.043	0.0	0.0	1.309e+05	15.3	0.0	0.0	0.0	0.0
5	0.569	1.758	0.046	0.0	0.0	1.000e+05	11.7	0.0	0.0	0.0	0.0
6	0.655	1.526	0.053	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.656	1.524	0.054	0.22	2.57e-05	0.0	0.0	0.0	0.0	0.0	0.0
8	0.656	1.524	0.054	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.707	1.414	0.058	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.798	1.254	0.065	0.0	0.0	1.681e+05	19.6	0.0	0.0	0.0	0.0
11	0.840	1.190	0.069	9.872e+04	11.5	0.0	0.0	0.0	0.0	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
12	0.909	1.100	0.074	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta				8.340e+05		7.484e+05		0.0			
In percentuale				97.28		87.29		0.0			

CDC	Tipo	Sigla Id	Note
12	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.187 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 2.006 sec.
			numero di modi considerati: 12
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
1300.00	8.573e+05	2500.00	1095.00	-250.00	0.0	2500.00	1095.00	1.318	0.0	0.0
Risulta	8.573e+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	0.475	2.104	0.033	7.353e+05	85.8	0.0	0.0	0.0	0.0	0.0	0.0
2	0.499	2.006	0.036	0.0	0.0	2.074e+05	24.2	0.0	0.0	0.0	0.0
3	0.519	1.926	0.040	0.0	0.0	1.419e+05	16.6	0.0	0.0	0.0	0.0
4	0.542	1.844	0.043	0.0	0.0	1.309e+05	15.3	0.0	0.0	0.0	0.0
5	0.569	1.758	0.046	0.0	0.0	1.000e+05	11.7	0.0	0.0	0.0	0.0
6	0.655	1.526	0.053	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.656	1.524	0.054	0.22	2.57e-05	0.0	0.0	0.0	0.0	0.0	0.0
8	0.656	1.524	0.054	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.707	1.414	0.058	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.798	1.254	0.065	0.0	0.0	1.681e+05	19.6	0.0	0.0	0.0	0.0
11	0.840	1.190	0.069	9.872e+04	11.5	0.0	0.0	0.0	0.0	0.0	0.0
12	0.909	1.100	0.074	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta				8.340e+05		7.484e+05		0.0			
In percentuale				97.28		87.29		0.0			

Per ciascuna combinazione sismica definita SLD viene riportato il livello di deformazione etaT (dr) degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso anche in unità 1000*etaT/h da confrontare direttamente con i valori forniti nella norma (es. 5 per edifici con tamponamenti collegati rigidamente alla struttura).

Cmb	Pilas.	1000 etaT/h	etaT	inter. h	Pilas.	1000 etaT/h	etaT	inter. h	Pilas.	1000 etaT/h	etaT	inter. h
			cm	cm			cm	cm			cm	cm
69	1	2.09	2.72	1300.0	2	2.20	2.87	1300.0	3	2.22	2.88	1300.0
	4	2.22	2.88	1300.0	5	2.22	2.89	1300.0	6	2.17	2.82	1300.0
	7	2.00	2.60	1300.0	8	2.09	2.72	1300.0	9	1.60	2.08	1300.0
	10	1.83	2.38	1300.0	11	1.85	2.40	1300.0	12	1.85	2.40	1300.0
	13	1.85	2.41	1300.0	14	1.70	2.21	1300.0				
70	1	2.09	2.72	1300.0	2	2.27	2.96	1300.0	3	2.29	2.97	1300.0
	4	2.29	2.97	1300.0	5	2.29	2.98	1300.0	6	2.17	2.82	1300.0
	7	2.00	2.60	1300.0	8	2.09	2.72	1300.0	9	1.60	2.08	1300.0
	10	1.74	2.27	1300.0	11	1.76	2.28	1300.0	12	1.76	2.28	1300.0
	13	1.76	2.29	1300.0	14	1.70	2.21	1300.0				
71	1	2.09	2.72	1300.0	2	2.20	2.87	1300.0	3	2.22	2.88	1300.0
	4	2.22	2.88	1300.0	5	2.22	2.89	1300.0	6	2.17	2.82	1300.0
	7	2.00	2.60	1300.0	8	2.09	2.72	1300.0	9	1.60	2.08	1300.0
	10	1.83	2.38	1300.0	11	1.85	2.40	1300.0	12	1.85	2.40	1300.0
	13	1.85	2.41	1300.0	14	1.70	2.21	1300.0				
72	1	2.09	2.72	1300.0	2	2.27	2.96	1300.0	3	2.29	2.97	1300.0
	4	2.29	2.97	1300.0	5	2.29	2.98	1300.0	6	2.17	2.82	1300.0
	7	2.00	2.60	1300.0	8	2.09	2.72	1300.0	9	1.60	2.08	1300.0
	10	1.74	2.27	1300.0	11	1.76	2.28	1300.0	12	1.76	2.28	1300.0
	13	1.76	2.29	1300.0	14	1.70	2.21	1300.0				
73	1	2.17	2.82	1300.0	2	2.22	2.89	1300.0	3	2.22	2.88	1300.0
	4	2.22	2.88	1300.0	5	2.20	2.87	1300.0	6	2.09	2.72	1300.0
	7	2.09	2.72	1300.0	8	2.00	2.60	1300.0	9	1.70	2.21	1300.0
	10	1.85	2.41	1300.0	11	1.85	2.40	1300.0	12	1.85	2.40	1300.0
	13	1.83	2.38	1300.0	14	1.60	2.08	1300.0				
74	1	2.17	2.82	1300.0	2	2.29	2.98	1300.0	3	2.29	2.97	1300.0
	4	2.29	2.97	1300.0	5	2.27	2.96	1300.0	6	2.09	2.72	1300.0
	7	2.09	2.72	1300.0	8	2.00	2.60	1300.0	9	1.70	2.21	1300.0
	10	1.76	2.29	1300.0	11	1.76	2.28	1300.0	12	1.76	2.28	1300.0
	13	1.74	2.27	1300.0	14	1.60	2.08	1300.0				
75	1	2.17	2.82	1300.0	2	2.22	2.89	1300.0	3	2.22	2.88	1300.0
	4	2.22	2.88	1300.0	5	2.20	2.87	1300.0	6	2.09	2.72	1300.0
	7	2.09	2.72	1300.0	8	2.00	2.60	1300.0	9	1.70	2.21	1300.0
	10	1.85	2.41	1300.0	11	1.85	2.40	1300.0	12	1.85	2.40	1300.0
	13	1.83	2.38	1300.0	14	1.60	2.08	1300.0				
76	1	2.17	2.82	1300.0	2	2.29	2.98	1300.0	3	2.29	2.97	1300.0
	4	2.29	2.97	1300.0	5	2.27	2.96	1300.0	6	2.09	2.72	1300.0
	7	2.09	2.72	1300.0	8	2.00	2.60	1300.0	9	1.70	2.21	1300.0
	10	1.76	2.29	1300.0	11	1.76	2.28	1300.0	12	1.76	2.28	1300.0
	13	1.74	2.27	1300.0	14	1.60	2.08	1300.0				
77	1	1.60	2.08	1300.0	2	1.74	2.27	1300.0	3	1.76	2.28	1300.0
	4	1.76	2.28	1300.0	5	1.76	2.29	1300.0	6	1.70	2.21	1300.0
	7	2.00	2.60	1300.0	8	2.09	2.72	1300.0	9	2.09	2.72	1300.0
	10	2.27	2.96	1300.0	11	2.29	2.97	1300.0	12	2.29	2.97	1300.0
	13	2.29	2.98	1300.0	14	2.17	2.82	1300.0				
78	1	1.60	2.08	1300.0	2	1.83	2.38	1300.0	3	1.85	2.40	1300.0
	4	1.85	2.40	1300.0	5	1.85	2.41	1300.0	6	1.70	2.21	1300.0
	7	2.00	2.60	1300.0	8	2.09	2.72	1300.0	9	2.09	2.72	1300.0
	10	2.20	2.87	1300.0	11	2.22	2.88	1300.0	12	2.22	2.88	1300.0
	13	2.22	2.89	1300.0	14	2.17	2.82	1300.0				
79	1	1.60	2.08	1300.0	2	1.74	2.27	1300.0	3	1.76	2.28	1300.0
	4	1.76	2.28	1300.0	5	1.76	2.29	1300.0	6	1.70	2.21	1300.0
	7	2.00	2.60	1300.0	8	2.09	2.72	1300.0	9	2.09	2.72	1300.0
	10	2.27	2.96	1300.0	11	2.29	2.97	1300.0	12	2.29	2.97	1300.0
	13	2.29	2.98	1300.0	14	2.17	2.82	1300.0				
80	1	1.60	2.08	1300.0	2	1.83	2.38	1300.0	3	1.85	2.40	1300.0
	4	1.85	2.40	1300.0	5	1.85	2.41	1300.0	6	1.70	2.21	1300.0
	7	2.00	2.60	1300.0	8	2.09	2.72	1300.0	9	2.09	2.72	1300.0
	10	2.20	2.87	1300.0	11	2.22	2.88	1300.0	12	2.22	2.88	1300.0
	13	2.22	2.89	1300.0	14	2.17	2.82	1300.0				

Cmb	Pilas.	1000 etaT/h	etaT	inter. h	Pilas.	1000 etaT/h	etaT	inter. h	Pilas.	1000 etaT/h	etaT	inter. h
			cm	cm			cm	cm			cm	cm
81	1	1.70	2.21	1300.0	2	1.76	2.29	1300.0	3	1.76	2.28	1300.0
	4	1.76	2.28	1300.0	5	1.74	2.27	1300.0	6	1.60	2.08	1300.0
	7	2.09	2.72	1300.0	8	2.00	2.60	1300.0	9	2.17	2.82	1300.0
	10	2.29	2.98	1300.0	11	2.29	2.97	1300.0	12	2.29	2.97	1300.0
	13	2.27	2.96	1300.0	14	2.09	2.72	1300.0				
82	1	1.70	2.21	1300.0	2	1.85	2.41	1300.0	3	1.85	2.40	1300.0
	4	1.85	2.40	1300.0	5	1.83	2.38	1300.0	6	1.60	2.08	1300.0
	7	2.09	2.72	1300.0	8	2.00	2.60	1300.0	9	2.17	2.82	1300.0
	10	2.22	2.89	1300.0	11	2.22	2.88	1300.0	12	2.22	2.88	1300.0
	13	2.20	2.87	1300.0	14	2.09	2.72	1300.0				
83	1	1.70	2.21	1300.0	2	1.76	2.29	1300.0	3	1.76	2.28	1300.0
	4	1.76	2.28	1300.0	5	1.74	2.27	1300.0	6	1.60	2.08	1300.0
	7	2.09	2.72	1300.0	8	2.00	2.60	1300.0	9	2.17	2.82	1300.0
	10	2.29	2.98	1300.0	11	2.29	2.97	1300.0	12	2.29	2.97	1300.0
	13	2.27	2.96	1300.0	14	2.09	2.72	1300.0				
84	1	1.70	2.21	1300.0	2	1.85	2.41	1300.0	3	1.85	2.40	1300.0
	4	1.85	2.40	1300.0	5	1.83	2.38	1300.0	6	1.60	2.08	1300.0
	7	2.09	2.72	1300.0	8	2.00	2.60	1300.0	9	2.17	2.82	1300.0
	10	2.22	2.89	1300.0	11	2.22	2.88	1300.0	12	2.22	2.88	1300.0
	13	2.20	2.87	1300.0	14	2.09	2.72	1300.0				
85	1	0.63	0.82	1300.0	2	2.60	3.38	1300.0	3	2.70	3.50	1300.0
	4	2.69	3.50	1300.0	5	2.75	3.58	1300.0	6	1.99	2.59	1300.0
	7	0.60	0.78	1300.0	8	2.07	2.69	1300.0	9	0.48	0.62	1300.0
	10	2.76	3.59	1300.0	11	2.86	3.72	1300.0	12	2.86	3.72	1300.0
	13	2.92	3.79	1300.0	14	1.95	2.53	1300.0				
86	1	0.63	0.82	1300.0	2	2.79	3.63	1300.0	3	2.89	3.76	1300.0
	4	2.89	3.76	1300.0	5	2.95	3.83	1300.0	6	1.99	2.59	1300.0
	7	0.60	0.78	1300.0	8	2.07	2.69	1300.0	9	0.48	0.62	1300.0
	10	2.56	3.33	1300.0	11	2.66	3.46	1300.0	12	2.66	3.46	1300.0
	13	2.72	3.54	1300.0	14	1.95	2.54	1300.0				
87	1	0.63	0.82	1300.0	2	2.60	3.38	1300.0	3	2.70	3.50	1300.0
	4	2.69	3.50	1300.0	5	2.75	3.58	1300.0	6	1.99	2.59	1300.0
	7	0.60	0.78	1300.0	8	2.07	2.69	1300.0	9	0.48	0.62	1300.0
	10	2.76	3.59	1300.0	11	2.86	3.72	1300.0	12	2.86	3.72	1300.0
	13	2.92	3.79	1300.0	14	1.95	2.53	1300.0				
88	1	0.63	0.82	1300.0	2	2.79	3.63	1300.0	3	2.89	3.76	1300.0
	4	2.89	3.76	1300.0	5	2.95	3.83	1300.0	6	1.99	2.59	1300.0
	7	0.60	0.78	1300.0	8	2.07	2.69	1300.0	9	0.48	0.62	1300.0
	10	2.56	3.33	1300.0	11	2.66	3.46	1300.0	12	2.66	3.46	1300.0
	13	2.72	3.54	1300.0	14	1.95	2.54	1300.0				
89	1	0.48	0.62	1300.0	2	2.56	3.33	1300.0	3	2.66	3.46	1300.0
	4	2.66	3.46	1300.0	5	2.72	3.54	1300.0	6	1.95	2.54	1300.0
	7	0.60	0.78	1300.0	8	2.07	2.69	1300.0	9	0.63	0.82	1300.0
	10	2.79	3.63	1300.0	11	2.89	3.76	1300.0	12	2.89	3.76	1300.0
	13	2.95	3.83	1300.0	14	1.99	2.59	1300.0				
90	1	0.48	0.62	1300.0	2	2.76	3.59	1300.0	3	2.86	3.72	1300.0
	4	2.86	3.72	1300.0	5	2.92	3.79	1300.0	6	1.95	2.53	1300.0
	7	0.60	0.78	1300.0	8	2.07	2.69	1300.0	9	0.63	0.82	1300.0
	10	2.60	3.38	1300.0	11	2.70	3.50	1300.0	12	2.69	3.50	1300.0
	13	2.75	3.58	1300.0	14	1.99	2.59	1300.0				
91	1	0.48	0.62	1300.0	2	2.56	3.33	1300.0	3	2.66	3.46	1300.0
	4	2.66	3.46	1300.0	5	2.72	3.54	1300.0	6	1.95	2.54	1300.0
	7	0.60	0.78	1300.0	8	2.07	2.69	1300.0	9	0.63	0.82	1300.0
	10	2.79	3.63	1300.0	11	2.89	3.76	1300.0	12	2.89	3.76	1300.0
	13	2.95	3.83	1300.0	14	1.99	2.59	1300.0				
92	1	0.48	0.62	1300.0	2	2.76	3.59	1300.0	3	2.86	3.72	1300.0
	4	2.86	3.72	1300.0	5	2.92	3.79	1300.0	6	1.95	2.53	1300.0
	7	0.60	0.78	1300.0	8	2.07	2.69	1300.0	9	0.63	0.82	1300.0
	10	2.60	3.38	1300.0	11	2.70	3.50	1300.0	12	2.69	3.50	1300.0
	13	2.75	3.58	1300.0	14	1.99	2.59	1300.0				
93	1	1.99	2.59	1300.0	2	2.75	3.58	1300.0	3	2.69	3.50	1300.0
	4	2.70	3.50	1300.0	5	2.60	3.38	1300.0	6	0.63	0.82	1300.0
	7	2.07	2.69	1300.0	8	0.60	0.78	1300.0	9	1.95	2.53	1300.0
	10	2.92	3.79	1300.0	11	2.86	3.72	1300.0	12	2.86	3.72	1300.0
	13	2.76	3.59	1300.0	14	0.48	0.62	1300.0				
94	1	1.99	2.59	1300.0	2	2.95	3.83	1300.0	3	2.89	3.76	1300.0
	4	2.89	3.76	1300.0	5	2.79	3.63	1300.0	6	0.63	0.82	1300.0
	7	2.07	2.69	1300.0	8	0.60	0.78	1300.0	9	1.95	2.54	1300.0
	10	2.72	3.54	1300.0	11	2.66	3.46	1300.0	12	2.66	3.46	1300.0
	13	2.56	3.33	1300.0	14	0.48	0.62	1300.0				

Cmb	Pilas.	1000 etaT/h	etaT	inter. h	Pilas.	1000 etaT/h	etaT	inter. h	Pilas.	1000 etaT/h	etaT	inter. h
			cm	cm			cm	cm			cm	cm
95	1	1.99	2.59	1300.0	2	2.75	3.58	1300.0	3	2.69	3.50	1300.0
	4	2.70	3.50	1300.0	5	2.60	3.38	1300.0	6	0.63	0.82	1300.0
	7	2.07	2.69	1300.0	8	0.60	0.78	1300.0	9	1.95	2.53	1300.0
	10	2.92	3.79	1300.0	11	2.86	3.72	1300.0	12	2.86	3.72	1300.0
	13	2.76	3.59	1300.0	14	0.48	0.62	1300.0				
96	1	1.99	2.59	1300.0	2	2.95	3.83	1300.0	3	2.89	3.76	1300.0
	4	2.89	3.76	1300.0	5	2.79	3.63	1300.0	6	0.63	0.82	1300.0
	7	2.07	2.69	1300.0	8	0.60	0.78	1300.0	9	1.95	2.54	1300.0
	10	2.72	3.54	1300.0	11	2.66	3.46	1300.0	12	2.66	3.46	1300.0
	13	2.56	3.33	1300.0	14	0.48	0.62	1300.0				
97	1	1.95	2.54	1300.0	2	2.72	3.54	1300.0	3	2.66	3.46	1300.0
	4	2.66	3.46	1300.0	5	2.56	3.33	1300.0	6	0.48	0.62	1300.0
	7	2.07	2.69	1300.0	8	0.60	0.78	1300.0	9	1.99	2.59	1300.0
	10	2.95	3.83	1300.0	11	2.89	3.76	1300.0	12	2.89	3.76	1300.0
	13	2.79	3.63	1300.0	14	0.63	0.82	1300.0				
98	1	1.95	2.53	1300.0	2	2.92	3.79	1300.0	3	2.86	3.72	1300.0
	4	2.86	3.72	1300.0	5	2.76	3.59	1300.0	6	0.48	0.62	1300.0
	7	2.07	2.69	1300.0	8	0.60	0.78	1300.0	9	1.99	2.59	1300.0
	10	2.75	3.58	1300.0	11	2.69	3.50	1300.0	12	2.70	3.50	1300.0
	13	2.60	3.38	1300.0	14	0.63	0.82	1300.0				
99	1	1.95	2.54	1300.0	2	2.72	3.54	1300.0	3	2.66	3.46	1300.0
	4	2.66	3.46	1300.0	5	2.56	3.33	1300.0	6	0.48	0.62	1300.0
	7	2.07	2.69	1300.0	8	0.60	0.78	1300.0	9	1.99	2.59	1300.0
	10	2.95	3.83	1300.0	11	2.89	3.76	1300.0	12	2.89	3.76	1300.0
	13	2.79	3.63	1300.0	14	0.63	0.82	1300.0				
100	1	1.95	2.53	1300.0	2	2.92	3.79	1300.0	3	2.86	3.72	1300.0
	4	2.86	3.72	1300.0	5	2.76	3.59	1300.0	6	0.48	0.62	1300.0
	7	2.07	2.69	1300.0	8	0.60	0.78	1300.0	9	1.99	2.59	1300.0
	10	2.75	3.58	1300.0	11	2.69	3.50	1300.0	12	2.70	3.50	1300.0
	13	2.60	3.38	1300.0	14	0.63	0.82	1300.0				

Cmb	1000 etaT/h
	2.95

2.10 STRUTTURA FABBRICATO

Le fondazioni sono realizzate con plinti gettati in opera su pali.

La struttura portante è prefabbricata in C.A.P.

2.10.1 MODELLAZIONE STRUTTURA: NODI

LEGENDA TABELLA DATI NODI

Il programma utilizza per la modellazione nodi strutturali.
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 sotto riportate 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

Per i nodi ai quali sia associato un codice di vincolamento rigido, un codice di fondazione speciale o un set di molle viene indicato in tabella:

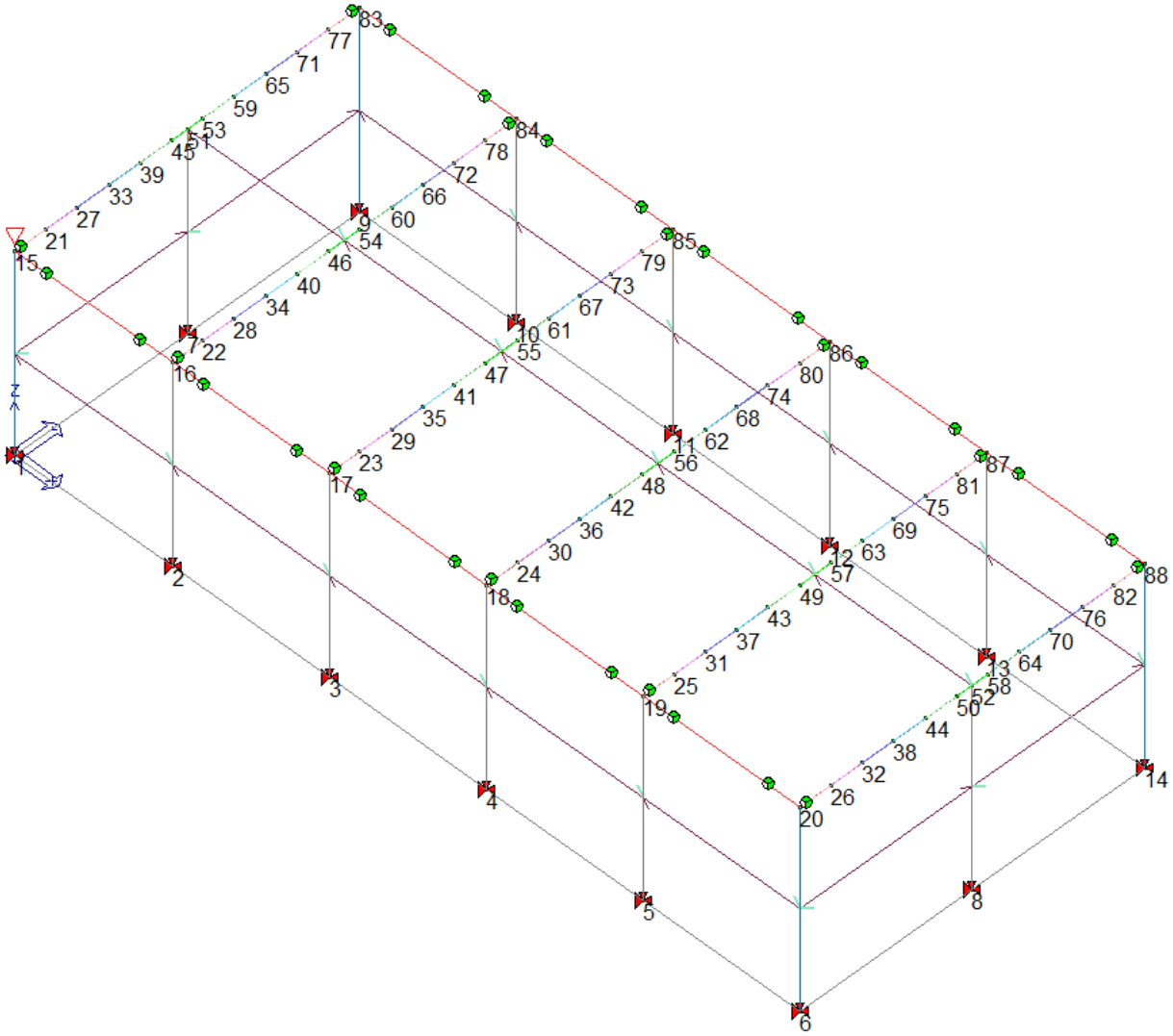
Nodo	numero del nodo.
X	valore della coordinata X
Y	valore della coordinata Y
Z	valore della coordinata Z
Note	eventuale codice di vincolo (es. v=110010 sei valori relativi ai sei gradi di libertà previsti per il nodo TxTyTzRxRyRz, il valore 1 indica che lo spostamento o rotazione relativo è impedito, 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).

TABELLA DATI NODI

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
15	0.0	0.0	1300.0	16	1000.0	0.0	1300.0	17	2000.0	0.0	1300.0
18	3000.0	0.0	1300.0	19	4000.0	0.0	1300.0	20	5000.0	0.0	1300.0
21	0.0	195.0	1300.0	22	1000.0	195.0	1300.0	23	2000.0	195.0	1300.0
24	3000.0	195.0	1300.0	25	4000.0	195.0	1300.0	26	5000.0	195.0	1300.0
27	0.0	395.0	1300.0	28	1000.0	395.0	1300.0	29	2000.0	395.0	1300.0
30	3000.0	395.0	1300.0	31	4000.0	395.0	1300.0	32	5000.0	395.0	1300.0
33	0.0	595.0	1300.0	34	1000.0	595.0	1300.0	35	2000.0	595.0	1300.0
36	3000.0	595.0	1300.0	37	4000.0	595.0	1300.0	38	5000.0	595.0	1300.0
39	0.0	795.0	1300.0	40	1000.0	795.0	1300.0	41	2000.0	795.0	1300.0
42	3000.0	795.0	1300.0	43	4000.0	795.0	1300.0	44	5000.0	795.0	1300.0
45	0.0	995.0	1300.0	46	1000.0	995.0	1300.0	47	2000.0	995.0	1300.0
48	3000.0	995.0	1300.0	49	4000.0	995.0	1300.0	50	5000.0	995.0	1300.0
51	0.0	1095.0	1300.0	52	5000.0	1095.0	1300.0	53	0.0	1195.0	1300.0
54	1000.0	1195.0	1300.0	55	2000.0	1195.0	1300.0	56	3000.0	1195.0	1300.0
57	4000.0	1195.0	1300.0	58	5000.0	1195.0	1300.0	59	0.0	1395.0	1300.0
60	1000.0	1395.0	1300.0	61	2000.0	1395.0	1300.0	62	3000.0	1395.0	1300.0
63	4000.0	1395.0	1300.0	64	5000.0	1395.0	1300.0	65	0.0	1595.0	1300.0
66	1000.0	1595.0	1300.0	67	2000.0	1595.0	1300.0	68	3000.0	1595.0	1300.0
69	4000.0	1595.0	1300.0	70	5000.0	1595.0	1300.0	71	0.0	1795.0	1300.0
72	1000.0	1795.0	1300.0	73	2000.0	1795.0	1300.0	74	3000.0	1795.0	1300.0
75	4000.0	1795.0	1300.0	76	5000.0	1795.0	1300.0	77	0.0	1995.0	1300.0
78	1000.0	1995.0	1300.0	79	2000.0	1995.0	1300.0	80	3000.0	1995.0	1300.0
81	4000.0	1995.0	1300.0	82	5000.0	1995.0	1300.0	83	0.0	2190.0	1300.0
84	1000.0	2190.0	1300.0	85	2000.0	2190.0	1300.0	86	3000.0	2190.0	1300.0
87	4000.0	2190.0	1300.0	88	5000.0	2190.0	1300.0				

Nodo	X	Y	Z	Note
	cm	cm	cm	
1	0.0	0.0	0.0	v=111111
2	1000.0	0.0	0.0	v=111111
3	2000.0	0.0	0.0	v=111111
4	3000.0	0.0	0.0	v=111111
5	4000.0	0.0	0.0	v=111111
6	5000.0	0.0	0.0	v=111111
7	0.0	1095.0	0.0	v=111111
8	5000.0	1095.0	0.0	v=111111
9	0.0	2190.0	0.0	v=111111
10	1000.0	2190.0	0.0	v=111111
11	2000.0	2190.0	0.0	v=111111
12	3000.0	2190.0	0.0	v=111111
13	4000.0	2190.0	0.0	v=111111
14	5000.0	2190.0	0.0	v=111111

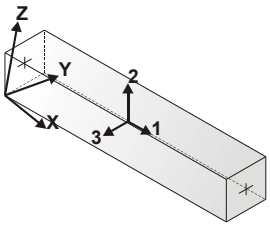
Numerazione nodi



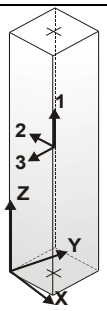
2.10.2 MODELLAZIONE STRUTTURA: ELEMENTI TRAVE

LEGENDA TABELLA DATI TRAVI

Il programma utilizza per la modellazione elementi a due nodi denominati in generale travi.
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.



orientamento elementi 2D non verticali



orientamento elementi 2D verticali

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

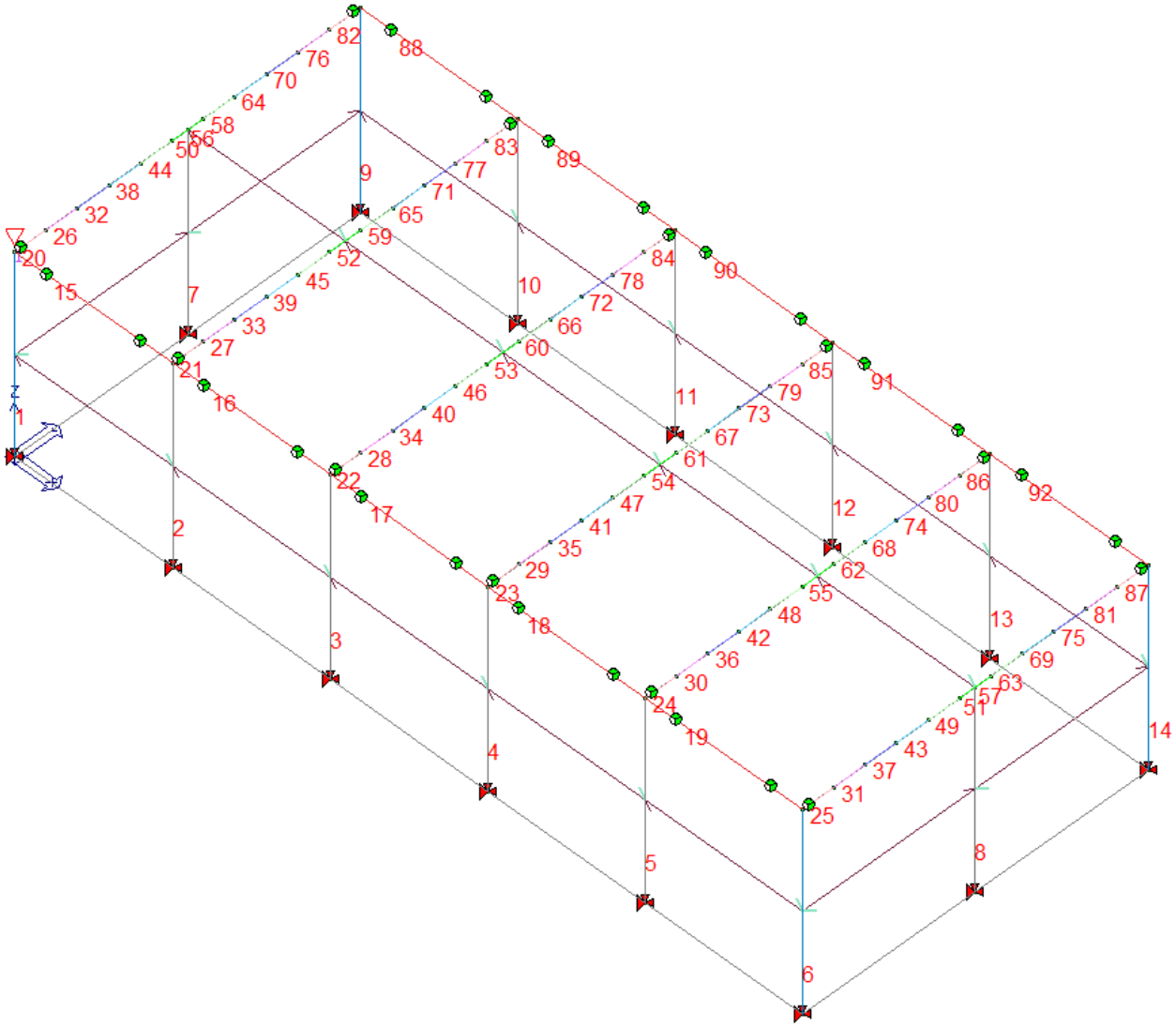
TABELLA DATI TRAVI

Elem.	Note	Nodo I	Nodo J	Mat.	Sez.	Rotaz. gradi	Svincolo I	Svincolo J
1	Pilas.	1	15	7	2			
2	Pilas.	2	16	7	1			
3	Pilas.	3	17	7	1			
4	Pilas.	4	18	7	1			
5	Pilas.	5	19	7	1			

Elem.	Note	Nodo I	Nodo J	Mat.	Sez.	Rotaz. gradi	Svincolo I	Svincolo J
6	Pilas.	6	20	7	2			
7	Pilas.	7	51	7	1	90.00		
8	Pilas.	8	52	7	1	90.00		
9	Pilas.	9	83	7	2			
10	Pilas.	10	84	7	1			
11	Pilas.	11	85	7	1			
12	Pilas.	12	86	7	1			
13	Pilas.	13	87	7	1			
14	Pilas.	14	88	7	2			
15	Trave	15	16	7	9		000011	000011
16	Trave	16	17	7	9		000011	000011
17	Trave	17	18	7	9		000011	000011
18	Trave	18	19	7	9		000011	000011
19	Trave	19	20	7	9		000011	000011
20	Trave	15	21	7	8		000011	
21	Trave	16	22	7	8		000011	
22	Trave	17	23	7	8		000011	
23	Trave	18	24	7	8		000011	
24	Trave	19	25	7	8		000011	
25	Trave	20	26	7	8		000011	
26	Trave	21	27	7	7			
27	Trave	22	28	7	7			
28	Trave	23	29	7	7			
29	Trave	24	30	7	7			
30	Trave	25	31	7	7			
31	Trave	26	32	7	7			
32	Trave	27	33	7	6			
33	Trave	28	34	7	6			
34	Trave	29	35	7	6			
35	Trave	30	36	7	6			
36	Trave	31	37	7	6			
37	Trave	32	38	7	6			
38	Trave	33	39	7	5			
39	Trave	34	40	7	5			
40	Trave	35	41	7	5			
41	Trave	36	42	7	5			
42	Trave	37	43	7	5			
43	Trave	38	44	7	5			
44	Trave	39	45	7	4			
45	Trave	40	46	7	4			
46	Trave	41	47	7	4			
47	Trave	42	48	7	4			
48	Trave	43	49	7	4			
49	Trave	44	50	7	4			
50	Trave	45	51	7	3			
51	Trave	50	52	7	3			
52	Trave	46	54	7	3			
53	Trave	47	55	7	3			
54	Trave	48	56	7	3			
55	Trave	49	57	7	3			
56	Trave	51	53	7	3			
57	Trave	52	58	7	3			
58	Trave	53	59	7	4			
59	Trave	54	60	7	4			
60	Trave	55	61	7	4			
61	Trave	56	62	7	4			
62	Trave	57	63	7	4			
63	Trave	58	64	7	4			
64	Trave	59	65	7	5			
65	Trave	60	66	7	5			
66	Trave	61	67	7	5			
67	Trave	62	68	7	5			
68	Trave	63	69	7	5			
69	Trave	64	70	7	5			
70	Trave	65	71	7	6			
71	Trave	66	72	7	6			
72	Trave	67	73	7	6			
73	Trave	68	74	7	6			
74	Trave	69	75	7	6			
75	Trave	70	76	7	6			
76	Trave	71	77	7	7			
77	Trave	72	78	7	7			

Elem.	Note	Nodo I	Nodo J	Mat.	Sez.	Rotaz. gradi	Svincolo I	Svincolo J
78	Trave	73	79	7	7			
79	Trave	74	80	7	7			
80	Trave	75	81	7	7			
81	Trave	76	82	7	7			
82	Trave	77	83	7	8			000011
83	Trave	78	84	7	8			000011
84	Trave	79	85	7	8			000011
85	Trave	80	86	7	8			000011
86	Trave	81	87	7	8			000011
87	Trave	82	88	7	8			000011
88	Trave	83	84	7	9		000011	000011
89	Trave	84	85	7	9		000011	000011
90	Trave	85	86	7	9		000011	000011
91	Trave	86	87	7	9		000011	000011
92	Trave	87	88	7	9		000011	000011

Numerazione elementi trave



2.10.3 RISULTATI NODALI

LEGENDA RISULTATI NODALI

Il controllo dei risultati delle analisi condotte, per quanto concerne i nodi strutturali, è possibile in relazione alle tabelle sotto riportate.

La prima tabella riporta per ogni nodo a cui sia associato un vincolo rigido e per ogni combinazione i valori delle azioni esercitate dalla struttura sui vincoli (reazioni vincolari cambiate di segno).

La seconda tabella riassume per ogni nodo le sei combinazioni in cui si attingono i valori minimi e massimi della reazione Fz, della reazione Mx e della reazione My.

RISULTATI AZIONI NODALI

Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
		daN	daN	daN	daN cm	daN cm	daN cm
1	1	5040.36	1.18	-9.147e+04	-808.04	2.463e+06	0.0
1	2	5040.36	2.38	-9.705e+04	-1659.28	2.463e+06	0.0
1	3	5040.36	1.05	-2.319e+04	-813.31	2.463e+06	0.0
1	4	5040.36	2.25	-2.878e+04	-1664.55	2.463e+06	0.0
1	5	8400.60	1.18	-9.147e+04	-808.04	4.104e+06	0.0
1	6	8400.60	2.38	-9.705e+04	-1659.28	4.104e+06	0.0
1	7	8400.60	1.05	-2.319e+04	-813.31	4.104e+06	0.0
1	8	8400.60	2.25	-2.878e+04	-1664.55	4.104e+06	0.0
1	9	-3064.83	1.18	-9.147e+04	-808.04	-1.941e+06	0.0
1	10	-3064.83	2.38	-9.705e+04	-1659.28	-1.941e+06	0.0
1	11	-3064.83	1.05	-2.319e+04	-813.31	-1.941e+06	0.0
1	12	-3064.83	2.25	-2.878e+04	-1664.55	-1.941e+06	0.0
1	13	-5108.05	1.18	-9.147e+04	-808.04	-3.235e+06	0.0
1	14	-5108.05	2.38	-9.705e+04	-1659.28	-3.235e+06	0.0
1	15	-5108.05	1.05	-2.319e+04	-813.31	-3.235e+06	0.0
1	16	-5108.05	2.25	-2.878e+04	-1664.55	-3.235e+06	0.0
1	17	0.0	4443.07	-9.093e+04	-1.926e+06	0.0	0.0
1	18	0.0	4444.27	-9.652e+04	-1.926e+06	0.0	0.0
1	19	0.0	4442.94	-2.265e+04	-1.926e+06	0.0	0.0
1	20	0.0	4444.14	-2.824e+04	-1.926e+06	0.0	0.0
1	21	0.0	7404.33	-9.057e+04	-3.209e+06	0.0	0.0
1	22	0.0	7405.53	-9.616e+04	-3.210e+06	0.0	0.0
1	23	0.0	7404.20	-2.229e+04	-3.209e+06	0.0	0.0
1	24	0.0	7405.41	-2.788e+04	-3.210e+06	0.0	0.0
1	25	0.0	-2545.56	-9.205e+04	1.413e+06	0.0	0.0
1	26	0.0	-2544.35	-9.764e+04	1.412e+06	0.0	0.0
1	27	0.0	-2545.69	-2.377e+04	1.413e+06	0.0	0.0
1	28	0.0	-2544.48	-2.936e+04	1.412e+06	0.0	0.0
1	29	0.0	-4243.38	-9.244e+04	2.356e+06	0.0	0.0
1	30	0.0	-4242.18	-9.802e+04	2.355e+06	0.0	0.0
1	31	0.0	-4243.51	-2.416e+04	2.356e+06	0.0	0.0
1	32	0.0	-4242.31	-2.975e+04	2.355e+06	0.0	0.0
1	33	0.0	1.18	-9.147e+04	-808.04	0.0	0.0
1	34	0.0	2.38	-9.705e+04	-1659.28	0.0	0.0
1	35	0.0	1.05	-2.319e+04	-813.31	0.0	0.0
1	36	0.0	2.25	-2.878e+04	-1664.55	0.0	0.0
1	37	4749.87	6.37	-6.704e+04	-6808.99	6.169e+06	0.0
1	38	4749.86	-3.23	-6.706e+04	4605.08	6.169e+06	0.0
1	39	-4749.86	6.37	-6.704e+04	-6807.34	-6.169e+06	0.0
1	40	-4749.87	-3.23	-6.706e+04	4606.73	-6.169e+06	0.0
1	41	4749.87	1156.21	-6.621e+04	-1.494e+06	6.169e+06	0.0
1	42	4749.86	-1153.08	-6.789e+04	1.492e+06	6.169e+06	0.0
1	43	-4749.86	1156.22	-6.621e+04	-1.494e+06	-6.169e+06	0.0
1	44	-4749.87	-1153.08	-6.789e+04	1.492e+06	-6.169e+06	0.0
1	45	3522.98	6.36	-6.704e+04	-6810.03	4.648e+06	0.0
1	46	3522.98	-3.24	-6.706e+04	4604.04	4.648e+06	0.0
1	47	-3522.98	6.37	-6.704e+04	-6806.30	-4.648e+06	0.0
1	48	-3522.98	-3.23	-6.706e+04	4607.77	-4.648e+06	0.0
1	49	3522.98	1156.21	-6.621e+04	-1.494e+06	4.648e+06	0.0
1	50	3522.98	-1153.08	-6.789e+04	1.492e+06	4.648e+06	0.0
1	51	-3522.98	1156.22	-6.621e+04	-1.494e+06	-4.648e+06	0.0
1	52	-3522.98	-1153.07	-6.789e+04	1.492e+06	-4.648e+06	0.0

Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
		daN	daN	daN	daN cm	daN cm	daN cm
1	53	1424.96	17.57	-6.703e+04	-2.012e+04	1.851e+06	0.0
1	54	1424.95	-14.43	-6.707e+04	1.792e+04	1.851e+06	0.0
1	55	-1424.95	17.57	-6.703e+04	-2.012e+04	-1.851e+06	0.0
1	56	-1424.96	-14.43	-6.707e+04	1.792e+04	-1.851e+06	0.0
1	57	1056.90	17.57	-6.703e+04	-2.013e+04	1.394e+06	0.0
1	58	1056.89	-14.43	-6.707e+04	1.792e+04	1.394e+06	0.0
1	59	-1056.89	17.57	-6.703e+04	-2.012e+04	-1.394e+06	0.0
1	60	-1056.90	-14.43	-6.707e+04	1.792e+04	-1.394e+06	0.0
1	61	1424.96	3850.39	-6.425e+04	-4.977e+06	1.851e+06	0.0
1	62	1424.95	-3847.26	-6.985e+04	4.975e+06	1.851e+06	0.0
1	63	-1424.95	3850.39	-6.425e+04	-4.977e+06	-1.851e+06	0.0
1	64	-1424.96	-3847.26	-6.985e+04	4.975e+06	-1.851e+06	0.0
1	65	1056.90	3850.39	-6.425e+04	-4.977e+06	1.394e+06	0.0
1	66	1056.89	-3847.26	-6.985e+04	4.975e+06	1.394e+06	0.0
1	67	-1056.89	3850.39	-6.425e+04	-4.977e+06	-1.394e+06	0.0
1	68	-1056.90	-3847.26	-6.985e+04	4.975e+06	-1.394e+06	0.0
1	69	2699.84	4.62	-6.705e+04	-4737.37	3.508e+06	0.0
1	70	2699.84	-1.49	-6.705e+04	2534.18	3.508e+06	0.0
1	71	-2699.84	4.63	-6.705e+04	-4736.43	-3.508e+06	0.0
1	72	-2699.84	-1.49	-6.705e+04	2535.12	-3.508e+06	0.0
1	73	2699.84	739.26	-6.651e+04	-9.547e+05	3.508e+06	0.0
1	74	2699.84	-736.12	-6.759e+04	9.525e+05	3.508e+06	0.0
1	75	-2699.84	739.26	-6.651e+04	-9.547e+05	-3.508e+06	0.0
1	76	-2699.84	-736.12	-6.759e+04	9.525e+05	-3.508e+06	0.0
1	77	2014.97	4.62	-6.705e+04	-4738.09	2.661e+06	0.0
1	78	2014.97	-1.49	-6.705e+04	2533.46	2.661e+06	0.0
1	79	-2014.97	4.63	-6.705e+04	-4735.72	-2.661e+06	0.0
1	80	-2014.97	-1.49	-6.706e+04	2535.83	-2.661e+06	0.0
1	81	2014.97	739.26	-6.651e+04	-9.547e+05	2.661e+06	0.0
1	82	2014.97	-736.12	-6.759e+04	9.525e+05	2.661e+06	0.0
1	83	-2014.97	739.26	-6.651e+04	-9.547e+05	-2.661e+06	0.0
1	84	-2014.97	-736.12	-6.759e+04	9.525e+05	-2.661e+06	0.0
1	85	809.96	11.76	-6.704e+04	-1.322e+04	1.052e+06	0.0
1	86	809.95	-8.62	-6.707e+04	1.102e+04	1.052e+06	0.0
1	87	-809.95	11.76	-6.704e+04	-1.322e+04	-1.052e+06	0.0
1	88	-809.96	-8.62	-6.707e+04	1.102e+04	-1.052e+06	0.0
1	89	604.49	11.76	-6.704e+04	-1.322e+04	7.984e+05	0.0
1	90	604.49	-8.62	-6.707e+04	1.102e+04	7.984e+05	0.0
1	91	-604.49	11.76	-6.704e+04	-1.322e+04	-7.984e+05	0.0
1	92	-604.49	-8.62	-6.707e+04	1.102e+04	-7.984e+05	0.0
1	93	809.96	2460.53	-6.526e+04	-3.180e+06	1.052e+06	0.0
1	94	809.95	-2457.40	-6.884e+04	3.178e+06	1.052e+06	0.0
1	95	-809.95	2460.53	-6.526e+04	-3.180e+06	-1.052e+06	0.0
1	96	-809.96	-2457.40	-6.884e+04	3.178e+06	-1.052e+06	0.0
1	97	604.49	2460.53	-6.526e+04	-3.180e+06	7.984e+05	0.0
1	98	604.49	-2457.40	-6.884e+04	3.178e+06	7.984e+05	0.0
1	99	-604.49	2460.54	-6.526e+04	-3.180e+06	-7.984e+05	0.0
1	100	-604.49	-2457.40	-6.884e+04	3.178e+06	-7.984e+05	0.0
1	101	3360.24	0.93	-6.407e+04	-647.13	1.642e+06	0.0
1	102	3360.24	1.73	-6.780e+04	-1214.63	1.642e+06	0.0
1	103	5600.40	0.93	-6.407e+04	-647.13	2.736e+06	0.0
1	104	5600.40	1.73	-6.780e+04	-1214.63	2.736e+06	0.0
1	105	-2043.22	0.93	-6.407e+04	-647.13	-1.294e+06	0.0
1	106	-2043.22	1.73	-6.780e+04	-1214.63	-1.294e+06	0.0
1	107	-3405.37	0.93	-6.407e+04	-647.13	-2.157e+06	0.0
1	108	-3405.37	1.73	-6.780e+04	-1214.63	-2.157e+06	0.0
1	109	0.0	2962.19	-6.371e+04	-1.284e+06	0.0	0.0
1	110	0.0	2962.99	-6.744e+04	-1.284e+06	0.0	0.0
1	111	0.0	4936.36	-6.347e+04	-2.139e+06	0.0	0.0
1	112	0.0	4937.16	-6.720e+04	-2.140e+06	0.0	0.0
1	113	0.0	-1696.90	-6.446e+04	9.419e+05	0.0	0.0
1	114	0.0	-1696.10	-6.818e+04	9.413e+05	0.0	0.0
1	115	0.0	-2828.78	-6.472e+04	1.570e+06	0.0	0.0
1	116	0.0	-2827.98	-6.844e+04	1.570e+06	0.0	0.0
1	117	0.0	0.93	-6.407e+04	-647.13	0.0	0.0
1	118	0.0	1.73	-6.780e+04	-1214.63	0.0	0.0
2	1	672.10	-81.48	-1.131e+05	1.091e+05	8.966e+05	0.0
2	2	672.10	-161.82	-1.459e+05	2.167e+05	8.966e+05	0.0
2	3	672.10	-62.67	-4.197e+04	8.393e+04	8.966e+05	0.0
2	4	672.10	-143.02	-7.482e+04	1.915e+05	8.966e+05	0.0
2	5	1120.16	-81.48	-1.131e+05	1.091e+05	1.494e+06	0.0
2	6	1120.16	-161.82	-1.459e+05	2.167e+05	1.494e+06	0.0
2	7	1120.16	-62.67	-4.197e+04	8.393e+04	1.494e+06	0.0
2	8	1120.16	-143.02	-7.482e+04	1.915e+05	1.494e+06	0.0

Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
		daN	daN	daN	daN cm	daN cm	daN cm
2	9	-668.23	-81.48	-1.131e+05	1.091e+05	-8.914e+05	0.0
2	10	-668.23	-161.82	-1.459e+05	2.167e+05	-8.914e+05	0.0
2	11	-668.23	-62.67	-4.197e+04	8.393e+04	-8.914e+05	0.0
2	12	-668.23	-143.02	-7.482e+04	1.915e+05	-8.914e+05	0.0
2	13	-1113.71	-81.48	-1.131e+05	1.091e+05	-1.486e+06	0.0
2	14	-1113.71	-161.82	-1.459e+05	2.167e+05	-1.486e+06	0.0
2	15	-1113.71	-62.67	-4.197e+04	8.393e+04	-1.486e+06	0.0
2	16	-1113.71	-143.02	-7.482e+04	1.915e+05	-1.486e+06	0.0
2	17	0.0	1.059e+04	-1.131e+05	-6.083e+06	0.0	0.0
2	18	0.0	1.051e+04	-1.459e+05	-5.975e+06	0.0	0.0
2	19	0.0	1.061e+04	-4.197e+04	-6.108e+06	0.0	0.0
2	20	0.0	1.052e+04	-7.482e+04	-6.000e+06	0.0	0.0
2	21	0.0	1.770e+04	-1.131e+05	-1.021e+07	0.0	0.0
2	22	0.0	1.762e+04	-1.459e+05	-1.010e+07	0.0	0.0
2	23	0.0	1.772e+04	-4.197e+04	-1.024e+07	0.0	0.0
2	24	0.0	1.764e+04	-7.482e+04	-1.013e+07	0.0	0.0
2	25	0.0	-6963.56	-1.131e+05	5.281e+06	0.0	0.0
2	26	0.0	-7043.90	-1.459e+05	5.389e+06	0.0	0.0
2	27	0.0	-6944.76	-4.197e+04	5.256e+06	0.0	0.0
2	28	0.0	-7025.10	-7.482e+04	5.364e+06	0.0	0.0
2	29	0.0	-1.155e+04	-1.131e+05	8.729e+06	0.0	0.0
2	30	0.0	-1.163e+04	-1.459e+05	8.837e+06	0.0	0.0
2	31	0.0	-1.153e+04	-4.197e+04	8.704e+06	0.0	0.0
2	32	0.0	-1.161e+04	-7.482e+04	8.812e+06	0.0	0.0
2	33	0.0	-81.48	-1.131e+05	1.091e+05	0.0	0.0
2	34	0.0	-161.82	-1.459e+05	2.167e+05	0.0	0.0
2	35	0.0	-62.67	-4.197e+04	8.393e+04	0.0	0.0
2	36	0.0	-143.02	-7.482e+04	1.915e+05	0.0	0.0
2	37	3094.68	1232.78	-9.853e+04	-1.621e+06	3.936e+06	0.0
2	38	3094.69	-1443.84	-9.846e+04	1.903e+06	3.936e+06	0.0
2	39	-3094.69	1232.79	-9.852e+04	-1.621e+06	-3.936e+06	0.0
2	40	-3094.68	-1443.82	-9.846e+04	1.903e+06	-3.936e+06	0.0
2	41	3094.69	1480.27	-9.853e+04	-1.946e+06	3.936e+06	0.0
2	42	3094.69	-1691.33	-9.845e+04	2.229e+06	3.936e+06	0.0
2	43	-3094.69	1480.29	-9.853e+04	-1.946e+06	-3.936e+06	0.0
2	44	-3094.69	-1691.31	-9.845e+04	2.229e+06	-3.936e+06	0.0
2	45	2283.87	1232.81	-9.853e+04	-1.621e+06	2.960e+06	0.0
2	46	2283.88	-1443.80	-9.846e+04	1.903e+06	2.960e+06	0.0
2	47	-2283.88	1232.76	-9.852e+04	-1.621e+06	-2.960e+06	0.0
2	48	-2283.87	-1443.86	-9.846e+04	1.903e+06	-2.960e+06	0.0
2	49	2283.87	1480.30	-9.853e+04	-1.947e+06	2.960e+06	0.0
2	50	2283.87	-1691.30	-9.845e+04	2.229e+06	2.960e+06	0.0
2	51	-2283.87	1480.25	-9.853e+04	-1.946e+06	-2.960e+06	0.0
2	52	-2283.87	-1691.35	-9.845e+04	2.229e+06	-2.960e+06	0.0
2	53	928.39	4355.50	-9.860e+04	-5.732e+06	1.181e+06	0.0
2	54	928.42	-4566.55	-9.838e+04	6.015e+06	1.181e+06	0.0
2	55	-928.42	4355.51	-9.860e+04	-5.732e+06	-1.181e+06	0.0
2	56	-928.39	-4566.55	-9.838e+04	6.015e+06	-1.181e+06	0.0
2	57	685.15	4355.51	-9.860e+04	-5.732e+06	8.880e+05	0.0
2	58	685.17	-4566.54	-9.838e+04	6.015e+06	8.880e+05	0.0
2	59	-685.17	4355.50	-9.860e+04	-5.732e+06	-8.880e+05	0.0
2	60	-685.15	-4566.56	-9.838e+04	6.015e+06	-8.880e+05	0.0
2	61	928.40	5180.47	-9.862e+04	-6.818e+06	1.181e+06	0.0
2	62	928.41	-5391.52	-9.836e+04	7.101e+06	1.181e+06	0.0
2	63	-928.41	5180.48	-9.862e+04	-6.818e+06	-1.181e+06	0.0
2	64	-928.40	-5391.52	-9.836e+04	7.101e+06	-1.181e+06	0.0
2	65	685.16	5180.48	-9.862e+04	-6.818e+06	8.880e+05	0.0
2	66	685.16	-5391.51	-9.836e+04	7.101e+06	8.880e+05	0.0
2	67	-685.16	5180.47	-9.862e+04	-6.818e+06	-8.880e+05	0.0
2	68	-685.16	-5391.53	-9.836e+04	7.101e+06	-8.880e+05	0.0
2	69	1759.33	747.14	-9.851e+04	-9.811e+05	2.238e+06	0.0
2	70	1759.33	-958.20	-9.847e+04	1.264e+06	2.238e+06	0.0
2	71	-1759.33	747.16	-9.851e+04	-9.811e+05	-2.238e+06	0.0
2	72	-1759.33	-958.19	-9.847e+04	1.264e+06	-2.238e+06	0.0
2	73	1759.33	798.52	-9.851e+04	-1.049e+06	2.238e+06	0.0
2	74	1759.33	-1009.57	-9.847e+04	1.332e+06	2.238e+06	0.0
2	75	-1759.33	798.53	-9.851e+04	-1.049e+06	-2.238e+06	0.0
2	76	-1759.33	-1009.56	-9.847e+04	1.332e+06	-2.238e+06	0.0
2	77	1308.01	747.17	-9.851e+04	-9.811e+05	1.696e+06	0.0
2	78	1308.01	-958.18	-9.847e+04	1.264e+06	1.696e+06	0.0
2	79	-1308.01	747.13	-9.851e+04	-9.811e+05	-1.696e+06	0.0
2	80	-1308.01	-958.21	-9.847e+04	1.264e+06	-1.696e+06	0.0
2	81	1308.01	798.54	-9.851e+04	-1.049e+06	1.696e+06	0.0
2	82	1308.01	-1009.55	-9.847e+04	1.332e+06	1.696e+06	0.0

Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
		daN	daN	daN	daN cm	daN cm	daN cm
2	83	-1308.01	798.51	-9.851e+04	-1.049e+06	-1.696e+06	0.0
2	84	-1308.01	-1009.58	-9.847e+04	1.332e+06	-1.696e+06	0.0
2	85	527.79	2736.72	-9.856e+04	-3.600e+06	6.715e+05	0.0
2	86	527.81	-2947.76	-9.842e+04	3.883e+06	6.715e+05	0.0
2	87	-527.81	2736.72	-9.856e+04	-3.600e+06	-6.715e+05	0.0
2	88	-527.79	-2947.76	-9.842e+04	3.883e+06	-6.715e+05	0.0
2	89	392.40	2736.72	-9.856e+04	-3.600e+06	5.087e+05	0.0
2	90	392.41	-2947.76	-9.842e+04	3.883e+06	5.087e+05	0.0
2	91	-392.41	2736.71	-9.856e+04	-3.600e+06	-5.087e+05	0.0
2	92	-392.40	-2947.77	-9.842e+04	3.883e+06	-5.087e+05	0.0
2	93	527.80	2907.96	-9.857e+04	-3.827e+06	6.715e+05	0.0
2	94	527.80	-3119.00	-9.842e+04	4.110e+06	6.715e+05	0.0
2	95	-527.80	2907.96	-9.857e+04	-3.827e+06	-6.715e+05	0.0
2	96	-527.80	-3119.00	-9.842e+04	4.110e+06	-6.715e+05	0.0
2	97	392.40	2907.96	-9.857e+04	-3.827e+06	5.087e+05	0.0
2	98	392.40	-3119.00	-9.842e+04	4.110e+06	5.087e+05	0.0
2	99	-392.40	2907.95	-9.857e+04	-3.827e+06	-5.087e+05	0.0
2	100	-392.40	-3119.01	-9.842e+04	4.110e+06	-5.087e+05	0.0
2	101	448.07	-62.67	-8.097e+04	8.393e+04	5.977e+05	0.0
2	102	448.07	-116.23	-1.029e+05	1.557e+05	5.977e+05	0.0
2	103	746.78	-62.67	-8.097e+04	8.393e+04	9.962e+05	0.0
2	104	746.78	-116.23	-1.029e+05	1.557e+05	9.962e+05	0.0
2	105	-445.48	-62.67	-8.097e+04	8.393e+04	-5.943e+05	0.0
2	106	-445.48	-116.23	-1.029e+05	1.557e+05	-5.943e+05	0.0
2	107	-742.47	-62.67	-8.097e+04	8.393e+04	-9.905e+05	0.0
2	108	-742.47	-116.23	-1.029e+05	1.557e+05	-9.905e+05	0.0
2	109	0.0	7049.27	-8.097e+04	-4.044e+06	0.0	0.0
2	110	0.0	6995.71	-1.029e+05	-3.972e+06	0.0	0.0
2	111	0.0	1.179e+04	-8.097e+04	-6.796e+06	0.0	0.0
2	112	0.0	1.174e+04	-1.029e+05	-6.724e+06	0.0	0.0
2	113	0.0	-4650.73	-8.097e+04	3.532e+06	0.0	0.0
2	114	0.0	-4704.29	-1.029e+05	3.604e+06	0.0	0.0
2	115	0.0	-7709.44	-8.097e+04	5.831e+06	0.0	0.0
2	116	0.0	-7763.00	-1.029e+05	5.902e+06	0.0	0.0
2	117	0.0	-62.67	-8.097e+04	8.393e+04	0.0	0.0
2	118	0.0	-116.23	-1.029e+05	1.557e+05	0.0	0.0
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14	1	3064.83	-1.18	-9.147e+04	808.04	1.941e+06	0.0
14	2	3064.83	-2.38	-9.705e+04	1659.28	1.941e+06	0.0
14	3	3064.83	-1.05	-2.319e+04	813.31	1.941e+06	0.0
14	4	3064.83	-2.25	-2.878e+04	1664.55	1.941e+06	0.0
14	5	5108.05	-1.18	-9.147e+04	808.04	3.235e+06	0.0
14	6	5108.05	-2.38	-9.705e+04	1659.28	3.235e+06	0.0
14	7	5108.05	-1.05	-2.319e+04	813.31	3.235e+06	0.0
14	8	5108.05	-2.25	-2.878e+04	1664.55	3.235e+06	0.0
14	9	-5040.36	-1.18	-9.147e+04	808.04	-2.463e+06	0.0
14	10	-5040.36	-2.38	-9.705e+04	1659.28	-2.463e+06	0.0
14	11	-5040.36	-1.05	-2.319e+04	813.31	-2.463e+06	0.0
14	12	-5040.36	-2.25	-2.878e+04	1664.55	-2.463e+06	0.0
14	13	-8400.60	-1.18	-9.147e+04	808.04	-4.104e+06	0.0
14	14	-8400.60	-2.38	-9.705e+04	1659.28	-4.104e+06	0.0
14	15	-8400.60	-1.05	-2.319e+04	813.31	-4.104e+06	0.0
14	16	-8400.60	-2.25	-2.878e+04	1664.55	-4.104e+06	0.0
14	17	0.0	2545.56	-9.205e+04	-1.413e+06	0.0	0.0
14	18	0.0	2544.35	-9.764e+04	-1.412e+06	0.0	0.0
14	19	0.0	2545.69	-2.377e+04	-1.413e+06	0.0	0.0
14	20	0.0	2544.48	-2.936e+04	-1.412e+06	0.0	0.0
14	21	0.0	4243.38	-9.244e+04	-2.356e+06	0.0	0.0
14	22	0.0	4242.18	-9.802e+04	-2.355e+06	0.0	0.0
14	23	0.0	4243.51	-2.416e+04	-2.356e+06	0.0	0.0
14	24	0.0	4242.31	-2.975e+04	-2.355e+06	0.0	0.0
14	25	0.0	-4443.07	-9.093e+04	1.926e+06	0.0	0.0
14	26	0.0	-4444.27	-9.652e+04	1.926e+06	0.0	0.0
14	27	0.0	-4442.94	-2.265e+04	1.926e+06	0.0	0.0
14	28	0.0	-4444.14	-2.824e+04	1.926e+06	0.0	0.0
14	29	0.0	-7404.33	-9.057e+04	3.209e+06	0.0	0.0
14	30	0.0	-7405.53	-9.616e+04	3.210e+06	0.0	0.0
14	31	0.0	-7404.20	-2.229e+04	3.209e+06	0.0	0.0
14	32	0.0	-7405.41	-2.788e+04	3.210e+06	0.0	0.0
14	33	0.0	-1.18	-9.147e+04	808.04	0.0	0.0
14	34	0.0	-2.38	-9.705e+04	1659.28	0.0	0.0
14	35	0.0	-1.05	-2.319e+04	813.31	0.0	0.0
14	36	0.0	-2.25	-2.878e+04	1664.55	0.0	0.0
14	37	3522.99	1153.09	-6.789e+04	-1.492e+06	4.648e+06	0.0

Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
		daN	daN	daN	daN cm	daN cm	daN cm
14	38	3522.97	-1156.23	-6.621e+04	1.494e+06	4.648e+06	0.0
14	39	-3522.97	1153.09	-6.789e+04	-1.492e+06	-4.648e+06	0.0
14	40	-3522.99	-1156.22	-6.621e+04	1.494e+06	-4.648e+06	0.0
14	41	3522.98	3.23	-6.706e+04	-4605.51	4.648e+06	0.0
14	42	3522.97	-6.37	-6.704e+04	6808.96	4.648e+06	0.0
14	43	-3522.97	3.23	-6.706e+04	-4606.70	-4.648e+06	0.0
14	44	-3522.98	-6.37	-6.704e+04	6807.77	-4.648e+06	0.0
14	45	4749.88	1153.07	-6.789e+04	-1.492e+06	6.169e+06	0.0
14	46	4749.86	-1156.24	-6.621e+04	1.494e+06	6.169e+06	0.0
14	47	-4749.86	1153.11	-6.789e+04	-1.492e+06	-6.169e+06	0.0
14	48	-4749.88	-1156.21	-6.621e+04	1.494e+06	-6.169e+06	0.0
14	49	4749.88	3.22	-6.706e+04	-4598.68	6.169e+06	0.0
14	50	4749.86	-6.38	-6.704e+04	6815.80	6.169e+06	0.0
14	51	-4749.86	3.25	-6.706e+04	-4613.54	-6.169e+06	0.0
14	52	-4749.88	-6.35	-6.704e+04	6800.94	-6.169e+06	0.0
14	53	1056.92	3847.29	-6.985e+04	-4.975e+06	1.394e+06	0.0
14	54	1056.86	-3850.43	-6.425e+04	4.977e+06	1.394e+06	0.0
14	55	-1056.86	3847.29	-6.985e+04	-4.975e+06	-1.394e+06	0.0
14	56	-1056.92	-3850.43	-6.425e+04	4.977e+06	-1.394e+06	0.0
14	57	1424.99	3847.29	-6.985e+04	-4.975e+06	1.851e+06	0.0
14	58	1424.93	-3850.43	-6.425e+04	4.977e+06	1.851e+06	0.0
14	59	-1424.93	3847.30	-6.985e+04	-4.975e+06	-1.851e+06	0.0
14	60	-1424.99	-3850.42	-6.425e+04	4.977e+06	-1.851e+06	0.0
14	61	1056.92	14.43	-6.707e+04	-1.792e+04	1.394e+06	0.0
14	62	1056.87	-17.57	-6.703e+04	2.013e+04	1.394e+06	0.0
14	63	-1056.87	14.43	-6.707e+04	-1.792e+04	-1.394e+06	0.0
14	64	-1056.92	-17.57	-6.703e+04	2.013e+04	-1.394e+06	0.0
14	65	1424.98	14.43	-6.707e+04	-1.792e+04	1.851e+06	0.0
14	66	1424.94	-17.57	-6.703e+04	2.013e+04	1.851e+06	0.0
14	67	-1424.94	14.44	-6.707e+04	-1.793e+04	-1.851e+06	0.0
14	68	-1424.98	-17.56	-6.703e+04	2.012e+04	-1.851e+06	0.0
14	69	2014.97	736.13	-6.759e+04	-9.525e+05	2.661e+06	0.0
14	70	2014.96	-739.27	-6.651e+04	9.547e+05	2.661e+06	0.0
14	71	-2014.96	736.13	-6.759e+04	-9.525e+05	-2.661e+06	0.0
14	72	-2014.97	-739.26	-6.651e+04	9.547e+05	-2.661e+06	0.0
14	73	2014.97	1.49	-6.705e+04	-2534.41	2.661e+06	0.0
14	74	2014.96	-4.63	-6.705e+04	4737.41	2.661e+06	0.0
14	75	-2014.96	1.49	-6.705e+04	-2535.15	-2.661e+06	0.0
14	76	-2014.97	-4.62	-6.705e+04	4736.67	-2.661e+06	0.0
14	77	2699.85	736.12	-6.759e+04	-9.525e+05	3.508e+06	0.0
14	78	2699.84	-739.27	-6.651e+04	9.547e+05	3.508e+06	0.0
14	79	-2699.84	736.14	-6.759e+04	-9.525e+05	-3.508e+06	0.0
14	80	-2699.85	-739.25	-6.651e+04	9.547e+05	-3.508e+06	0.0
14	81	2699.85	1.48	-6.705e+04	-2530.04	3.508e+06	0.0
14	82	2699.84	-4.63	-6.705e+04	4741.78	3.508e+06	0.0
14	83	-2699.84	1.50	-6.705e+04	-2539.52	-3.508e+06	0.0
14	84	-2699.85	-4.61	-6.705e+04	4732.29	-3.508e+06	0.0
14	85	604.51	2457.42	-6.884e+04	-3.178e+06	7.984e+05	0.0
14	86	604.47	-2460.56	-6.526e+04	3.180e+06	7.984e+05	0.0
14	87	-604.47	2457.42	-6.884e+04	-3.178e+06	-7.984e+05	0.0
14	88	-604.51	-2460.56	-6.526e+04	3.180e+06	-7.984e+05	0.0
14	89	809.97	2457.42	-6.884e+04	-3.178e+06	1.052e+06	0.0
14	90	809.93	-2460.56	-6.526e+04	3.180e+06	1.052e+06	0.0
14	91	-809.93	2457.42	-6.884e+04	-3.178e+06	-1.052e+06	0.0
14	92	-809.97	-2460.55	-6.526e+04	3.180e+06	-1.052e+06	0.0
14	93	604.50	8.62	-6.707e+04	-1.102e+04	7.984e+05	0.0
14	94	604.47	-11.76	-6.704e+04	1.322e+04	7.984e+05	0.0
14	95	-604.47	8.62	-6.707e+04	-1.102e+04	-7.984e+05	0.0
14	96	-604.50	-11.76	-6.704e+04	1.322e+04	-7.984e+05	0.0
14	97	809.97	8.62	-6.707e+04	-1.102e+04	1.052e+06	0.0
14	98	809.94	-11.76	-6.704e+04	1.322e+04	1.052e+06	0.0
14	99	-809.94	8.62	-6.707e+04	-1.102e+04	-1.052e+06	0.0
14	100	-809.97	-11.75	-6.704e+04	1.322e+04	-1.052e+06	0.0
14	101	2043.22	-0.93	-6.407e+04	647.13	1.294e+06	0.0
14	102	2043.22	-1.73	-6.780e+04	1214.63	1.294e+06	0.0
14	103	3405.37	-0.93	-6.407e+04	647.13	2.157e+06	0.0
14	104	3405.37	-1.73	-6.780e+04	1214.63	2.157e+06	0.0
14	105	-3360.24	-0.93	-6.407e+04	647.13	-1.642e+06	0.0
14	106	-3360.24	-1.73	-6.780e+04	1214.63	-1.642e+06	0.0
14	107	-5600.40	-0.93	-6.407e+04	647.13	-2.736e+06	0.0
14	108	-5600.40	-1.73	-6.780e+04	1214.63	-2.736e+06	0.0
14	109	0.0	1696.90	-6.446e+04	-9.419e+05	0.0	0.0
14	110	0.0	1696.10	-6.818e+04	-9.413e+05	0.0	0.0
14	111	0.0	2828.78	-6.472e+04	-1.570e+06	0.0	0.0

Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
		daN	daN	daN	daN cm	daN cm	daN cm
14	112	0.0	2827.98	-6.844e+04	-1.570e+06	0.0	0.0
14	113	0.0	-2962.19	-6.371e+04	1.284e+06	0.0	0.0
14	114	0.0	-2962.99	-6.744e+04	1.284e+06	0.0	0.0
14	115	0.0	-4936.36	-6.347e+04	2.139e+06	0.0	0.0
14	116	0.0	-4937.16	-6.720e+04	2.140e+06	0.0	0.0
14	117	0.0	-0.93	-6.407e+04	647.13	0.0	0.0
14	118	0.0	-1.73	-6.780e+04	1214.63	0.0	0.0

Nodo		Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
		-1.851e+04	-1.772e+04	-1.459e+05	-1.027e+07	-9.688e+06	-1.540e+05
		1.851e+04	1.772e+04	-2.229e+04	1.027e+07	9.688e+06	1.540e+05

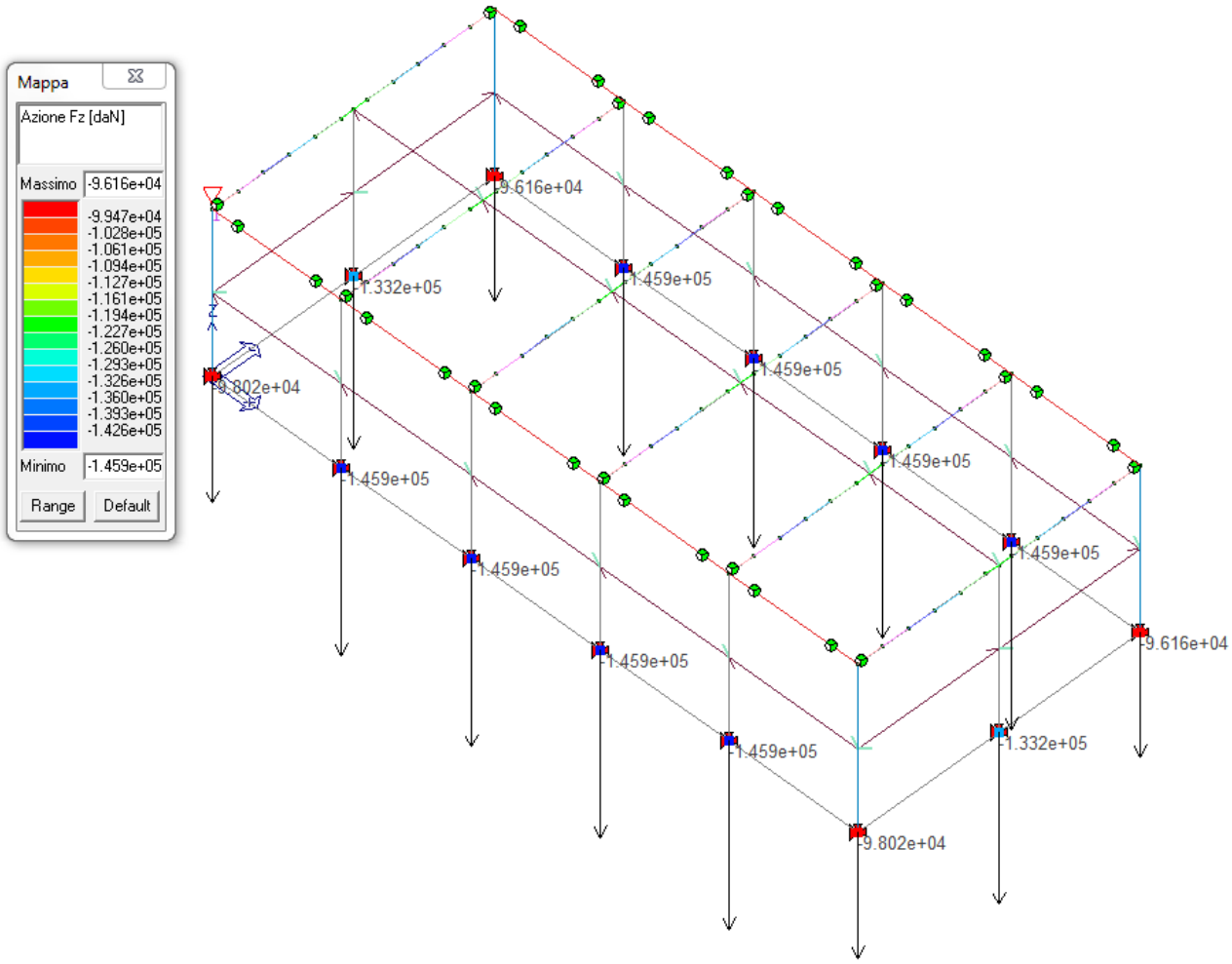
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Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
		daN	daN	daN	daN cm	daN cm	daN cm
1	30	0.0	-4242.18	-9.802e+04	2.355e+06	0.0	0.0
	23	0.0	7404.20	-2.229e+04	-3.209e+06	0.0	0.0
	65	1056.90	3850.39	-6.425e+04	-4.977e+06	1.394e+06	0.0
	68	-1056.90	-3847.26	-6.985e+04	4.975e+06	-1.394e+06	0.0
	44	-4749.87	-1153.08	-6.789e+04	1.492e+06	-6.169e+06	0.0
	41	4749.87	1156.21	-6.621e+04	-1.494e+06	6.169e+06	0.0
2	22	0.0	1.762e+04	-1.459e+05	-1.010e+07	0.0	0.0
	31	0.0	-1.153e+04	-4.197e+04	8.704e+06	0.0	0.0
	23	0.0	1.772e+04	-4.197e+04	-1.024e+07	0.0	0.0
	30	0.0	-1.163e+04	-1.459e+05	8.837e+06	0.0	0.0
	39	-3094.69	1232.79	-9.852e+04	-1.621e+06	-3.936e+06	0.0
	38	3094.69	-1443.84	-9.846e+04	1.903e+06	3.936e+06	0.0
3	30	0.0	-1.163e+04	-1.459e+05	8.871e+06	0.0	0.0
	23	0.0	1.772e+04	-4.197e+04	-1.027e+07	0.0	0.0
	23	0.0	1.772e+04	-4.197e+04	-1.027e+07	0.0	0.0
	30	0.0	-1.163e+04	-1.459e+05	8.871e+06	0.0	0.0
	43	-3097.12	1380.89	-9.853e+04	-1.827e+06	-3.939e+06	0.0
	42	3097.12	-1589.70	-9.845e+04	2.108e+06	3.939e+06	0.0
4	22	0.0	1.762e+04	-1.459e+05	-1.014e+07	0.0	0.0
	31	0.0	-1.153e+04	-4.197e+04	8.739e+06	0.0	0.0
	23	0.0	1.772e+04	-4.197e+04	-1.027e+07	0.0	0.0
	30	0.0	-1.163e+04	-1.459e+05	8.871e+06	0.0	0.0
	43	-3097.13	1316.66	-9.853e+04	-1.740e+06	-3.939e+06	0.0
	42	3097.13	-1525.47	-9.846e+04	2.022e+06	3.939e+06	0.0
5	30	0.0	-1.163e+04	-1.459e+05	8.837e+06	0.0	0.0
	23	0.0	1.772e+04	-4.197e+04	-1.024e+07	0.0	0.0
	23	0.0	1.772e+04	-4.197e+04	-1.024e+07	0.0	0.0
	30	0.0	-1.163e+04	-1.459e+05	8.837e+06	0.0	0.0
	39	-3094.69	1480.28	-9.853e+04	-1.946e+06	-3.936e+06	0.0
	38	3094.69	-1691.32	-9.845e+04	2.229e+06	3.936e+06	0.0
6	30	0.0	-4242.18	-9.802e+04	2.355e+06	0.0	0.0
	23	0.0	7404.20	-2.229e+04	-3.209e+06	0.0	0.0
	59	-1056.89	3850.34	-6.425e+04	-4.977e+06	-1.394e+06	0.0
	58	1056.89	-3847.20	-6.985e+04	4.974e+06	1.394e+06	0.0
	40	-4749.86	-1153.06	-6.789e+04	1.492e+06	-6.169e+06	0.0
	37	4749.86	1156.20	-6.621e+04	-1.494e+06	6.169e+06	0.0
7	2	1.111e+04	0.0	-1.333e+05	0.0	5.813e+06	0.0
	31	0.0	-2977.29	-3.657e+04	1.972e+06	0.0	0.0
	61	1138.36	9534.44	-9.085e+04	-6.306e+06	1.452e+06	4.620e+04
	64	-1138.36	-9534.44	-9.085e+04	6.306e+06	-1.452e+06	-4.620e+04
	13	-9600.20	0.0	-1.116e+05	0.0	-5.360e+06	0.0
	5	1.851e+04	0.0	-1.116e+05	0.0	9.688e+06	0.0
8	2	5760.12	0.0	-1.333e+05	0.0	3.216e+06	0.0
	31	0.0	-2977.29	-3.657e+04	1.972e+06	0.0	0.0
	57	1138.34	9534.44	-9.085e+04	-6.306e+06	1.452e+06	-4.619e+04
	60	-1138.34	-9534.44	-9.085e+04	6.306e+06	-1.452e+06	4.619e+04
	13	-1.851e+04	0.0	-1.116e+05	0.0	-9.688e+06	0.0
	5	9600.20	0.0	-1.116e+05	0.0	5.360e+06	0.0
9	22	0.0	4242.18	-9.802e+04	-2.355e+06	0.0	0.0
	31	0.0	-7404.20	-2.229e+04	3.209e+06	0.0	0.0
	65	1425.01	3847.26	-6.985e+04	-4.975e+06	1.851e+06	0.0
	68	-1425.01	-3850.39	-6.425e+04	4.977e+06	-1.851e+06	0.0
	48	-4749.88	-6.36	-6.704e+04	6811.52	-6.169e+06	0.0
	45	4749.88	3.22	-6.706e+04	-4609.26	6.169e+06	0.0

Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
		daN	daN	daN	daN cm	daN cm	daN cm
10	30	0.0	-1.762e+04	-1.459e+05	1.010e+07	0.0	0.0
	23	0.0	1.153e+04	-4.197e+04	-8.704e+06	0.0	0.0
	22	0.0	1.163e+04	-1.459e+05	-8.837e+06	0.0	0.0
	31	0.0	-1.772e+04	-4.197e+04	1.024e+07	0.0	0.0
	51	-3094.70	1691.34	-9.845e+04	-2.229e+06	-3.936e+06	0.0
	50	3094.70	-1480.30	-9.853e+04	1.947e+06	3.936e+06	0.0
11	30	0.0	-1.762e+04	-1.459e+05	1.014e+07	0.0	0.0
	23	0.0	1.153e+04	-4.197e+04	-8.739e+06	0.0	0.0
	22	0.0	1.163e+04	-1.459e+05	-8.871e+06	0.0	0.0
	31	0.0	-1.772e+04	-4.197e+04	1.027e+07	0.0	0.0
	47	-3097.12	1525.47	-9.846e+04	-2.022e+06	-3.939e+06	0.0
	46	3097.12	-1316.65	-9.853e+04	1.740e+06	3.939e+06	0.0
12	30	0.0	-1.762e+04	-1.459e+05	1.014e+07	0.0	0.0
	23	0.0	1.153e+04	-4.197e+04	-8.739e+06	0.0	0.0
	22	0.0	1.163e+04	-1.459e+05	-8.871e+06	0.0	0.0
	31	0.0	-1.772e+04	-4.197e+04	1.027e+07	0.0	0.0
	47	-3097.13	1589.72	-9.845e+04	-2.108e+06	-3.939e+06	0.0
	46	3097.13	-1380.91	-9.853e+04	1.827e+06	3.939e+06	0.0
13	30	0.0	-1.762e+04	-1.459e+05	1.010e+07	0.0	0.0
	23	0.0	1.153e+04	-4.197e+04	-8.704e+06	0.0	0.0
	22	0.0	1.163e+04	-1.459e+05	-8.837e+06	0.0	0.0
	31	0.0	-1.772e+04	-4.197e+04	1.024e+07	0.0	0.0
	51	-3094.70	1443.84	-9.846e+04	-1.903e+06	-3.936e+06	0.0
	50	3094.70	-1232.80	-9.852e+04	1.621e+06	3.936e+06	0.0
14	22	0.0	4242.18	-9.802e+04	-2.355e+06	0.0	0.0
	31	0.0	-7404.20	-2.229e+04	3.209e+06	0.0	0.0
	59	-1424.93	3847.30	-6.985e+04	-4.975e+06	-1.851e+06	0.0
	58	1424.93	-3850.43	-6.425e+04	4.977e+06	1.851e+06	0.0
	48	-4749.88	-1156.21	-6.621e+04	1.494e+06	-6.169e+06	0.0
	45	4749.88	1153.07	-6.789e+04	-1.492e+06	6.169e+06	0.0

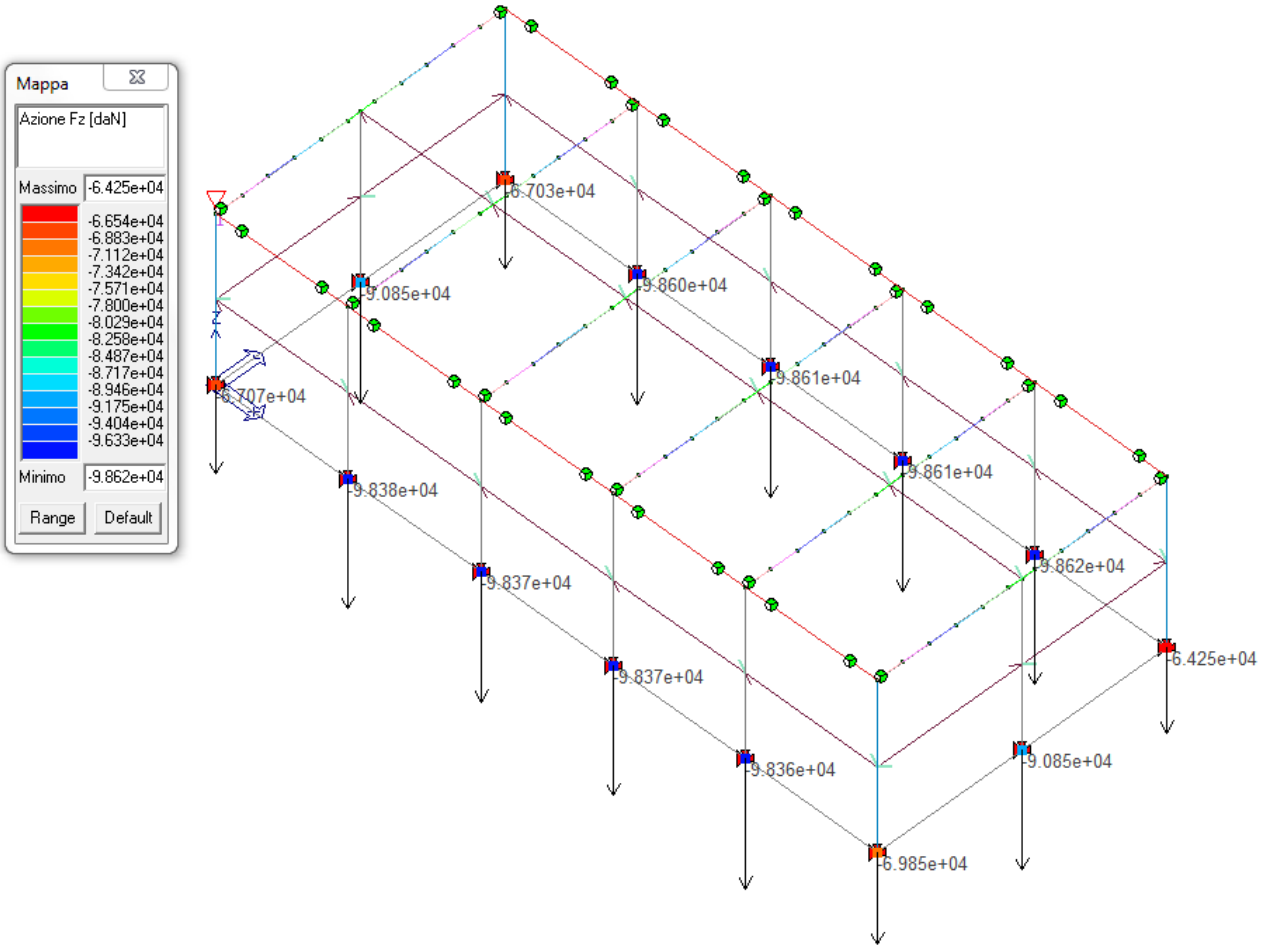
Le fondazioni sono realizzate con dei plinti su pali gettati in opera, con bicchiere per accogliere le colonne prefabbricate.

Azione massima combinazioni SLU STR A1 (CMB 30)



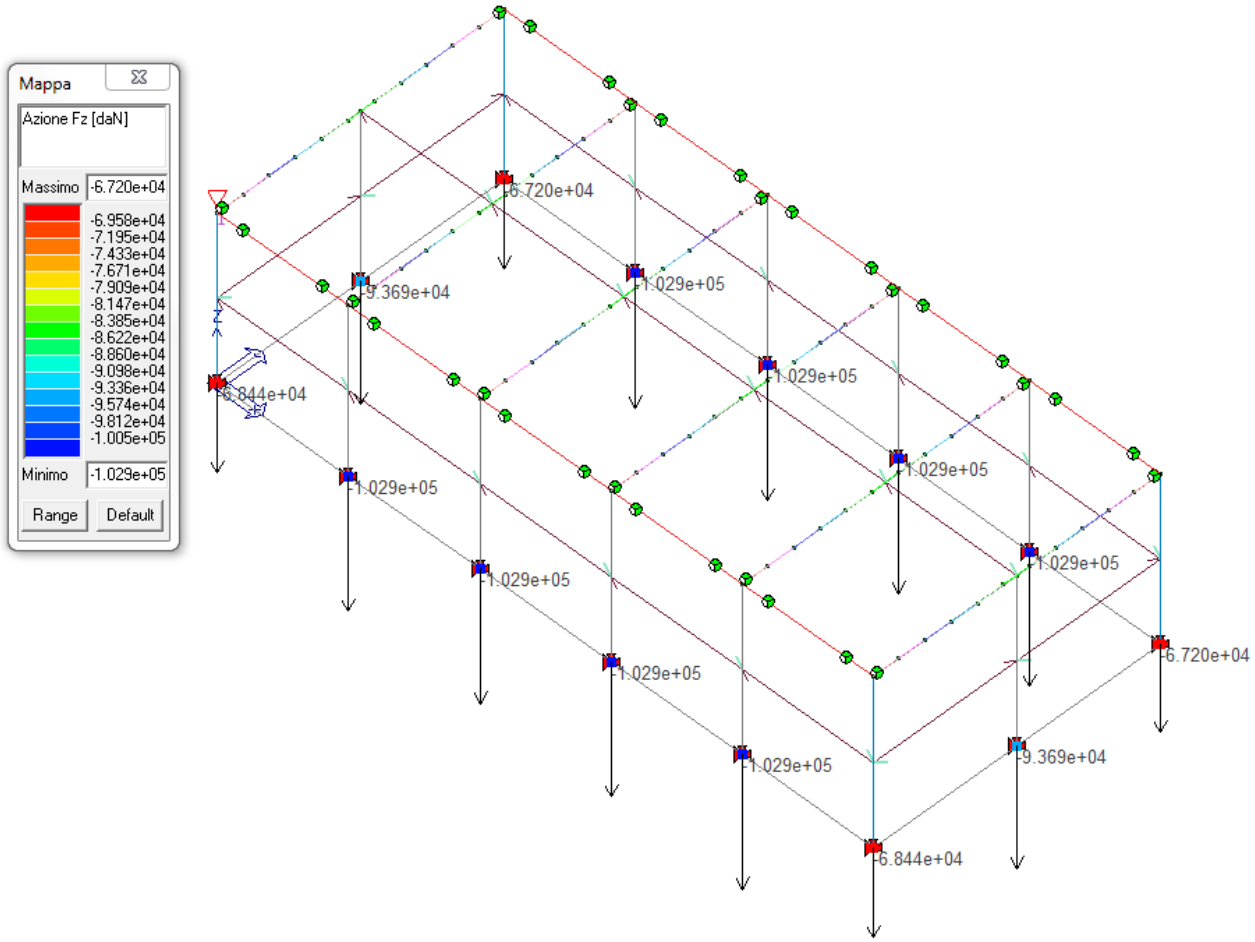
Azione massima 145900 daN

Azione massima combinazioni SLV sismiche (CMB 60)



Azione massima 98620 daN

Azione massima combinazioni SLE (rara) (CMB 116)



Azione massima 102900 daN

2.10.4 VERIFICHE ELEMENTI TRAVE C.A.

LEGENDA TABELLA VERIFICHE ELEMENTI TRAVE C.A.

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

Nel caso in cui si sia proceduto alla progettazione con il metodo degli stati limite 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 pilastro sono riportati numero e diametro dei ferri di vertice, numero e diametro di ferri disposti lungo i lati L1 (paralleli alla base della sezione) e lungo i lati L2 (paralleli all'altezza della sezione).

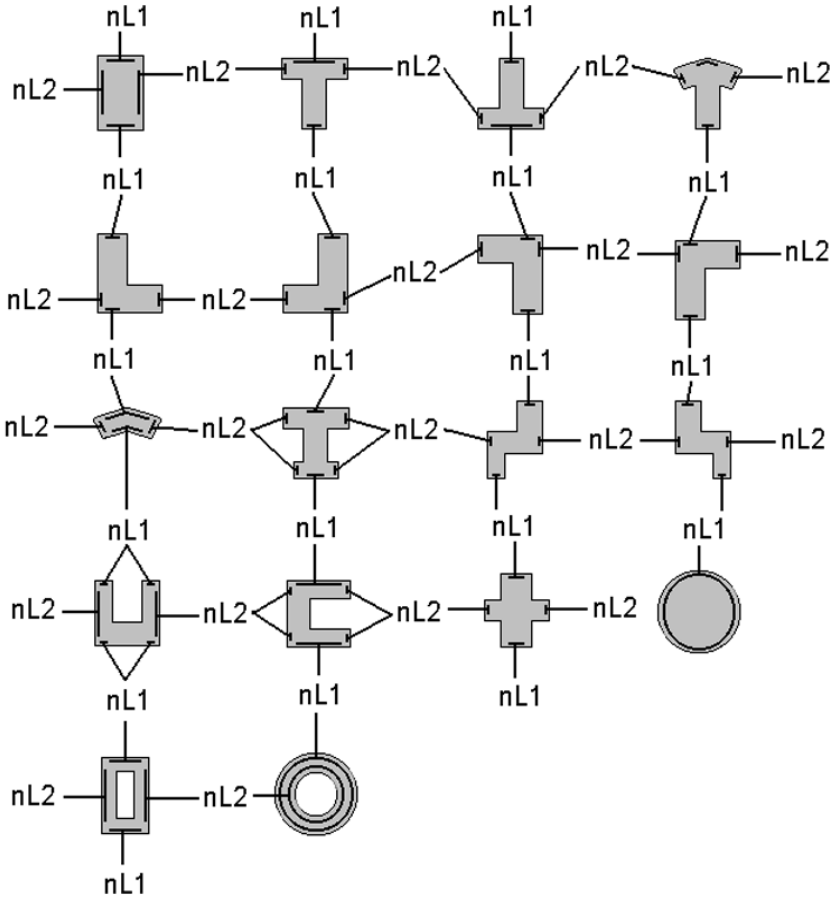
Per gli elementi tipo trave sono riportati infine le quantità di armatura inferiore e superiore.

I simboli utilizzati con il metodo degli stati limite assumono il seguente significato:

r. snell.	Rapporto λ su λ^*: valore superiore a 1 per elementi snelli, caso in cui viene effettuata la verifica con il metodo diretto dello stato di equilibrio
Verifica(verif.)	rapporto Sd/Su con sollecitazioni ultime proporzionali o a sforzo normale costante: valore minore o uguale a 1 per verifica positiva
ver.sis	rapporto Nd/Nu con Nu calcolato come al punto 7.4.4.2.2.1; valore minore o uguale a 1 per verifica positiva
ver.V/T	rapporto Sd/Su con sollecitazioni taglianti e torcenti proporzionali valore minore o uguale a 1 per verifica positiva
x/d	rapporto tra posizione dell'asse neutro e altezza utile alla rottura della sezione (per sola flessione)

Per gli elementi progettati secondo il criterio della gerarchia delle resistenze (pilastri e travi) si riporta una ulteriore tabella di seguito descritta:

M negativo i	Valore del momento resistente negativo (positivo) all' estremità iniziale i (finale f) della trave
V M-i M+f	Taglio generato dai momenti resistenti negativo i e positivo f (positivo i e negativo f)
V totale	Massimo valore assoluto ottenuto per combinazione del taglio isostatico e dei tagli concomitanti (p.to 7.4.4.1.1.)
Verif. V	Rapporto tra il taglio massimo e Vr1 (p.to 7.4.4.1.2.2);
Sovr. 2-2 i	Sovraresistenza del pilastro (come da formula 7.4.4). Rapporto tra i momenti resistenti delle travi e dei pilastri. Il valore del fattore rispettivamente per il momento 2-2 (3-3) alla base i ed alla sommità f del pilastro deve essere maggiore del gammaRd adottato
M 2-2 i	Valore del momento resistente rispettivamente per 2-2 (3-3) alla base i ed alla sommità f del pilastro (massimo momento in presenza dello sforzo normale di calcolo)
Luce per V	Luce di calcolo per la definizione del taglio (generato dai momenti resistenti)
V M2-2	Valore del taglio generato dai momenti resistenti 2-2 (3-3)



schema della distribuzione delle armature longitudinali

TABELLA VERIFICHE ELEMENTI TRAVE C.A.

					M_P= 1	**X=0.0**	**Y=0.0**				
Pilas.	Note	Stato	Quota cm	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe L=cm	v V/T cls	v V/T acc	Rif. cmb
1	s=2,m=7	ok,ok	0.0	1.48	0.81	4d24 6+6 d24	0.63	0.083+3d10/5	L=220	0.10	0.07	41,68,61,53
			650.0	1.48	0.81	4d24 6+6 d24	0.34	0.053+3d10/25	L=860	0.10	0.33	41,68,61,53
	[b=1.0;1.0]		1300.0	1.48	0.81	4d24 6+6 d24	0.01	0.023+3d10/5	L=220	0.11	0.07	6,68,61,53
					M_P= 2	**X=1000.0**	**Y=0.0**				
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe	v V/T cls	v V/T acc	Rif. cmb
2	s=1,m=7	ok,ok	0.0	2.15	1.07	4d24 8+8 d24	0.91	0.143+3d10/5	L=220	0.13	0.08	23,61,62,53
			650.0	1.72	1.07	4d24 6+6 d24	0.37	0.103+3d10/25	L=860	0.14	0.40	62,61,62,53
	[b=1.0;1.0]		1300.0	1.72	1.07	4d24 6+6 d24	0.16	0.073+3d10/5	L=220	0.14	0.08	2,61,62,53
					M_P= 3	**X=2000.0**	**Y=0.0**				
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe	v V/T cls	v V/T acc	Rif. cmb
3	s=1,m=7	ok,ok	0.0	2.15	1.07	4d24 8+8 d24	0.91	0.143+3d10/5	L=220	0.13	0.08	23,67,62,53
			650.0	1.72	1.07	4d24 6+6 d24	0.36	0.103+3d10/25	L=860	0.14	0.40	30,67,62,53
	[b=1.0;1.0]		1300.0	1.72	1.07	4d24 6+6 d24	0.16	0.073+3d10/5	L=220	0.14	0.08	2,67,62,53
					M_P= 4	**X=3000.0**	**Y=0.0**				
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe	v V/T cls	v V/T acc	Rif. cmb
4	s=1,m=7	ok,ok	0.0	2.15	1.07	4d24 8+8 d24	0.91	0.143+3d10/5	L=220	0.13	0.08	23,53,54,53
			650.0	1.72	1.07	4d24 6+6 d24	0.36	0.103+3d10/25	L=860	0.14	0.40	30,53,54,53
	[b=1.0;1.0]		1300.0	1.72	1.07	4d24 6+6 d24	0.16	0.073+3d10/5	L=220	0.14	0.08	2,53,54,53
					M_P= 5	**X=4000.0**	**Y=0.0**				
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe	v V/T cls	v V/T acc	Rif. cmb
5	s=1,m=7	ok,ok	0.0	2.15	1.07	4d24 8+8 d24	0.91	0.143+3d10/5	L=220	0.13	0.08	23,55,54,53
			650.0	1.72	1.07	4d24 6+6 d24	0.37	0.103+3d10/25	L=860	0.14	0.40	54,55,54,53
	[b=1.0;1.0]		1300.0	1.72	1.07	4d24 6+6 d24	0.16	0.073+3d10/5	L=220	0.14	0.08	2,55,54,53

					M_P= 6	**X=5000.0**	**Y=0.0**				
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe	v V/T cls	v V/T acc	Rif. cmb
6	s=2,m=7	ok,ok	0.0	1.48	0.81	4d24 6+6 d24	0.63	0.083+3d10/5	L=220	0.10	0.07	37,58,53,53
			650.0	1.48	0.81	4d24 6+6 d24	0.34	0.053+3d10/25	L=860	0.10	0.33	37,58,53,53
	[b=1.0;1.0]		1300.0	1.48	0.81	4d24 6+6 d24	0.01	0.023+3d10/5	L=220	0.11	0.07	14,58,53,53
					M_P= 7	**X=0.0**	**Y=1095.0**				
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe	v V/T cls	v V/T acc	Rif. cmb
7	s=1,m=7	ok,ok	0.0	2.15	1.00	4d24 8+8 d24	0.87	0.133+3d10/5	L=220	0.19	0.10	7,59,50,46
			650.0	1.72	1.00	4d24 6+6 d24	0.26	0.093+3d10/25	L=860	0.19	0.50	40,59,50,46
	[b=1.0;1.0]		1300.0	1.72	1.00	4d24 6+6 d24	0.78	0.053+3d10/5	L=220	0.20	0.10	66,59,50,46
					M_P= 8	**X=5000.0**	**Y=1095.0**				
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe	v V/T cls	v V/T acc	Rif. cmb
8	s=1,m=7	ok,ok	0.0	2.15	1.00	4d24 8+8 d24	0.87	0.133+3d10/5	L=220	0.19	0.10	15,67,40,37
			650.0	1.72	1.00	4d24 6+6 d24	0.26	0.093+3d10/25	L=860	0.19	0.50	50,67,40,37
	[b=1.0;1.0]		1300.0	1.72	1.00	4d24 6+6 d24	0.78	0.053+3d10/5	L=220	0.20	0.10	58,67,40,37
					M_P= 9	**X=0.0**	**Y=2190.0**				
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe	v V/T cls	v V/T acc	Rif. cmb
9	s=2,m=7	ok,ok	0.0	1.48	0.81	4d24 6+6 d24	0.63	0.083+3d10/5	L=220	0.10	0.07	52,65,68,53
			650.0	1.48	0.81	4d24 6+6 d24	0.34	0.053+3d10/25	L=860	0.10	0.33	52,65,68,53
	[b=1.0;1.0]		1300.0	1.48	0.81	4d24 6+6 d24	0.01	0.023+3d10/5	L=220	0.11	0.07	6,65,68,53
					M_P= 10	**X=1000.0**	**Y=2190.0**				
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe	v V/T cls	v V/T acc	Rif. cmb
10	s=1,m=7	ok,ok	0.0	2.15	1.07	4d24 8+8 d24	0.91	0.143+3d10/5	L=220	0.13	0.08	31,64,67,53
			650.0	1.72	1.07	4d24 6+6 d24	0.37	0.103+3d10/25	L=860	0.14	0.40	67,64,67,53
	[b=1.0;1.0]		1300.0	1.72	1.07	4d24 6+6 d24	0.16	0.073+3d10/5	L=220	0.14	0.08	22,64,67,53
					M_P= 11	**X=2000.0**	**Y=2190.0**				
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe	v V/T cls	v V/T acc	Rif. cmb
11	s=1,m=7	ok,ok	0.0	2.15	1.07	4d24 8+8 d24	0.91	0.143+3d10/5	L=220	0.13	0.08	31,68,67,53
			650.0	1.72	1.07	4d24 6+6 d24	0.36	0.103+3d10/25	L=860	0.14	0.40	22,68,67,53
	[b=1.0;1.0]		1300.0	1.72	1.07	4d24 6+6 d24	0.16	0.073+3d10/5	L=220	0.14	0.08	26,68,67,53
					M_P= 12	**X=3000.0**	**Y=2190.0**				
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe	v V/T cls	v V/T acc	Rif. cmb
12	s=1,m=7	ok,ok	0.0	2.15	1.07	4d24 8+8 d24	0.91	0.143+3d10/5	L=220	0.13	0.08	31,56,59,53
			650.0	1.72	1.07	4d24 6+6 d24	0.36	0.103+3d10/25	L=860	0.14	0.40	22,56,59,53
	[b=1.0;1.0]		1300.0	1.72	1.07	4d24 6+6 d24	0.16	0.073+3d10/5	L=220	0.14	0.08	26,56,59,53
					M_P= 13	**X=4000.0**	**Y=2190.0**				
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe	v V/T cls	v V/T acc	Rif. cmb
13	s=1,m=7	ok,ok	0.0	2.15	1.07	4d24 8+8 d24	0.91	0.143+3d10/5	L=220	0.13	0.08	31,60,59,53
			650.0	1.72	1.07	4d24 6+6 d24	0.37	0.103+3d10/25	L=860	0.14	0.40	59,60,59,53
	[b=1.0;1.0]		1300.0	1.72	1.07	4d24 6+6 d24	0.16	0.073+3d10/5	L=220	0.14	0.08	30,60,59,53
					M_P= 14	**X=5000.0**	**Y=2190.0**				
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe	v V/T cls	v V/T acc	Rif. cmb
14	s=2,m=7	ok,ok	0.0	1.48	0.81	4d24 6+6 d24	0.63	0.083+3d10/5	L=220	0.10	0.07	48,55,60,53
			650.0	1.48	0.81	4d24 6+6 d24	0.34	0.053+3d10/25	L=860	0.10	0.33	48,55,60,53
	[b=1.0;1.0]		1300.0	1.48	0.81	4d24 6+6 d24	0.01	0.023+3d10/5	L=220	0.11	0.07	14,55,60,53

Pilas.	**%Af**	**r. snell.**	**verif.**	**ver.sis**	**v V/T cls**	**v V/T acc**
	2.15	1.07	0.91	0.14	0.20	0.50

Pilas.	**sovr. Xi**	**sovr. Xf**	**sovr. Yi**	**sovr. Yf**	**M 2-2 i**	**M 2-2 f**	**M 3-3 i**	**M 3-3 f**	**Luce per V**	**V M2-2**	**V M3-3**
					daN cm	daN cm	daN cm	daN cm	cm	daN	daN
1	0.0	0.0	0.0	0.0	1.035e+07	8.831e+06	1.035e+07	8.831e+06	1299.50	1.752e+04	1.752e+04
2	0.0	0.0	0.0	0.0	1.253e+07	9.627e+06	1.054e+07	8.076e+06	1299.50	2.121e+04	1.784e+04
3	0.0	0.0	0.0	0.0	1.253e+07	9.627e+06	1.054e+07	8.076e+06	1299.50	2.121e+04	1.784e+04
4	0.0	0.0	0.0	0.0	1.253e+07	9.627e+06	1.054e+07	8.076e+06	1299.50	2.121e+04	1.784e+04
5	0.0	0.0	0.0	0.0	1.253e+07	9.627e+06	1.054e+07	8.076e+06	1299.50	2.121e+04	1.784e+04
6	0.0	0.0	0.0	0.0	1.035e+07	8.831e+06	1.035e+07	8.831e+06	1299.50	1.752e+04	1.752e+04
7	0.0	0.0	0.0	0.0	1.237e+07	9.328e+06	1.040e+07	7.826e+06	1300.00	2.093e+04	1.760e+04
8	0.0	0.0	0.0	0.0	1.237e+07	9.328e+06	1.040e+07	7.826e+06	1300.00	2.093e+04	1.760e+04
9	0.0	0.0	0.0	0.0	1.035e+07	8.831e+06	1.035e+07	8.831e+06	1299.50	1.752e+04	1.752e+04
10	0.0	0.0	0.0	0.0	1.253e+07	9.627e+06	1.054e+07	8.076e+06	1299.50	2.121e+04	1.784e+04
11	0.0	0.0	0.0	0.0	1.253e+07	9.627e+06	1.054e+07	8.076e+06	1299.50	2.121e+04	1.784e+04
12	0.0	0.0	0.0	0.0	1.253e+07	9.627e+06	1.054e+07	8.076e+06	1299.50	2.121e+04	1.784e+04
13	0.0	0.0	0.0	0.0	1.253e+07	9.627e+06	1.054e+07	8.076e+06	1299.50	2.121e+04	1.784e+04
14	0.0	0.0	0.0	0.0	1.035e+07	8.831e+06	1.035e+07	8.831e+06	1299.50	1.752e+04	1.752e+04

Pilas.	**M 2-2 i**	**M 2-2 f**	**M 3-3 i**	**M 3-3 f**	**V M2-2**	**V M3-3**
	1.253e+07	9.627e+06	1.054e+07	8.831e+06	2.121e+04	1.784e+04

Nodo	Stato	Pilas.	Diam st	l 7.4.29	n. br. 2	Bj2	Hjc2	n. br. 3	Bj3	Hjc3	V. 7.4.8	l 7.4.10	Rif. cmb
			mm	cm		cm	cm		cm	cm			
15		1	10	5.0	3	70.0		3	70.0				
16		2	10	5.0	3	70.0		3	60.0				
17		3	10	5.0	3	70.0		3	60.0				
18		4	10	5.0	3	70.0		3	60.0				
19		5	10	5.0	3	70.0		3	60.0				
20		6	10	5.0	3	70.0		3	70.0				
51		7	10	5.0	3	70.0		3	60.0				
52		8	10	5.0	3	70.0		3	60.0				
83		9	10	5.0	3	70.0		3	70.0				
84		10	10	5.0	3	70.0		3	60.0				
85		11	10	5.0	3	70.0		3	60.0				
86		12	10	5.0	3	70.0		3	60.0				
87		13	10	5.0	3	70.0		3	60.0				
88		14	10	5.0	3	70.0		3	70.0				

Nodo	l 7.4.29	V. 7.4.8	l 7.4.10
	5.00		

M_T= 1 Z=1300.0 P=1 P=6

Trave	Note	Pos. cm	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe L=cm	Rif. cmb
15	ok,ok	0.0	1.04	4.0	11.2	0.0	0.30	0.06	0.33	0.07	2d8/15 L=44	41,62,34
	s=9,m=7	500.0	1.04	4.0	11.2	0.0	0.07	0.61	0.25	0.0	2d8/30 L=846	13,68,34
		1000.0	1.04	4.0	11.2	0.0	0.07	0.06	0.33	0.07	2d8/15 L=44	41,62,34
16	ok,ok	0.0	1.04	4.0	11.2	0.0	0.07	0.03	0.19	0.07	2d8/15 L=44	41,54,34
	s=9,m=7	500.0	1.04	4.0	11.2	0.0	0.07	0.60	0.12	0.0	2d8/30 L=851	17,60,34
		1000.0	1.04	4.0	11.2	0.0	0.07	0.03	0.19	0.07	2d8/15 L=44	41,54,34
17	ok,ok	0.0	1.04	4.0	11.2	0.0	0.07	4.32e-03	0.19	0.07	2d8/15 L=44	5,68,34
	s=9,m=7	500.0	1.04	4.0	11.2	0.0	0.07	0.60	0.11	0.0	2d8/30 L=851	17,65,34
		1000.0	1.04	4.0	11.2	0.0	0.07	4.32e-03	0.19	0.07	2d8/15 L=44	5,68,34
18	ok,ok	0.0	1.04	4.0	11.2	0.0	0.07	0.03	0.19	0.07	2d8/15 L=44	44,68,34
	s=9,m=7	500.0	1.04	4.0	11.2	0.0	0.07	0.60	0.12	0.0	2d8/30 L=851	17,68,34
		1000.0	1.04	4.0	11.2	0.0	0.30	0.03	0.19	0.07	2d8/15 L=44	44,68,34
19	ok,ok	0.0	1.04	4.0	11.2	0.0	0.30	0.06	0.33	0.07	2d8/15 L=44	40,60,34
	s=9,m=7	500.0	1.04	4.0	11.2	0.0	0.07	0.61	0.25	0.0	2d8/30 L=846	5,60,34
		1000.0	1.04	4.0	11.2	0.0	0.07	0.06	0.33	0.07	2d8/15 L=44	40,60,34

M_T= 2 Z=1300.0 P=1 P=9

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
20	ok,ok	0.0	0.45	13.1	17.1	0.0	0.06	5.60e-03	0.21	0.28	2d8/15 L=160	30,6,30
	s=8,m=7	195.0	0.45	13.1	17.1	0.0	0.04	0.48	0.16	0.14	2d8/15 L=160	30,6,30
26	ok,ok	0.0	0.73	14.3	20.6	0.0	0.04	0.36	0.31	0.11	2d8/15 L=200	30,6,30
	s=7,m=7	200.0	0.73	14.3	20.6	0.0	0.04	0.48	0.20	0.05	2d8/15 L=200	30,6,61
32	ok,ok	0.0	0.85	17.1	26.1	0.0	0.03	0.34	0.18	0.04	2d8/15 L=200	30,6,65
	s=6,m=7	200.0	0.85	17.1	26.1	0.0	0.05	0.34	0.29	0.11	2d8/15 L=200	64,6,22
38	ok,ok	0.0	0.91	20.6	30.0	0.0	0.05	0.25	0.25	0.10	2d8/15 L=200	64,6,22
	s=5,m=7	200.0	0.91	20.6	30.0	0.0	0.05	0.17	0.35	0.18	2d8/15 L=200	64,6,22
44	ok,ok	0.0	0.93	20.6	33.2	0.0	0.04	0.15	0.31	0.16	2d8/15 L=200	64,6,22
	s=4,m=7	200.0	0.93	20.6	33.2	0.0	0.04	0.28	0.40	0.23	2d8/15 L=200	65,6,22
50	ok,ok	0.0	0.96	23.7	36.3	0.0	0.04	0.23	0.35	0.21	2d8/15 L=70	65,6,22
	s=3,m=7	100.0	0.96	23.7	36.3	0.0	0.04	0.30	0.39	0.24	2d8/15 L=70	22,6,22
56	ok,ok	0.0	0.96	23.7	36.3	0.0	0.04	0.30	0.39	0.24	2d8/15 L=70	30,6,30
	s=3,m=7	100.0	0.96	23.7	36.3	0.0	0.04	0.23	0.35	0.21	2d8/15 L=70	68,6,30
58	ok,ok	0.0	0.93	20.6	33.2	0.0	0.04	0.28	0.40	0.23	2d8/15 L=200	68,6,30
	s=4,m=7	200.0	0.93	20.6	33.2	0.0	0.04	0.15	0.31	0.16	2d8/15 L=200	61,6,30
64	ok,ok	0.0	0.91	20.6	30.0	0.0	0.05	0.17	0.35	0.18	2d8/15 L=200	61,6,30
	s=5,m=7	200.0	0.91	20.6	30.0	0.0	0.05	0.25	0.25	0.10	2d8/15 L=200	61,6,30
70	ok,ok	0.0	0.85	17.1	26.1	0.0	0.05	0.34	0.29	0.11	2d8/15 L=200	61,6,30
	s=6,m=7	200.0	0.85	17.1	26.1	0.0	0.03	0.34	0.18	0.04	2d8/15 L=200	22,6,68
76	ok,ok	0.0	0.73	14.3	20.6	0.0	0.04	0.48	0.20	0.05	2d8/15 L=200	22,6,64
	s=7,m=7	200.0	0.73	14.3	20.6	0.0	0.04	0.36	0.31	0.11	2d8/15 L=200	22,6,22
82	ok,ok	0.0	0.45	13.1	17.1	0.0	0.04	0.48	0.16	0.14	2d8/15 L=160	22,6,22
	s=8,m=7	195.0	0.45	13.1	17.1	0.0	0.04	5.60e-03	0.21	0.28	2d8/15 L=160	22,6,22

...

							M_T= 7	**Z=1300.0**	**P=6**	**P=14**	
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
25	ok,ok	0.0	0.45	13.1	17.1	0.0	0.06	5.60e-03	0.21	0.28	2d8/15 L=160 30,14,30
	s=8,m=7	195.0	0.45	13.1	17.1	0.0	0.04	0.48	0.16	0.14	2d8/15 L=160 30,14,30
31	ok,ok	0.0	0.73	14.3	20.6	0.0	0.04	0.36	0.31	0.11	2d8/15 L=200 30,14,30
	s=7,m=7	200.0	0.73	14.3	20.6	0.0	0.04	0.48	0.20	0.05	2d8/15 L=200 30,14,59
37	ok,ok	0.0	0.85	17.1	26.1	0.0	0.03	0.34	0.18	0.04	2d8/15 L=200 30,14,59
	s=6,m=7	200.0	0.85	17.1	26.1	0.0	0.05	0.34	0.29	0.11	2d8/15 L=200 58,14,22
43	ok,ok	0.0	0.91	20.6	30.0	0.0	0.05	0.25	0.25	0.10	2d8/15 L=200 58,14,22
	s=5,m=7	200.0	0.91	20.6	30.0	0.0	0.05	0.17	0.35	0.18	2d8/15 L=200 58,14,22
49	ok,ok	0.0	0.93	20.6	33.2	0.0	0.04	0.15	0.31	0.16	2d8/15 L=200 58,14,22
	s=4,m=7	200.0	0.93	20.6	33.2	0.0	0.04	0.28	0.40	0.23	2d8/15 L=200 55,14,22
51	ok,ok	0.0	0.96	23.7	36.3	0.0	0.04	0.23	0.35	0.21	2d8/15 L=70 59,14,22
	s=3,m=7	100.0	0.96	23.7	36.3	0.0	0.04	0.30	0.39	0.24	2d8/15 L=70 22,14,22
57	ok,ok	0.0	0.96	23.7	36.3	0.0	0.04	0.30	0.39	0.24	2d8/15 L=70 30,14,30
	s=3,m=7	100.0	0.96	23.7	36.3	0.0	0.04	0.23	0.35	0.21	2d8/15 L=70 58,14,30
63	ok,ok	0.0	0.93	20.6	33.2	0.0	0.04	0.28	0.40	0.23	2d8/15 L=200 58,14,30
	s=4,m=7	200.0	0.93	20.6	33.2	0.0	0.04	0.15	0.31	0.16	2d8/15 L=200 59,14,30
69	ok,ok	0.0	0.91	20.6	30.0	0.0	0.05	0.17	0.35	0.18	2d8/15 L=200 59,14,30
	s=5,m=7	200.0	0.91	20.6	30.0	0.0	0.05	0.25	0.25	0.10	2d8/15 L=200 59,14,30
75	ok,ok	0.0	0.85	17.1	26.1	0.0	0.05	0.34	0.29	0.11	2d8/15 L=200 59,14,30
	s=6,m=7	200.0	0.85	17.1	26.1	0.0	0.03	0.34	0.18	0.04	2d8/15 L=200 22,14,54
81	ok,ok	0.0	0.73	14.3	20.6	0.0	0.04	0.48	0.20	0.05	2d8/15 L=200 22,14,58
	s=7,m=7	200.0	0.73	14.3	20.6	0.0	0.04	0.36	0.31	0.11	2d8/15 L=200 22,14,22
87	ok,ok	0.0	0.45	13.1	17.1	0.0	0.04	0.48	0.16	0.14	2d8/15 L=160 22,14,22
	s=8,m=7	195.0	0.45	13.1	17.1	0.0	0.06	5.60e-03	0.21	0.28	2d8/15 L=160 22,14,22

							M_T= 8	**Z=1300.0**	**P=9**	**P=14**	
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
88	ok,ok	0.0	1.04	4.0	11.2	0.0	0.30	0.06	0.33	0.07	2d8/15 L=44 45,65,34
	s=9,m=7	500.0	1.04	4.0	11.2	0.0	0.07	0.61	0.25	0.0	2d8/30 L=846 13,65,34
		1000.0	1.04	4.0	11.2	0.0	0.30	0.06	0.33	0.07	2d8/15 L=44 45,65,34
89	ok,ok	0.0	1.04	4.0	11.2	0.0	0.30	0.03	0.19	0.07	2d8/15 L=44 49,57,34
	s=9,m=7	500.0	1.04	4.0	11.2	0.0	0.07	0.60	0.12	0.0	2d8/30 L=851 17,57,34
		1000.0	1.04	4.0	11.2	0.0	0.30	0.03	0.19	0.07	2d8/15 L=44 49,57,34
90	ok,ok	0.0	1.04	4.0	11.2	0.0	0.07	4.32e-03	0.19	0.07	2d8/15 L=44 5,59,34
	s=9,m=7	500.0	1.04	4.0	11.2	0.0	0.07	0.60	0.11	0.0	2d8/30 L=851 17,58,34
		1000.0	1.04	4.0	11.2	0.0	0.30	4.31e-03	0.19	0.07	2d8/15 L=44 5,59,34
91	ok,ok	0.0	1.04	4.0	11.2	0.0	0.30	0.03	0.19	0.07	2d8/15 L=44 48,63,34
	s=9,m=7	500.0	1.04	4.0	11.2	0.0	0.07	0.60	0.12	0.0	2d8/30 L=851 17,65,34
		1000.0	1.04	4.0	11.2	0.0	0.30	0.03	0.19	0.07	2d8/15 L=44 48,63,34
92	ok,ok	0.0	1.04	4.0	11.2	0.0	0.07	0.06	0.33	0.07	2d8/15 L=44 48,59,34
	s=9,m=7	500.0	1.04	4.0	11.2	0.0	0.07	0.61	0.25	0.0	2d8/30 L=846 5,53,34
		1000.0	1.04	4.0	11.2	0.0	0.30	0.06	0.33	0.07	2d8/15 L=44 48,59,34

2.10.5 STATI LIMITE D' ESERCIZIO

LEGENDA TABELLA 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**	**rRfyk**	**rPfck**	per sezioni significative
	wR	**wF**	**wP**	per sezioni significative
	dR	**dF**	**dP**	massimi in campata
setti e gusci	**rRfck**	**rRfyk**	**rPfck**	massimi nei nodi dell'elemento
	wR	**wF**	**wP**	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).

TABELLA STATI LIMITE D' ESERCIZIO

Pilas.	Pos.	rRfck	rRfyk	rPfck	Rif. cmb	Pos.	rRfck	rRfyk	rPfck	Rif. cmb
	cm					cm				
1	0.0	0.22	0.23	0.0	104,103,0	650.0	0.05	0.05	0.0	108,108,0
	1300.0	0.01	0.01	0.0	104,104,0					
2	0.0	0.51	0.71	0.0	112,111,0	650.0	0.17	0.17	0.0	116,116,0
	1300.0	0.04	0.04	0.0	112,112,0					
3	0.0	0.52	0.71	0.0	112,111,0	650.0	0.17	0.17	0.0	116,116,0
	1300.0	0.04	0.04	0.0	112,112,0					
4	0.0	0.52	0.71	0.0	112,111,0	650.0	0.17	0.17	0.0	116,116,0
	1300.0	0.04	0.04	0.0	112,112,0					
5	0.0	0.51	0.71	0.0	112,111,0	650.0	0.17	0.17	0.0	116,116,0
	1300.0	0.04	0.04	0.0	112,112,0					
6	0.0	0.22	0.23	0.0	108,107,0	650.0	0.05	0.05	0.0	104,104,0
	1300.0	0.01	0.01	0.0	108,108,0					
7	0.0	0.49	0.66	0.0	104,103,0	650.0	0.09	0.09	0.0	104,104,0
	1300.0	0.13	0.17	0.0	116,111,0					
8	0.0	0.49	0.66	0.0	108,107,0	650.0	0.09	0.09	0.0	108,108,0
	1300.0	0.13	0.17	0.0	116,111,0					
9	0.0	0.22	0.23	0.0	104,103,0	650.0	0.05	0.05	0.0	108,108,0
	1300.0	0.01	0.01	0.0	104,104,0					
10	0.0	0.51	0.71	0.0	116,115,0	650.0	0.17	0.17	0.0	112,112,0
	1300.0	0.04	0.04	0.0	116,116,0					
11	0.0	0.52	0.71	0.0	116,115,0	650.0	0.17	0.17	0.0	112,112,0
	1300.0	0.04	0.04	0.0	116,116,0					
12	0.0	0.52	0.71	0.0	116,115,0	650.0	0.17	0.17	0.0	112,112,0
	1300.0	0.04	0.04	0.0	116,116,0					
13	0.0	0.51	0.71	0.0	116,115,0	650.0	0.17	0.17	0.0	112,112,0
	1300.0	0.04	0.04	0.0	116,116,0					
14	0.0	0.22	0.23	0.0	108,107,0	650.0	0.05	0.05	0.0	104,104,0
	1300.0	0.01	0.01	0.0	108,108,0					

Pilas.		rRfck	rRfyk	rPfck			rRfck	rRfyk	rPfck	
		0.52	0.71	0.0						

Trave	Pos.	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb	dR	dF	dP	Rif. cmb
	cm					mm	mm	mm		cm	cm	cm	
15	0.0	6.92e-03	9.50e-03	0.0	103,107,0	0.0	0.0	0.0	0,0,0	-2.05	0.0	0.0	112,0,0
	500.0	0.11	0.57	0.0	103,107,0	0.12	0.0	0.0	107,0,0				
	1000.0	6.92e-03	9.50e-03	0.0	103,107,0	0.0	0.0	0.0	0,0,0				
16	0.0	4.82e-03	5.49e-03	0.0	103,103,0	0.0	0.0	0.0	0,0,0	-2.05	0.0	0.0	115,0,0
	500.0	0.10	0.56	0.0	103,109,0	0.12	0.0	0.0	109,0,0				
	1000.0	4.82e-03	5.49e-03	0.0	103,103,0	0.0	0.0	0.0	0,0,0				
17	0.0	2.73e-03	3.11e-03	0.0	103,103,0	0.0	0.0	0.0	0,0,0	-2.05	0.0	0.0	111,0,0
	500.0	0.10	0.56	0.0	103,109,0	0.12	0.0	0.0	109,0,0				
	1000.0	2.73e-03	3.11e-03	0.0	103,103,0	0.0	0.0	0.0	0,0,0				
18	0.0	4.82e-03	5.49e-03	0.0	107,107,0	0.0	0.0	0.0	0,0,0	-2.05	0.0	0.0	116,0,0
	500.0	0.10	0.56	0.0	107,109,0	0.12	0.0	0.0	109,0,0				
	1000.0	4.82e-03	5.49e-03	0.0	107,107,0	0.0	0.0	0.0	0,0,0				
19	0.0	6.92e-03	9.50e-03	0.0	107,103,0	0.0	0.0	0.0	0,0,0	-2.05	0.0	0.0	115,0,0
	500.0	0.11	0.57	0.0	107,103,0	0.12	0.0	0.0	103,0,0				
	1000.0	6.92e-03	9.50e-03	0.0	107,103,0	0.0	0.0	0.0	0,0,0				
20	0.0	1.35e-03	4.08e-03	0.0	111,116,0	0.0	0.0	0.0	0,0,0	-0.16	0.0	0.0	116,0,0
	195.0	0.09	0.40	0.0	116,116,0	0.0	0.0	0.0	0,0,0				
21	0.0	1.10e-03	1.25e-03	0.0	112,112,0	0.0	0.0	0.0	0,0,0	-3.27	0.0	0.0	102,0,0
	195.0	0.37	0.78	0.0	112,102,0	0.16	0.0	0.0	102,0,0				
22	0.0	1.10e-03	1.25e-03	0.0	116,116,0	0.0	0.0	0.0	0,0,0	-3.27	0.0	0.0	102,0,0
	195.0	0.37	0.78	0.0	116,102,0	0.16	0.0	0.0	102,0,0				
23	0.0	1.10e-03	1.25e-03	0.0	112,112,0	0.0	0.0	0.0	0,0,0	-3.27	0.0	0.0	102,0,0
	195.0	0.37	0.78	0.0	112,102,0	0.16	0.0	0.0	102,0,0				
24	0.0	1.10e-03	1.25e-03	0.0	112,112,0	0.0	0.0	0.0	0,0,0	-3.27	0.0	0.0	102,0,0
	195.0	0.37	0.78	0.0	116,102,0	0.16	0.0	0.0	102,0,0				
25	0.0	1.35e-03	4.08e-03	0.0	111,116,0	0.0	0.0	0.0	0,0,0	-0.16	0.0	0.0	116,0,0
	195.0	0.09	0.40	0.0	116,116,0	0.0	0.0	0.0	0,0,0				
26	0.0	0.06	0.29	0.0	116,116,0	0.0	0.0	0.0	0,0,0	-0.07	0.0	0.0	116,0,0
	200.0	0.08	0.39	0.0	116,116,0	0.0	0.0	0.0	0,0,0				
27	0.0	0.26	0.49	0.0	112,102,0	0.09	0.0	0.0	102,0,0	-2.13	0.0	0.0	102,0,0
	200.0	0.47	0.75	0.0	112,102,0	0.14	0.0	0.0	102,0,0				
28	0.0	0.26	0.49	0.0	112,102,0	0.09	0.0	0.0	102,0,0	-2.13	0.0	0.0	102,0,0
	200.0	0.47	0.75	0.0	112,102,0	0.14	0.0	0.0	102,0,0				
29	0.0	0.26	0.49	0.0	112,102,0	0.09	0.0	0.0	102,0,0	-2.13	0.0	0.0	102,0,0
	200.0	0.47	0.75	0.0	112,102,0	0.14	0.0	0.0	102,0,0				

Trave	Pos.	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb	dR	dF	dP	Rif. cmb
	cm					mm	mm	mm		cm	cm	cm	
30	0.0	0.26	0.49	0.0	112,102,0	0.09	0.0	0.0	102,0,0	-2.13	0.0	0.0	102,0,0
	200.0	0.47	0.75	0.0	112,102,0	0.14	0.0	0.0	102,0,0				
31	0.0	0.06	0.29	0.0	116,116,0	0.0	0.0	0.0	0,0,0	-0.07	0.0	0.0	116,0,0
	200.0	0.08	0.39	0.0	116,116,0	0.0	0.0	0.0	0,0,0				
32	0.0	0.06	0.28	0.0	116,116,0	0.0	0.0	0.0	0,0,0	0.02	0.0	0.0	112,0,0
	200.0	0.04	0.21	0.0	116,116,0	0.0	0.0	0.0	0,0,0				
33	0.0	0.35	0.59	0.0	112,102,0	0.11	0.0	0.0	102,0,0	-1.41	0.0	0.0	102,0,0
	200.0	0.46	0.73	0.0	112,102,0	0.13	0.0	0.0	102,0,0				
34	0.0	0.35	0.59	0.0	112,102,0	0.11	0.0	0.0	102,0,0	-1.41	0.0	0.0	102,0,0
	200.0	0.46	0.73	0.0	112,102,0	0.13	0.0	0.0	102,0,0				
35	0.0	0.35	0.59	0.0	112,102,0	0.11	0.0	0.0	102,0,0	-1.41	0.0	0.0	102,0,0
	200.0	0.46	0.73	0.0	112,102,0	0.13	0.0	0.0	102,0,0				
36	0.0	0.35	0.59	0.0	112,102,0	0.11	0.0	0.0	102,0,0	-1.41	0.0	0.0	102,0,0
	200.0	0.46	0.73	0.0	112,102,0	0.13	0.0	0.0	102,0,0				
37	0.0	0.06	0.28	0.0	116,116,0	0.0	0.0	0.0	0,0,0	0.02	0.0	0.0	112,0,0
	200.0	0.04	0.21	0.0	116,116,0	0.0	0.0	0.0	0,0,0				
38	0.0	0.03	0.15	0.0	116,116,0	0.0	0.0	0.0	0,0,0	0.06	0.0	0.0	116,0,0
	200.0	0.03	0.06	0.0	112,112,0	0.0	0.0	0.0	0,0,0				
39	0.0	0.37	0.65	0.0	112,102,0	0.12	0.0	0.0	102,0,0	-0.89	0.0	0.0	102,0,0
	200.0	0.43	0.76	0.0	112,102,0	0.14	0.0	0.0	102,0,0				
40	0.0	0.37	0.65	0.0	112,102,0	0.12	0.0	0.0	102,0,0	-0.89	0.0	0.0	102,0,0
	200.0	0.43	0.76	0.0	112,102,0	0.14	0.0	0.0	102,0,0				
41	0.0	0.37	0.65	0.0	112,102,0	0.12	0.0	0.0	102,0,0	-0.89	0.0	0.0	102,0,0
	200.0	0.43	0.76	0.0	112,102,0	0.14	0.0	0.0	102,0,0				
42	0.0	0.37	0.65	0.0	112,102,0	0.12	0.0	0.0	102,0,0	-0.89	0.0	0.0	102,0,0
	200.0	0.43	0.76	0.0	112,102,0	0.14	0.0	0.0	102,0,0				
43	0.0	0.03	0.15	0.0	116,116,0	0.0	0.0	0.0	0,0,0	0.06	0.0	0.0	116,0,0
	200.0	0.03	0.06	0.0	112,112,0	0.0	0.0	0.0	0,0,0				
44	0.0	0.02	0.05	0.0	112,112,0	0.0	0.0	0.0	0,0,0	0.06	0.0	0.0	116,0,0
	200.0	0.08	0.20	0.0	112,112,0	0.0	0.0	0.0	0,0,0				
45	0.0	0.36	0.70	0.0	112,102,0	0.13	0.0	0.0	102,0,0	-0.42	0.0	0.0	102,0,0
	200.0	0.38	0.75	0.0	112,102,0	0.14	0.0	0.0	102,0,0				
46	0.0	0.36	0.70	0.0	112,102,0	0.13	0.0	0.0	102,0,0	-0.42	0.0	0.0	102,0,0
	200.0	0.38	0.75	0.0	112,102,0	0.14	0.0	0.0	102,0,0				
47	0.0	0.36	0.70	0.0	112,102,0	0.13	0.0	0.0	102,0,0	-0.42	0.0	0.0	102,0,0
	200.0	0.38	0.75	0.0	112,102,0	0.14	0.0	0.0	102,0,0				
48	0.0	0.36	0.70	0.0	112,102,0	0.13	0.0	0.0	102,0,0	-0.42	0.0	0.0	102,0,0
	200.0	0.38	0.75	0.0	112,102,0	0.14	0.0	0.0	102,0,0				
49	0.0	0.02	0.05	0.0	112,112,0	0.0	0.0	0.0	0,0,0	0.06	0.0	0.0	116,0,0
	200.0	0.08	0.20	0.0	112,112,0	0.0	0.0	0.0	0,0,0				
50	0.0	0.07	0.16	0.0	112,112,0	0.0	0.0	0.0	0,0,0	0.02	0.0	0.0	116,0,0
	100.0	0.10	0.24	0.0	112,112,0	0.0	0.0	0.0	0,0,0				
51	0.0	0.07	0.16	0.0	112,112,0	0.0	0.0	0.0	0,0,0	0.02	0.0	0.0	116,0,0
	100.0	0.10	0.24	0.0	112,112,0	0.0	0.0	0.0	0,0,0				
52	0.0	0.33	0.76	0.0	112,102,0	0.14	0.0	0.0	102,0,0	-0.05	0.0	0.0	102,0,0
	200.0	0.33	0.76	0.0	112,102,0	0.14	0.0	0.0	102,0,0				
53	0.0	0.33	0.76	0.0	112,102,0	0.14	0.0	0.0	102,0,0	-0.05	0.0	0.0	102,0,0
	200.0	0.33	0.76	0.0	112,102,0	0.14	0.0	0.0	102,0,0				
54	0.0	0.33	0.76	0.0	112,102,0	0.14	0.0	0.0	102,0,0	-0.05	0.0	0.0	102,0,0
	200.0	0.33	0.76	0.0	112,102,0	0.14	0.0	0.0	102,0,0				
55	0.0	0.33	0.76	0.0	112,102,0	0.14	0.0	0.0	102,0,0	-0.05	0.0	0.0	102,0,0
	200.0	0.33	0.76	0.0	112,102,0	0.14	0.0	0.0	102,0,0				
56	0.0	0.10	0.24	0.0	116,116,0	0.0	0.0	0.0	0,0,0	-0.02	0.0	0.0	112,0,0
	100.0	0.07	0.16	0.0	116,116,0	0.0	0.0	0.0	0,0,0				
57	0.0	0.10	0.24	0.0	116,116,0	0.0	0.0	0.0	0,0,0	-0.02	0.0	0.0	112,0,0
	100.0	0.07	0.16	0.0	116,116,0	0.0	0.0	0.0	0,0,0				
58	0.0	0.08	0.20	0.0	116,116,0	0.0	0.0	0.0	0,0,0	-0.06	0.0	0.0	112,0,0
	200.0	0.02	0.05	0.0	116,116,0	0.0	0.0	0.0	0,0,0				
59	0.0	0.38	0.75	0.0	112,102,0	0.14	0.0	0.0	102,0,0	0.42	0.0	0.0	102,0,0
	200.0	0.36	0.70	0.0	112,102,0	0.13	0.0	0.0	102,0,0				
60	0.0	0.38	0.75	0.0	112,102,0	0.14	0.0	0.0	102,0,0	0.42	0.0	0.0	102,0,0
	200.0	0.36	0.70	0.0	112,102,0	0.13	0.0	0.0	102,0,0				
61	0.0	0.38	0.75	0.0	112,102,0	0.14	0.0	0.0	102,0,0	0.42	0.0	0.0	102,0,0
	200.0	0.36	0.70	0.0	112,102,0	0.13	0.0	0.0	102,0,0				
62	0.0	0.38	0.75	0.0	112,102,0	0.14	0.0	0.0	102,0,0	0.42	0.0	0.0	102,0,0
	200.0	0.36	0.70	0.0	112,102,0	0.13	0.0	0.0	102,0,0				
63	0.0	0.08	0.20	0.0	116,116,0	0.0	0.0	0.0	0,0,0	-0.06	0.0	0.0	112,0,0
	200.0	0.02	0.05	0.0	116,116,0	0.0	0.0	0.0	0,0,0				
64	0.0	0.03	0.06	0.0	116,116,0	0.0	0.0	0.0	0,0,0	-0.06	0.0	0.0	112,0,0
	200.0	0.03	0.15	0.0	112,112,0	0.0	0.0	0.0	0,0,0				
65	0.0	0.43	0.76	0.0	112,102,0	0.14	0.0	0.0	102,0,0	0.89	0.0	0.0	102,0,0
	200.0	0.37	0.65	0.0	112,102,0	0.12	0.0	0.0	102,0,0				
66	0.0	0.43	0.76	0.0	112,102,0	0.14	0.0	0.0	102,0,0	0.89	0.0	0.0	102,0,0
	200.0	0.37	0.65	0.0	112,102,0	0.12	0.0	0.0	102,0,0				

Trave	Pos.	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb	dR	dF	dP	Rif. cmb
	cm					mm	mm	mm		cm	cm	cm	
67	0.0	0.43	0.76	0.0	112,102,0	0.14	0.0	0.0	102,0,0	0.89	0.0	0.0	102,0,0
	200.0	0.37	0.65	0.0	112,102,0	0.12	0.0	0.0	102,0,0				
68	0.0	0.43	0.76	0.0	112,102,0	0.14	0.0	0.0	102,0,0	0.89	0.0	0.0	102,0,0
	200.0	0.37	0.65	0.0	112,102,0	0.12	0.0	0.0	102,0,0				
69	0.0	0.03	0.06	0.0	116,116,0	0.0	0.0	0.0	0,0,0	-0.06	0.0	0.0	112,0,0
	200.0	0.03	0.15	0.0	112,112,0	0.0	0.0	0.0	0,0,0				
70	0.0	0.04	0.21	0.0	112,112,0	0.0	0.0	0.0	0,0,0	-0.02	0.0	0.0	116,0,0
	200.0	0.06	0.28	0.0	112,112,0	0.0	0.0	0.0	0,0,0				
71	0.0	0.46	0.73	0.0	112,102,0	0.13	0.0	0.0	102,0,0	1.41	0.0	0.0	102,0,0
	200.0	0.35	0.59	0.0	112,102,0	0.11	0.0	0.0	102,0,0				
72	0.0	0.46	0.73	0.0	112,102,0	0.13	0.0	0.0	102,0,0	1.41	0.0	0.0	102,0,0
	200.0	0.35	0.59	0.0	112,102,0	0.11	0.0	0.0	102,0,0				
73	0.0	0.46	0.73	0.0	112,102,0	0.13	0.0	0.0	102,0,0	1.41	0.0	0.0	102,0,0
	200.0	0.35	0.59	0.0	112,102,0	0.11	0.0	0.0	102,0,0				
74	0.0	0.46	0.73	0.0	112,102,0	0.13	0.0	0.0	102,0,0	1.41	0.0	0.0	102,0,0
	200.0	0.35	0.59	0.0	112,102,0	0.11	0.0	0.0	102,0,0				
75	0.0	0.04	0.21	0.0	112,112,0	0.0	0.0	0.0	0,0,0	-0.02	0.0	0.0	116,0,0
	200.0	0.06	0.28	0.0	112,112,0	0.0	0.0	0.0	0,0,0				
76	0.0	0.08	0.39	0.0	112,112,0	0.0	0.0	0.0	0,0,0	0.07	0.0	0.0	112,0,0
	200.0	0.06	0.29	0.0	112,112,0	0.0	0.0	0.0	0,0,0				
77	0.0	0.47	0.75	0.0	112,102,0	0.14	0.0	0.0	102,0,0	2.13	0.0	0.0	102,0,0
	200.0	0.26	0.49	0.0	112,102,0	0.09	0.0	0.0	102,0,0				
78	0.0	0.47	0.75	0.0	112,102,0	0.14	0.0	0.0	102,0,0	2.13	0.0	0.0	102,0,0
	200.0	0.26	0.49	0.0	112,102,0	0.09	0.0	0.0	102,0,0				
79	0.0	0.47	0.75	0.0	112,102,0	0.14	0.0	0.0	102,0,0	2.13	0.0	0.0	102,0,0
	200.0	0.26	0.49	0.0	112,102,0	0.09	0.0	0.0	102,0,0				
80	0.0	0.47	0.75	0.0	112,102,0	0.14	0.0	0.0	102,0,0	2.13	0.0	0.0	102,0,0
	200.0	0.26	0.49	0.0	112,102,0	0.09	0.0	0.0	102,0,0				
81	0.0	0.08	0.39	0.0	112,112,0	0.0	0.0	0.0	0,0,0	0.07	0.0	0.0	112,0,0
	200.0	0.06	0.29	0.0	112,112,0	0.0	0.0	0.0	0,0,0				
82	0.0	0.09	0.40	0.0	112,112,0	0.0	0.0	0.0	0,0,0	0.16	0.0	0.0	112,0,0
	195.0	1.35e-03	4.08e-03	0.0	115,112,0	0.0	0.0	0.0	0,0,0				
83	0.0	0.37	0.78	0.0	116,102,0	0.16	0.0	0.0	102,0,0	3.27	0.0	0.0	102,0,0
	195.0	1.10e-03	1.25e-03	0.0	116,116,0	0.0	0.0	0.0	0,0,0				
84	0.0	0.37	0.78	0.0	116,102,0	0.16	0.0	0.0	102,0,0	3.27	0.0	0.0	102,0,0
	195.0	1.10e-03	1.25e-03	0.0	112,112,0	0.0	0.0	0.0	0,0,0				
85	0.0	0.37	0.78	0.0	116,102,0	0.16	0.0	0.0	102,0,0	3.27	0.0	0.0	102,0,0
	195.0	1.10e-03	1.25e-03	0.0	112,112,0	0.0	0.0	0.0	0,0,0				
86	0.0	0.37	0.78	0.0	116,102,0	0.16	0.0	0.0	102,0,0	3.27	0.0	0.0	102,0,0
	195.0	1.10e-03	1.25e-03	0.0	112,112,0	0.0	0.0	0.0	0,0,0				
87	0.0	0.09	0.40	0.0	112,112,0	0.0	0.0	0.0	0,0,0	0.16	0.0	0.0	112,0,0
	195.0	1.35e-03	4.08e-03	0.0	115,112,0	0.0	0.0	0.0	0,0,0				
88	0.0	6.92e-03	9.50e-03	0.0	103,107,0	0.0	0.0	0.0	0,0,0	-2.05	0.0	0.0	116,0,0
	500.0	0.11	0.57	0.0	103,107,0	0.12	0.0	0.0	107,0,0				
	1000.0	6.92e-03	9.50e-03	0.0	103,107,0	0.0	0.0	0.0	0,0,0				
89	0.0	4.82e-03	5.49e-03	0.0	103,103,0	0.0	0.0	0.0	0,0,0	-2.05	0.0	0.0	111,0,0
	500.0	0.10	0.56	0.0	103,109,0	0.12	0.0	0.0	109,0,0				
	1000.0	4.82e-03	5.49e-03	0.0	103,103,0	0.0	0.0	0.0	0,0,0				
90	0.0	2.73e-03	3.11e-03	0.0	103,103,0	0.0	0.0	0.0	0,0,0	-2.05	0.0	0.0	114,0,0
	500.0	0.10	0.56	0.0	103,109,0	0.12	0.0	0.0	109,0,0				
	1000.0	2.73e-03	3.11e-03	0.0	103,103,0	0.0	0.0	0.0	0,0,0				
91	0.0	4.82e-03	5.49e-03	0.0	107,107,0	0.0	0.0	0.0	0,0,0	-2.05	0.0	0.0	111,0,0
	500.0	0.10	0.56	0.0	107,109,0	0.12	0.0	0.0	109,0,0				
	1000.0	4.82e-03	5.49e-03	0.0	107,107,0	0.0	0.0	0.0	0,0,0				
92	0.0	6.92e-03	9.50e-03	0.0	107,103,0	0.0	0.0	0.0	0,0,0	-2.05	0.0	0.0	111,0,0
	500.0	0.11	0.57	0.0	107,103,0	0.12	0.0	0.0	103,0,0				
	1000.0	6.92e-03	9.50e-03	0.0	107,103,0	0.0	0.0	0.0	0,0,0				

Trave		rRfck	rRfyk	rPfck		wR	wF	wP		dR	dF	dP	
		0.47	0.78	0.0		0.16	0.0	0.0		3.27	0.0	0.0	

3. VASCHE PRETRATTAMENTI

Il comparto pretrattamenti può essere suddiviso in tre zone: grigliatura, dissabbiatura, e sedimentazione. Il modello di calcolo utilizzato è unico ma, per meglio rappresentare i risultati negli elementi strutturali, vengono di seguito suddivisi nei componenti delle tre zone.

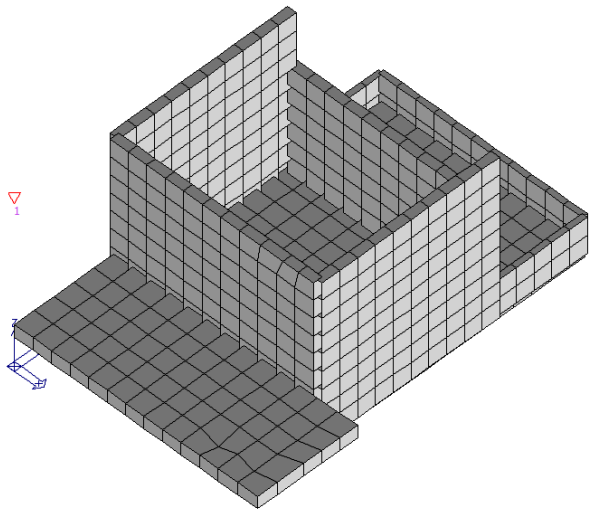
La zona grigliatura ha la vasca innesco sifone e sollevamento con dimensioni 10,9 m x 9,5 m h = 8,6 m, una platea di fondo di spessore 70 cm, pareti spese 50 cm e soletta di chiusura spessa 30 cm. La soletta è irrigidita da due travi ribassate trasversali di sezione 40 cm x 130 cm che hanno il compito di sostenere i canali di grigliatura superiori.

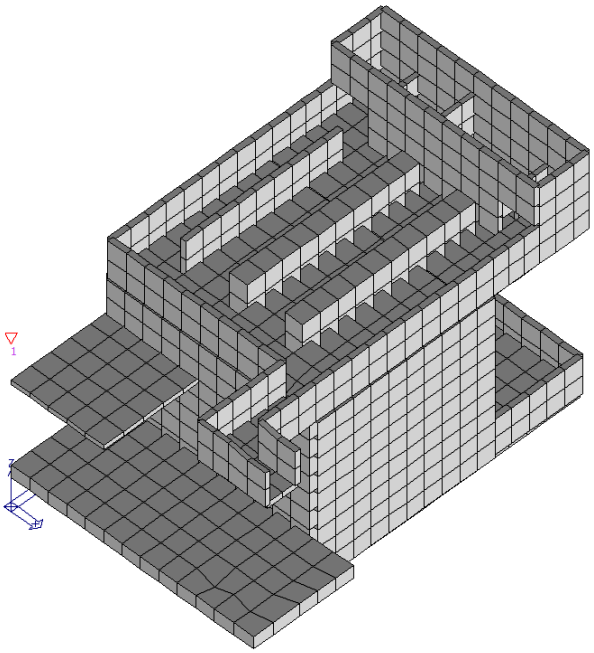
I 3 canali grigliatura hanno sezione 2,4 m x 1,9 m e sono affiancati da un canale di bypass di sezione 1,6 m x 1.9 m, le pareti hanno spessori vari (fungono da trave parete per il sostegno della soletta superiore). La soletta di copertura della grigliatura ha dimensioni 11,9 m x 15,8 m e spessore 25 cm, dovrà sopportare l'appoggio delle attrezzature.

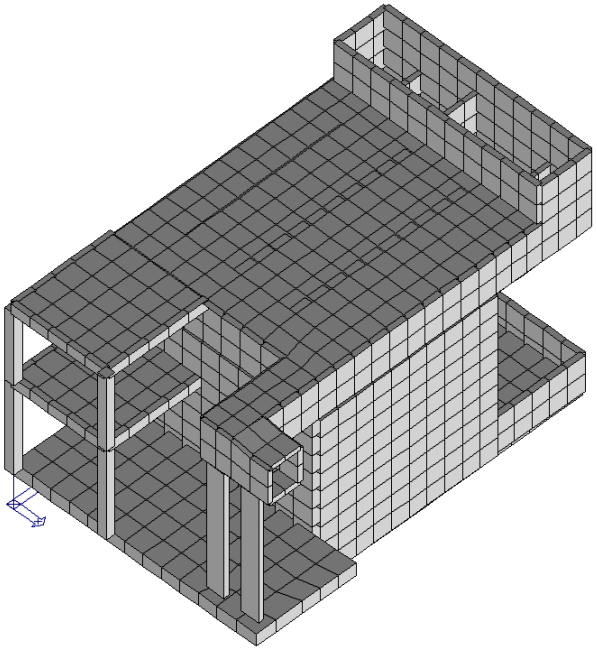
Il canale di arrivo in grigliatura, posto a sbalzo oltre la parete della vasca inferiore, ha soletta di fondo spessa 45 cm, pareti spesse 30 cm ed alte 4 m.

Vi sono poi due zone quadri con dimensioni 6 m x 5,6 m, realizzate con solette di spessore 25 cm sostenute da travi perimetrali ribassate di sezione 30 cm x 55 cm, a loro volta fisate alla parete della vasca e sostenute da pilastri di sezione 50 cm x 50 cm.

Di seguito si riportano alcune immagini del modello agli elementi finiti di questa zona.





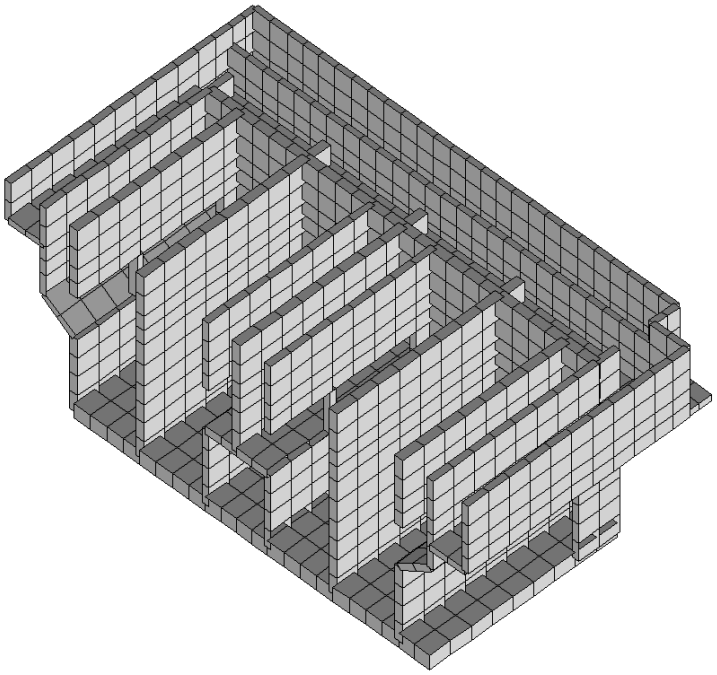


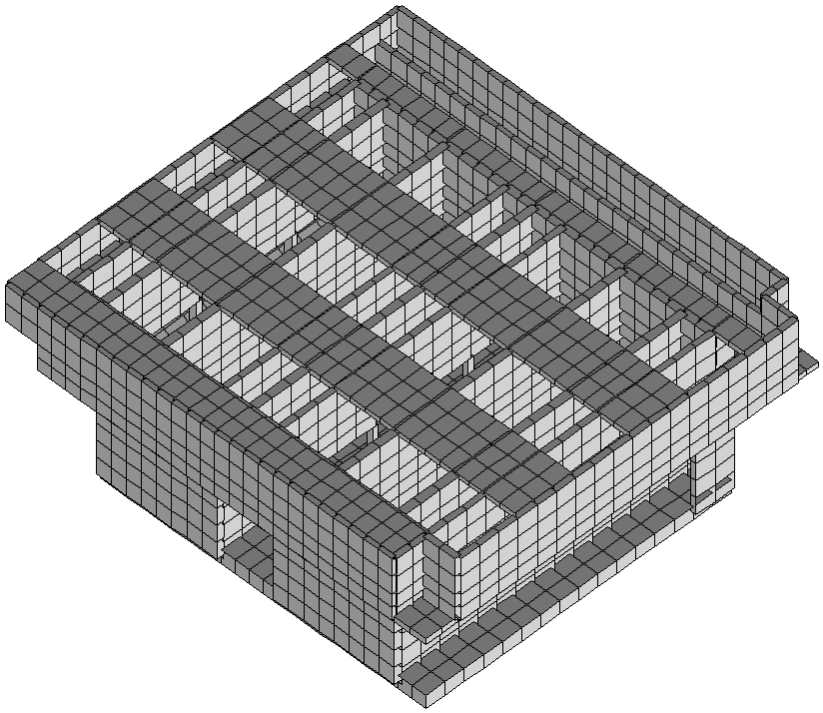
Le quattro 4 vasche di dissabbiatura hanno dimensione 5 m x 21 m h = 8,7 m, la platea ha spessore 70 cm, le pareti variamente inclinate e sagomate hanno spessori 30 cm e 40 cm.

La copertura delle vasche di dissabbiatura realizzata con 2 strisce di larghezza 3 m e 2 strisce di larghezza 2 m, alternate con coperture in PRFV removibili, hanno spessore 25 cm;

Sul perimetro delle vasche vi sono delle canalette con fondo di spessore 30 cm e pareti di spessore 25 cm.

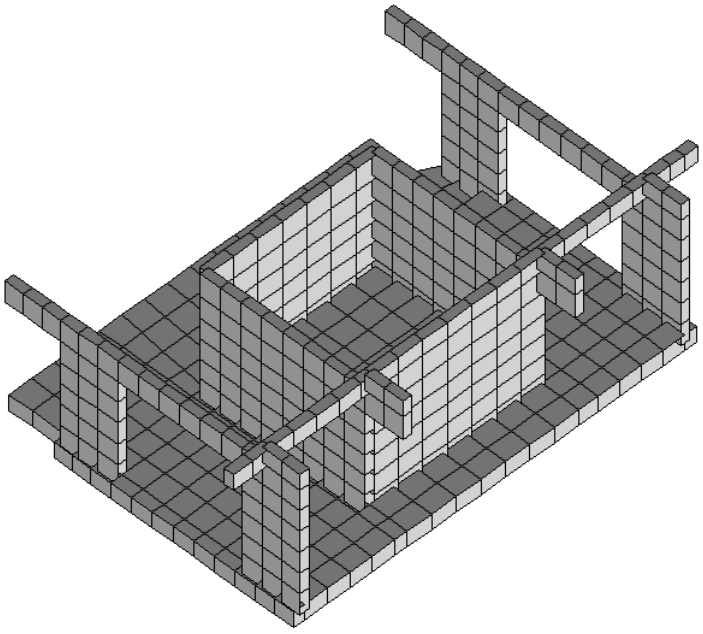
Di seguito si riportano alcune immagini del modello agli elementi finiti di questa zona.

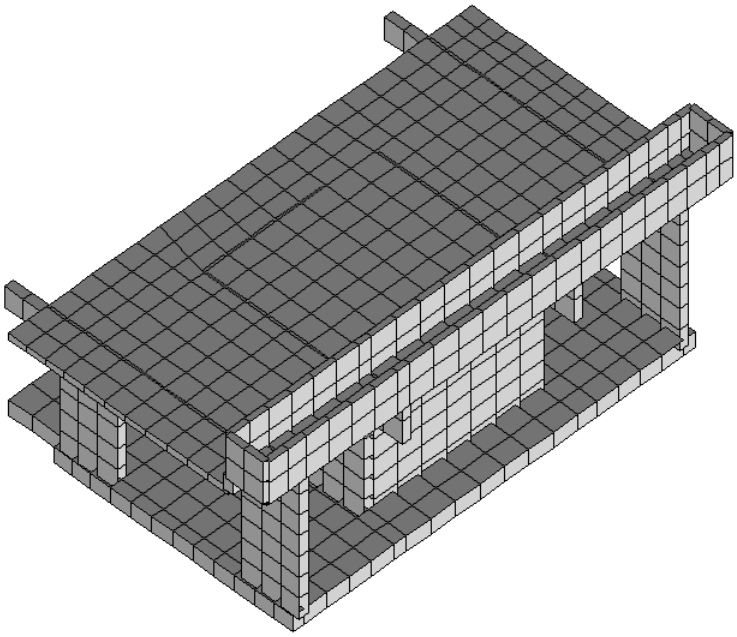




La zona sedimentazione ha la vasca fanghi primari ha dimensioni 7 m x 7,3 m h = 5 m, platea spessa 70 cm e pareti spesse 40 cm. La soletta sedimentatori ha dimensioni 9 m x 21 m, è posta sopra la vasca e sborda fino a raggiungere le pareti del fabbricato e la vasca dissabbiatura a fianco, ha spessore 30 ed è sostenuta da 4 setti posti vicino alle pareti longitudinali del fabbricato. All'estremo del comparo vi è una canaletta di raccolta, posta a quota superiore rispetto alla soletta precedente, realizzata con un fondo spesso 30 cm e pareti spesse 25 cm.

Di seguito si riportano alcune immagini del modello agli elementi finiti di questa zona.





Si riportano di seguito i tabulati relativi ai dati inseriti, ai principali risultati ottenuti ed alla progettazione degli elementi portanti.

3.1 DESCRIZIONE DELLA MODELLAZIONE

Tipo di analisi strutturale	
Statica lineare	SI
Statica non lineare	NO
Sismica statica lineare	NO
Sismica dinamica lineare	SI

Modellazione della geometria e proprietà meccaniche:	
nodi	5275
elementi D2 (per aste, travi, pilastri…)	66
elementi D3 (per pareti, platee, gusci…)	5267
elementi solaio	0
elementi solidi	0
Dimensione del modello strutturale [cm]:	
X min =	0.00
Xmax =	4739.00
Ymin =	0.00
Ymax =	2170.00
Zmin =	0.00
Zmax =	1320.00
Strutture verticali:	
Elementi di tipo asta	NO
Pilastri	SI
Pareti	SI
Setti (a comportamento membranale)	NO
Strutture non verticali:	
Elementi di tipo asta	NO
Travi	SI
Gusci	SI
Membrane	NO
Orizzontamenti:	
Solai con la proprietà piano rigido	NO
Solai senza la proprietà piano rigido	NO
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	NO
Fondazioni di tipo platea	SI

3.2 CARATTERISTICHE MATERIALI UTILIZZATI

LEGENDA TABELLA DATI MATERIALI

Il programma consente l'uso di materiali diversi. Sono previsti i seguenti tipi di materiale:

1	materiale tipo cemento armato
2	materiale tipo acciaio
3	materiale tipo muratura
4	materiale tipo legno
5	materiale tipo generico

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
Poisson	coefficiente di contrazione trasversale
G	modulo di elasticità tangenziale
Gamma	peso specifico
Alfa	coefficiente di dilatazione termica

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	***cemento armato***		
		Rck	resistenza caratteristica cubica
		Fctm	resistenza media a trazione semplice
2	***acciaio***		
		Ft	tensione di rottura a trazione
		Fy	tensione di snervamento
		Fd	resistenza di calcolo
		Fdt	resistenza di calcolo per spess. t>40 mm
		Sadm	tensione ammissibile
		Sadmt	tensione ammissibile per spess. t>40 mm

TABELLA DATI MATERIALI

Id	Tipo / Note		Young	Poisson	G	Gamma	Alfa
		daN/cm2	daN/cm2		daN/cm2	daN/cm3	
4	Calcestruzzo Classe C32/40		3.360e+05	0.20	1.400e+05	2.50e-03	1.00e-05
	Rck	400.0					
	fctm	31.0					

Di seguito si riportano i dati di progettazione degli elementi in calcestruzzo armato, il criterio 3 è riferito alla canaletta mentre il criterio 1 è riferito a platea e pareti della vasca.

Pareti c.a.	**1/7**	**2/**	**3**	**4**	**5**	**6**
Generalità						
Progetto armatura	Composto con parete sismica	Composto con parete sismica	Composto con parete sismica	Composto con parete sismica	Composto con parete sismica	Composto con parete sismica
	Composto con parete sismica					
Armatura						
Inclinazione Av [gradi]	90.00	90.00	90.00	90.00	90.00	90.00
	90.00					
Angolo Av-Ao [gradi]	90.00	90.00	90.00	90.00	90.00	90.00
	90.00					
Minima tesa	0.10	0.25	0.10	0.10	0.10	0.10
	0.10					
Massima tesa	4.00	4.00	4.00	4.00	4.00	4.00
	4.00					
Maglia unica centrale	No	No	No	No	No	No
	No					
Unico strato verticale	No	No	No	No	No	No
	No					
Unico strato orizzontale	No	No	No	No	No	No
	No					
Copriferro [cm]	4.00	2.00	4.00	4.00	4.00	4.00
	4.00					
Maglia V						
diametro	18	10	16	12	14	12
	12					
passo	20	25	20	20	20	20
	20					
diametro aggiuntivi	18	12	16	12	14	12
	12					
Maglia O						
diametro	14	8	14	10	12	10
	10					
passo	20	25	20	20	20	20
	20					
diametro aggiuntivi	14	8	14	10	12	10
	10					
Stati limite ultimi						
Tensione fy [daN/cm2]	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					
Coefficiente gamma s	1.30	1.15	1.30	1.30	1.30	1.30
	1.30					
Coefficiente gamma c	1.50	1.50	1.50	1.50	1.50	1.50
	1.50					
Fattore di confidenza FC	0.0	0.0	0.0	0.0	0.0	0.0
	0.0					
Verifiche con N costante	Si	Si	Si	Si	Si	Si
	Si					
Parete sismica						
Fattore amplificazione taglio V	1.50	1.50	1.50	1.50	1.50	1.50
	1.50					
Hcrit. par. 7.4.4.5.1 [cm]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0					
Hcrit. par. 7.4.6.1.4 [cm]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0					
Usa diagramma di fig. 7.4.2	Si	No	Si	Si	Si	Si
	Si					
Vincolo lati	nessun lato	nessun lato	nessun lato	nessun lato	nessun lato	nessun lato
	nessun lato					
Verifica come fascia	No	No	No	No	No	No
	No					
Diametro di estremità	0	0	0	0	0	0
	0					
Zona confinata						
Minima tesa	1.00	1.00	1.00	1.00	1.00	1.00
	1.00					
Massima tesa	4.00	4.00	4.00	4.00	4.00	4.00

Pareti c.a.	1/7	2/	3	4	5	6
	4.00					
Distanza barre [cm]	2.00	2.00	2.00	2.00	2.00	2.00
	2.00					
Interferro	2	2	2	2	2	2
	2					
Armatura inclinata						
Area barre [cm2]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0					
Angolo orizzontale [gradi]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0					
Distanza di base [cm]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0					

Gusci c.a.	1/7	2	3	4	5	6
Armatura						
Inclinazione Ax [gradi]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0					
Angolo Ax-Ay [gradi]	90.00	90.00	90.00	90.00	90.00	90.00
	90.00					
Minima tesa	0.20	0.20	0.31	0.20	0.15	0.10
	0.20					
Massima tesa	0.78	1.50	0.78	0.78	0.78	0.78
	0.78					
Maglia unica centrale	No	No	No	No	No	No
	No					
Copriferro [cm]	4.00	4.00	2.00	4.00	4.00	4.00
	4.00					
Maglia x						
diametro	16	20	10	14	14	12
	16					
passo	20	20	20	20	20	20
	20					
diametro aggiuntivi	16	20	12	14	14	12
	16					
Maglia y						
diametro	16	20	10	14	12	12
	16					
passo	20	20	20	20	20	20
	20					
diametro aggiuntivi	16	20	12	14	12	12
	16					
Stati limite ultimi						
Tensione fy [daN/cm2]	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					
Coefficiente gamma s	1.30	1.30	1.15	1.30	1.30	1.30
	1.30					
Coefficiente gamma c	1.50	1.50	1.50	1.50	1.50	1.50
	1.50					
Fattore di confidenza FC	0.0	0.0	0.0	0.0	0.0	0.0
	0.0					
Verifiche con N costante	Si	Si	Si	Si	Si	Si
	Si					
Applica SLU da DIN	No	No	No	No	No	No
	No					

Per limitare la fessurazione nelle pareti e nelle solette si applica all'acciaio d'armatura un $\gamma s = 1{,}30$ per ridurre la tensione di snervamento da utilizzare nel progetto delle armature ed aumentare conseguentemente l'area di acciaio adottata.

Travi c.a.	1/7	2	3	4	5	6
Generalità						
Progetta a filo	No	No	No	No	No	No
	No					
Af inf: da q*L*L /	0.0	0.0	0.0	0.0	0.0	0.0
	0.0					
Armatura						
Minima tesa	0.31	0.20	0.31	0.31	0.31	0.31
	0.31					
Minima compressa	0.31	0.20	0.31	0.31	0.31	0.31
	0.31					
Massima tesa	0.88	0.78	1.50	0.78	0.78	0.78
	0.78					
Da sezione	Si	Si	Si	Si	Si	Si
	Si					
Usa armatura teorica	No	No	No	No	No	No
	No					
Stati limite ultimi						
Tensione fy [daN/cm2]	4500.00	4500.00	4500.00	4500.00	4500.00	4500.00
	4500.00					
Tensione fy staffe [daN/cm2]	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					
Coefficiente gamma s	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					
Fattore di confidenza FC	0.0	0.0	0.0	0.0	0.0	0.0
	0.0					
Verifiche con N costante	Si	Si	Si	Si	Si	Si
	Si					
Fattore di ridistribuzione	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					
Incrudimento acciaio	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					
epsilon max,s	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					
epsilon c2	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
	0.0					
Staffe						
Diametro staffe	0.0	0.0	0.0	0.0	0.0	0.0
	0.0					
Passo minimo [cm]	4.00	5.00	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					
Passo raffittito [cm]	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					
Ctg(Teta) Max	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					
Luce di taglio per GR [cm]	1.00	1.00	0.0	1.00	1.00	1.00
	1.00					
Adotta scorrimento medio	No	No	No	No	No	No
	No					
Torsione non essenziale inclusa	Si	Si	Si	Si	Si	Si
	Si					

Pilastri c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Progetto armatura	Privilegia lati	Privilegia lati	Privilegia lati	Privilegia lati	Privilegia lati	Privilegia lati
	Privilegia lati					
Progetta a filo	No	No	No	No	No	No
	No					
Effetti del 2 ordine	Si	Si	Si	Si	Si	Si
	Si					
Beta per 2-2	1.00	1.00	1.00	1.00	1.00	1.00
	1.00					
Beta per 3-3	1.00	1.00	1.00	1.00	1.00	1.00
	1.00					
Armatura						
Massima tesa	4.00	4.00	4.00	4.00	4.00	4.00
	4.00					
Minima tesa	1.00	1.00	1.00	1.00	1.00	1.00
	1.00					
Stati limite ultimi						
Tensione fy [daN/cm2]	4500.00	4500.00	4500.00	4500.00	4500.00	4500.00
	4500.00					
Tensione fy staffe [daN/cm2]	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					
Coefficiente gamma s	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					
Fattore di confidenza FC	0.0	0.0	0.0	0.0	0.0	0.0
	0.0					
Verifiche con N costante	Si	Si	Si	Si	Si	Si
	Si					
Modello per il confinamento						
Relazione tensio-deformativa	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					
Fattore lambda	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					
epsilon cu2	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					
epsilon cy	0.0	0.0	0.0	0.0	0.0	0.0
	0.0					
Staffe						
Diametro staffe	0.0	0.0	0.0	0.0	0.0	0.0
	0.0					
Passo minimo [cm]	5.00	5.00	5.00	5.00	5.00	5.00
	5.00					
Passo massimo [cm]	25.00	25.00	25.00	25.00	25.00	25.00
	25.00					
Passo raffittito [cm]	15.00	15.00	15.00	15.00	15.00	15.00
	15.00					
Lunghezza zona raffittita [cm]	45.00	45.00	45.00	45.00	45.00	45.00
	45.00					
Ctg(Teta) Max	2.50	2.50	2.50	2.50	2.50	2.50
	2.50					
Luce di taglio per GR [cm]	1.00	1.00	0.0	1.00	1.00	1.00
	1.00					
Massimizza gerarchia	Si	Si	Si	Si	Si	Si
	Si					

3.3 MODELLAZIONE DELLE SEZIONI

LEGENDA TABELLA DATI SEZIONI

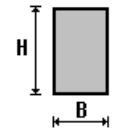
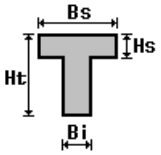
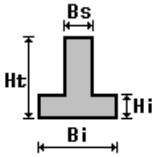
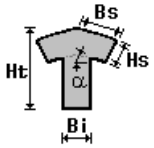
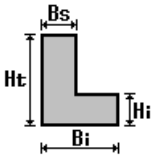
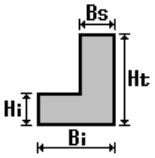
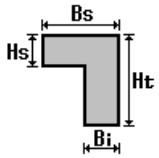
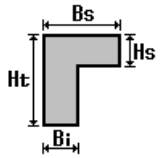
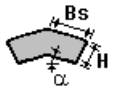
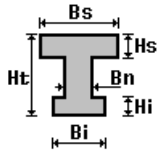
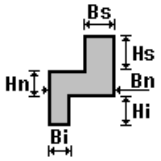
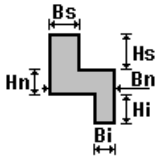
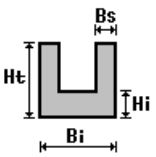
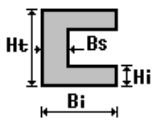
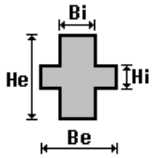
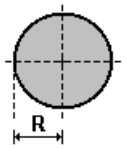
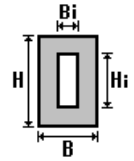
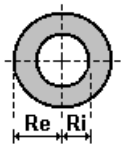
Il programma consente l'uso di sezioni diverse. Sono previsti i seguenti tipi di sezione:

1 sezione di tipo generico
2 profilati semplici
3 profilati accoppiati e speciali

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 soprariportati 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 rovescia	 a L rovescia	 a L di colmo	 a doppio T	 a quattro specchiata	 a quattro
 a U	 a C	 a croce	 circolare	 rettangolare cava	 circolare cava

Per quanto concerne i profilati semplici ed accoppiati l'asse 2 del riferimento coincide con l'asse x riportato nei più diffusi profilari.

Per quanto concerne le sezioni di tipo generico (tipo 1.):
i valori dimensionali con prefisso B sono riferiti all'asse 2
i valori dimensionali con prefisso H sono riferiti all'asse 3

TABELLA DATI SEZIONI

Id	Tipo	Area	A V2	A V3	Jt	J 2-2	J 3-3	W 2-2	W 3-3	Wp 2-2	Wp 3-3
		cm2	cm2	cm2	cm4	cm4	cm4	cm3	cm3	cm3	cm3
1	trave 40x130	5200	4333	4333	2.236e+06	6.933e+05	7.323e+06	3.467e+04	1.127e+05	5.200e+04	1.690e+05
2	pilastri 50x50	2500	2083	2083	8.785e+05	5.208e+05	5.208e+05	2.083e+04	2.083e+04	3.125e+04	3.125e+04
3	travi 30x55	1650	1375	1375	3.249e+05	1.238e+05	4.159e+05	8250.00	1.512e+04	1.238e+04	2.269e+04
4	pilastri 30x100	3000	2500	2500	7.299e+05	2.250e+05	2.500e+06	1.500e+04	5.000e+04	2.250e+04	7.500e+04
5	pilastrini 30x40	1200	1000	1000	1.946e+05	9.000e+04	1.600e+05	6000.00	8000.00	9000.00	1.200e+04
6	pilastrini 30x30	900	750	750	1.139e+05	6.750e+04	6.750e+04	4500.00	4500.00	6750.00	6750.00

3.4 MODELLAZIONE DELLE AZIONI

LEGENDA TABELLA DATI AZIONI

Il programma consente l'uso di diverse tipologie di carico (azioni). Le azioni utilizzate nella modellazione sono individuate da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni azione applicata alla struttura viene di riportato il codice, il tipo e la sigla identificativa. Le tabelle successive dettagliano i valori caratteristici di ogni azione in relazione al tipo. Le tabelle riportano infatti i seguenti dati in relazione al tipo:

1	**carico concentrato nodale** 6 dati (forza Fx, Fy, Fz, momento Mx, My, Mz)
2	**spostamento nodale impresso** 6 dati (spostamento Tx,Ty,Tz, rotazione Rx,Ry,Rz)
3	**carico distribuito globale su elemento tipo trave** 7 dati (fx,fy,fz,mx,my,mz,ascissa di inizio carico) 7 dati (fx,fy,fz,mx,my,mz,ascissa di fine carico)
4	**carico distribuito locale su elemento tipo trave** 7 dati (f1,f2,f3,m1,m2,m3,ascissa di inizio carico) 7 dati (f1,f2,f3,m1,m2,m3,ascissa di fine carico)
5	**carico concentrato globale su elemento tipo trave** 7 dati (Fx,Fy,Fz,Mx,My,Mz,ascissa di carico)
6	**carico concentrato locale su elemento tipo trave** 7 dati (F1, F2, F3, M1, M2, M3, ascissa di carico)
7	**variazione termica applicata ad elemento tipo trave** 7 dati (variazioni termiche: uniforme, media e differenza in altezza e larghezza al nodo iniziale e finale)
8	**carico di pressione uniforme su elemento tipo piastra** 1 dato (pressione)
9	**carico di pressione variabile su elemento tipo piastra** 4 dati (pressione, quota, pressione, quota)
10	**variazione termica applicata ad elemento tipo piastra** 2 dati (variazioni termiche: media e differenza nello spessore)
11	**carico variabile generale su elementi tipo trave e piastra** 1 dato descrizione della tipologia 4 dati per segmento (posizione, valore, posizione, valore) la tipologia precisa l'ascissa di definizione, la direzione del carico, la modalità di carico e la larghezza d'influenza per gli elementi tipo trave
12	**gruppo di carichi con impronta su piastra** 9 dati (numero di ripetizioni in direzione X e Y, valore di ciascun carico, posizione centrale del primo, dimensioni dell' impronta, interasse tra i carichi

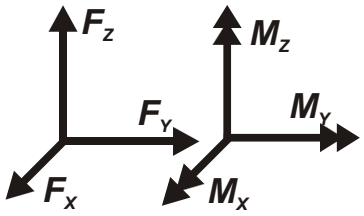
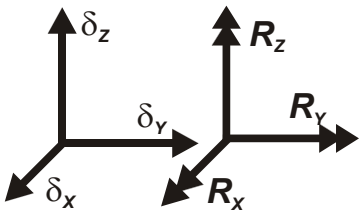
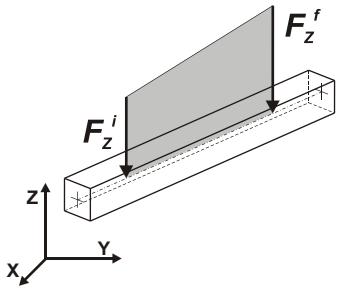
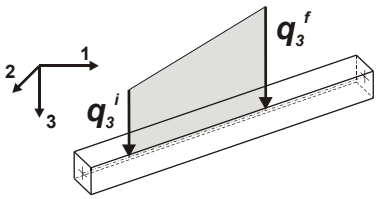
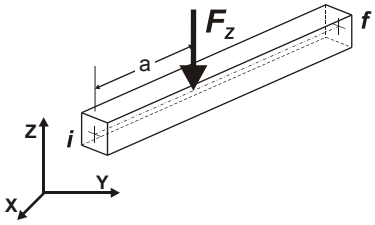
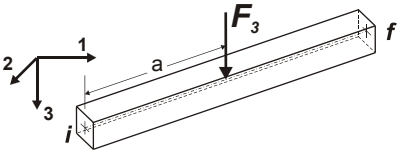
 Carico concentrato nodale	 Spostamento impresso
 Carico distribuito globale	 Carico distribuito locale
 Carico concentrato globale	 Carico concentrato locale

TABELLA DATI AZIONI

Tipo	carico variabile generale

Id	Tipo	ascissa	valore	ascissa	valore
		cm	daN/cm2	cm	daN/cm2
1	Carico sommità 500 daN/m²				
	X - X Qz Area L2=0.0	-1000.00	-0.05	6000.00	-0.05
2	Carico quadri 500 daN/m²				
	X - X Qz Area L2=0.0	-1000.00	-0.05	6000.00	-0.05
3	Carico sedimentatori 1000 daN/m²				
	X - X Qz Area L2=0.0	-1000.00	-0.10	6000.00	-0.10
4	Carico pavimento 1000 daN/m²				
	X - X Qz Area L2=0.0	-1000.00	-0.10	6000.00	-0.10
5	Riempimento vasca fanghi				
	Y - Y Qz Area L2=0.0	890.00	0.0	1490.00	-0.32
6	Riempimento vasca dissabbiatura				
	Y - Y Qz Area L2=0.0	470.00	-0.40	1880.00	-0.40
7	Riempimento canalette				
	X - X Qz Area L2=0.0	500.00	-0.20	4000.00	-0.20
8	Pressione fondo vasca sifone 5800 daN/m²				
	X - X Qz Pres. L2=0.0	0.0	-0.58	1500.00	-0.58
9	Pressione parete vasca sifone +x				
	Z - Z Qx Pres. L2=0.0	0.0	0.58	550.00	0.0
10	Pressione parete vasca sifone -x				
	Z - Z Qx Pres. L2=0.0	0.0	-0.58	550.00	0.0
11	Pressione parete vasca sifone +y				
	Z - Z Qy Pres. L2=0.0	0.0	0.58	550.00	0.0
12	Pressione parete vasca sifone -y				
	Z - Z Qy Pres. L2=0.0	0.0	-0.58	550.00	0.0
13	Sisma parete vasca sifone +x				
	Z - Z Qx Pres. L2=0.0	0.0	0.47	550.00	0.07
14	Sisma parete vasca sifone -x				
	Z - Z Qx Pres. L2=0.0	0.0	-0.47	550.00	-0.07
15	Sisma parete vasca sifone +y				

Id	Tipo	ascissa	valore	ascissa	valore
	Z - Z Qy Pres. L2=0.0	0.0	0.47	550.00	0.07
16	Sisma parete vasca sifone -y				
	Z - Z Qy Pres. L2=0.0	0.0	-0.47	550.00	-0.07
17	Pressione fondo grigliatura 1600 daN/m²				
	X - X Qz Pres. L2=0.0	0.0	-0.16	1500.00	-0.16
18	Pressione parete grigliatura +x				
	Z - Z Qx Pres. L2=0.0	900.00	0.16	1050.00	0.0
19	Pressione parete grigliatura -x				
	Z - Z Qx Pres. L2=0.0	900.00	-0.16	1050.00	0.0
20	Pressione parete grigliatura +y				
	Z - Z Qy Pres. L2=0.0	900.00	0.16	1050.00	0.0
21	Pressione parete grigliatura -y				
	Z - Z Qy Pres. L2=0.0	900.00	-0.16	1050.00	0.0
22	Sisma parete grigliatura +x				
	Z - Z Qx Pres. L2=0.0	900.00	0.10	1050.00	0.02
23	Sisma parete grigliatura -x				
	Z - Z Qx Pres. L2=0.0	900.00	-0.10	1050.00	-0.02
24	Sisma parete grigliatura +y				
	Z - Z Qy Pres. L2=0.0	900.00	0.10	1050.00	0.02
25	Sisma parete grigliatura -y				
	Z - Z Qy Pres. L2=0.0	900.00	-0.10	1050.00	-0.02
26	Pressione fondo vasca fanghi 4700 daN/m²				
	X - X Qz Pres. L2=0.0	2500.00	-0.47	5000.00	-0.47
27	Pressione parete fanghi +x				
	Z - Z Qx Pres. L2=0.0	200.00	0.47	650.00	0.0
28	Pressione parete fanghi -x				
	Z - Z Qx Pres. L2=0.0	200.00	-0.47	650.00	0.0
29	Pressione parete fanghi +y				
	Z - Z Qy Pres. L2=0.0	200.00	0.47	650.00	0.0
30	Pressione parete fanghi -y				
	Z - Z Qy Pres. L2=0.0	200.00	-0.47	650.00	0.0
31	Sisma parete fanghi +x				
	Z - Z Qx Pres. L2=0.0	200.00	0.27	650.00	0.04
32	Sisma parete fanghi -x				
	Z - Z Qx Pres. L2=0.0	200.00	-0.27	650.00	-0.04
33	Sisma parete fanghi +y				
	Z - Z Qy Pres. L2=0.0	200.00	0.27	650.00	0.04
34	Sisma parete fanghi -y				
	Z - Z Qy Pres. L2=0.0	200.00	-0.27	650.00	-0.04
35	Pressione fondo canaletta uscita 1600 daN/m²				
	X - X Qz Pres. L2=0.0	4500.00	-0.16	5500.00	-0.16
36	Pressione parete canaletta terminale +x				
	Z - Z Qx Pres. L2=0.0	830.00	0.16	980.00	0.0
37	Pressione parete canaletta terminale -x				
	Z - Z Qx Pres. L2=0.0	830.00	-0.16	980.00	0.0
38	Pressione parete canaletta terminale +y				
	Z - Z Qy Pres. L2=0.0	830.00	0.16	980.00	0.0
39	Pressione parete canaletta terminale -y				
	Z - Z Qy Pres. L2=0.0	830.00	-0.16	980.00	0.0
40	Sisma parete canaletta terminale +x				
	Z - Z Qx Pres. L2=0.0	830.00	0.09	980.00	0.01
41	Sisma parete canaletta terminale -x				
	Z - Z Qx Pres. L2=0.0	830.00	-0.09	980.00	-0.01
42	Sisma parete canaletta terminale +y				
	Z - Z Qy Pres. L2=0.0	830.00	0.09	980.00	0.01
43	Sisma parete canaletta terminale -y				
	Z - Z Qy Pres. L2=0.0	830.00	-0.09	980.00	-0.01
44	Pressione fondo dissabbiatura				
	Y - Y Qz Pres. L2=0.0	260.00	-0.84	470.00	-0.84
		470.00	-0.64	1880.00	-0.64
45	Pressione parete dissabbiatura +x				
	Z - Z Qx Pres. L2=0.0	200.00	0.84	1000.00	0.0
46	Pressione parete dissabbiatura -x				
	Z - Z Qx Pres. L2=0.0	200.00	-0.84	1000.00	0.0
47	Pressione parete dissabbiatura +y				
	Z - Z Qy Pres. L2=0.0	200.00	0.84	1000.00	0.0
48	Pressione parete dissabbiatura -y				
	Z - Z Qy Pres. L2=0.0	200.00	-0.84	1000.00	0.0
49	Sisma parete dissabbiatura +x				
	Z - Z Qx Pres. L2=0.0	200.00	0.54	1000.00	0.07
50	Sisma parete dissabbiatura -x				
	Z - Z Qx Pres. L2=0.0	200.00	-0.54	1000.00	-0.07
51	Sisma parete dissabbiatura +y				

Id	Tipo	ascissa	valore	ascissa	valore
	Z - Z Qy Pres. L2=0.0	200.00	0.54	1000.00	0.07
52	Sisma parete dissabbiatura -y				
	Z - Z Qy Pres. L2=0.0	200.00	-0.54	1000.00	-0.07
53	Pressione tunnel dissabbiatura				
	Z - Z Qz Pres. L2=0.0	200.00	-0.84	1000.00	0.0
54	Riempimento canalette alte				
	X - X Qz Area L2=0.0	500.00	-0.10	4000.00	-0.10
55	Pressione fondo canalette 1600 daN/m²				
	X - X Qz Pres. L2=0.0	500.00	-0.16	4000.00	-0.16
56	Pressione parete canalette +x				
	Z - Z Qx Pres. L2=0.0	850.00	0.16	1000.00	0.0
57	Pressione parete canalette -x				
	Z - Z Qx Pres. L2=0.0	850.00	-0.16	1000.00	0.0
58	Pressione parete canalette +y				
	Z - Z Qy Pres. L2=0.0	850.00	0.16	1000.00	0.0
59	Pressione parete canalette -y				
	Z - Z Qy Pres. L2=0.0	850.00	-0.16	1000.00	0.0
60	Sisma parete canalette +x				
	Z - Z Qx Pres. L2=0.0	850.00	0.09	1000.00	0.01
61	Sisma parete canalette -x				
	Z - Z Qx Pres. L2=0.0	850.00	-0.09	1000.00	-0.01
62	Sisma parete canalette +y				
	Z - Z Qy Pres. L2=0.0	850.00	0.09	1000.00	0.01
63	Sisma parete canalette -y				
	Z - Z Qy Pres. L2=0.0	850.00	-0.09	1000.00	-0.01

I carichi applicati sono descritti nella relazione generale sulle strutture.

3.5 SCHEMATIZZAZIONE DEI CASI DI CARICO

LEGENDA TABELLA CASI DI CARICO

Il programma consente l'applicazione di diverse tipologie di casi di carico.

Sono previsti i seguenti 11 tipi di casi di carico:

	Sigla	*Tipo*	*Descrizione*
1	**Ggk**	A	caso di carico comprensivo del peso proprio struttura
2	**Gk**	NA	caso di carico con azioni permanenti
3	**Qk**	NA	caso di carico con azioni variabili
4	**Gsk**	A	caso di carico comprensivo dei carichi permanenti sui solai e sulle coperture
5	**Qsk**	A	caso di carico comprensivo dei carichi variabili sui solai
6	**Qnk**	A	caso di carico comprensivo dei carichi di neve sulle coperture
7	**Qtk**	SA	caso di carico comprensivo di una variazione termica agente sulla struttura
8	**Qvk**	NA	caso di carico comprensivo di azioni da vento sulla struttura
9	**Esk**	SA	caso di carico sismico con analisi statica equivalente
10	**Edk**	SA	caso di carico sismico con analisi dinamica
11	**Pk**	NA	caso di carico comprensivo di azioni derivanti da coazioni, cedimenti e precompressioni

Sono di tipo automatico A (ossia non prevedono introduzione dati da parte dell'utente) i seguenti casi di carico: 1-Ggk; 4-Gsk; 5-Qsk; 6-Qnk.

Sono di tipo semi-automatico SA (ossia prevedono una minima introduzione dati da parte dell'utente) i seguenti casi di carico:

7-Qtk, in quanto richiede solo il valore della variazione termica;

9-Esk e 10-Edk, in quanto richiedono il valore dell'angolo di ingresso del sisma e l'individuazione dei casi di carico partecipanti alla definizione delle masse.

Sono di tipo non automatico NA ossia prevedono la diretta applicazione di carichi generici agli elementi strutturali (si veda il precedente punto Modellazione delle Azioni) i restanti casi di carico.

Nella tabella successiva vengono riportati i casi di carico agenti sulla struttura, con l'indicazione dei dati relativi al caso di carico stesso:

Numero Tipo e *Sigla identificativa*, *Valore di riferimento* del caso di carico (se previsto).

In successione, per i casi di carico non automatici, viene riportato l'elenco di nodi ed elementi direttamente caricati con la sigla identificativa del carico.

Per i casi di carico di tipo sismico (9-Esk e 10-Edk), viene riportata la tabella di definizione delle masse: per ogni caso di carico partecipante alla definizione delle masse viene indicata la relativa aliquota (partecipazione) considerata. Si precisa che per i caso di carico 5-Qsk e 6-Qnk la partecipazione è prevista localmente per ogni elemento solaio o copertura presente nel modello (si confronti il valore Sksol nel capitolo relativo agli elementi solaio) e pertanto la loro partecipazione è di norma pari a uno.

TABELLA CASI DI CARICO

CDC	Tipo	Sigla Id	Note
1	Ggk	CDC=Ggk (peso proprio della struttura)	
2	Gk	CDC=G1k (permanente riempimenti cls)	D3 :da 343 a 346 Azione : Riempimento vasca dissabbiatura
			D3 :da 347 a 350 Azione : Riempimento vasca dissabbiatura
			D3 :da 355 a 358 Azione : Riempimento vasca dissabbiatura
			D3 :da 359 a 362 Azione : Riempimento vasca dissabbiatura
			D3 :da 392 a 395 Azione : Riempimento vasca dissabbiatura
			D3 :da 396 a 399 Azione : Riempimento vasca dissabbiatura
			D3 :da 404 a 407 Azione : Riempimento vasca dissabbiatura
			D3 :da 408 a 411 Azione : Riempimento vasca dissabbiatura
			D3 :da 441 a 444 Azione : Riempimento vasca dissabbiatura
			D3 :da 445 a 448 Azione : Riempimento vasca dissabbiatura
			D3 :da 453 a 456 Azione : Riempimento vasca dissabbiatura
			D3 :da 457 a 460 Azione : Riempimento vasca dissabbiatura
			D3 :da 477 a 480 Azione : Riempimento vasca dissabbiatura
			D3 :da 481 a 484 Azione : Riempimento vasca dissabbiatura
			D3 :da 489 a 492 Azione : Riempimento vasca dissabbiatura
			D3 :da 493 a 496 Azione : Riempimento vasca dissabbiatura
			D3 :da 527 a 530 Azione : Riempimento vasca dissabbiatura
			D3 :da 531 a 534 Azione : Riempimento vasca dissabbiatura
			D3 :da 539 a 542 Azione : Riempimento vasca dissabbiatura
			D3 :da 543 a 546 Azione : Riempimento vasca dissabbiatura
			D3 :da 549 a 556 Azione : Riempimento vasca fanghi
			D3 :da 563 a 566 Azione : Riempimento vasca dissabbiatura
			D3 :da 567 a 570 Azione : Riempimento vasca dissabbiatura
			D3 :da 575 a 578 Azione : Riempimento vasca dissabbiatura
			D3 :da 579 a 582 Azione : Riempimento vasca dissabbiatura
			D3 :da 585 a 592 Azione : Riempimento vasca fanghi
			D3 :da 599 a 602 Azione : Riempimento vasca dissabbiatura
			D3 :da 603 a 606 Azione : Riempimento vasca dissabbiatura
			D3 :da 611 a 614 Azione : Riempimento vasca dissabbiatura
			D3 :da 615 a 618 Azione : Riempimento vasca dissabbiatura
			D3 :da 621 a 628 Azione : Riempimento vasca fanghi
			D3 :da 635 a 638 Azione : Riempimento vasca dissabbiatura
			D3 :da 639 a 642 Azione : Riempimento vasca dissabbiatura
			D3 :da 647 a 650 Azione : Riempimento vasca dissabbiatura
			D3 :da 651 a 654 Azione : Riempimento vasca dissabbiatura
			D3 :da 657 a 664 Azione : Riempimento vasca fanghi
			D3 :da 671 a 674 Azione : Riempimento vasca dissabbiatura
			D3 :da 675 a 678 Azione : Riempimento vasca dissabbiatura
			D3 :da 683 a 686 Azione : Riempimento vasca dissabbiatura
			D3 :da 687 a 690 Azione : Riempimento vasca dissabbiatura
			D3 :da 693 a 700 Azione : Riempimento vasca fanghi
			D3 :da 707 a 710 Azione : Riempimento vasca dissabbiatura
			D3 :da 711 a 714 Azione : Riempimento vasca dissabbiatura
			D3 :da 719 a 722 Azione : Riempimento vasca dissabbiatura
			D3 :da 723 a 726 Azione : Riempimento vasca dissabbiatura
			D3 :da 729 a 732 Azione : Riempimento vasca dissabbiatura
			D3 :da 733 a 736 Azione : Riempimento vasca dissabbiatura
			D3 :da 741 a 744 Azione : Riempimento vasca dissabbiatura
			D3 :da 745 a 748 Azione : Riempimento vasca dissabbiatura
			D3 :da 755 a 762 Azione : Riempimento vasca fanghi
			D3 :da 765 a 768 Azione : Riempimento vasca dissabbiatura
			D3 :da 769 a 772 Azione : Riempimento vasca dissabbiatura
			D3 :da 777 a 780 Azione : Riempimento vasca dissabbiatura
			D3 :da 781 a 784 Azione : Riempimento vasca dissabbiatura
			D3 :da 791 a 798 Azione : Riempimento vasca fanghi
			D3 :da 801 a 804 Azione : Riempimento vasca dissabbiatura
			D3 :da 805 a 808 Azione : Riempimento vasca dissabbiatura
			D3 :da 813 a 816 Azione : Riempimento vasca dissabbiatura
			D3 :da 817 a 820 Azione : Riempimento vasca dissabbiatura
			D3 :da 849 a 852 Azione : Riempimento vasca dissabbiatura
			D3 :da 853 a 856 Azione : Riempimento vasca dissabbiatura
			D3 :da 861 a 864 Azione : Riempimento vasca dissabbiatura
			D3 :da 865 a 868 Azione : Riempimento vasca dissabbiatura
			D3 :da 887 a 890 Azione : Riempimento vasca dissabbiatura
			D3 :da 891 a 894 Azione : Riempimento vasca dissabbiatura
			D3 :da 899 a 902 Azione : Riempimento vasca dissabbiatura
			D3 :da 903 a 906 Azione : Riempimento vasca dissabbiatura
			D3 :da 925 a 928 Azione : Riempimento vasca dissabbiatura
			D3 :da 929 a 932 Azione : Riempimento vasca dissabbiatura

CDC	Tipo	Sigla Id	Note
			D3 :da 937 a 940 Azione : Riempimento vasca dissabbiatura
			D3 :da 941 a 944 Azione : Riempimento vasca dissabbiatura
			D3 :da 2454 a 2477 Azione : Riempimento canalette alte
			D3 :da 2491 a 2514 Azione : Riempimento canalette alte
			D3 :da 2528 a 2529 Azione : Riempimento canalette
			D3 :da 2541 a 2542 Azione : Riempimento canalette
			D3 :da 2554 a 2555 Azione : Riempimento canalette
			D3 :da 2567 a 2568 Azione : Riempimento canalette
			D3 :da 2591 a 2592 Azione : Riempimento canalette
			D3 :da 2604 a 2605 Azione : Riempimento canalette
			D3 :da 2617 a 2618 Azione : Riempimento canalette
			D3 :da 2630 a 2631 Azione : Riempimento canalette
			D3 :da 2643 a 2644 Azione : Riempimento canalette
			D3 :da 2656 a 2659 Azione : Riempimento canalette
			D3 :da 2671 a 2672 Azione : Riempimento canalette
			D3 :da 2684 a 2685 Azione : Riempimento canalette
			D3 :da 2697 a 2698 Azione : Riempimento canalette
			D3 :da 2710 a 2711 Azione : Riempimento canalette
			D3 :da 2723 a 2724 Azione : Riempimento canalette
			D3 :da 2736 a 2763 Azione : Riempimento canalette
			D3 :da 2775 a 2802 Azione : Riempimento canalette
			D3 :da 2814 a 2839 Azione : Riempimento canalette alte
			D3 :da 2853 a 2878 Azione : Riempimento canalette alte
3	Qk	CDC=Qk (variabile sommità vasche)	D3 :da 2158 a 2182 Azione : Carico quadri 500 daN/m²
			D3 :da 4779 a 5030 Azione : Carico sommità 500 daN/m²
			D3 :da 5031 a 5035 Azione : Carico quadri 500 daN/m²
			D3 :da 5036 a 5037 Azione : Carico sommità 500 daN/m²
			D3 :da 5038 a 5042 Azione : Carico quadri 500 daN/m²
			D3 :da 5043 a 5044 Azione : Carico sommità 500 daN/m²
			D3 :da 5045 a 5049 Azione : Carico quadri 500 daN/m²
			D3 :da 5050 a 5051 Azione : Carico sommità 500 daN/m²
			D3 :da 5052 a 5056 Azione : Carico quadri 500 daN/m²
			D3 :da 5057 a 5058 Azione : Carico sommità 500 daN/m²
			D3 :da 5059 a 5063 Azione : Carico quadri 500 daN/m²
			D3 :da 5064 a 5208 Azione : Carico sommità 500 daN/m²
4	Qk	CDC=Qk (variabile soletta sedimentatori)	D3 :da 2480 a 2490 Azione : Carico sedimentatori 1000 daN/m²
			D3 :da 2517 a 2527 Azione : Carico sedimentatori 1000 daN/m²
			D3 :da 2530 a 2540 Azione : Carico sedimentatori 1000 daN/m²
			D3 :da 2543 a 2553 Azione : Carico sedimentatori 1000 daN/m²
			D3 :da 2556 a 2566 Azione : Carico sedimentatori 1000 daN/m²
			D3 :da 2569 a 2590 Azione : Carico sedimentatori 1000 daN/m²
			D3 :da 2593 a 2603 Azione : Carico sedimentatori 1000 daN/m²
			D3 :da 2606 a 2616 Azione : Carico sedimentatori 1000 daN/m²
			D3 :da 2619 a 2629 Azione : Carico sedimentatori 1000 daN/m²
			D3 :da 2632 a 2642 Azione : Carico sedimentatori 1000 daN/m²
			D3 :da 2645 a 2655 Azione : Carico sedimentatori 1000 daN/m²
			D3 :da 2660 a 2670 Azione : Carico sedimentatori 1000 daN/m²
			D3 :da 2673 a 2683 Azione : Carico sedimentatori 1000 daN/m²
			D3 :da 2686 a 2696 Azione : Carico sedimentatori 1000 daN/m²
			D3 :da 2699 a 2709 Azione : Carico sedimentatori 1000 daN/m²
			D3 :da 2712 a 2722 Azione : Carico sedimentatori 1000 daN/m²
			D3 :da 2725 a 2735 Azione : Carico sedimentatori 1000 daN/m²
			D3 :da 2764 a 2774 Azione : Carico sedimentatori 1000 daN/m²
			D3 :da 2803 a 2813 Azione : Carico sedimentatori 1000 daN/m²
			D3 :da 2842 a 2852 Azione : Carico sedimentatori 1000 daN/m²
			D3 :da 2881 a 2891 Azione : Carico sedimentatori 1000 daN/m²
5	Qk	CDC=Qk (variabile platea)	D3 :da 111 a 165 Azione : Carico pavimento 1000 daN/m²
			D3 :da 292 a 342 Azione : Carico pavimento 1000 daN/m²
			D3 :da 351 a 354 Azione : Carico pavimento 1000 daN/m²
			D3 :da 363 a 391 Azione : Carico pavimento 1000 daN/m²
			D3 :da 400 a 403 Azione : Carico pavimento 1000 daN/m²
			D3 :da 412 a 440 Azione : Carico pavimento 1000 daN/m²
			D3 :da 449 a 452 Azione : Carico pavimento 1000 daN/m²
			D3 :da 461 a 476 Azione : Carico pavimento 1000 daN/m²
			D3 :da 485 a 488 Azione : Carico pavimento 1000 daN/m²
			D3 :da 497 a 526 Azione : Carico pavimento 1000 daN/m²
			D3 :da 535 a 538 Azione : Carico pavimento 1000 daN/m²
			D3 :da 547 a 548 Azione : Carico pavimento 1000 daN/m²
			D3 :da 557 a 562 Azione : Carico pavimento 1000 daN/m²
			D3 :da 571 a 574 Azione : Carico pavimento 1000 daN/m²
			D3 :da 583 a 584 Azione : Carico pavimento 1000 daN/m²
			D3 :da 593 a 598 Azione : Carico pavimento 1000 daN/m²
			D3 :da 607 a 610 Azione : Carico pavimento 1000 daN/m²

CDC	Tipo	Sigla Id	Note
			D3 :da 619 a 620 Azione : Carico pavimento 1000 daN/m²
			D3 :da 629 a 634 Azione : Carico pavimento 1000 daN/m²
			D3 :da 643 a 646 Azione : Carico pavimento 1000 daN/m²
			D3 :da 655 a 656 Azione : Carico pavimento 1000 daN/m²
			D3 :da 665 a 670 Azione : Carico pavimento 1000 daN/m²
			D3 :da 679 a 682 Azione : Carico pavimento 1000 daN/m²
			D3 :da 691 a 692 Azione : Carico pavimento 1000 daN/m²
			D3 :da 701 a 706 Azione : Carico pavimento 1000 daN/m²
			D3 :da 715 a 718 Azione : Carico pavimento 1000 daN/m²
			D3 :da 727 a 728 Azione : Carico pavimento 1000 daN/m²
			D3 :da 737 a 740 Azione : Carico pavimento 1000 daN/m²
			D3 :da 749 a 754 Azione : Carico pavimento 1000 daN/m²
			D3 :da 763 a 764 Azione : Carico pavimento 1000 daN/m²
			D3 :da 773 a 776 Azione : Carico pavimento 1000 daN/m²
			D3 :da 785 a 790 Azione : Carico pavimento 1000 daN/m²
			D3 :da 799 a 800 Azione : Carico pavimento 1000 daN/m²
			D3 :da 809 a 812 Azione : Carico pavimento 1000 daN/m²
			D3 :da 821 a 848 Azione : Carico pavimento 1000 daN/m²
			D3 :da 857 a 860 Azione : Carico pavimento 1000 daN/m²
			D3 :da 869 a 886 Azione : Carico pavimento 1000 daN/m²
			D3 :da 895 a 898 Azione : Carico pavimento 1000 daN/m²
			D3 :da 907 a 924 Azione : Carico pavimento 1000 daN/m²
			D3 :da 933 a 936 Azione : Carico pavimento 1000 daN/m²
			D3 :da 945 a 972 Azione : Carico pavimento 1000 daN/m²
6	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=G1k (permanente riempimenti cls)
			partecipazione:0.80 per 3 CDC=Qk (variabile sommità vasche)
			partecipazione:0.80 per 4 CDC=Qk (variabile soletta sedimentatori)
			partecipazione:0.80 per 5 CDC=Qk (variabile platea)
7	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	come precedente CDC sismico
8	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	come precedente CDC sismico
9	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (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=0.0 (ecc. -)	come precedente CDC sismico
12	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	come precedente CDC sismico
13	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	come precedente CDC sismico
14	Gk	CDC=G1k (permanente vasche 1)	D3 :da 1 a 110 Azione : Pressione fondo vasca sifone 5800 daN/m²
			D3 :da 166 a 176 Azione : Pressione parete vasca sifone -y
			D3 : 177 Azione : Pressione parete vasca sifone -x
			D3 : 178 Azione : Pressione parete vasca sifone +x
			D3 : 179 Azione : Pressione parete vasca sifone -x
			D3 : 180 Azione : Pressione parete vasca sifone +x
			D3 : 181 Azione : Pressione parete vasca sifone -x
			D3 : 182 Azione : Pressione parete vasca sifone +x
			D3 : 183 Azione : Pressione parete vasca sifone -x
			D3 : 184 Azione : Pressione parete vasca sifone +x
			D3 : 185 Azione : Pressione parete vasca sifone -x
			D3 : 186 Azione : Pressione parete vasca sifone +x
			D3 : 187 Azione : Pressione parete vasca sifone -x
			D3 : 188 Azione : Pressione parete vasca sifone +x
			D3 : 189 Azione : Pressione parete vasca sifone -x
			D3 : 190 Azione : Pressione parete vasca sifone +x
			D3 : 191 Azione : Pressione parete vasca sifone -x
			D3 : 192 Azione : Pressione parete vasca sifone +x
			D3 : 193 Azione : Pressione parete vasca sifone -x
			D3 : 194 Azione : Pressione parete vasca sifone +x
			D3 : 195 Azione : Pressione parete vasca sifone -x
			D3 : 196 Azione : Pressione parete vasca sifone +x
			D3 :da 197 a 207 Azione : Pressione parete vasca sifone +y
			D3 :da 229 a 239 Azione : Pressione parete vasca sifone -y
			D3 : 240 Azione : Pressione parete vasca sifone -x
			D3 : 241 Azione : Pressione parete vasca sifone +x
			D3 : 242 Azione : Pressione parete vasca sifone -x
			D3 : 243 Azione : Pressione parete vasca sifone +x
			D3 : 244 Azione : Pressione parete vasca sifone -x
			D3 : 245 Azione : Pressione parete vasca sifone +x
			D3 : 246 Azione : Pressione parete vasca sifone -x
			…
			D3 :da 2291 a 2298 Azione : Pressione parete fanghi +y
15	Gk	CDC=G1k (permanente vasche 2)	D3 :da 343 a 346 Azione : Pressione fondo dissabbiatura
			D3 :da 355 a 358 Azione : Pressione fondo dissabbiatura
			D3 :da 392 a 395 Azione : Pressione fondo dissabbiatura
			D3 :da 404 a 407 Azione : Pressione fondo dissabbiatura

CDC	Tipo	Sigla Id	Note
			D3 :da 441 a 444 Azione : Pressione fondo dissabbiatura
			D3 :da 453 a 456 Azione : Pressione fondo dissabbiatura
			D3 :da 477 a 480 Azione : Pressione fondo dissabbiatura
			D3 :da 489 a 492 Azione : Pressione fondo dissabbiatura
			D3 :da 527 a 530 Azione : Pressione fondo dissabbiatura
			D3 :da 539 a 542 Azione : Pressione fondo dissabbiatura
			D3 :da 563 a 566 Azione : Pressione fondo dissabbiatura
			D3 :da 575 a 578 Azione : Pressione fondo dissabbiatura
			D3 :da 599 a 602 Azione : Pressione fondo dissabbiatura
			D3 :da 611 a 614 Azione : Pressione fondo dissabbiatura
			D3 :da 635 a 638 Azione : Pressione fondo dissabbiatura
			D3 :da 647 a 650 Azione : Pressione fondo dissabbiatura
			D3 :da 671 a 674 Azione : Pressione fondo dissabbiatura
			D3 :da 683 a 686 Azione : Pressione fondo dissabbiatura
			D3 :da 707 a 710 Azione : Pressione fondo dissabbiatura
			D3 :da 719 a 722 Azione : Pressione fondo dissabbiatura
			D3 :da 729 a 732 Azione : Pressione fondo dissabbiatura
			D3 :da 741 a 744 Azione : Pressione fondo dissabbiatura
			D3 :da 765 a 768 Azione : Pressione fondo dissabbiatura
			D3 :da 777 a 780 Azione : Pressione fondo dissabbiatura
			D3 :da 801 a 804 Azione : Pressione fondo dissabbiatura
			D3 :da 813 a 816 Azione : Pressione fondo dissabbiatura
			D3 :da 849 a 852 Azione : Pressione fondo dissabbiatura
			D3 :da 861 a 864 Azione : Pressione fondo dissabbiatura
			D3 :da 887 a 890 Azione : Pressione fondo dissabbiatura
			D3 :da 899 a 902 Azione : Pressione fondo dissabbiatura
			D3 :da 925 a 928 Azione : Pressione fondo dissabbiatura
			D3 :da 937 a 940 Azione : Pressione fondo dissabbiatura
			D3 :da 973 a 976 Azione : Pressione parete dissabbiatura -y
			D3 :da 981 a 984 Azione : Pressione parete dissabbiatura -y
			D3 : 989 Azione : Pressione parete dissabbiatura -x
			D3 : 990 Azione : Pressione parete dissabbiatura +x
			D3 : 992 Azione : Pressione parete dissabbiatura -x
			D3 : 993 Azione : Pressione parete dissabbiatura +x
			D3 : 995 Azione : Pressione parete dissabbiatura -x
			D3 : 996 Azione : Pressione parete dissabbiatura +x
			…
			D3 :da 4749 a 4751 Azione : Pressione parete grigliatura +y
16	Gk	CDC=G1k (permanente vasche 3)	D3 :da 347 a 350 Azione : Pressione fondo dissabbiatura
			D3 :da 359 a 362 Azione : Pressione fondo dissabbiatura
			D3 :da 396 a 399 Azione : Pressione fondo dissabbiatura
			D3 :da 408 a 411 Azione : Pressione fondo dissabbiatura
			D3 :da 445 a 448 Azione : Pressione fondo dissabbiatura
			D3 :da 457 a 460 Azione : Pressione fondo dissabbiatura
			D3 :da 481 a 484 Azione : Pressione fondo dissabbiatura
			D3 :da 493 a 496 Azione : Pressione fondo dissabbiatura
			D3 :da 531 a 534 Azione : Pressione fondo dissabbiatura
			D3 :da 543 a 546 Azione : Pressione fondo dissabbiatura
			D3 :da 567 a 570 Azione : Pressione fondo dissabbiatura
			D3 :da 579 a 582 Azione : Pressione fondo dissabbiatura
			D3 :da 603 a 606 Azione : Pressione fondo dissabbiatura
			D3 :da 615 a 618 Azione : Pressione fondo dissabbiatura
			D3 :da 639 a 642 Azione : Pressione fondo dissabbiatura
			D3 :da 651 a 654 Azione : Pressione fondo dissabbiatura
			D3 :da 675 a 678 Azione : Pressione fondo dissabbiatura
			D3 :da 687 a 690 Azione : Pressione fondo dissabbiatura
			D3 :da 711 a 714 Azione : Pressione fondo dissabbiatura
			D3 :da 723 a 726 Azione : Pressione fondo dissabbiatura
			D3 :da 733 a 736 Azione : Pressione fondo dissabbiatura
			D3 :da 745 a 748 Azione : Pressione fondo dissabbiatura
			D3 :da 769 a 772 Azione : Pressione fondo dissabbiatura
			D3 :da 781 a 784 Azione : Pressione fondo dissabbiatura
			D3 :da 805 a 808 Azione : Pressione fondo dissabbiatura
			D3 :da 817 a 820 Azione : Pressione fondo dissabbiatura
			D3 :da 853 a 856 Azione : Pressione fondo dissabbiatura
			D3 :da 865 a 868 Azione : Pressione fondo dissabbiatura
			D3 :da 891 a 894 Azione : Pressione fondo dissabbiatura
			D3 :da 903 a 906 Azione : Pressione fondo dissabbiatura
			D3 :da 929 a 932 Azione : Pressione fondo dissabbiatura
			D3 :da 941 a 944 Azione : Pressione fondo dissabbiatura
			D3 :da 977 a 980 Azione : Pressione parete dissabbiatura -y
			D3 :da 985 a 988 Azione : Pressione parete dissabbiatura -y
			D3 : 990 Azione : Pressione parete dissabbiatura -x

CDC	Tipo	Sigla Id	Note
			D3 : 991 Azione : Pressione parete dissabbiatura +x
			D3 : 993 Azione : Pressione parete dissabbiatura -x
			D3 : 994 Azione : Pressione parete dissabbiatura +x
			…
			D3 :da 4746 a 4748 Azione : Pressione parete grigliatura +y
17	Gk	CDC=G1k (permanente canalette)	D3 :da 2454 a 2477 Azione : Pressione fondo canalette 1600 daN/m²
			D3 :da 2491 a 2514 Azione : Pressione fondo canalette 1600 daN/m²
			D3 :da 2528 a 2529 Azione : Pressione fondo canalette 1600 daN/m²
			D3 :da 2541 a 2542 Azione : Pressione fondo canalette 1600 daN/m²
			D3 :da 2554 a 2555 Azione : Pressione fondo canalette 1600 daN/m²
			D3 :da 2567 a 2568 Azione : Pressione fondo canalette 1600 daN/m²
			D3 :da 2591 a 2592 Azione : Pressione fondo canalette 1600 daN/m²
			D3 :da 2604 a 2605 Azione : Pressione fondo canalette 1600 daN/m²
			D3 :da 2617 a 2618 Azione : Pressione fondo canalette 1600 daN/m²
			D3 :da 2630 a 2631 Azione : Pressione fondo canalette 1600 daN/m²
			D3 :da 2643 a 2644 Azione : Pressione fondo canalette 1600 daN/m²
			D3 :da 2656 a 2659 Azione : Pressione fondo canalette 1600 daN/m²
			D3 :da 2671 a 2672 Azione : Pressione fondo canalette 1600 daN/m²
			D3 :da 2684 a 2685 Azione : Pressione fondo canalette 1600 daN/m²
			D3 :da 2697 a 2698 Azione : Pressione fondo canalette 1600 daN/m²
			D3 :da 2710 a 2711 Azione : Pressione fondo canalette 1600 daN/m²
			D3 :da 2723 a 2724 Azione : Pressione fondo canalette 1600 daN/m²
			D3 :da 2736 a 2763 Azione : Pressione fondo canalette 1600 daN/m²
			D3 :da 2775 a 2802 Azione : Pressione fondo canalette 1600 daN/m²
			D3 :da 2814 a 2839 Azione : Pressione fondo canalette 1600 daN/m²
			D3 :da 2853 a 2878 Azione : Pressione fondo canalette 1600 daN/m²
			D3 :da 2892 a 2915 Azione : Pressione parete canalette -y
			D3 : 2951 Azione : Pressione parete canalette +x
			D3 : 2962 Azione : Pressione parete canalette +x
			D3 : 2973 Azione : Pressione parete canalette +x
			D3 : 2984 Azione : Pressione parete canalette +x
			D3 : 2996 Azione : Pressione parete canalette +x
			D3 : 3009 Azione : Pressione parete canalette +x
			…
			D3 :da 5257 a 5267 Azione : Pressione parete grigliatura +y
18	Etk	CDC=Etk (inc. sp. acqua) SLV dir + alfa=0.0	D3 : 178 Azione : Sisma parete vasca sifone +x
			D3 : 180 Azione : Sisma parete vasca sifone +x
			D3 : 182 Azione : Sisma parete vasca sifone +x
			D3 : 184 Azione : Sisma parete vasca sifone +x
			D3 : 186 Azione : Sisma parete vasca sifone +x
			D3 : 188 Azione : Sisma parete vasca sifone +x
			D3 : 190 Azione : Sisma parete vasca sifone +x
			D3 : 192 Azione : Sisma parete vasca sifone +x
			D3 : 194 Azione : Sisma parete vasca sifone +x
			D3 : 196 Azione : Sisma parete vasca sifone +x
			D3 : 241 Azione : Sisma parete vasca sifone +x
			D3 : 243 Azione : Sisma parete vasca sifone +x
			D3 : 245 Azione : Sisma parete vasca sifone +x
			D3 : 247 Azione : Sisma parete vasca sifone +x
			D3 : 249 Azione : Sisma parete vasca sifone +x
			D3 : 251 Azione : Sisma parete vasca sifone +x
			D3 : 253 Azione : Sisma parete vasca sifone +x
			D3 : 255 Azione : Sisma parete vasca sifone +x
			D3 : 257 Azione : Sisma parete vasca sifone +x
			D3 : 259 Azione : Sisma parete vasca sifone +x
			D3 : 990 Azione : Sisma parete dissabbiatura +x
			D3 : 991 Azione : Sisma parete dissabbiatura +x
			D3 : 993 Azione : Sisma parete dissabbiatura +x
			D3 : 994 Azione : Sisma parete dissabbiatura +x
			D3 : 996 Azione : Sisma parete dissabbiatura +x
			D3 : 997 Azione : Sisma parete dissabbiatura +x
			D3 : 999 Azione : Sisma parete dissabbiatura +x
			D3 : 1000 Azione : Sisma parete dissabbiatura +x
			D3 : 1002 Azione : Sisma parete dissabbiatura +x
			D3 : 1003 Azione : Sisma parete dissabbiatura +x
			…
			D3 : 5256 Azione : Sisma parete grigliatura +x
19	Etk	CDC=Etk (inc. sp. acqua) SLV dir - alfa=0.0	D3 : 177 Azione : Sisma parete vasca sifone -x
			D3 : 179 Azione : Sisma parete vasca sifone -x
			D3 : 181 Azione : Sisma parete vasca sifone -x
			D3 : 183 Azione : Sisma parete vasca sifone -x
			D3 : 185 Azione : Sisma parete vasca sifone -x
			D3 : 187 Azione : Sisma parete vasca sifone -x

CDC	Tipo	Sigla Id	Note
			D3 : 189 Azione : Sisma parete vasca sifone -x
			D3 : 191 Azione : Sisma parete vasca sifone -x
			D3 : 193 Azione : Sisma parete vasca sifone -x
			D3 : 195 Azione : Sisma parete vasca sifone -x
			D3 : 240 Azione : Sisma parete vasca sifone -x
			D3 : 242 Azione : Sisma parete vasca sifone -x
			D3 : 244 Azione : Sisma parete vasca sifone -x
			D3 : 246 Azione : Sisma parete vasca sifone -x
			D3 : 248 Azione : Sisma parete vasca sifone -x
			D3 : 250 Azione : Sisma parete vasca sifone -x
			D3 : 252 Azione : Sisma parete vasca sifone -x
			D3 : 254 Azione : Sisma parete vasca sifone -x
			D3 : 256 Azione : Sisma parete vasca sifone -x
			D3 : 258 Azione : Sisma parete vasca sifone -x
			D3 : 989 Azione : Sisma parete dissabbiatura -x
			D3 : 990 Azione : Sisma parete dissabbiatura -x
			D3 : 992 Azione : Sisma parete dissabbiatura -x
			D3 : 993 Azione : Sisma parete dissabbiatura -x
			D3 : 995 Azione : Sisma parete dissabbiatura -x
			D3 : 996 Azione : Sisma parete dissabbiatura -x
			D3 : 998 Azione : Sisma parete dissabbiatura -x
			D3 : 999 Azione : Sisma parete dissabbiatura -x
			D3 : 1001 Azione : Sisma parete dissabbiatura -x
			D3 : 1002 Azione : Sisma parete dissabbiatura -x
			D3 : 1004 Azione : Sisma parete dissabbiatura -x
			D3 : 1005 Azione : Sisma parete dissabbiatura -x
			D3 : 1007 Azione : Sisma parete dissabbiatura -x
			…
			D3 : 5255 Azione : Sisma parete grigliatura -x
20	Etk	CDC=Etk (inc. sp. acqua) SLV dir + alfa=90.00	D3 :da 197 a 207 Azione : Sisma parete vasca sifone +y
			D3 :da 260 a 270 Azione : Sisma parete vasca sifone +y
			D3 :da 1083 a 1090 Azione : Sisma parete fanghi +y
			D3 :da 1121 a 1124 Azione : Sisma parete dissabbiatura +y
			D3 :da 1125 a 1128 Azione : Sisma parete dissabbiatura +y
			D3 :da 1129 a 1132 Azione : Sisma parete dissabbiatura +y
			D3 :da 1133 a 1136 Azione : Sisma parete dissabbiatura +y
			D3 :da 1180 a 1190 Azione : Sisma parete vasca sifone +y
			D3 :da 1301 a 1308 Azione : Sisma parete fanghi +y
			D3 :da 1339 a 1342 Azione : Sisma parete dissabbiatura +y
			D3 :da 1343 a 1346 Azione : Sisma parete dissabbiatura +y
			D3 :da 1347 a 1350 Azione : Sisma parete dissabbiatura +y
			D3 :da 1351 a 1354 Azione : Sisma parete dissabbiatura +y
			D3 :da 1398 a 1408 Azione : Sisma parete vasca sifone +y
			D3 :da 1519 a 1526 Azione : Sisma parete fanghi +y
			D3 :da 1557 a 1560 Azione : Sisma parete dissabbiatura +y
			D3 :da 1561 a 1564 Azione : Sisma parete dissabbiatura +y
			D3 :da 1565 a 1568 Azione : Sisma parete dissabbiatura +y
			D3 :da 1569 a 1572 Azione : Sisma parete dissabbiatura +y
			D3 :da 1616 a 1626 Azione : Sisma parete vasca sifone +y
			D3 :da 1737 a 1744 Azione : Sisma parete fanghi +y
			D3 :da 1775 a 1778 Azione : Sisma parete dissabbiatura +y
			D3 :da 1779 a 1782 Azione : Sisma parete dissabbiatura +y
			D3 :da 1783 a 1786 Azione : Sisma parete dissabbiatura +y
			D3 :da 1787 a 1790 Azione : Sisma parete dissabbiatura +y
			D3 :da 1834 a 1844 Azione : Sisma parete vasca sifone +y
			D3 :da 2019 a 2026 Azione : Sisma parete fanghi +y
			D3 :da 2051 a 2054 Azione : Sisma parete dissabbiatura +y
			D3 :da 2055 a 2060 Azione : Sisma parete dissabbiatura +y
			D3 :da 2061 a 2066 Azione : Sisma parete dissabbiatura +y
			D3 :da 2067 a 2070 Azione : Sisma parete dissabbiatura +y
			D3 : 2087 Azione : Sisma parete dissabbiatura +y
			D3 : 2088 Azione : Sisma parete dissabbiatura +y
			D3 : 2125 Azione : Sisma parete dissabbiatura +y
			D3 : 2126 Azione : Sisma parete dissabbiatura +y
			…
			D3 :da 5257 a 5267 Azione : Sisma parete grigliatura +y
21	Etk	CDC=Etk (inc. sp. acqua) SLV dir - alfa=90.00	D3 :da 166 a 176 Azione : Sisma parete vasca sifone -y
			D3 :da 229 a 239 Azione : Sisma parete vasca sifone -y
			D3 :da 973 a 976 Azione : Sisma parete dissabbiatura -y
			D3 :da 977 a 980 Azione : Sisma parete dissabbiatura -y
			D3 :da 981 a 984 Azione : Sisma parete dissabbiatura -y
			D3 :da 985 a 988 Azione : Sisma parete dissabbiatura -y
			D3 :da 1019 a 1026 Azione : Sisma parete fanghi -y

CDC	Tipo	Sigla Id	Note
			D3 :da 1149 a 1159 Azione : Sisma parete vasca sifone -y
			D3 :da 1191 a 1194 Azione : Sisma parete dissabbiatura -y
			D3 :da 1195 a 1198 Azione : Sisma parete dissabbiatura -y
			D3 :da 1199 a 1202 Azione : Sisma parete dissabbiatura -y
			D3 :da 1203 a 1206 Azione : Sisma parete dissabbiatura -y
			D3 :da 1237 a 1244 Azione : Sisma parete fanghi -y
			D3 :da 1367 a 1377 Azione : Sisma parete vasca sifone -y
			D3 :da 1409 a 1412 Azione : Sisma parete dissabbiatura -y
			D3 :da 1413 a 1416 Azione : Sisma parete dissabbiatura -y
			D3 :da 1417 a 1420 Azione : Sisma parete dissabbiatura -y
			D3 :da 1421 a 1424 Azione : Sisma parete dissabbiatura -y
			D3 :da 1455 a 1462 Azione : Sisma parete fanghi -y
			D3 :da 1585 a 1595 Azione : Sisma parete vasca sifone -y
			D3 :da 1627 a 1630 Azione : Sisma parete dissabbiatura -y
			D3 :da 1631 a 1634 Azione : Sisma parete dissabbiatura -y
			D3 :da 1635 a 1638 Azione : Sisma parete dissabbiatura -y
			D3 :da 1639 a 1642 Azione : Sisma parete dissabbiatura -y
			…
			D3 : 4752 Azione : Sisma parete grigliatura -y
			D3 :da 5209 a 5219 Azione : Sisma parete grigliatura -y
			D3 :da 5240 a 5250 Azione : Sisma parete grigliatura -y

3.6 DEFINIZIONE DELLE COMBINAZIONI

LEGENDA TABELLA COMBINAZIONI DI CARICO

Il programma combina i diversi tipi di casi di carico (CDC) secondo le regole previste dalla normativa vigente.
Le combinazioni previste sono destinate al controllo di sicurezza della struttura ed alla verifica degli spostamenti e delle sollecitazioni.

La tabella delle combinazioni riportata di seguito comprende le seguenti informazioni: *Numero*, *Tipo*, *Sigla identificativa* e il *peso nella combinazione*, assunto per ogni caso di carico.

Ai fini delle verifiche degli stati limite si definiscono le seguenti combinazioni delle azioni:
Combinazione fondamentale SLU

$\gamma G1 \cdot G1 + \gamma G2 \cdot G2 + \gamma P \cdot P + \gamma Q1 \cdot Qk1 + \gamma Q2 \cdot \psi 02 \cdot Qk2 + \gamma Q3 \cdot \psi 03 \cdot Qk3 + \ldots$

Combinazione caratteristica (rara) SLE

$G1 + G2 + P + Qk1 + \psi 02 \cdot Qk2 + \psi 03 \cdot Qk3 + \ldots$

Combinazione sismica, impiegata per gli stati limite ultimi e di esercizio connessi all'azione sismica E

$E + G1 + G2 + P + \psi 21 \cdot Qk1 + \psi 22 \cdot Qk2 + \ldots$

Combinazione eccezionale, impiegata per gli stati limite connessi alle azioni eccezionali

$G1 + G2 + P + \psi 21 \cdot Qk1 + \psi 22 \cdot Qk2 + \ldots$

Dove:

NTC 2008 Tabella 2.5.I

Destinazione d'uso/azione	**ψ0**	**ψ1**	**ψ2**
Categoria A residenziali	0,70	0,50	0,30
Categoria B uffici	0,70	0,50	0,30
Categoria C ambienti suscettibili di affollamento	0,70	0,70	0,60
Categoria D ambienti ad uso commerciale	0,70	0,70	0,60
Categoria E biblioteche, archivi, magazzini,…	1,00	0,90	0,80
Categoria F Rimesse e parcheggi (autoveicoli <= 30kN)	0,70	0,70	0,60
Categoria G Rimesse e parcheggi (autoveicoli > 30kN)	0,70	0,50	0,30
Categoria H Coperture	0,00	0,00	0,00
Vento	0,60	0,20	0,00
Neve a quota <= 1000 m	0,50	0,20	0,00
Neve a quota > 1000 m	0,70	0,50	0,20
Variazioni Termiche	0,60	0,50	0,00

Nelle verifiche si adotta l'approccio 2 dove si definisce un'unica combinazione per le azioni, per la resistenza dei materiali e per la resistenza globale (con coefficienti A1).

NTC 2008 Tabella 2.6.I

		Coefficiente γf	**EQU**	**A1**	**A2**
Carichi permanenti	Favorevoli	γG1	0,9	1,0	1,0
	Sfavorevoli		1,1	1,3	1,0
Carichi permanenti non strutturali	Favorevoli	γG2	0,0	0,0	0,0
(Non compiutamente definiti)	Sfavorevoli		1,5	1,5	1,3
Carichi variabili	Favorevoli	γQi	0,0	0,0	0,0
	Sfavorevoli		1,5	1,5	1,3

TABELLA COMBINAZIONI DI CARICO

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 5
6	SLU	Comb. SLU A1 6
7	SLU	Comb. SLU A1 7
8	SLU	Comb. SLU A1 8
9	SLU	Comb. SLU A1 9 perm + vasche 1
10	SLU	Comb. SLU A1 10 perm + vasche 2
11	SLU	Comb. SLU A1 11 perm + vasche 3
12	SLU	Comb. SLU A1 12 perm + canalette
13	SLU	Comb. SLU A1 13 perm + vasche + canalette
14	SLU	Comb. SLU A1 14 perm + var + vasche 1
15	SLU	Comb. SLU A1 15 perm + var + vasche 2
16	SLU	Comb. SLU A1 16 perm + var + vasche 3
17	SLU	Comb. SLU A1 17 perm + var + canalette
18	SLU	Comb. SLU A1 18 perm + var + vasche + canalette
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	SLU	Comb. SLU A1 (SLV sism.) 37
38	SLU	Comb. SLU A1 (SLV sism.) 38
39	SLU	Comb. SLU A1 (SLV sism.) 39
40	SLU	Comb. SLU A1 (SLV sism.) 40
41	SLU	Comb. SLU A1 (SLV sism.) 41
42	SLU	Comb. SLU A1 (SLV sism.) 42
43	SLU	Comb. SLU A1 (SLV sism.) 43
44	SLU	Comb. SLU A1 (SLV sism.) 44
45	SLU	Comb. SLU A1 (SLV sism.) 45
46	SLU	Comb. SLU A1 (SLV sism.) 46
47	SLU	Comb. SLU A1 (SLV sism.) 47
48	SLU	Comb. SLU A1 (SLV sism.) 48
49	SLU	Comb. SLU A1 (SLV sism.) 49
50	SLU	Comb. SLU A1 (SLV sism.) 50
51	SLD(sis)	Comb. SLE (SLD Danno sism.) 51
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

Cmb	Tipo	Sigla Id
69	SLD(sis)	Comb. SLE (SLD Danno sism.) 69
70	SLD(sis)	Comb. SLE (SLD Danno sism.) 70
71	SLD(sis)	Comb. SLE (SLD Danno sism.) 71
72	SLD(sis)	Comb. SLE (SLD Danno sism.) 72
73	SLD(sis)	Comb. SLE (SLD Danno sism.) 73
74	SLD(sis)	Comb. SLE (SLD Danno sism.) 74
75	SLD(sis)	Comb. SLE (SLD Danno sism.) 75
76	SLD(sis)	Comb. SLE (SLD Danno sism.) 76
77	SLD(sis)	Comb. SLE (SLD Danno sism.) 77
78	SLD(sis)	Comb. SLE (SLD Danno sism.) 78
79	SLD(sis)	Comb. SLE (SLD Danno sism.) 79
80	SLD(sis)	Comb. SLE (SLD Danno sism.) 80
81	SLD(sis)	Comb. SLE (SLD Danno sism.) 81
82	SLD(sis)	Comb. SLE (SLD Danno sism.) 82
83	SLE(r)	Comb. SLE(rara) 83
84	SLE(r)	Comb. SLE(rara) 84
85	SLE(r)	Comb. SLE(rara) 85
86	SLE(r)	Comb. SLE(rara) 86
87	SLE(r)	Comb. SLE(rara) 87 perm + vasche 1
88	SLE(r)	Comb. SLE(rara) 88 perm + vasche 2
89	SLE(r)	Comb. SLE(rara) 89 perm + vasche 3
90	SLE(r)	Comb. SLE(rara) 90 perm + canalette
91	SLE(r)	Comb. SLE(rara) 91 perm + vasche + canalette
92	SLE(r)	Comb. SLE(rara) 92 perm + var + vasche 1
93	SLE(r)	Comb. SLE(rara) 93 perm + var + vasche 2
94	SLE(r)	Comb. SLE(rara) 94 perm + var + vasche 3
95	SLE(r)	Comb. SLE(rara) 95 perm + var + canalette
96	SLE(r)	Comb. SLE(rara) 96 perm + var + vasche + canalette

Cmb	CDC 1/15	CDC 2/16	CDC 3/17	CDC 4/18	CDC 5/19	CDC 6/20	CDC 7/21	CDC 8	CDC 9	CDC 10	CDC 11	CDC 12	CDC 13	CDC 14
1	1.30	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
2	1.30	1.30	0.0	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
3	1.30	1.30	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
4	1.30	1.30	1.50	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
5	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
6	1.00	1.00	0.0	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
7	1.00	1.00	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
8	1.00	1.00	1.50	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
9	1.30	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
10	1.30	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.30	0.0	0.0	0.0	0.0	0.0	0.0							
11	1.30	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	1.30	0.0	0.0	0.0	0.0	0.0							
12	1.30	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	1.30	0.0	0.0	0.0	0.0							
13	1.30	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30
	1.30	1.30	1.30	0.0	0.0	0.0	0.0							
14	1.30	1.30	1.50	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
15	1.30	1.30	1.50	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.30	0.0	0.0	0.0	0.0	0.0	0.0							
16	1.30	1.30	1.50	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	1.30	0.0	0.0	0.0	0.0	0.0							
17	1.30	1.30	1.50	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	1.30	0.0	0.0	0.0	0.0							
18	1.30	1.30	1.50	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30
	1.30	1.30	1.30	0.0	0.0	0.0	0.0							
19	1.00	1.00	0.80	0.80	0.80	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	1.00
	1.00	1.00	1.00	1.00	0.0	0.30	0.0							
20	1.00	1.00	0.80	0.80	0.80	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	1.00
	1.00	1.00	1.00	1.00	0.0	0.0	0.30							

Cmb	CDC 1/15	CDC 2/16	CDC 3/17	CDC 4/18	CDC 5/19	CDC 6/20	CDC 7/21	CDC 8	CDC 9	CDC 10	CDC 11	CDC 12	CDC 13	CDC 14
21	1.00	1.00	0.80	0.80	0.80	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	1.00
	1.00	1.00	1.00	0.0	1.00	0.30	0.0							
22	1.00	1.00	0.80	0.80	0.80	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	1.00
	1.00	1.00	1.00	0.0	1.00	0.0	0.30							
23	1.00	1.00	0.80	0.80	0.80	-1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	1.00
	1.00	1.00	1.00	1.00	0.0	0.30	0.0							
24	1.00	1.00	0.80	0.80	0.80	-1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	1.00
	1.00	1.00	1.00	1.00	0.0	0.0	0.30							
25	1.00	1.00	0.80	0.80	0.80	1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	1.00
	1.00	1.00	1.00	0.0	1.00	0.30	0.0							
26	1.00	1.00	0.80	0.80	0.80	1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	1.00
	1.00	1.00	1.00	0.0	1.00	0.0	0.30							
27	1.00	1.00	0.80	0.80	0.80	0.0	-1.00	-0.30	0.0	0.0	0.0	0.0	0.0	1.00
	1.00	1.00	1.00	1.00	0.0	0.30	0.0							
28	1.00	1.00	0.80	0.80	0.80	0.0	-1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00
	1.00	1.00	1.00	1.00	0.0	0.0	0.30							
29	1.00	1.00	0.80	0.80	0.80	0.0	1.00	-0.30	0.0	0.0	0.0	0.0	0.0	1.00
	1.00	1.00	1.00	0.0	1.00	0.30	0.0							
30	1.00	1.00	0.80	0.80	0.80	0.0	1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00
	1.00	1.00	1.00	0.0	1.00	0.0	0.30							
31	1.00	1.00	0.80	0.80	0.80	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	1.00
	1.00	1.00	1.00	1.00	0.0	0.30	0.0							
32	1.00	1.00	0.80	0.80	0.80	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	1.00
	1.00	1.00	1.00	1.00	0.0	0.0	0.30							
33	1.00	1.00	0.80	0.80	0.80	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	1.00
	1.00	1.00	1.00	0.0	1.00	0.30	0.0							
34	1.00	1.00	0.80	0.80	0.80	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0	1.00
	1.00	1.00	1.00	0.0	1.00	0.0	0.30							
35	1.00	1.00	0.80	0.80	0.80	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	1.00
	1.00	1.00	1.00	0.30	0.0	1.00	0.0							
36	1.00	1.00	0.80	0.80	0.80	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	1.00
	1.00	1.00	1.00	0.30	0.0	0.0	1.00							
37	1.00	1.00	0.80	0.80	0.80	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	1.00
	1.00	1.00	1.00	0.0	0.30	1.00	0.0							
38	1.00	1.00	0.80	0.80	0.80	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	1.00
	1.00	1.00	1.00	0.0	0.30	0.0	1.00							
39	1.00	1.00	0.80	0.80	0.80	0.0	-0.30	-1.00	0.0	0.0	0.0	0.0	0.0	1.00
	1.00	1.00	1.00	0.30	0.0	1.00	0.0							
40	1.00	1.00	0.80	0.80	0.80	0.0	-0.30	1.00	0.0	0.0	0.0	0.0	0.0	1.00
	1.00	1.00	1.00	0.30	0.0	0.0	1.00							
41	1.00	1.00	0.80	0.80	0.80	0.0	0.30	-1.00	0.0	0.0	0.0	0.0	0.0	1.00
	1.00	1.00	1.00	0.0	0.30	1.00	0.0							
42	1.00	1.00	0.80	0.80	0.80	0.0	0.30	1.00	0.0	0.0	0.0	0.0	0.0	1.00
	1.00	1.00	1.00	0.0	0.30	0.0	1.00							
43	1.00	1.00	0.80	0.80	0.80	-0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	1.00
	1.00	1.00	1.00	0.30	0.0	1.00	0.0							
44	1.00	1.00	0.80	0.80	0.80	-0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0	1.00
	1.00	1.00	1.00	0.30	0.0	0.0	1.00							
45	1.00	1.00	0.80	0.80	0.80	0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	1.00
	1.00	1.00	1.00	0.0	0.30	1.00	0.0							
46	1.00	1.00	0.80	0.80	0.80	0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0	1.00
	1.00	1.00	1.00	0.0	0.30	0.0	1.00							
47	1.00	1.00	0.80	0.80	0.80	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	1.00
	1.00	1.00	1.00	0.30	0.0	1.00	0.0							
48	1.00	1.00	0.80	0.80	0.80	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	1.00
	1.00	1.00	1.00	0.30	0.0	0.0	1.00							
49	1.00	1.00	0.80	0.80	0.80	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	1.00
	1.00	1.00	1.00	0.0	0.30	1.00	0.0							
50	1.00	1.00	0.80	0.80	0.80	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0	1.00
	1.00	1.00	1.00	0.0	0.30	0.0	1.00							
51	1.00	1.00	0.80	0.80	0.80	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0	1.00
	1.00	1.00	1.00	0.50	0.0	0.15	0.0							
52	1.00	1.00	0.80	0.80	0.80	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	0.0	1.00
	1.00	1.00	1.00	0.50	0.0	0.0	0.15							
53	1.00	1.00	0.80	0.80	0.80	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	0.0	1.00
	1.00	1.00	1.00	0.0	0.50	0.15	0.0							
54	1.00	1.00	0.80	0.80	0.80	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0	1.00
	1.00	1.00	1.00	0.0	0.50	0.0	0.15							
55	1.00	1.00	0.80	0.80	0.80	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	-0.30	1.00
	1.00	1.00	1.00	0.50	0.0	0.15	0.0							
56	1.00	1.00	0.80	0.80	0.80	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	0.30	1.00
	1.00	1.00	1.00	0.50	0.0	0.0	0.15							

Cmb	CDC 1/15	CDC 2/16	CDC 3/17	CDC 4/18	CDC 5/19	CDC 6/20	CDC 7/21	CDC 8	CDC 9	CDC 10	CDC 11	CDC 12	CDC 13	CDC 14
57	1.00	1.00	0.80	0.80	0.80	0.0	0.0	0.0	0.0	1.00	0.0	0.0	-0.30	1.00
	1.00	1.00	1.00	0.0	0.50	0.15	0.0							
58	1.00	1.00	0.80	0.80	0.80	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.30	1.00
	1.00	1.00	1.00	0.0	0.50	0.0	0.15							
59	1.00	1.00	0.80	0.80	0.80	0.0	0.0	0.0	0.0	0.0	-1.00	-0.30	0.0	1.00
	1.00	1.00	1.00	0.50	0.0	0.15	0.0							
60	1.00	1.00	0.80	0.80	0.80	0.0	0.0	0.0	0.0	0.0	-1.00	0.30	0.0	1.00
	1.00	1.00	1.00	0.50	0.0	0.0	0.15							
61	1.00	1.00	0.80	0.80	0.80	0.0	0.0	0.0	0.0	0.0	1.00	-0.30	0.0	1.00
	1.00	1.00	1.00	0.0	0.50	0.15	0.0							
62	1.00	1.00	0.80	0.80	0.80	0.0	0.0	0.0	0.0	0.0	1.00	0.30	0.0	1.00
	1.00	1.00	1.00	0.0	0.50	0.0	0.15							
63	1.00	1.00	0.80	0.80	0.80	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	1.00
	1.00	1.00	1.00	0.50	0.0	0.15	0.0							
64	1.00	1.00	0.80	0.80	0.80	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	1.00
	1.00	1.00	1.00	0.50	0.0	0.0	0.15							
65	1.00	1.00	0.80	0.80	0.80	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	1.00
	1.00	1.00	1.00	0.0	0.50	0.15	0.0							
66	1.00	1.00	0.80	0.80	0.80	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30	1.00
	1.00	1.00	1.00	0.0	0.50	0.0	0.15							
67	1.00	1.00	0.80	0.80	0.80	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0	1.00
	1.00	1.00	1.00	0.15	0.0	0.50	0.0							
68	1.00	1.00	0.80	0.80	0.80	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	0.0	1.00
	1.00	1.00	1.00	0.15	0.0	0.0	0.50							
69	1.00	1.00	0.80	0.80	0.80	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	0.0	1.00
	1.00	1.00	1.00	0.0	0.15	0.50	0.0							
70	1.00	1.00	0.80	0.80	0.80	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.0	1.00
	1.00	1.00	1.00	0.0	0.15	0.0	0.50							
71	1.00	1.00	0.80	0.80	0.80	0.0	0.0	0.0	0.0	0.0	-0.30	-1.00	0.0	1.00
	1.00	1.00	1.00	0.15	0.0	0.50	0.0							
72	1.00	1.00	0.80	0.80	0.80	0.0	0.0	0.0	0.0	0.0	-0.30	1.00	0.0	1.00
	1.00	1.00	1.00	0.15	0.0	0.0	0.50							
73	1.00	1.00	0.80	0.80	0.80	0.0	0.0	0.0	0.0	0.0	0.30	-1.00	0.0	1.00
	1.00	1.00	1.00	0.0	0.15	0.50	0.0							
74	1.00	1.00	0.80	0.80	0.80	0.0	0.0	0.0	0.0	0.0	0.30	1.00	0.0	1.00
	1.00	1.00	1.00	0.0	0.15	0.0	0.50							
75	1.00	1.00	0.80	0.80	0.80	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	-1.00	1.00
	1.00	1.00	1.00	0.15	0.0	0.50	0.0							
76	1.00	1.00	0.80	0.80	0.80	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	1.00	1.00
	1.00	1.00	1.00	0.15	0.0	0.0	0.50							
77	1.00	1.00	0.80	0.80	0.80	0.0	0.0	0.0	0.0	0.30	0.0	0.0	-1.00	1.00
	1.00	1.00	1.00	0.0	0.15	0.50	0.0							
78	1.00	1.00	0.80	0.80	0.80	0.0	0.0	0.0	0.0	0.30	0.0	0.0	1.00	1.00
	1.00	1.00	1.00	0.0	0.15	0.0	0.50							
79	1.00	1.00	0.80	0.80	0.80	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	1.00
	1.00	1.00	1.00	0.15	0.0	0.50	0.0							
80	1.00	1.00	0.80	0.80	0.80	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	1.00
	1.00	1.00	1.00	0.15	0.0	0.0	0.50							
81	1.00	1.00	0.80	0.80	0.80	0.0	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	1.00
	1.00	1.00	1.00	0.0	0.15	0.50	0.0							
82	1.00	1.00	0.80	0.80	0.80	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00	1.00
	1.00	1.00	1.00	0.0	0.15	0.0	0.50							
83	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
84	1.00	1.00	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
85	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
86	1.00	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
87	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
88	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.0	0.0	0.0	0.0	0.0	0.0							
89	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	1.00	0.0	0.0	0.0	0.0	0.0							
90	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	1.00	0.0	0.0	0.0	0.0							
91	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00
	1.00	1.00	1.00	0.0	0.0	0.0	0.0							
92	1.00	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00
	0.0	0.0	0.0	0.0	0.0	0.0	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	CDC 9	CDC 10	CDC 11	CDC 12	CDC 13	CDC 14
93	1.00	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.0	0.0	0.0	0.0	0.0	0.0							
94	1.00	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	1.00	0.0	0.0	0.0	0.0	0.0							
95	1.00	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	1.00	0.0	0.0	0.0	0.0							
96	1.00	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00
	1.00	1.00	1.00	0.0	0.0	0.0	0.0							

3.7 AZIONE SISMICA

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.

Allo stato attuale, la pericolosità sismica su reticolo di riferimento nell'intervallo di riferimento è fornita dai dati pubblicati sul sito http://esse1.mi.ingv.it/. Per punti non coincidenti con il reticolo di riferimento e periodi di ritorno non contemplati direttamente si opera come indicato nell' allegato alle NTC (rispettivamente media pesata e interpolazione).

L' azione sismica viene definita in relazione ad un periodo di riferimento Vr 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 Vr e la probabilità di superamento Pver associata a ciascuno degli stati limite considerati, si ottiene il periodo di ritorno Tr 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 Vn [anni]	Coeff. Uso	Periodo Vr [anni]	Tipo di suolo	Categoria topografica
IV	100.0	2.0	200.0	C	T1

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 = Ss*St (3.2.5)

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.

Id nodo	Longitudine	Latitudine	Distanza
			Km
Loc.	8.872	44.410	
16917	8.872	44.395	1.662
16918	8.942	44.398	5.700
16696	8.938	44.448	6.710
16695	8.868	44.445	3.892

SL	Pver	Tr	ag	Fo	T*c
		Anni	g		sec
SLO	81.0	120.0	0.040	2.540	0.250
SLD	63.0	201.0	0.049	2.530	0.270
SLV	10.0	1898.0	0.105	2.540	0.310
SLC	5.0	2475.0	0.115	2.540	0.310

SL	ag	S	Fo	Fv	Tb	Tc	Td
	g				sec	sec	sec
SLO	0.040	1.500	2.540	0.689	0.138	0.415	1.762
SLD	0.049	1.500	2.530	0.758	0.146	0.437	1.797
SLV	0.105	1.500	2.540	1.111	0.160	0.479	2.020
SLC	0.115	1.500	2.540	1.161	0.160	0.479	2.059

3.8 RISULTATI ANALISI SISMICHE

LEGENDA TABELLA ANALISI SISMICHE

Il programma consente l'analisi di diverse configurazioni sismiche.

Sono previsti, infatti, i seguenti casi di carico:
9. Esk caso di carico sismico con analisi statica equivalente
10. Edk caso di carico sismico con analisi dinamica

Ciascun caso di carico è caratterizzato da un angolo di ingresso e da una configurazione di masse determinante la forza sismica complessiva (si rimanda al capitolo relativo ai casi di carico per chiarimenti inerenti questo aspetto).

Nella colonna Note, in funzione della norma in uso sono riportati i parametri fondamentali che caratterizzano l' azione sismica: in particolare possono essere presenti i seguenti valori:

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 di struttura q	Fattore 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

Per ciascun caso di carico sismico viene riportato l'insieme di dati sotto riportati (le masse sono espresse in unità di forza):

c) **analisi sismica statica equivalente**:
- quota, posizione del centro di applicazione e azione orizzontale risultante, posizione del baricentro delle rigidezze, rapporto r/Ls (per strutture a nucleo), indici di regolarità e/r secondo EC8 4.2.3.2
- azione sismica complessiva

d) **analisi sismica dinamica con spettro di risposta**:
- quota, posizione del centro di massa e massa risultante, posizione del baricentro delle rigidezze, rapporto r/Ls (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.

TABELLA ANALISI SISMICHE

CDC	Tipo	Sigla Id	Note
6	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.400 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.228 sec.
			fattore di struttura q: 1.000
			fattore per spost. mu d: 1.000
			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	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
1320.00	1.121e+04	572.00	1960.00	0.0	-14.00	572.00	1960.00	0.459	0.0	0.0
1215.00	2.335e+04	569.95	1960.00	0.0	-14.00	557.20	1960.00	0.459	0.012	0.0
1110.00	2.673e+05	554.03	1076.16	0.0	-105.00	684.48	1544.80	0.769	0.246	0.365
1090.00	3.058e+05	2452.14	988.27	0.0	-104.00	2558.01	1068.84	1.125	0.104	0.061
1020.00	1.336e+04	4654.00	1130.00	0.0	-104.00	4654.00	1130.00	0.147	0.0	0.0
1005.00	1.170e+05	621.95	1272.26	0.0	-100.50	684.73	1544.99	0.795	0.118	0.212
995.00	2.219e+05	2467.86	1122.62	0.0	-104.00	2558.01	1430.46	1.178	0.085	0.263
925.00	2.672e+04	4654.00	1130.00	0.0	-104.00	4654.00	1130.00	0.147	0.0	0.0
900.00	5.002e+05	1388.14	1216.36	0.0	-104.00	2502.78	1431.06	0.942	0.989	0.174
830.00	2.111e+05	3025.28	1181.79	0.0	-104.00	2988.62	1228.77	1.115	0.029	0.034
800.00	3.930e+04	571.70	878.07	0.0	-50.00	572.00	561.66	1.304	5.2035e-04	0.479
760.00	7.901e+05	3310.97	1232.42	0.0	-104.00	2527.64	743.87	0.797	0.672	0.536
700.00	8.373e+04	462.73	580.55	0.0	-108.50	571.96	561.57	0.490	0.191	0.029
680.00	1190.00	2272.57	1965.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
666.67	1.681e+04	4129.12	1112.50	0.0	-85.25	0.0	0.0	0.0	0.0	0.0
660.00	1.537e+05	2841.60	1136.05	0.0	-85.25	2589.34	1110.62	0.905	0.253	0.027
610.00	2.289e+04	2474.00	1077.95	0.0	-81.00	0.0	0.0	0.0	0.0	0.0
600.00	4.645e+04	572.00	983.04	0.0	-50.00	572.00	1060.00	1.559	0.0	0.113
573.33	9675.56	4205.90	1112.50	0.0	-85.25	4205.90	1112.50	1.466	0.0	0.0
560.00	1.866e+05	2739.20	1087.24	0.0	-81.00	2538.92	970.49	0.781	0.258	0.085
500.00	5.360e+04	572.00	1060.00	0.0	-50.00	572.00	1060.00	1.559	0.0	0.0
480.00	9675.56	4205.90	1112.50	0.0	-85.25	4205.90	1112.50	1.466	0.0	0.0
470.00	1.321e+05	2828.96	1083.99	0.0	-81.00	2538.92	970.49	0.781	0.374	0.082
400.00	5.360e+04	572.00	1060.00	0.0	-50.00	572.00	1060.00	1.559	0.0	0.0
386.67	9675.56	4205.90	1112.50	0.0	-85.25	4205.90	1112.50	1.466	0.0	0.0
380.00	1.321e+05	2828.96	1083.99	0.0	-81.00	2538.92	970.49	0.781	0.374	0.082
300.00	5.360e+04	572.00	1060.00	0.0	-50.00	572.00	1060.00	1.559	0.0	0.0
293.33	9675.56	4205.90	1112.50	0.0	-85.25	4205.90	1112.50	1.466	0.0	0.0
290.00	1.321e+05	2828.96	1083.99	0.0	-81.00	2538.92	970.49	0.781	0.374	0.082
200.00	1.409e+05	1769.55	1063.80	0.0	-103.00	572.00	1290.55	0.497	1.201	0.306
100.00	6.968e+04	572.00	1263.86	0.0	-75.00	572.00	1290.55	1.362	0.0	0.036
Risulta	3.845e+06									

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	2.484	0.403	0.400	8.305e+05	21.6	1.487e+04	0.4	237.13	6.17e-03	0.0	0.0
2	3.466	0.288	0.400	3907.25	0.1	1.582e+06	41.1	2.399e+04	0.6	0.0	0.0
3	3.656	0.274	0.400	1.914e+04	0.5	6.565e+05	17.1	3.283e+04	0.9	0.0	0.0
4	4.390	0.228	0.400	1.516e+06	39.4	1.720e+04	0.4	1.959e+05	5.1	0.0	0.0
5	6.413	0.156	0.394	3.456e+05	9.0	9.110e+04	2.4	3.055e+06	79.5	0.0	0.0
6	8.015	0.125	0.347	3.349e+05	8.7	6.996e+04	1.8	2.268e+05	5.9	0.0	0.0
7	8.922	0.112	0.327	3.170e+05	8.2	7.847e+05	20.4	5.432e+04	1.4	0.0	0.0
8	9.019	0.111	0.326	1.133e+05	2.9	9.352e+04	2.4	1.474e+05	3.8	0.0	0.0
9	10.040	0.100	0.308	2.757e+05	7.2	4.994e+05	13.0	9.413e+04	2.4	0.0	0.0
Risulta				3.756e+06		3.809e+06		3.831e+06			
In percentuale				97.68		99.06		99.63			

CDC	Tipo	Sigla Id	Note
7	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.400 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.230 sec.
			fattore di struttura q: 1.000
			fattore per spost. mu d: 1.000
			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	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
1320.00	1.121e+04	572.00	1960.00	0.0	14.00	572.00	1960.00	0.459	0.0	0.0
1215.00	2.335e+04	569.95	1960.00	0.0	14.00	557.20	1960.00	0.459	0.012	0.0
1110.00	2.673e+05	554.03	1076.16	0.0	105.00	684.48	1544.80	0.769	0.246	0.365
1090.00	3.058e+05	2452.14	988.27	0.0	104.00	2558.01	1068.84	1.125	0.104	0.061
1020.00	1.336e+04	4654.00	1130.00	0.0	104.00	4654.00	1130.00	0.147	0.0	0.0
1005.00	1.170e+05	621.95	1272.26	0.0	100.50	684.73	1544.99	0.795	0.118	0.212
995.00	2.219e+05	2467.86	1122.62	0.0	104.00	2558.01	1430.46	1.178	0.085	0.263
925.00	2.672e+04	4654.00	1130.00	0.0	104.00	4654.00	1130.00	0.147	0.0	0.0
900.00	5.002e+05	1388.14	1216.36	0.0	104.00	2502.78	1431.06	0.942	0.989	0.174
830.00	2.111e+05	3025.28	1181.79	0.0	104.00	2988.62	1228.77	1.115	0.029	0.034
800.00	3.930e+04	571.70	878.07	0.0	50.00	572.00	561.66	1.304	5.2035e-04	0.479
760.00	7.901e+05	3310.97	1232.42	0.0	104.00	2527.64	743.87	0.797	0.672	0.536
700.00	8.373e+04	462.73	580.55	0.0	108.50	571.96	561.57	0.490	0.191	0.029
680.00	1190.00	2272.57	1965.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
666.67	1.681e+04	4129.12	1112.50	0.0	85.25	0.0	0.0	0.0	0.0	0.0
660.00	1.537e+05	2841.60	1136.05	0.0	85.25	2589.34	1110.62	0.905	0.253	0.027
610.00	2.289e+04	2474.00	1077.95	0.0	81.00	0.0	0.0	0.0	0.0	0.0
600.00	4.645e+04	572.00	983.04	0.0	50.00	572.00	1060.00	1.559	0.0	0.113
573.33	9675.56	4205.90	1112.50	0.0	85.25	4205.90	1112.50	1.466	0.0	0.0
560.00	1.866e+05	2739.20	1087.24	0.0	81.00	2538.92	970.49	0.781	0.258	0.085
500.00	5.360e+04	572.00	1060.00	0.0	50.00	572.00	1060.00	1.559	0.0	0.0
480.00	9675.56	4205.90	1112.50	0.0	85.25	4205.90	1112.50	1.466	0.0	0.0
470.00	1.321e+05	2828.96	1083.99	0.0	81.00	2538.92	970.49	0.781	0.374	0.082
400.00	5.360e+04	572.00	1060.00	0.0	50.00	572.00	1060.00	1.559	0.0	0.0
386.67	9675.56	4205.90	1112.50	0.0	85.25	4205.90	1112.50	1.466	0.0	0.0
380.00	1.321e+05	2828.96	1083.99	0.0	81.00	2538.92	970.49	0.781	0.374	0.082
300.00	5.360e+04	572.00	1060.00	0.0	50.00	572.00	1060.00	1.559	0.0	0.0
293.33	9675.56	4205.90	1112.50	0.0	85.25	4205.90	1112.50	1.466	0.0	0.0
290.00	1.321e+05	2828.96	1083.99	0.0	81.00	2538.92	970.49	0.781	0.374	0.082
200.00	1.409e+05	1769.55	1063.80	0.0	103.00	572.00	1290.55	0.497	1.201	0.306
100.00	6.968e+04	572.00	1263.86	0.0	75.00	572.00	1290.55	1.362	0.0	0.036
Risulta	3.845e+06									

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	2.391	0.418	0.400	8.384e+05	21.8	1.241e+04	0.3	240.88	6.26e-03	0.0	0.0
2	3.467	0.288	0.400	451.67	1.17e-02	1.582e+06	41.1	2.269e+04	0.6	0.0	0.0
3	3.653	0.274	0.400	1.681e+04	0.4	6.620e+05	17.2	3.286e+04	0.9	0.0	0.0
4	4.356	0.230	0.400	1.532e+06	39.8	1.107e+04	0.3	1.920e+05	5.0	0.0	0.0
5	6.419	0.156	0.394	3.222e+05	8.4	9.511e+04	2.5	3.076e+06	80.0	0.0	0.0
6	7.858	0.127	0.350	6.519e+04	1.7	9.856e+04	2.6	2.000e+05	5.2	0.0	0.0
7	8.847	0.113	0.329	7.842e+05	20.4	3.735e+05	9.7	7.034e+04	1.8	0.0	0.0
8	9.106	0.110	0.324	9.299e+04	2.4	2.201e+05	5.7	4.475e+04	1.2	0.0	0.0
9	9.692	0.103	0.314	8.918e+04	2.3	7.532e+05	19.6	1.924e+05	5.0	0.0	0.0
Risulta				3.742e+06		3.808e+06		3.832e+06			
In percentuale				97.31		99.03		99.65			

CDC	Tipo	Sigla Id	Note
8	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.400 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.286 sec.
			fattore di struttura q: 1.000
			fattore per spost. mu d: 1.000
			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	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
1320.00	1.121e+04	572.00	1960.00	57.20	0.0	572.00	1960.00	0.459	0.0	0.0
1215.00	2.335e+04	569.95	1960.00	57.20	0.0	557.20	1960.00	0.459	0.012	0.0
1110.00	2.673e+05	554.03	1076.16	57.20	0.0	684.48	1544.80	0.769	0.246	0.365
1090.00	3.058e+05	2452.14	988.27	116.50	0.0	2558.01	1068.84	1.125	0.104	0.061
1020.00	1.336e+04	4654.00	1130.00	8.50	0.0	4654.00	1130.00	0.147	0.0	0.0
1005.00	1.170e+05	621.95	1272.26	57.20	0.0	684.73	1544.99	0.795	0.118	0.212
995.00	2.219e+05	2467.86	1122.62	116.50	0.0	2558.01	1430.46	1.178	0.085	0.263
925.00	2.672e+04	4654.00	1130.00	8.50	0.0	4654.00	1130.00	0.147	0.0	0.0
900.00	5.002e+05	1388.14	1216.36	179.20	0.0	2502.78	1431.06	0.942	0.989	0.174
830.00	2.111e+05	3025.28	1181.79	168.75	0.0	2988.62	1228.77	1.115	0.029	0.034
800.00	3.930e+04	571.70	878.07	57.20	0.0	572.00	561.66	1.304	5.2035e-04	0.479
760.00	7.901e+05	3310.97	1232.42	168.75	0.0	2527.64	743.87	0.797	0.672	0.536
700.00	8.373e+04	462.73	580.55	170.70	0.0	571.96	561.57	0.490	0.191	0.029
680.00	1190.00	2272.57	1965.00	70.50	0.0	0.0	0.0	0.0	0.0	0.0
666.67	1.681e+04	4129.12	1112.50	62.00	0.0	0.0	0.0	0.0	0.0	0.0
660.00	1.537e+05	2841.60	1136.05	160.25	0.0	2589.34	1110.62	0.905	0.253	0.027
610.00	2.289e+04	2474.00	1077.95	86.50	0.0	0.0	0.0	0.0	0.0	0.0
600.00	4.645e+04	572.00	983.04	57.20	0.0	572.00	1060.00	1.559	0.0	0.113
573.33	9675.56	4205.90	1112.50	53.67	0.0	4205.90	1112.50	1.466	0.0	0.0
560.00	1.866e+05	2739.20	1087.24	151.75	0.0	2538.92	970.49	0.781	0.258	0.085
500.00	5.360e+04	572.00	1060.00	57.20	0.0	572.00	1060.00	1.559	0.0	0.0
480.00	9675.56	4205.90	1112.50	53.67	0.0	4205.90	1112.50	1.466	0.0	0.0
470.00	1.321e+05	2828.96	1083.99	151.75	0.0	2538.92	970.49	0.781	0.374	0.082
400.00	5.360e+04	572.00	1060.00	57.20	0.0	572.00	1060.00	1.559	0.0	0.0
386.67	9675.56	4205.90	1112.50	53.67	0.0	4205.90	1112.50	1.466	0.0	0.0
380.00	1.321e+05	2828.96	1083.99	151.75	0.0	2538.92	970.49	0.781	0.374	0.082
300.00	5.360e+04	572.00	1060.00	57.20	0.0	572.00	1060.00	1.559	0.0	0.0
293.33	9675.56	4205.90	1112.50	53.67	0.0	4205.90	1112.50	1.466	0.0	0.0
290.00	1.321e+05	2828.96	1083.99	151.75	0.0	2538.92	970.49	0.781	0.374	0.082
200.00	1.409e+05	1769.55	1063.80	236.95	0.0	572.00	1290.55	0.497	1.201	0.306
100.00	6.968e+04	572.00	1263.86	57.20	0.0	572.00	1290.55	1.362	0.0	0.036
Risulta	3.845e+06									

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	2.443	0.409	0.400	8.389e+05	21.8	8000.76	0.2	288.39	7.50e-03	0.0	0.0
2	3.492	0.286	0.400	2300.89	5.98e-02	1.559e+06	40.5	2.386e+04	0.6	0.0	0.0
3	3.699	0.270	0.400	1.198e+04	0.3	6.599e+05	17.2	3.587e+04	0.9	0.0	0.0
4	4.387	0.228	0.400	1.515e+06	39.4	1.618e+04	0.4	1.983e+05	5.2	0.0	0.0
5	6.434	0.155	0.393	3.432e+05	8.9	1.059e+05	2.8	3.070e+06	79.8	0.0	0.0
6	7.096	0.141	0.371	2.029e+04	0.5	8.294e+04	2.2	1.053e+05	2.7	0.0	0.0
7	8.741	0.114	0.331	8.437e+05	21.9	3.137e+05	8.2	1.150e+05	3.0	0.0	0.0
8	9.378	0.107	0.319	3.070e+04	0.8	5.965e+05	15.5	2.815e+05	7.3	0.0	0.0
9	9.598	0.104	0.315	1.372e+05	3.6	4.652e+05	12.1	1576.97	4.10e-02	0.0	0.0
Risulta				3.743e+06		3.807e+06		3.831e+06			
In percentuale				97.35		99.02		99.65			

CDC	Tipo	Sigla Id	Note
9	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.400 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.292 sec.
			fattore di struttura q: 1.000
			fattore per spost. mu d: 1.000
			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	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
1320.00	1.121e+04	572.00	1960.00	-57.20	0.0	572.00	1960.00	0.459	0.0	0.0
1215.00	2.335e+04	569.95	1960.00	-57.20	0.0	557.20	1960.00	0.459	0.012	0.0
1110.00	2.673e+05	554.03	1076.16	-57.20	0.0	684.48	1544.80	0.769	0.246	0.365
1090.00	3.058e+05	2452.14	988.27	-116.50	0.0	2558.01	1068.84	1.125	0.104	0.061
1020.00	1.336e+04	4654.00	1130.00	-8.50	0.0	4654.00	1130.00	0.147	0.0	0.0
1005.00	1.170e+05	621.95	1272.26	-57.20	0.0	684.73	1544.99	0.795	0.118	0.212
995.00	2.219e+05	2467.86	1122.62	-116.50	0.0	2558.01	1430.46	1.178	0.085	0.263
925.00	2.672e+04	4654.00	1130.00	-8.50	0.0	4654.00	1130.00	0.147	0.0	0.0
900.00	5.002e+05	1388.14	1216.36	-179.20	0.0	2502.78	1431.06	0.942	0.989	0.174
830.00	2.111e+05	3025.28	1181.79	-168.75	0.0	2988.62	1228.77	1.115	0.029	0.034
800.00	3.930e+04	571.70	878.07	-57.20	0.0	572.00	561.66	1.304	5.2035e-04	0.479
760.00	7.901e+05	3310.97	1232.42	-168.75	0.0	2527.64	743.87	0.797	0.672	0.536
700.00	8.373e+04	462.73	580.55	-170.70	0.0	571.96	561.57	0.490	0.191	0.029
680.00	1190.00	2272.57	1965.00	-70.50	0.0	0.0	0.0	0.0	0.0	0.0
666.67	1.681e+04	4129.12	1112.50	-62.00	0.0	0.0	0.0	0.0	0.0	0.0
660.00	1.537e+05	2841.60	1136.05	-160.25	0.0	2589.34	1110.62	0.905	0.253	0.027
610.00	2.289e+04	2474.00	1077.95	-86.50	0.0	0.0	0.0	0.0	0.0	0.0
600.00	4.645e+04	572.00	983.04	-57.20	0.0	572.00	1060.00	1.559	0.0	0.113
573.33	9675.56	4205.90	1112.50	-53.67	0.0	4205.90	1112.50	1.466	0.0	0.0
560.00	1.866e+05	2739.20	1087.24	-151.75	0.0	2538.92	970.49	0.781	0.258	0.085
500.00	5.360e+04	572.00	1060.00	-57.20	0.0	572.00	1060.00	1.559	0.0	0.0
480.00	9675.56	4205.90	1112.50	-53.67	0.0	4205.90	1112.50	1.466	0.0	0.0
470.00	1.321e+05	2828.96	1083.99	-151.75	0.0	2538.92	970.49	0.781	0.374	0.082
400.00	5.360e+04	572.00	1060.00	-57.20	0.0	572.00	1060.00	1.559	0.0	0.0
386.67	9675.56	4205.90	1112.50	-53.67	0.0	4205.90	1112.50	1.466	0.0	0.0
380.00	1.321e+05	2828.96	1083.99	-151.75	0.0	2538.92	970.49	0.781	0.374	0.082
300.00	5.360e+04	572.00	1060.00	-57.20	0.0	572.00	1060.00	1.559	0.0	0.0
293.33	9675.56	4205.90	1112.50	-53.67	0.0	4205.90	1112.50	1.466	0.0	0.0
290.00	1.321e+05	2828.96	1083.99	-151.75	0.0	2538.92	970.49	0.781	0.374	0.082
200.00	1.409e+05	1769.55	1063.80	-236.95	0.0	572.00	1290.55	0.497	1.201	0.306
100.00	6.968e+04	572.00	1263.86	-57.20	0.0	572.00	1290.55	1.362	0.0	0.036
Risulta	3.845e+06									

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	2.434	0.411	0.400	8.267e+05	21.5	2.121e+04	0.6	194.39	5.06e-03	0.0	0.0
2	3.426	0.292	0.400	1121.20	2.92e-02	1.591e+06	41.4	2.133e+04	0.6	0.0	0.0
3	3.601	0.278	0.400	2.543e+04	0.7	6.917e+05	18.0	3.043e+04	0.8	0.0	0.0
4	4.386	0.228	0.400	1.511e+06	39.3	1.267e+04	0.3	2.035e+05	5.3	0.0	0.0
5	6.426	0.156	0.393	3.597e+05	9.4	9.184e+04	2.4	3.072e+06	79.9	0.0	0.0
6	7.445	0.134	0.361	6.890e+04	1.8	4.530e+04	1.2	1.396e+05	3.6	0.0	0.0
7	8.884	0.113	0.328	8.041e+05	20.9	2.624e+05	6.8	1.268e+05	3.3	0.0	0.0
8	9.536	0.105	0.316	1.953e+04	0.5	7.500e+05	19.5	2.301e+05	6.0	0.0	0.0
9	9.831	0.102	0.312	1.334e+05	3.5	3.437e+05	8.9	7808.43	0.2	0.0	0.0
Risulta				3.750e+06		3.810e+06		3.832e+06			
In percentuale				97.53		99.06		99.66			

CDC	Tipo	Sigla Id	Note
10	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.187 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.228 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	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
1320.00	1.121e+04	572.00	1960.00	0.0	-14.00	572.00	1960.00	0.459	0.0	0.0
1215.00	2.335e+04	569.95	1960.00	0.0	-14.00	557.20	1960.00	0.459	0.012	0.0
1110.00	2.673e+05	554.03	1076.16	0.0	-105.00	684.48	1544.80	0.769	0.246	0.365
1090.00	3.058e+05	2452.14	988.27	0.0	-104.00	2558.01	1068.84	1.125	0.104	0.061
1020.00	1.336e+04	4654.00	1130.00	0.0	-104.00	4654.00	1130.00	0.147	0.0	0.0
1005.00	1.170e+05	621.95	1272.26	0.0	-100.50	684.73	1544.99	0.795	0.118	0.212
995.00	2.219e+05	2467.86	1122.62	0.0	-104.00	2558.01	1430.46	1.178	0.085	0.263
925.00	2.672e+04	4654.00	1130.00	0.0	-104.00	4654.00	1130.00	0.147	0.0	0.0
900.00	5.002e+05	1388.14	1216.36	0.0	-104.00	2502.78	1431.06	0.942	0.989	0.174
830.00	2.111e+05	3025.28	1181.79	0.0	-104.00	2988.62	1228.77	1.115	0.029	0.034
800.00	3.930e+04	571.70	878.07	0.0	-50.00	572.00	561.66	1.304	5.2035e-04	0.479
760.00	7.901e+05	3310.97	1232.42	0.0	-104.00	2527.64	743.87	0.797	0.672	0.536
700.00	8.373e+04	462.73	580.55	0.0	-108.50	571.96	561.57	0.490	0.191	0.029
680.00	1190.00	2272.57	1965.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
666.67	1.681e+04	4129.12	1112.50	0.0	-85.25	0.0	0.0	0.0	0.0	0.0
660.00	1.537e+05	2841.60	1136.05	0.0	-85.25	2589.34	1110.62	0.905	0.253	0.027
610.00	2.289e+04	2474.00	1077.95	0.0	-81.00	0.0	0.0	0.0	0.0	0.0
600.00	4.645e+04	572.00	983.04	0.0	-50.00	572.00	1060.00	1.559	0.0	0.113
573.33	9675.56	4205.90	1112.50	0.0	-85.25	4205.90	1112.50	1.466	0.0	0.0
560.00	1.866e+05	2739.20	1087.24	0.0	-81.00	2538.92	970.49	0.781	0.258	0.085
500.00	5.360e+04	572.00	1060.00	0.0	-50.00	572.00	1060.00	1.559	0.0	0.0
480.00	9675.56	4205.90	1112.50	0.0	-85.25	4205.90	1112.50	1.466	0.0	0.0
470.00	1.321e+05	2828.96	1083.99	0.0	-81.00	2538.92	970.49	0.781	0.374	0.082
400.00	5.360e+04	572.00	1060.00	0.0	-50.00	572.00	1060.00	1.559	0.0	0.0
386.67	9675.56	4205.90	1112.50	0.0	-85.25	4205.90	1112.50	1.466	0.0	0.0
380.00	1.321e+05	2828.96	1083.99	0.0	-81.00	2538.92	970.49	0.781	0.374	0.082
300.00	5.360e+04	572.00	1060.00	0.0	-50.00	572.00	1060.00	1.559	0.0	0.0
293.33	9675.56	4205.90	1112.50	0.0	-85.25	4205.90	1112.50	1.466	0.0	0.0
290.00	1.321e+05	2828.96	1083.99	0.0	-81.00	2538.92	970.49	0.781	0.374	0.082
200.00	1.409e+05	1769.55	1063.80	0.0	-103.00	572.00	1290.55	0.497	1.201	0.306
100.00	6.968e+04	572.00	1263.86	0.0	-75.00	572.00	1290.55	1.362	0.0	0.036
Risulta	3.845e+06									

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	2.484	0.403	0.187	8.305e+05	21.6	1.487e+04	0.4	237.13	6.17e-03	0.0	0.0
2	3.466	0.288	0.187	3907.25	0.1	1.582e+06	41.1	2.399e+04	0.6	0.0	0.0
3	3.656	0.274	0.187	1.914e+04	0.5	6.565e+05	17.1	3.283e+04	0.9	0.0	0.0
4	4.390	0.228	0.187	1.516e+06	39.4	1.720e+04	0.4	1.959e+05	5.1	0.0	0.0
5	6.413	0.156	0.187	3.456e+05	9.0	9.110e+04	2.4	3.055e+06	79.5	0.0	0.0
6	8.015	0.125	0.170	3.349e+05	8.7	6.996e+04	1.8	2.268e+05	5.9	0.0	0.0
7	8.922	0.112	0.160	3.170e+05	8.2	7.847e+05	20.4	5.432e+04	1.4	0.0	0.0
8	9.019	0.111	0.160	1.133e+05	2.9	9.352e+04	2.4	1.474e+05	3.8	0.0	0.0
9	10.040	0.100	0.151	2.757e+05	7.2	4.994e+05	13.0	9.413e+04	2.4	0.0	0.0
Risulta				3.756e+06		3.809e+06		3.831e+06			
In percentuale				97.68		99.06		99.63			

CDC	Tipo	Sigla Id	Note
11	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.187 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.230 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	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
1320.00	1.121e+04	572.00	1960.00	0.0	14.00	572.00	1960.00	0.459	0.0	0.0
1215.00	2.335e+04	569.95	1960.00	0.0	14.00	557.20	1960.00	0.459	0.012	0.0
1110.00	2.673e+05	554.03	1076.16	0.0	105.00	684.48	1544.80	0.769	0.246	0.365
1090.00	3.058e+05	2452.14	988.27	0.0	104.00	2558.01	1068.84	1.125	0.104	0.061
1020.00	1.336e+04	4654.00	1130.00	0.0	104.00	4654.00	1130.00	0.147	0.0	0.0
1005.00	1.170e+05	621.95	1272.26	0.0	100.50	684.73	1544.99	0.795	0.118	0.212
995.00	2.219e+05	2467.86	1122.62	0.0	104.00	2558.01	1430.46	1.178	0.085	0.263
925.00	2.672e+04	4654.00	1130.00	0.0	104.00	4654.00	1130.00	0.147	0.0	0.0
900.00	5.002e+05	1388.14	1216.36	0.0	104.00	2502.78	1431.06	0.942	0.989	0.174
830.00	2.111e+05	3025.28	1181.79	0.0	104.00	2988.62	1228.77	1.115	0.029	0.034
800.00	3.930e+04	571.70	878.07	0.0	50.00	572.00	561.66	1.304	5.2035e-04	0.479
760.00	7.901e+05	3310.97	1232.42	0.0	104.00	2527.64	743.87	0.797	0.672	0.536
700.00	8.373e+04	462.73	580.55	0.0	108.50	571.96	561.57	0.490	0.191	0.029
680.00	1190.00	2272.57	1965.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
666.67	1.681e+04	4129.12	1112.50	0.0	85.25	0.0	0.0	0.0	0.0	0.0
660.00	1.537e+05	2841.60	1136.05	0.0	85.25	2589.34	1110.62	0.905	0.253	0.027
610.00	2.289e+04	2474.00	1077.95	0.0	81.00	0.0	0.0	0.0	0.0	0.0
600.00	4.645e+04	572.00	983.04	0.0	50.00	572.00	1060.00	1.559	0.0	0.113
573.33	9675.56	4205.90	1112.50	0.0	85.25	4205.90	1112.50	1.466	0.0	0.0
560.00	1.866e+05	2739.20	1087.24	0.0	81.00	2538.92	970.49	0.781	0.258	0.085
500.00	5.360e+04	572.00	1060.00	0.0	50.00	572.00	1060.00	1.559	0.0	0.0
480.00	9675.56	4205.90	1112.50	0.0	85.25	4205.90	1112.50	1.466	0.0	0.0
470.00	1.321e+05	2828.96	1083.99	0.0	81.00	2538.92	970.49	0.781	0.374	0.082
400.00	5.360e+04	572.00	1060.00	0.0	50.00	572.00	1060.00	1.559	0.0	0.0
386.67	9675.56	4205.90	1112.50	0.0	85.25	4205.90	1112.50	1.466	0.0	0.0
380.00	1.321e+05	2828.96	1083.99	0.0	81.00	2538.92	970.49	0.781	0.374	0.082
300.00	5.360e+04	572.00	1060.00	0.0	50.00	572.00	1060.00	1.559	0.0	0.0
293.33	9675.56	4205.90	1112.50	0.0	85.25	4205.90	1112.50	1.466	0.0	0.0
290.00	1.321e+05	2828.96	1083.99	0.0	81.00	2538.92	970.49	0.781	0.374	0.082
200.00	1.409e+05	1769.55	1063.80	0.0	103.00	572.00	1290.55	0.497	1.201	0.306
100.00	6.968e+04	572.00	1263.86	0.0	75.00	572.00	1290.55	1.362	0.0	0.036
Risulta	3.845e+06									

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	2.391	0.418	0.187	8.384e+05	21.8	1.241e+04	0.3	240.88	6.26e-03	0.0	0.0
2	3.467	0.288	0.187	451.67	1.17e-02	1.582e+06	41.1	2.269e+04	0.6	0.0	0.0
3	3.653	0.274	0.187	1.681e+04	0.4	6.620e+05	17.2	3.286e+04	0.9	0.0	0.0
4	4.356	0.230	0.187	1.532e+06	39.8	1.107e+04	0.3	1.920e+05	5.0	0.0	0.0
5	6.419	0.156	0.187	3.222e+05	8.4	9.511e+04	2.5	3.076e+06	80.0	0.0	0.0
6	7.858	0.127	0.172	6.519e+04	1.7	9.856e+04	2.6	2.000e+05	5.2	0.0	0.0
7	8.847	0.113	0.161	7.842e+05	20.4	3.735e+05	9.7	7.034e+04	1.8	0.0	0.0
8	9.106	0.110	0.159	9.299e+04	2.4	2.201e+05	5.7	4.475e+04	1.2	0.0	0.0
9	9.692	0.103	0.154	8.918e+04	2.3	7.532e+05	19.6	1.924e+05	5.0	0.0	0.0
Risulta				3.742e+06		3.808e+06		3.832e+06			
In percentuale				97.31		99.03		99.65			

CDC	Tipo	Sigla Id	Note
12	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.187 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.286 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	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
1320.00	1.121e+04	572.00	1960.00	57.20	0.0	572.00	1960.00	0.459	0.0	0.0
1215.00	2.335e+04	569.95	1960.00	57.20	0.0	557.20	1960.00	0.459	0.012	0.0
1110.00	2.673e+05	554.03	1076.16	57.20	0.0	684.48	1544.80	0.769	0.246	0.365
1090.00	3.058e+05	2452.14	988.27	116.50	0.0	2558.01	1068.84	1.125	0.104	0.061
1020.00	1.336e+04	4654.00	1130.00	8.50	0.0	4654.00	1130.00	0.147	0.0	0.0
1005.00	1.170e+05	621.95	1272.26	57.20	0.0	684.73	1544.99	0.795	0.118	0.212
995.00	2.219e+05	2467.86	1122.62	116.50	0.0	2558.01	1430.46	1.178	0.085	0.263
925.00	2.672e+04	4654.00	1130.00	8.50	0.0	4654.00	1130.00	0.147	0.0	0.0
900.00	5.002e+05	1388.14	1216.36	179.20	0.0	2502.78	1431.06	0.942	0.989	0.174
830.00	2.111e+05	3025.28	1181.79	168.75	0.0	2988.62	1228.77	1.115	0.029	0.034
800.00	3.930e+04	571.70	878.07	57.20	0.0	572.00	561.66	1.304	5.2035e-04	0.479
760.00	7.901e+05	3310.97	1232.42	168.75	0.0	2527.64	743.87	0.797	0.672	0.536
700.00	8.373e+04	462.73	580.55	170.70	0.0	571.96	561.57	0.490	0.191	0.029
680.00	1190.00	2272.57	1965.00	70.50	0.0	0.0	0.0	0.0	0.0	0.0
666.67	1.681e+04	4129.12	1112.50	62.00	0.0	0.0	0.0	0.0	0.0	0.0
660.00	1.537e+05	2841.60	1136.05	160.25	0.0	2589.34	1110.62	0.905	0.253	0.027
610.00	2.289e+04	2474.00	1077.95	86.50	0.0	0.0	0.0	0.0	0.0	0.0
600.00	4.645e+04	572.00	983.04	57.20	0.0	572.00	1060.00	1.559	0.0	0.113
573.33	9675.56	4205.90	1112.50	53.67	0.0	4205.90	1112.50	1.466	0.0	0.0
560.00	1.866e+05	2739.20	1087.24	151.75	0.0	2538.92	970.49	0.781	0.258	0.085
500.00	5.360e+04	572.00	1060.00	57.20	0.0	572.00	1060.00	1.559	0.0	0.0
480.00	9675.56	4205.90	1112.50	53.67	0.0	4205.90	1112.50	1.466	0.0	0.0
470.00	1.321e+05	2828.96	1083.99	151.75	0.0	2538.92	970.49	0.781	0.374	0.082
400.00	5.360e+04	572.00	1060.00	57.20	0.0	572.00	1060.00	1.559	0.0	0.0
386.67	9675.56	4205.90	1112.50	53.67	0.0	4205.90	1112.50	1.466	0.0	0.0
380.00	1.321e+05	2828.96	1083.99	151.75	0.0	2538.92	970.49	0.781	0.374	0.082
300.00	5.360e+04	572.00	1060.00	57.20	0.0	572.00	1060.00	1.559	0.0	0.0
293.33	9675.56	4205.90	1112.50	53.67	0.0	4205.90	1112.50	1.466	0.0	0.0
290.00	1.321e+05	2828.96	1083.99	151.75	0.0	2538.92	970.49	0.781	0.374	0.082
200.00	1.409e+05	1769.55	1063.80	236.95	0.0	572.00	1290.55	0.497	1.201	0.306
100.00	6.968e+04	572.00	1263.86	57.20	0.0	572.00	1290.55	1.362	0.0	0.036
Risulta	3.845e+06									

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	2.443	0.409	0.187	8.389e+05	21.8	8000.76	0.2	288.39	7.50e-03	0.0	0.0
2	3.492	0.286	0.187	2300.89	5.98e-02	1.559e+06	40.5	2.386e+04	0.6	0.0	0.0
3	3.699	0.270	0.187	1.198e+04	0.3	6.599e+05	17.2	3.587e+04	0.9	0.0	0.0
4	4.387	0.228	0.187	1.515e+06	39.4	1.618e+04	0.4	1.983e+05	5.2	0.0	0.0
5	6.434	0.155	0.187	3.432e+05	8.9	1.059e+05	2.8	3.070e+06	79.8	0.0	0.0
6	7.096	0.141	0.183	2.029e+04	0.5	8.294e+04	2.2	1.053e+05	2.7	0.0	0.0
7	8.741	0.114	0.162	8.437e+05	21.9	3.137e+05	8.2	1.150e+05	3.0	0.0	0.0
8	9.378	0.107	0.156	3.070e+04	0.8	5.965e+05	15.5	2.815e+05	7.3	0.0	0.0
9	9.598	0.104	0.154	1.372e+05	3.6	4.652e+05	12.1	1576.97	4.10e-02	0.0	0.0
Risulta				3.743e+06		3.807e+06		3.831e+06			
In percentuale				97.35		99.02		99.65			

CDC	Tipo	Sigla Id	Note
13	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.187 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.292 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	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
1320.00	1.121e+04	572.00	1960.00	-57.20	0.0	572.00	1960.00	0.459	0.0	0.0
1215.00	2.335e+04	569.95	1960.00	-57.20	0.0	557.20	1960.00	0.459	0.012	0.0
1110.00	2.673e+05	554.03	1076.16	-57.20	0.0	684.48	1544.80	0.769	0.246	0.365
1090.00	3.058e+05	2452.14	988.27	-116.50	0.0	2558.01	1068.84	1.125	0.104	0.061
1020.00	1.336e+04	4654.00	1130.00	-8.50	0.0	4654.00	1130.00	0.147	0.0	0.0
1005.00	1.170e+05	621.95	1272.26	-57.20	0.0	684.73	1544.99	0.795	0.118	0.212
995.00	2.219e+05	2467.86	1122.62	-116.50	0.0	2558.01	1430.46	1.178	0.085	0.263
925.00	2.672e+04	4654.00	1130.00	-8.50	0.0	4654.00	1130.00	0.147	0.0	0.0
900.00	5.002e+05	1388.14	1216.36	-179.20	0.0	2502.78	1431.06	0.942	0.989	0.174
830.00	2.111e+05	3025.28	1181.79	-168.75	0.0	2988.62	1228.77	1.115	0.029	0.034
800.00	3.930e+04	571.70	878.07	-57.20	0.0	572.00	561.66	1.304	5.2035e-04	0.479
760.00	7.901e+05	3310.97	1232.42	-168.75	0.0	2527.64	743.87	0.797	0.672	0.536
700.00	8.373e+04	462.73	580.55	-170.70	0.0	571.96	561.57	0.490	0.191	0.029
680.00	1190.00	2272.57	1965.00	-70.50	0.0	0.0	0.0	0.0	0.0	0.0
666.67	1.681e+04	4129.12	1112.50	-62.00	0.0	0.0	0.0	0.0	0.0	0.0
660.00	1.537e+05	2841.60	1136.05	-160.25	0.0	2589.34	1110.62	0.905	0.253	0.027
610.00	2.289e+04	2474.00	1077.95	-86.50	0.0	0.0	0.0	0.0	0.0	0.0
600.00	4.645e+04	572.00	983.04	-57.20	0.0	572.00	1060.00	1.559	0.0	0.113
573.33	9675.56	4205.90	1112.50	-53.67	0.0	4205.90	1112.50	1.466	0.0	0.0
560.00	1.866e+05	2739.20	1087.24	-151.75	0.0	2538.92	970.49	0.781	0.258	0.085
500.00	5.360e+04	572.00	1060.00	-57.20	0.0	572.00	1060.00	1.559	0.0	0.0
480.00	9675.56	4205.90	1112.50	-53.67	0.0	4205.90	1112.50	1.466	0.0	0.0
470.00	1.321e+05	2828.96	1083.99	-151.75	0.0	2538.92	970.49	0.781	0.374	0.082
400.00	5.360e+04	572.00	1060.00	-57.20	0.0	572.00	1060.00	1.559	0.0	0.0
386.67	9675.56	4205.90	1112.50	-53.67	0.0	4205.90	1112.50	1.466	0.0	0.0
380.00	1.321e+05	2828.96	1083.99	-151.75	0.0	2538.92	970.49	0.781	0.374	0.082
300.00	5.360e+04	572.00	1060.00	-57.20	0.0	572.00	1060.00	1.559	0.0	0.0
293.33	9675.56	4205.90	1112.50	-53.67	0.0	4205.90	1112.50	1.466	0.0	0.0
290.00	1.321e+05	2828.96	1083.99	-151.75	0.0	2538.92	970.49	0.781	0.374	0.082
200.00	1.409e+05	1769.55	1063.80	-236.95	0.0	572.00	1290.55	0.497	1.201	0.306
100.00	6.968e+04	572.00	1263.86	-57.20	0.0	572.00	1290.55	1.362	0.0	0.036
Risulta	3.845e+06									

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	2.434	0.411	0.187	8.267e+05	21.5	2.121e+04	0.6	194.39	5.06e-03	0.0	0.0
2	3.426	0.292	0.187	1121.20	2.92e-02	1.591e+06	41.4	2.133e+04	0.6	0.0	0.0
3	3.601	0.278	0.187	2.543e+04	0.7	6.917e+05	18.0	3.043e+04	0.8	0.0	0.0
4	4.386	0.228	0.187	1.511e+06	39.3	1.267e+04	0.3	2.035e+05	5.3	0.0	0.0
5	6.426	0.156	0.187	3.597e+05	9.4	9.184e+04	2.4	3.072e+06	79.9	0.0	0.0
6	7.445	0.134	0.178	6.890e+04	1.8	4.530e+04	1.2	1.396e+05	3.6	0.0	0.0
7	8.884	0.113	0.161	8.041e+05	20.9	2.624e+05	6.8	1.268e+05	3.3	0.0	0.0
8	9.536	0.105	0.155	1.953e+04	0.5	7.500e+05	19.5	2.301e+05	6.0	0.0	0.0
9	9.831	0.102	0.152	1.334e+05	3.5	3.437e+05	8.9	7808.43	0.2	0.0	0.0
Risulta				3.750e+06		3.810e+06		3.832e+06			
In percentuale				97.53		99.06		99.66			

Per ciascuna combinazione sismica definita SLD viene riportato il livello di deformazione etaT (dr) degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso anche in unità 1000*etaT/h da confrontare direttamente con i valori forniti nella norma (es. 5 per edifici con tamponamenti collegati rigidamente alla struttura).

Cmb	Pilas.	1000 etaT/h	etaT	inter. h	Pilas.	1000 etaT/h	etaT	inter. h	Pilas.	1000 etaT/h	etaT	inter. h
			cm	cm			cm	cm			cm	cm
51	1	0.78	0.39	500.0	2	0.74	0.37	500.0	3	0.70	0.49	700.0
	4	0.70	0.49	700.0	5	0.50	0.10	200.0	6	0.46	0.09	200.0
	7	0.45	0.09	200.0	8	0.47	0.09	200.0	9	0.60	0.12	200.0
	10	0.51	0.10	200.0	11	0.49	0.10	200.0	12	0.50	0.10	200.0
	50	0.88	0.36	410.0	51	0.90	0.37	410.0				
52	1	0.65	0.32	500.0	2	0.61	0.30	500.0	3	0.55	0.39	700.0
	4	0.54	0.38	700.0	5	0.45	0.09	200.0	6	0.27	0.05	200.0
	7	0.29	0.06	200.0	8	0.36	0.07	200.0	9	0.37	0.07	200.0
	10	0.27	0.05	200.0	11	0.29	0.06	200.0	12	0.37	0.07	200.0
	50	0.76	0.31	410.0	51	0.77	0.32	410.0				
53	1	0.81	0.40	500.0	2	0.85	0.42	500.0	3	0.91	0.64	700.0
	4	0.91	0.64	700.0	5	0.29	0.06	200.0	6	1.12	0.22	200.0
	7	1.14	0.23	200.0	8	1.35	0.27	200.0	9	0.54	0.11	200.0
	10	1.15	0.23	200.0	11	1.19	0.24	200.0	12	1.47	0.29	200.0
	50	0.77	0.31	410.0	51	0.82	0.33	410.0				
54	1	0.83	0.42	500.0	2	0.83	0.41	500.0	3	0.87	0.61	700.0
	4	0.87	0.61	700.0	5	0.20	0.04	200.0	6	1.05	0.21	200.0
	7	1.08	0.22	200.0	8	1.31	0.26	200.0	9	0.35	0.07	200.0
	10	0.98	0.20	200.0	11	1.03	0.21	200.0	12	1.29	0.26	200.0
	50	0.75	0.31	410.0	51	0.78	0.32	410.0				
55	1	0.81	0.41	500.0	2	0.77	0.39	500.0	3	0.73	0.51	700.0
	4	0.73	0.51	700.0	5	0.51	0.10	200.0	6	0.46	0.09	200.0
	7	0.45	0.09	200.0	8	0.46	0.09	200.0	9	0.60	0.12	200.0
	10	0.46	0.09	200.0	11	0.44	0.09	200.0	12	0.44	0.09	200.0
	50	0.89	0.37	410.0	51	0.91	0.38	410.0				
56	1	0.61	0.30	500.0	2	0.57	0.29	500.0	3	0.52	0.36	700.0
	4	0.51	0.36	700.0	5	0.45	0.09	200.0	6	0.26	0.05	200.0
	7	0.29	0.06	200.0	8	0.37	0.07	200.0	9	0.40	0.08	200.0
	10	0.32	0.06	200.0	11	0.35	0.07	200.0	12	0.43	0.09	200.0
	50	0.75	0.31	410.0	51	0.76	0.31	410.0				
57	1	0.77	0.38	500.0	2	0.81	0.41	500.0	3	0.88	0.62	700.0
	4	0.88	0.62	700.0	5	0.29	0.06	200.0	6	1.12	0.22	200.0
	7	1.14	0.23	200.0	8	1.35	0.27	200.0	9	0.54	0.11	200.0
	10	1.08	0.22	200.0	11	1.13	0.23	200.0	12	1.41	0.28	200.0
	50	0.76	0.31	410.0	51	0.81	0.33	410.0				
58	1	0.87	0.44	500.0	2	0.87	0.44	500.0	3	0.90	0.63	700.0
	4	0.91	0.63	700.0	5	0.20	0.04	200.0	6	1.05	0.21	200.0
	7	1.09	0.22	200.0	8	1.31	0.26	200.0	9	0.34	0.07	200.0
	10	1.05	0.21	200.0	11	1.10	0.22	200.0	12	1.36	0.27	200.0
	50	0.76	0.31	410.0	51	0.79	0.32	410.0				
59	1	0.78	0.39	500.0	2	0.73	0.36	500.0	3	0.70	0.49	700.0
	4	0.68	0.48	700.0	5	0.48	0.10	200.0	6	0.48	0.10	200.0
	7	0.49	0.10	200.0	8	0.58	0.12	200.0	9	0.61	0.12	200.0
	10	0.50	0.10	200.0	11	0.50	0.10	200.0	12	0.51	0.10	200.0
	50	0.89	0.37	410.0	51	0.91	0.37	410.0				
60	1	0.65	0.32	500.0	2	0.60	0.30	500.0	3	0.54	0.38	700.0
	4	0.53	0.37	700.0	5	0.42	0.08	200.0	6	0.32	0.06	200.0
	7	0.35	0.07	200.0	8	0.45	0.09	200.0	9	0.44	0.09	200.0
	10	0.27	0.05	200.0	11	0.29	0.06	200.0	12	0.35	0.07	200.0
	50	0.77	0.31	410.0	51	0.78	0.32	410.0				
61	1	0.79	0.39	500.0	2	0.84	0.42	500.0	3	0.90	0.63	700.0
	4	0.91	0.63	700.0	5	0.27	0.05	200.0	6	1.09	0.22	200.0
	7	1.10	0.22	200.0	8	1.29	0.26	200.0	9	0.53	0.11	200.0
	10	1.15	0.23	200.0	11	1.20	0.24	200.0	12	1.46	0.29	200.0
	50	0.77	0.31	410.0	51	0.82	0.34	410.0				
62	1	0.82	0.41	500.0	2	0.81	0.41	500.0	3	0.86	0.60	700.0
	4	0.87	0.61	700.0	5	0.17	0.03	200.0	6	1.00	0.20	200.0
	7	1.04	0.21	200.0	8	1.27	0.25	200.0	9	0.29	0.06	200.0
	10	0.99	0.20	200.0	11	1.04	0.21	200.0	12	1.29	0.26	200.0
	50	0.75	0.31	410.0	51	0.78	0.32	410.0				
63	1	0.81	0.41	500.0	2	0.76	0.38	500.0	3	0.73	0.51	700.0
	4	0.71	0.50	700.0	5	0.49	0.10	200.0	6	0.48	0.10	200.0
	7	0.48	0.10	200.0	8	0.58	0.12	200.0	9	0.61	0.12	200.0
	10	0.46	0.09	200.0	11	0.45	0.09	200.0	12	0.45	0.09	200.0
	50	0.90	0.37	410.0	51	0.92	0.38	410.0				

Cmb	Pilas.	1000 etaT/h	etaT	inter. h	Pilas.	1000 etaT/h	etaT	inter. h	Pilas.	1000 etaT/h	etaT	inter. h
			cm	cm			cm	cm			cm	cm
64	1	0.61	0.30	500.0	2	0.56	0.28	500.0	3	0.51	0.36	700.0
	4	0.50	0.35	700.0	5	0.42	0.08	200.0	6	0.32	0.06	200.0
	7	0.35	0.07	200.0	8	0.45	0.09	200.0	9	0.45	0.09	200.0
	10	0.33	0.07	200.0	11	0.35	0.07	200.0	12	0.42	0.08	200.0
	50	0.76	0.31	410.0	51	0.77	0.31	410.0				
65	1	0.74	0.37	500.0	2	0.80	0.40	500.0	3	0.87	0.61	700.0
	4	0.88	0.61	700.0	5	0.27	0.05	200.0	6	1.09	0.22	200.0
	7	1.09	0.22	200.0	8	1.29	0.26	200.0	9	0.54	0.11	200.0
	10	1.09	0.22	200.0	11	1.13	0.23	200.0	12	1.40	0.28	200.0
	50	0.76	0.31	410.0	51	0.81	0.33	410.0				
66	1	0.86	0.43	500.0	2	0.86	0.43	500.0	3	0.89	0.62	700.0
	4	0.90	0.63	700.0	5	0.17	0.03	200.0	6	1.00	0.20	200.0
	7	1.05	0.21	200.0	8	1.27	0.25	200.0	9	0.34	0.07	200.0
	10	1.06	0.21	200.0	11	1.10	0.22	200.0	12	1.36	0.27	200.0
	50	0.76	0.31	410.0	51	0.79	0.32	410.0				
67	1	0.64	0.32	500.0	2	0.63	0.31	500.0	3	0.63	0.44	700.0
	4	0.63	0.44	700.0	5	0.54	0.11	200.0	6	0.86	0.17	200.0
	7	0.82	0.16	200.0	8	0.86	0.17	200.0	9	0.74	0.15	200.0
	10	0.97	0.19	200.0	11	0.97	0.19	200.0	12	1.02	0.20	200.0
	50	0.71	0.29	410.0	51	0.78	0.32	410.0				
68	1	0.11	0.06	500.0	2	0.08	0.04	500.0	3	0.05	0.03	700.0
	4	0.05	0.03	700.0	5	0.30	0.06	200.0	6	0.51	0.10	200.0
	7	0.55	0.11	200.0	8	0.65	0.13	200.0	9	0.09	0.02	200.0
	10	0.38	0.08	200.0	11	0.41	0.08	200.0	12	0.53	0.11	200.0
	50	0.13	0.06	410.0	51	0.12	0.05	410.0				
69	1	0.62	0.31	500.0	2	0.63	0.32	500.0	3	0.68	0.48	700.0
	4	0.68	0.48	700.0	5	0.51	0.10	200.0	6	1.03	0.21	200.0
	7	1.00	0.20	200.0	8	1.10	0.22	200.0	9	0.74	0.15	200.0
	10	1.15	0.23	200.0	11	1.17	0.23	200.0	12	1.32	0.26	200.0
	50	0.61	0.25	410.0	51	0.71	0.29	410.0				
70	1	0.40	0.20	500.0	2	0.40	0.20	500.0	3	0.39	0.27	700.0
	4	0.39	0.27	700.0	5	0.27	0.05	200.0	6	0.74	0.15	200.0
	7	0.78	0.16	200.0	8	0.93	0.19	200.0	9	0.12	0.02	200.0
	10	0.59	0.12	200.0	11	0.62	0.12	200.0	12	0.77	0.15	200.0
	50	0.30	0.12	410.0	51	0.33	0.13	410.0				
71	1	0.65	0.32	500.0	2	0.63	0.31	500.0	3	0.63	0.44	700.0
	4	0.62	0.44	700.0	5	0.54	0.11	200.0	6	0.86	0.17	200.0
	7	0.83	0.17	200.0	8	0.90	0.18	200.0	9	0.74	0.15	200.0
	10	0.97	0.19	200.0	11	0.97	0.19	200.0	12	1.03	0.21	200.0
	50	0.71	0.29	410.0	51	0.78	0.32	410.0				
72	1	0.12	0.06	500.0	2	0.08	0.04	500.0	3	0.05	0.04	700.0
	4	0.04	0.03	700.0	5	0.30	0.06	200.0	6	0.52	0.10	200.0
	7	0.56	0.11	200.0	8	0.65	0.13	200.0	9	0.09	0.02	200.0
	10	0.38	0.08	200.0	11	0.41	0.08	200.0	12	0.52	0.10	200.0
	50	0.15	0.06	410.0	51	0.11	0.05	410.0				
73	1	0.61	0.31	500.0	2	0.63	0.32	500.0	3	0.68	0.48	700.0
	4	0.68	0.48	700.0	5	0.51	0.10	200.0	6	1.02	0.20	200.0
	7	0.99	0.20	200.0	8	1.07	0.21	200.0	9	0.74	0.15	200.0
	10	1.15	0.23	200.0	11	1.17	0.23	200.0	12	1.31	0.26	200.0
	50	0.61	0.25	410.0	51	0.71	0.29	410.0				
74	1	0.40	0.20	500.0	2	0.40	0.20	500.0	3	0.39	0.27	700.0
	4	0.39	0.27	700.0	5	0.27	0.05	200.0	6	0.73	0.15	200.0
	7	0.77	0.15	200.0	8	0.93	0.19	200.0	9	0.12	0.02	200.0
	10	0.59	0.12	200.0	11	0.63	0.13	200.0	12	0.78	0.16	200.0
	50	0.30	0.12	410.0	51	0.33	0.13	410.0				
75	1	0.70	0.35	500.0	2	0.67	0.34	500.0	3	0.67	0.47	700.0
	4	0.67	0.47	700.0	5	0.55	0.11	200.0	6	0.86	0.17	200.0
	7	0.81	0.16	200.0	8	0.85	0.17	200.0	9	0.75	0.15	200.0
	10	0.82	0.16	200.0	11	0.79	0.16	200.0	12	0.83	0.17	200.0
	50	0.74	0.30	410.0	51	0.81	0.33	410.0				
76	1	0.10	0.05	500.0	2	0.07	0.04	500.0	3	0.06	0.04	700.0
	4	0.06	0.04	700.0	5	0.31	0.06	200.0	6	0.52	0.10	200.0
	7	0.55	0.11	200.0	8	0.65	0.13	200.0	9	0.10	0.02	200.0
	10	0.59	0.12	200.0	11	0.63	0.13	200.0	12	0.73	0.15	200.0
	50	0.10	0.04	410.0	51	0.15	0.06	410.0				
77	1	0.59	0.29	500.0	2	0.60	0.30	500.0	3	0.66	0.46	700.0
	4	0.66	0.46	700.0	5	0.53	0.11	200.0	6	1.03	0.21	200.0
	7	0.99	0.20	200.0	8	1.09	0.22	200.0	9	0.76	0.15	200.0
	10	0.97	0.19	200.0	11	0.97	0.19	200.0	12	1.12	0.22	200.0
	50	0.63	0.26	410.0	51	0.72	0.29	410.0				

Cmb	Pilas.	1000 etaT/h	etaT	inter. h	Pilas.	1000 etaT/h	etaT	inter. h	Pilas.	1000 etaT/h	etaT	inter. h
			cm	cm			cm	cm			cm	cm
78	1	0.55	0.27	500.0	2	0.54	0.27	500.0	3	0.50	0.35	700.0
	4	0.51	0.35	700.0	5	0.28	0.06	200.0	6	0.75	0.15	200.0
	7	0.79	0.16	200.0	8	0.93	0.19	200.0	9	0.12	0.02	200.0
	10	0.81	0.16	200.0	11	0.85	0.17	200.0	12	0.98	0.20	200.0
	50	0.33	0.14	410.0	51	0.35	0.14	410.0				
79	1	0.69	0.35	500.0	2	0.67	0.33	500.0	3	0.67	0.47	700.0
	4	0.66	0.46	700.0	5	0.55	0.11	200.0	6	0.86	0.17	200.0
	7	0.82	0.16	200.0	8	0.88	0.18	200.0	9	0.75	0.15	200.0
	10	0.82	0.16	200.0	11	0.79	0.16	200.0	12	0.84	0.17	200.0
	50	0.74	0.31	410.0	51	0.81	0.33	410.0				
80	1	0.09	0.05	500.0	2	0.06	0.03	500.0	3	0.05	0.03	700.0
	4	0.04	0.03	700.0	5	0.31	0.06	200.0	6	0.53	0.11	200.0
	7	0.56	0.11	200.0	8	0.66	0.13	200.0	9	0.10	0.02	200.0
	10	0.59	0.12	200.0	11	0.62	0.12	200.0	12	0.72	0.14	200.0
	50	0.10	0.04	410.0	51	0.16	0.07	410.0				
81	1	0.58	0.29	500.0	2	0.60	0.30	500.0	3	0.65	0.46	700.0
	4	0.66	0.46	700.0	5	0.52	0.10	200.0	6	1.02	0.20	200.0
	7	0.98	0.20	200.0	8	1.06	0.21	200.0	9	0.76	0.15	200.0
	10	0.97	0.19	200.0	11	0.97	0.19	200.0	12	1.11	0.22	200.0
	50	0.62	0.26	410.0	51	0.72	0.29	410.0				
82	1	0.54	0.27	500.0	2	0.54	0.27	500.0	3	0.50	0.35	700.0
	4	0.50	0.35	700.0	5	0.28	0.06	200.0	6	0.73	0.15	200.0
	7	0.78	0.16	200.0	8	0.93	0.19	200.0	9	0.12	0.02	200.0
	10	0.81	0.16	200.0	11	0.85	0.17	200.0	12	0.99	0.20	200.0
	50	0.33	0.14	410.0	51	0.35	0.14	410.0				

Cmb	1000 etaT/h
	1.47

Di seguito si suddividono i tabulati per elemento strutturale e per livello di ciascuna delle tre zone, così da facilitare la consultazione dei dati e dei risultati ottenuti.

3.9 GRIGLIATURA

Si riportano i dati relativi alla geometria, i risultati del calcolo e il progetto degli elementi principali della zona della grigliatura.

3.9.1 FONDAZIONE

La platea di fondazione ha spessore 70 cm ed è collocata su due livelli, uno è il fondo della vasca innesco sifone e sollevamento (estradosso +1,50 m) e l'altro è a livello del pavimento piano terreno (estradosso +3,60 m).

3.9.1.1 MODELLAZIONE STRUTTURA: NODI
LEGENDA TABELLA DATI NODI

Il programma utilizza per la modellazione nodi strutturali.
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 sotto riportate 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

Per i nodi ai quali sia associato un codice di vincolamento rigido, un codice di fondazione speciale o un set di molle viene indicato in tabella:

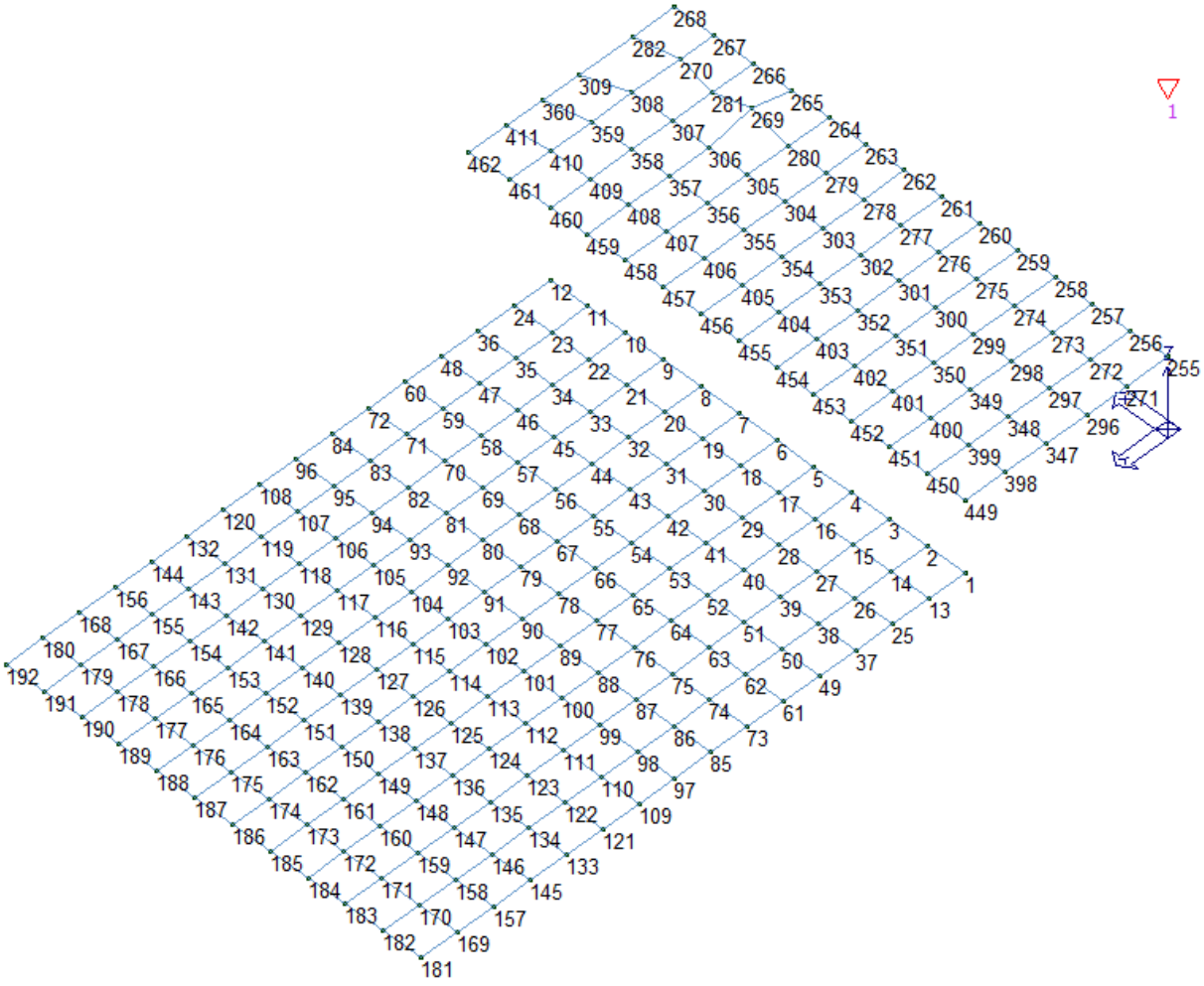
Nodo	numero del nodo.
X	valore della coordinata X
Y	valore della coordinata Y
Z	valore della coordinata Z
Note	eventuale codice di vincolo (es. v=110010 sei valori relativi ai sei gradi di libertà previsti per il nodo TxTyTzRxRyRz, il valore 1 indica che lo spostamento o rotazione relativo è impedito, 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).

TABELLA DATI NODI

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
1	0.0	560.0	0.0	2	104.0	560.0	0.0	3	208.0	560.0	0.0
4	312.0	560.0	0.0	5	416.0	560.0	0.0	6	520.0	560.0	0.0
7	624.0	560.0	0.0	8	728.0	560.0	0.0	9	832.0	560.0	0.0
10	936.0	560.0	0.0	11	1040.0	560.0	0.0	12	1144.0	560.0	0.0
13	0.0	660.0	0.0	14	104.0	660.0	0.0	15	208.0	660.0	0.0
16	312.0	660.0	0.0	17	416.0	660.0	0.0	18	520.0	660.0	0.0
19	624.0	660.0	0.0	20	728.0	660.0	0.0	21	832.0	660.0	0.0
22	936.0	660.0	0.0	23	1040.0	660.0	0.0	24	1144.0	660.0	0.0
25	0.0	760.0	0.0	26	104.0	760.0	0.0	27	208.0	760.0	0.0
28	312.0	760.0	0.0	29	416.0	760.0	0.0	30	520.0	760.0	0.0
31	624.0	760.0	0.0	32	728.0	760.0	0.0	33	832.0	760.0	0.0
34	936.0	760.0	0.0	35	1040.0	760.0	0.0	36	1144.0	760.0	0.0
37	0.0	860.0	0.0	38	104.0	860.0	0.0	39	208.0	860.0	0.0
40	312.0	860.0	0.0	41	416.0	860.0	0.0	42	520.0	860.0	0.0
43	624.0	860.0	0.0	44	728.0	860.0	0.0	45	832.0	860.0	0.0
46	936.0	860.0	0.0	47	1040.0	860.0	0.0	48	1144.0	860.0	0.0
49	0.0	960.0	0.0	50	104.0	960.0	0.0	51	208.0	960.0	0.0
52	312.0	960.0	0.0	53	416.0	960.0	0.0	54	520.0	960.0	0.0
55	624.0	960.0	0.0	56	728.0	960.0	0.0	57	832.0	960.0	0.0
58	936.0	960.0	0.0	59	1040.0	960.0	0.0	60	1144.0	960.0	0.0
61	0.0	1060.0	0.0	62	104.0	1060.0	0.0	63	208.0	1060.0	0.0
64	312.0	1060.0	0.0	65	416.0	1060.0	0.0	66	520.0	1060.0	0.0
67	624.0	1060.0	0.0	68	728.0	1060.0	0.0	69	832.0	1060.0	0.0
70	936.0	1060.0	0.0	71	1040.0	1060.0	0.0	72	1144.0	1060.0	0.0
73	0.0	1160.0	0.0	74	104.0	1160.0	0.0	75	208.0	1160.0	0.0
76	312.0	1160.0	0.0	77	416.0	1160.0	0.0	78	520.0	1160.0	0.0
79	624.0	1160.0	0.0	80	728.0	1160.0	0.0	81	832.0	1160.0	0.0
82	936.0	1160.0	0.0	83	1040.0	1160.0	0.0	84	1144.0	1160.0	0.0
85	0.0	1260.0	0.0	86	104.0	1260.0	0.0	87	208.0	1260.0	0.0
88	312.0	1260.0	0.0	89	416.0	1260.0	0.0	90	520.0	1260.0	0.0
91	624.0	1260.0	0.0	92	728.0	1260.0	0.0	93	832.0	1260.0	0.0
94	936.0	1260.0	0.0	95	1040.0	1260.0	0.0	96	1144.0	1260.0	0.0
97	0.0	1360.0	0.0	98	104.0	1360.0	0.0	99	208.0	1360.0	0.0
100	312.0	1360.0	0.0	101	416.0	1360.0	0.0	102	520.0	1360.0	0.0
103	624.0	1360.0	0.0	104	728.0	1360.0	0.0	105	832.0	1360.0	0.0
106	936.0	1360.0	0.0	107	1040.0	1360.0	0.0	108	1144.0	1360.0	0.0
109	0.0	1460.0	0.0	110	104.0	1460.0	0.0	111	208.0	1460.0	0.0
112	312.0	1460.0	0.0	113	416.0	1460.0	0.0	114	520.0	1460.0	0.0
115	624.0	1460.0	0.0	116	728.0	1460.0	0.0	117	832.0	1460.0	0.0
118	936.0	1460.0	0.0	119	1040.0	1460.0	0.0	120	1144.0	1460.0	0.0
121	0.0	1560.0	0.0	122	104.0	1560.0	0.0	123	208.0	1560.0	0.0
124	312.0	1560.0	0.0	125	416.0	1560.0	0.0	126	520.0	1560.0	0.0
127	624.0	1560.0	0.0	128	728.0	1560.0	0.0	129	832.0	1560.0	0.0
130	936.0	1560.0	0.0	131	1040.0	1560.0	0.0	132	1144.0	1560.0	0.0
133	0.0	1660.0	0.0	134	104.0	1660.0	0.0	135	208.0	1660.0	0.0
136	312.0	1660.0	0.0	137	416.0	1660.0	0.0	138	520.0	1660.0	0.0
139	624.0	1660.0	0.0	140	728.0	1660.0	0.0	141	832.0	1660.0	0.0
142	936.0	1660.0	0.0	143	1040.0	1660.0	0.0	144	1144.0	1660.0	0.0
145	0.0	1760.0	0.0	146	104.0	1760.0	0.0	147	208.0	1760.0	0.0
148	312.0	1760.0	0.0	149	416.0	1760.0	0.0	150	520.0	1760.0	0.0
151	624.0	1760.0	0.0	152	728.0	1760.0	0.0	153	832.0	1760.0	0.0
154	936.0	1760.0	0.0	155	1040.0	1760.0	0.0	156	1144.0	1760.0	0.0
157	0.0	1860.0	0.0	158	104.0	1860.0	0.0	159	208.0	1860.0	0.0
160	312.0	1860.0	0.0	161	416.0	1860.0	0.0	162	520.0	1860.0	0.0
163	624.0	1860.0	0.0	164	728.0	1860.0	0.0	165	832.0	1860.0	0.0
166	936.0	1860.0	0.0	167	1040.0	1860.0	0.0	168	1144.0	1860.0	0.0
169	0.0	1960.0	0.0	170	104.0	1960.0	0.0	171	208.0	1960.0	0.0
172	312.0	1960.0	0.0	173	416.0	1960.0	0.0	174	520.0	1960.0	0.0
175	624.0	1960.0	0.0	176	728.0	1960.0	0.0	177	832.0	1960.0	0.0
178	936.0	1960.0	0.0	179	1040.0	1960.0	0.0	180	1144.0	1960.0	0.0
181	0.0	2060.0	0.0	182	104.0	2060.0	0.0	183	208.0	2060.0	0.0
184	312.0	2060.0	0.0	185	416.0	2060.0	0.0	186	520.0	2060.0	0.0
187	624.0	2060.0	0.0	188	728.0	2060.0	0.0	189	832.0	2060.0	0.0
190	936.0	2060.0	0.0	191	1040.0	2060.0	0.0	192	1144.0	2060.0	0.0
255	0.0	0.0	200.0	256	104.0	0.0	200.0	257	208.0	0.0	200.0
258	312.0	0.0	200.0	259	416.0	0.0	200.0	260	520.0	0.0	200.0
261	624.0	0.0	200.0	262	728.0	0.0	200.0	263	832.0	0.0	200.0
264	936.0	0.0	200.0	265	1040.0	0.0	200.0	266	1144.0	0.0	200.0
267	1254.0	0.0	200.0	268	1364.0	0.0	200.0	269	1059.0	90.0	200.0
270	1254.0	90.0	200.0	271	0.0	112.0	200.0	272	104.0	112.0	200.0
273	208.0	112.0	200.0	274	312.0	112.0	200.0	275	416.0	112.0	200.0

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
276	520.0	112.0	200.0	277	624.0	112.0	200.0	278	728.0	112.0	200.0
279	832.0	112.0	200.0	280	936.0	112.0	200.0	281	1144.0	112.0	200.0
282	1364.0	112.0	200.0	296	0.0	224.0	200.0	297	104.0	224.0	200.0
298	208.0	224.0	200.0	299	312.0	224.0	200.0	300	416.0	224.0	200.0
301	520.0	224.0	200.0	302	624.0	224.0	200.0	303	728.0	224.0	200.0
304	832.0	224.0	200.0	305	936.0	224.0	200.0	306	1040.0	224.0	200.0
307	1144.0	224.0	200.0	308	1254.0	224.0	200.0	309	1364.0	260.0	200.0
347	0.0	336.0	200.0	348	104.0	336.0	200.0	349	208.0	336.0	200.0
350	312.0	336.0	200.0	351	416.0	336.0	200.0	352	520.0	336.0	200.0
353	624.0	336.0	200.0	354	728.0	336.0	200.0	355	832.0	336.0	200.0
356	936.0	336.0	200.0	357	1040.0	336.0	200.0	358	1144.0	336.0	200.0
359	1254.0	336.0	200.0	360	1364.0	361.3	200.0	398	0.0	448.0	200.0
399	104.0	448.0	200.0	400	208.0	448.0	200.0	401	312.0	448.0	200.0
402	416.0	448.0	200.0	403	520.0	448.0	200.0	404	624.0	448.0	200.0
405	728.0	448.0	200.0	406	832.0	448.0	200.0	407	936.0	448.0	200.0
408	1040.0	448.0	200.0	409	1144.0	448.0	200.0	410	1254.0	448.0	200.0
411	1364.0	462.5	200.0	449	0.0	560.0	200.0	450	104.0	560.0	200.0
451	208.0	560.0	200.0	452	312.0	560.0	200.0	453	416.0	560.0	200.0
454	520.0	560.0	200.0	455	624.0	560.0	200.0	456	728.0	560.0	200.0
457	832.0	560.0	200.0	458	936.0	560.0	200.0	459	1040.0	560.0	200.0
460	1144.0	560.0	200.0	461	1254.0	560.0	200.0	462	1364.0	563.8	200.0

Numerazione nodi

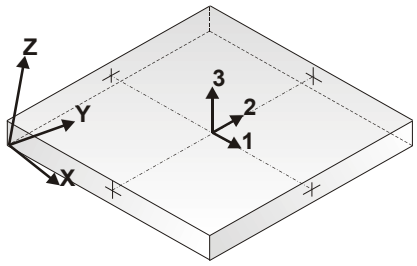


3.9.1.2 MODELLAZIONE STRUTTURA: ELEMENTI SHELL
LEGENDA TABELLA DATI SHELL

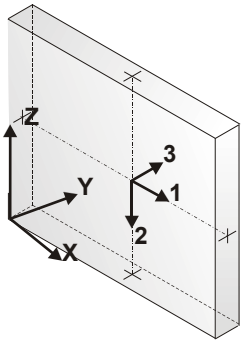
Il programma utilizza per la modellazione elementi a tre o quattro nodi denominati in generale shell.

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: *Guscio* (elemento guscio in elevazione non verticale) *Guscio fond.* (elemento guscio su suolo elastico) *Setto* (elemento guscio in elevazione verticale) *Membrana* (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

TABELLA DATI SHELL

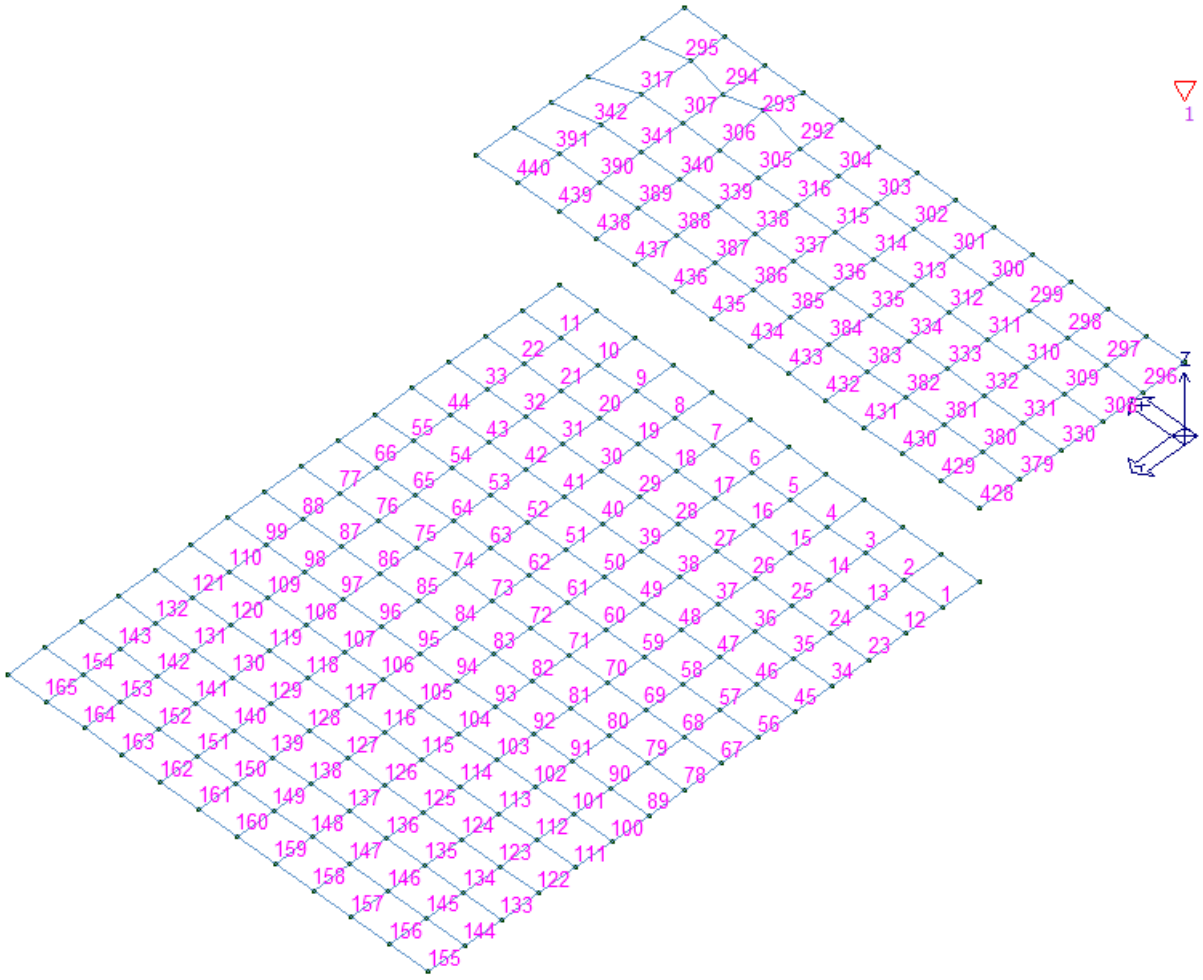
Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
1	Guscio fond.	1	2	14	13	4	70.0	1.00	1.00
2	Guscio fond.	2	3	15	14	4	70.0	1.00	1.00
3	Guscio fond.	3	4	16	15	4	70.0	1.00	1.00
4	Guscio fond.	4	5	17	16	4	70.0	1.00	1.00
5	Guscio fond.	5	6	18	17	4	70.0	1.00	1.00
6	Guscio fond.	6	7	19	18	4	70.0	1.00	1.00
7	Guscio fond.	7	8	20	19	4	70.0	1.00	1.00
8	Guscio fond.	8	9	21	20	4	70.0	1.00	1.00
9	Guscio fond.	9	10	22	21	4	70.0	1.00	1.00
10	Guscio fond.	10	11	23	22	4	70.0	1.00	1.00
11	Guscio fond.	11	12	24	23	4	70.0	1.00	1.00
12	Guscio fond.	13	14	26	25	4	70.0	1.00	1.00
13	Guscio fond.	14	15	27	26	4	70.0	1.00	1.00
14	Guscio fond.	15	16	28	27	4	70.0	1.00	1.00
15	Guscio fond.	16	17	29	28	4	70.0	1.00	1.00
16	Guscio fond.	17	18	30	29	4	70.0	1.00	1.00
17	Guscio fond.	18	19	31	30	4	70.0	1.00	1.00
18	Guscio fond.	19	20	32	31	4	70.0	1.00	1.00
19	Guscio fond.	20	21	33	32	4	70.0	1.00	1.00
20	Guscio fond.	21	22	34	33	4	70.0	1.00	1.00
21	Guscio fond.	22	23	35	34	4	70.0	1.00	1.00
22	Guscio fond.	23	24	36	35	4	70.0	1.00	1.00
23	Guscio fond.	25	26	38	37	4	70.0	1.00	1.00
24	Guscio fond.	26	27	39	38	4	70.0	1.00	1.00
25	Guscio fond.	27	28	40	39	4	70.0	1.00	1.00
26	Guscio fond.	28	29	41	40	4	70.0	1.00	1.00
27	Guscio fond.	29	30	42	41	4	70.0	1.00	1.00
28	Guscio fond.	30	31	43	42	4	70.0	1.00	1.00
29	Guscio fond.	31	32	44	43	4	70.0	1.00	1.00
30	Guscio fond.	32	33	45	44	4	70.0	1.00	1.00
31	Guscio fond.	33	34	46	45	4	70.0	1.00	1.00
32	Guscio fond.	34	35	47	46	4	70.0	1.00	1.00
33	Guscio fond.	35	36	48	47	4	70.0	1.00	1.00
34	Guscio fond.	37	38	50	49	4	70.0	1.00	1.00
35	Guscio fond.	38	39	51	50	4	70.0	1.00	1.00
36	Guscio fond.	39	40	52	51	4	70.0	1.00	1.00
37	Guscio fond.	40	41	53	52	4	70.0	1.00	1.00
38	Guscio fond.	41	42	54	53	4	70.0	1.00	1.00
39	Guscio fond.	42	43	55	54	4	70.0	1.00	1.00
40	Guscio fond.	43	44	56	55	4	70.0	1.00	1.00
41	Guscio fond.	44	45	57	56	4	70.0	1.00	1.00
42	Guscio fond.	45	46	58	57	4	70.0	1.00	1.00
43	Guscio fond.	46	47	59	58	4	70.0	1.00	1.00
44	Guscio fond.	47	48	60	59	4	70.0	1.00	1.00
45	Guscio fond.	49	50	62	61	4	70.0	1.00	1.00
46	Guscio fond.	50	51	63	62	4	70.0	1.00	1.00
47	Guscio fond.	51	52	64	63	4	70.0	1.00	1.00
48	Guscio fond.	52	53	65	64	4	70.0	1.00	1.00
49	Guscio fond.	53	54	66	65	4	70.0	1.00	1.00
50	Guscio fond.	54	55	67	66	4	70.0	1.00	1.00
51	Guscio fond.	55	56	68	67	4	70.0	1.00	1.00
52	Guscio fond.	56	57	69	68	4	70.0	1.00	1.00
53	Guscio fond.	57	58	70	69	4	70.0	1.00	1.00
54	Guscio fond.	58	59	71	70	4	70.0	1.00	1.00
55	Guscio fond.	59	60	72	71	4	70.0	1.00	1.00
56	Guscio fond.	61	62	74	73	4	70.0	1.00	1.00
57	Guscio fond.	62	63	75	74	4	70.0	1.00	1.00
58	Guscio fond.	63	64	76	75	4	70.0	1.00	1.00
59	Guscio fond.	64	65	77	76	4	70.0	1.00	1.00
60	Guscio fond.	65	66	78	77	4	70.0	1.00	1.00
61	Guscio fond.	66	67	79	78	4	70.0	1.00	1.00
62	Guscio fond.	67	68	80	79	4	70.0	1.00	1.00
63	Guscio fond.	68	69	81	80	4	70.0	1.00	1.00
64	Guscio fond.	69	70	82	81	4	70.0	1.00	1.00
65	Guscio fond.	70	71	83	82	4	70.0	1.00	1.00
66	Guscio fond.	71	72	84	83	4	70.0	1.00	1.00
67	Guscio fond.	73	74	86	85	4	70.0	1.00	1.00
68	Guscio fond.	74	75	87	86	4	70.0	1.00	1.00
69	Guscio fond.	75	76	88	87	4	70.0	1.00	1.00
70	Guscio fond.	76	77	89	88	4	70.0	1.00	1.00
71	Guscio fond.	77	78	90	89	4	70.0	1.00	1.00

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
72	Guscio fond.	78	79	91	90	4	70.0	1.00	1.00
73	Guscio fond.	79	80	92	91	4	70.0	1.00	1.00
74	Guscio fond.	80	81	93	92	4	70.0	1.00	1.00
75	Guscio fond.	81	82	94	93	4	70.0	1.00	1.00
76	Guscio fond.	82	83	95	94	4	70.0	1.00	1.00
77	Guscio fond.	83	84	96	95	4	70.0	1.00	1.00
78	Guscio fond.	85	86	98	97	4	70.0	1.00	1.00
79	Guscio fond.	86	87	99	98	4	70.0	1.00	1.00
80	Guscio fond.	87	88	100	99	4	70.0	1.00	1.00
81	Guscio fond.	88	89	101	100	4	70.0	1.00	1.00
82	Guscio fond.	89	90	102	101	4	70.0	1.00	1.00
83	Guscio fond.	90	91	103	102	4	70.0	1.00	1.00
84	Guscio fond.	91	92	104	103	4	70.0	1.00	1.00
85	Guscio fond.	92	93	105	104	4	70.0	1.00	1.00
86	Guscio fond.	93	94	106	105	4	70.0	1.00	1.00
87	Guscio fond.	94	95	107	106	4	70.0	1.00	1.00
88	Guscio fond.	95	96	108	107	4	70.0	1.00	1.00
89	Guscio fond.	97	98	110	109	4	70.0	1.00	1.00
90	Guscio fond.	98	99	111	110	4	70.0	1.00	1.00
91	Guscio fond.	99	100	112	111	4	70.0	1.00	1.00
92	Guscio fond.	100	101	113	112	4	70.0	1.00	1.00
93	Guscio fond.	101	102	114	113	4	70.0	1.00	1.00
94	Guscio fond.	102	103	115	114	4	70.0	1.00	1.00
95	Guscio fond.	103	104	116	115	4	70.0	1.00	1.00
96	Guscio fond.	104	105	117	116	4	70.0	1.00	1.00
97	Guscio fond.	105	106	118	117	4	70.0	1.00	1.00
98	Guscio fond.	106	107	119	118	4	70.0	1.00	1.00
99	Guscio fond.	107	108	120	119	4	70.0	1.00	1.00
100	Guscio fond.	109	110	122	121	4	70.0	1.00	1.00
101	Guscio fond.	110	111	123	122	4	70.0	1.00	1.00
102	Guscio fond.	111	112	124	123	4	70.0	1.00	1.00
103	Guscio fond.	112	113	125	124	4	70.0	1.00	1.00
104	Guscio fond.	113	114	126	125	4	70.0	1.00	1.00
105	Guscio fond.	114	115	127	126	4	70.0	1.00	1.00
106	Guscio fond.	115	116	128	127	4	70.0	1.00	1.00
107	Guscio fond.	116	117	129	128	4	70.0	1.00	1.00
108	Guscio fond.	117	118	130	129	4	70.0	1.00	1.00
109	Guscio fond.	118	119	131	130	4	70.0	1.00	1.00
110	Guscio fond.	119	120	132	131	4	70.0	1.00	1.00
111	Guscio fond.	121	122	134	133	4	70.0	1.00	1.00
112	Guscio fond.	122	123	135	134	4	70.0	1.00	1.00
113	Guscio fond.	123	124	136	135	4	70.0	1.00	1.00
114	Guscio fond.	124	125	137	136	4	70.0	1.00	1.00
115	Guscio fond.	125	126	138	137	4	70.0	1.00	1.00
116	Guscio fond.	126	127	139	138	4	70.0	1.00	1.00
117	Guscio fond.	127	128	140	139	4	70.0	1.00	1.00
118	Guscio fond.	128	129	141	140	4	70.0	1.00	1.00
119	Guscio fond.	129	130	142	141	4	70.0	1.00	1.00
120	Guscio fond.	130	131	143	142	4	70.0	1.00	1.00
121	Guscio fond.	131	132	144	143	4	70.0	1.00	1.00
122	Guscio fond.	133	134	146	145	4	70.0	1.00	1.00
123	Guscio fond.	134	135	147	146	4	70.0	1.00	1.00
124	Guscio fond.	135	136	148	147	4	70.0	1.00	1.00
125	Guscio fond.	136	137	149	148	4	70.0	1.00	1.00
126	Guscio fond.	137	138	150	149	4	70.0	1.00	1.00
127	Guscio fond.	138	139	151	150	4	70.0	1.00	1.00
128	Guscio fond.	139	140	152	151	4	70.0	1.00	1.00
129	Guscio fond.	140	141	153	152	4	70.0	1.00	1.00
130	Guscio fond.	141	142	154	153	4	70.0	1.00	1.00
131	Guscio fond.	142	143	155	154	4	70.0	1.00	1.00
132	Guscio fond.	143	144	156	155	4	70.0	1.00	1.00
133	Guscio fond.	145	146	158	157	4	70.0	1.00	1.00
134	Guscio fond.	146	147	159	158	4	70.0	1.00	1.00
135	Guscio fond.	147	148	160	159	4	70.0	1.00	1.00
136	Guscio fond.	148	149	161	160	4	70.0	1.00	1.00
137	Guscio fond.	149	150	162	161	4	70.0	1.00	1.00
138	Guscio fond.	150	151	163	162	4	70.0	1.00	1.00
139	Guscio fond.	151	152	164	163	4	70.0	1.00	1.00
140	Guscio fond.	152	153	165	164	4	70.0	1.00	1.00
141	Guscio fond.	153	154	166	165	4	70.0	1.00	1.00
142	Guscio fond.	154	155	167	166	4	70.0	1.00	1.00
143	Guscio fond.	155	156	168	167	4	70.0	1.00	1.00
144	Guscio fond.	157	158	170	169	4	70.0	1.00	1.00
145	Guscio fond.	158	159	171	170	4	70.0	1.00	1.00

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
146	Guscio fond.	159	160	172	171	4	70.0	1.00	1.00
147	Guscio fond.	160	161	173	172	4	70.0	1.00	1.00
148	Guscio fond.	161	162	174	173	4	70.0	1.00	1.00
149	Guscio fond.	162	163	175	174	4	70.0	1.00	1.00
150	Guscio fond.	163	164	176	175	4	70.0	1.00	1.00
151	Guscio fond.	164	165	177	176	4	70.0	1.00	1.00
152	Guscio fond.	165	166	178	177	4	70.0	1.00	1.00
153	Guscio fond.	166	167	179	178	4	70.0	1.00	1.00
154	Guscio fond.	167	168	180	179	4	70.0	1.00	1.00
155	Guscio fond.	169	170	182	181	4	70.0	1.00	1.00
156	Guscio fond.	170	171	183	182	4	70.0	1.00	1.00
157	Guscio fond.	171	172	184	183	4	70.0	1.00	1.00
158	Guscio fond.	172	173	185	184	4	70.0	1.00	1.00
159	Guscio fond.	173	174	186	185	4	70.0	1.00	1.00
160	Guscio fond.	174	175	187	186	4	70.0	1.00	1.00
161	Guscio fond.	175	176	188	187	4	70.0	1.00	1.00
162	Guscio fond.	176	177	189	188	4	70.0	1.00	1.00
163	Guscio fond.	177	178	190	189	4	70.0	1.00	1.00
164	Guscio fond.	178	179	191	190	4	70.0	1.00	1.00
165	Guscio fond.	179	180	192	191	4	70.0	1.00	1.00
292	Guscio fond.	264	265	269	280	4	70.0	1.00	1.00
293	Guscio fond.	265	266	281	269	4	70.0	1.00	1.00
294	Guscio fond.	266	267	270	281	4	70.0	1.00	1.00
295	Guscio fond.	267	268	282	270	4	70.0	1.00	1.00
296	Guscio fond.	255	256	272	271	4	70.0	1.00	1.00
297	Guscio fond.	256	257	273	272	4	70.0	1.00	1.00
298	Guscio fond.	257	258	274	273	4	70.0	1.00	1.00
299	Guscio fond.	258	259	275	274	4	70.0	1.00	1.00
300	Guscio fond.	259	260	276	275	4	70.0	1.00	1.00
301	Guscio fond.	260	261	277	276	4	70.0	1.00	1.00
302	Guscio fond.	261	262	278	277	4	70.0	1.00	1.00
303	Guscio fond.	262	263	279	278	4	70.0	1.00	1.00
304	Guscio fond.	263	264	280	279	4	70.0	1.00	1.00
305	Guscio fond.	280	269	306	305	4	70.0	1.00	1.00
306	Guscio fond.	269	281	307	306	4	70.0	1.00	1.00
307	Guscio fond.	281	270	308	307	4	70.0	1.00	1.00
308	Guscio fond.	271	272	297	296	4	70.0	1.00	1.00
309	Guscio fond.	272	273	298	297	4	70.0	1.00	1.00
310	Guscio fond.	273	274	299	298	4	70.0	1.00	1.00
311	Guscio fond.	274	275	300	299	4	70.0	1.00	1.00
312	Guscio fond.	275	276	301	300	4	70.0	1.00	1.00
313	Guscio fond.	276	277	302	301	4	70.0	1.00	1.00
314	Guscio fond.	277	278	303	302	4	70.0	1.00	1.00
315	Guscio fond.	278	279	304	303	4	70.0	1.00	1.00
316	Guscio fond.	279	280	305	304	4	70.0	1.00	1.00
317	Guscio fond.	270	282	309	308	4	70.0	1.00	1.00
330	Guscio fond.	296	297	348	347	4	70.0	1.00	1.00
331	Guscio fond.	297	298	349	348	4	70.0	1.00	1.00
332	Guscio fond.	298	299	350	349	4	70.0	1.00	1.00
333	Guscio fond.	299	300	351	350	4	70.0	1.00	1.00
334	Guscio fond.	300	301	352	351	4	70.0	1.00	1.00
335	Guscio fond.	301	302	353	352	4	70.0	1.00	1.00
336	Guscio fond.	302	303	354	353	4	70.0	1.00	1.00
337	Guscio fond.	303	304	355	354	4	70.0	1.00	1.00
338	Guscio fond.	304	305	356	355	4	70.0	1.00	1.00
339	Guscio fond.	305	306	357	356	4	70.0	1.00	1.00
340	Guscio fond.	306	307	358	357	4	70.0	1.00	1.00
341	Guscio fond.	307	308	359	358	4	70.0	1.00	1.00
342	Guscio fond.	308	309	360	359	4	70.0	1.00	1.00
379	Guscio fond.	347	348	399	398	4	70.0	1.00	1.00
380	Guscio fond.	348	349	400	399	4	70.0	1.00	1.00
381	Guscio fond.	349	350	401	400	4	70.0	1.00	1.00
382	Guscio fond.	350	351	402	401	4	70.0	1.00	1.00
383	Guscio fond.	351	352	403	402	4	70.0	1.00	1.00
384	Guscio fond.	352	353	404	403	4	70.0	1.00	1.00
385	Guscio fond.	353	354	405	404	4	70.0	1.00	1.00
386	Guscio fond.	354	355	406	405	4	70.0	1.00	1.00
387	Guscio fond.	355	356	407	406	4	70.0	1.00	1.00
388	Guscio fond.	356	357	408	407	4	70.0	1.00	1.00
389	Guscio fond.	357	358	409	408	4	70.0	1.00	1.00
390	Guscio fond.	358	359	410	409	4	70.0	1.00	1.00
391	Guscio fond.	359	360	411	410	4	70.0	1.00	1.00
428	Guscio fond.	398	399	450	449	4	70.0	1.00	1.00
429	Guscio fond.	399	400	451	450	4	70.0	1.00	1.00

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
430	Guscio fond.	400	401	452	451	4	70.0	1.00	1.00
431	Guscio fond.	401	402	453	452	4	70.0	1.00	1.00
432	Guscio fond.	402	403	454	453	4	70.0	1.00	1.00
433	Guscio fond.	403	404	455	454	4	70.0	1.00	1.00
434	Guscio fond.	404	405	456	455	4	70.0	1.00	1.00
435	Guscio fond.	405	406	457	456	4	70.0	1.00	1.00
436	Guscio fond.	406	407	458	457	4	70.0	1.00	1.00
437	Guscio fond.	407	408	459	458	4	70.0	1.00	1.00
438	Guscio fond.	408	409	460	459	4	70.0	1.00	1.00
439	Guscio fond.	409	410	461	460	4	70.0	1.00	1.00
440	Guscio fond.	410	411	462	461	4	70.0	1.00	1.00

Numerazione elementi fondazione



3.9.1.3 RISULTATI OPERE DI FONDAZIONE

LEGENDA RISULTATI OPERE DI FONDAZIONE

Il controllo dei risultati delle analisi condotte, per quanto concerne le opere di fondazione, è possibile in relazione alle tabelle sotto riportate.

La tabella seguente è riferita alle fondazioni tipo platea su suolo elastico.

Per questo tipo di fondazione vengono riportate le pressioni in ogni vertice (nodo) degli elementi costituenti la platea per ogni combinazione.

RISULTATI OPERE DI FONDAZIONE

Nodo (G)	Pt 1/12	Pt 2/13	Pt 3...	Pt 4...							
	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2
1	-0.85	-0.92	-0.96	-1.03	-0.65	-0.72	-0.76	-0.83	-1.27	-0.96	-0.87
	-0.83	-1.39	-1.45	-1.14	-1.05	-1.01	-1.57	-0.08	-0.22	-2.11	-2.26
	-0.07	-0.23	-2.11	-2.27	-0.06	-0.20	-2.13	-2.28	-0.05	-0.21	-2.13
	-2.29	-0.62	-1.10	-1.23	-1.71	-0.61	-1.10	-1.23	-1.72	-0.60	-1.12
	-1.21	-1.73	-0.59	-1.12	-1.21	-1.74	-0.65	-0.72	-1.61	-1.68	-0.65
	-0.72	-1.61	-1.68	-0.64	-0.71	-1.62	-1.69	-0.64	-0.71	-1.62	-1.69
	-0.91	-1.14	-1.19	-1.42	-0.90	-1.13	-1.20	-1.43	-0.90	-1.14	-1.19
	-1.43	-0.89	-1.14	-1.19	-1.44	-0.65	-0.70	-0.73	-0.77	-0.98	-0.74
	-0.67	-0.64	-1.07	-1.09	-0.86	-0.79	-0.76	-1.19			
2	-0.84	-0.91	-0.94	-1.01	-0.64	-0.71	-0.75	-0.82	-1.24	-0.94	-0.86
	-0.82	-1.37	-1.42	-1.12	-1.04	-1.00	-1.54	-0.22	-0.36	-1.93	-2.08
	-0.21	-0.37	-1.93	-2.08	-0.20	-0.35	-1.95	-2.09	-0.20	-0.35	-1.95
	-2.10	-0.65	-1.13	-1.16	-1.64	-0.65	-1.12	-1.17	-1.64	-0.63	-1.14
	-1.15	-1.66	-0.63	-1.14	-1.15	-1.66	-0.71	-0.78	-1.52	-1.58	-0.71
	-0.78	-1.51	-1.59	-0.70	-0.77	-1.52	-1.59	-0.70	-0.77	-1.52	-1.59
	-0.91	-1.14	-1.15	-1.38	-0.91	-1.13	-1.16	-1.38	-0.90	-1.14	-1.15
	-1.39	-0.90	-1.14	-1.15	-1.39	-0.64	-0.69	-0.71	-0.76	-0.96	-0.72
	-0.67	-0.63	-1.05	-1.07	-0.84	-0.78	-0.75	-1.17			
3	-0.82	-0.90	-0.92	-1.00	-0.63	-0.71	-0.73	-0.81	-1.22	-0.92	-0.86
	-0.82	-1.34	-1.39	-1.09	-1.03	-0.99	-1.52	-0.36	-0.50	-1.76	-1.90
	-0.36	-0.50	-1.75	-1.90	-0.35	-0.49	-1.77	-1.91	-0.34	-0.49	-1.77
	-1.91	-0.68	-1.15	-1.10	-1.57	-0.68	-1.15	-1.11	-1.57	-0.67	-1.16
	-1.09	-1.58	-0.67	-1.16	-1.09	-1.59	-0.77	-0.83	-1.42	-1.49	-0.76
	-0.83	-1.42	-1.49	-0.76	-0.82	-1.43	-1.50	-0.76	-0.83	-1.43	-1.50
	-0.92	-1.14	-1.11	-1.34	-0.92	-1.14	-1.12	-1.34	-0.91	-1.14	-1.11
	-1.34	-0.91	-1.14	-1.11	-1.34	-0.63	-0.68	-0.70	-0.75	-0.94	-0.71
	-0.66	-0.63	-1.03	-1.06	-0.82	-0.78	-0.74	-1.15			
4	-0.81	-0.89	-0.91	-0.98	-0.63	-0.70	-0.72	-0.79	-1.20	-0.90	-0.86
	-0.81	-1.33	-1.37	-1.07	-1.02	-0.98	-1.49	-0.50	-0.64	-1.58	-1.72
	-0.50	-0.64	-1.58	-1.73	-0.49	-0.63	-1.59	-1.73	-0.49	-0.63	-1.59
	-1.74	-0.72	-1.18	-1.04	-1.50	-0.71	-1.18	-1.04	-1.51	-0.71	-1.19
	-1.03	-1.51	-0.70	-1.19	-1.03	-1.52	-0.82	-0.89	-1.33	-1.40	-0.82
	-0.89	-1.33	-1.40	-0.82	-0.88	-1.34	-1.40	-0.82	-0.89	-1.34	-1.40
	-0.92	-1.14	-1.08	-1.30	-0.92	-1.14	-1.08	-1.30	-0.92	-1.15	-1.07
	-1.30	-0.92	-1.15	-1.07	-1.30	-0.63	-0.67	-0.69	-0.74	-0.93	-0.69
	-0.66	-0.62	-1.02	-1.04	-0.80	-0.77	-0.73	-1.13			
5	-0.80	-0.88	-0.89	-0.97	-0.62	-0.69	-0.71	-0.78	-1.19	-0.88	-0.85
	-0.80	-1.31	-1.35	-1.04	-1.02	-0.97	-1.47	-0.64	-0.78	-1.41	-1.55
	-0.64	-0.78	-1.41	-1.56	-0.63	-0.77	-1.42	-1.56	-0.63	-0.78	-1.42
	-1.56	-0.75	-1.21	-0.98	-1.44	-0.75	-1.21	-0.98	-1.44	-0.74	-1.22
	-0.97	-1.45	-0.74	-1.22	-0.97	-1.45	-0.88	-0.95	-1.25	-1.31	-0.88
	-0.95	-1.24	-1.31	-0.88	-0.94	-1.25	-1.31	-0.88	-0.94	-1.25	-1.31
	-0.93	-1.15	-1.04	-1.26	-0.93	-1.15	-1.04	-1.26	-0.93	-1.15	-1.04
	-1.26	-0.93	-1.15	-1.04	-1.26	-0.62	-0.67	-0.68	-0.73	-0.91	-0.68
	-0.66	-0.62	-1.01	-1.02	-0.79	-0.77	-0.73	-1.12			
6	-0.80	-0.87	-0.88	-0.96	-0.61	-0.69	-0.70	-0.77	-1.17	-0.86	-0.85
	-0.80	-1.29	-1.33	-1.02	-1.01	-0.96	-1.45	-0.78	-0.91	-1.25	-1.39
	-0.77	-0.92	-1.25	-1.39	-0.77	-0.91	-1.25	-1.39	-0.77	-0.91	-1.25
	-1.39	-0.78	-1.24	-0.92	-1.38	-0.78	-1.24	-0.92	-1.38	-0.77	-1.25
	-0.91	-1.39	-0.77	-1.25	-0.91	-1.39	-0.94	-1.00	-1.16	-1.22	-0.93

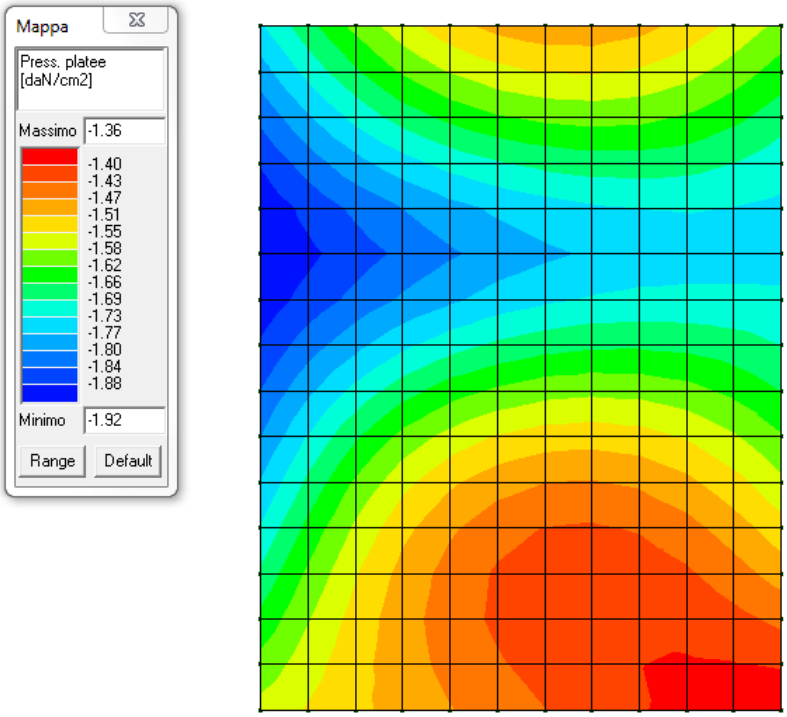
Nodo (G)	Pt 1/12	Pt 2/13	Pt 3...	Pt 4...							
	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2
	-1.00	-1.16	-1.23	-0.94	-1.00	-1.16	-1.23	-0.93	-1.00	-1.16	-1.23
	-0.94	-1.15	-1.01	-1.22	-0.94	-1.15	-1.01	-1.22	-0.93	-1.16	-1.00
	-1.23	-0.93	-1.16	-1.00	-1.23	-0.61	-0.66	-0.67	-0.72	-0.90	-0.66
	-0.65	-0.61	-0.99	-1.01	-0.77	-0.76	-0.72	-1.10			
7	-0.79	-0.87	-0.87	-0.95	-0.61	-0.68	-0.68	-0.76	-1.15	-0.84	-0.85
	-0.80	-1.28	-1.31	-1.00	-1.01	-0.95	-1.43	-0.89	-1.03	-1.10	-1.24
	-0.89	-1.04	-1.10	-1.25	-0.89	-1.03	-1.10	-1.24	-0.89	-1.04	-1.10
	-1.25	-0.81	-1.26	-0.87	-1.33	-0.81	-1.26	-0.87	-1.33	-0.79	-1.28
	-0.85	-1.34	-0.79	-1.28	-0.85	-1.34	-0.98	-1.05	-1.08	-1.15	-0.98
	-1.05	-1.08	-1.15	-0.99	-1.05	-1.08	-1.15	-0.98	-1.05	-1.08	-1.15
	-0.94	-1.16	-0.97	-1.19	-0.94	-1.16	-0.97	-1.19	-0.94	-1.17	-0.97
	-1.20	-0.94	-1.17	-0.97	-1.20	-0.61	-0.66	-0.66	-0.71	-0.89	-0.65
	-0.65	-0.61	-0.98	-0.99	-0.75	-0.76	-0.72	-1.09			
8	-0.78	-0.86	-0.85	-0.94	-0.60	-0.68	-0.67	-0.76	-1.13	-0.83	-0.85
	-0.79	-1.26	-1.29	-0.98	-1.00	-0.95	-1.42	-1.11	-1.25	-0.86	-1.00
	-1.11	-1.26	-0.85	-1.00	-1.11	-1.25	-0.86	-0.99	-1.11	-1.26	-0.85
	-1.00	-0.86	-1.32	-0.78	-1.25	-0.86	-1.32	-0.78	-1.25	-0.84	-1.34
	-0.76	-1.27	-0.84	-1.34	-0.76	-1.27	-1.08	-1.15	-0.96	-1.03	-1.08
	-1.15	-0.96	-1.03	-1.08	-1.15	-0.96	-1.02	-1.08	-1.15	-0.96	-1.03
	-0.96	-1.18	-0.93	-1.14	-0.96	-1.18	-0.93	-1.14	-0.95	-1.19	-0.92
	-1.15	-0.95	-1.19	-0.92	-1.15	-0.60	-0.65	-0.65	-0.70	-0.87	-0.64
	-0.65	-0.61	-0.97	-0.98	-0.74	-0.76	-0.71	-1.07			
9	-0.77	-0.86	-0.84	-0.93	-0.60	-0.68	-0.67	-0.75	-1.12	-0.81	-0.85
	-0.79	-1.25	-1.27	-0.96	-1.00	-0.94	-1.40	-1.23	-1.37	-0.71	-0.85
	-1.23	-1.38	-0.70	-0.86	-1.24	-1.38	-0.70	-0.84	-1.23	-1.39	-0.70
	-0.85	-0.89	-1.35	-0.73	-1.20	-0.89	-1.36	-0.73	-1.19	-0.86	-1.38
	-0.70	-1.22	-0.86	-1.38	-0.70	-1.22	-1.13	-1.20	-0.88	-0.95	-1.13
	-1.20	-0.88	-0.95	-1.14	-1.20	-0.88	-0.95	-1.13	-1.21	-0.88	-0.95
	-0.97	-1.19	-0.89	-1.11	-0.97	-1.19	-0.89	-1.11	-0.96	-1.20	-0.88
	-1.13	-0.96	-1.20	-0.88	-1.12	-0.60	-0.65	-0.64	-0.70	-0.86	-0.62
	-0.65	-0.61	-0.96	-0.96	-0.73	-0.76	-0.71	-1.06			
10	-0.77	-0.85	-0.83	-0.92	-0.59	-0.68	-0.66	-0.74	-1.10	-0.80	-0.85
	-0.79	-1.23	-1.25	-0.95	-1.00	-0.94	-1.38	-1.37	-1.52	-0.55	-0.69
	-1.36	-1.53	-0.54	-0.70	-1.38	-1.53	-0.54	-0.68	-1.37	-1.54	-0.53
	-0.69	-0.92	-1.39	-0.67	-1.14	-0.92	-1.39	-0.66	-1.14	-0.88	-1.42
	-0.64	-1.18	-0.89	-1.43	-0.63	-1.17	-1.19	-1.26	-0.80	-0.87	-1.19
	-1.26	-0.80	-0.87	-1.20	-1.26	-0.80	-0.86	-1.19	-1.27	-0.79	-0.87
	-0.98	-1.20	-0.86	-1.08	-0.98	-1.20	-0.86	-1.08	-0.96	-1.22	-0.84
	-1.10	-0.96	-1.22	-0.84	-1.10	-0.59	-0.65	-0.63	-0.69	-0.85	-0.61
	-0.66	-0.61	-0.95	-0.95	-0.71	-0.75	-0.71	-1.05			
11	-0.76	-0.85	-0.83	-0.91	-0.59	-0.67	-0.65	-0.73	-1.09	-0.78	-0.86
	-0.79	-1.22	-1.24	-0.93	-1.00	-0.94	-1.37	-1.52	-1.66	-0.38	-0.52
	-1.50	-1.67	-0.37	-0.54	-1.53	-1.68	-0.36	-0.51	-1.52	-1.69	-0.35
	-0.52	-0.95	-1.43	-0.61	-1.09	-0.95	-1.44	-0.60	-1.09	-0.91	-1.47
	-0.57	-1.13	-0.91	-1.48	-0.56	-1.13	-1.25	-1.32	-0.72	-0.79	-1.25
	-1.33	-0.71	-0.79	-1.26	-1.33	-0.71	-0.78	-1.26	-1.34	-0.70	-0.78
	-0.99	-1.21	-0.82	-1.05	-0.99	-1.22	-0.82	-1.05	-0.97	-1.23	-0.81
	-1.07	-0.97	-1.23	-0.80	-1.07	-0.59	-0.65	-0.63	-0.69	-0.84	-0.60
	-0.66	-0.61	-0.94	-0.94	-0.70	-0.76	-0.70	-1.04			
12	-0.76	-0.85	-0.82	-0.91	-0.59	-0.68	-0.64	-0.73	-1.08	-0.77	-0.86
	-0.79	-1.22	-1.22	-0.92	-1.00	-0.94	-1.36	-1.67	-1.81	-0.21	-0.36
	-1.65	-1.83	-0.20	-0.38	-1.68	-1.83	-0.19	-0.34	-1.67	-1.85	-0.18
	-0.36	-0.98	-1.48	-0.55	-1.04	-0.99	-1.48	-0.54	-1.04	-0.94	-1.53
	-0.50	-1.09	-0.94	-1.53	-0.49	-1.08	-1.32	-1.39	-0.63	-0.70	-1.31
	-1.40	-0.63	-0.71	-1.33	-1.40	-0.63	-0.70	-1.32	-1.41	-0.62	-0.70
	-1.00	-1.23	-0.79	-1.03	-1.00	-1.23	-0.79	-1.02	-0.98	-1.25	-0.77
	-1.05	-0.98	-1.26	-0.77	-1.05	-0.59	-0.65	-0.62	-0.68	-0.83	-0.59
	-0.66	-0.61	-0.94	-0.93	-0.69	-0.76	-0.70	-1.03			
13	-0.87	-0.94	-0.98	-1.05	-0.67	-0.74	-0.78	-0.85	-1.30	-0.99	-0.90
	-0.86	-1.43	-1.47	-1.16	-1.07	-1.04	-1.61	-0.16	-0.27	-2.12	-2.24
	-0.15	-0.28	-2.12	-2.25	-0.14	-0.25	-2.14	-2.26	-0.13	-0.26	-2.14
	-2.27	-0.70	-1.09	-1.29	-1.68	-0.70	-1.09	-1.30	-1.69	-0.68	-1.12
	-1.27	-1.71	-0.68	-1.11	-1.28	-1.71	-0.70	-0.76	-1.63	-1.69	-0.70
	-0.76	-1.63	-1.69	-0.70	-0.75	-1.64	-1.70	-0.69	-0.75	-1.64	-1.70
	-0.96	-1.15	-1.24	-1.43	-0.96	-1.14	-1.24	-1.43	-0.95	-1.16	-1.23
	-1.44	-0.95	-1.15	-1.23	-1.44	-0.67	-0.72	-0.74	-0.79	-1.00	-0.76
	-0.69	-0.67	-1.10	-1.11	-0.88	-0.81	-0.78	-1.22			
14	-0.85	-0.91	-0.95	-1.01	-0.65	-0.72	-0.75	-0.82	-1.26	-0.95	-0.88
	-0.84	-1.39	-1.43	-1.12	-1.05	-1.01	-1.56	-0.29	-0.40	-1.92	-2.03
	-0.29	-0.41	-1.92	-2.04	-0.28	-0.39	-1.94	-2.05	-0.27	-0.39	-1.93
	-2.05	-0.73	-1.10	-1.22	-1.59	-0.72	-1.10	-1.22	-1.60	-0.71	-1.12
	-1.20	-1.61	-0.71	-1.11	-1.21	-1.61	-0.75	-0.80	-1.52	-1.57	-0.75
	-0.81	-1.52	-1.58	-0.74	-0.80	-1.53	-1.58	-0.74	-0.80	-1.53	-1.58
	-0.96	-1.13	-1.19	-1.36	-0.95	-1.13	-1.19	-1.37	-0.95	-1.14	-1.18

Nodo (G)	Pt 1/12	Pt 2/13	Pt 3...	Pt 4...							
	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2
	-1.37	-0.95	-1.14	-1.18	-1.37	-0.65	-0.70	-0.72	-0.76	-0.97	-0.73
	-0.67	-0.65	-1.07	-1.08	-0.84	-0.79	-0.76	-1.18			
15	-0.82	-0.89	-0.91	-0.98	-0.63	-0.70	-0.72	-0.79	-1.23	-0.91	-0.86
	-0.82	-1.36	-1.39	-1.07	-1.02	-0.98	-1.52	-0.43	-0.53	-1.73	-1.84
	-0.42	-0.54	-1.73	-1.84	-0.41	-0.52	-1.74	-1.85	-0.41	-0.53	-1.74
	-1.86	-0.75	-1.12	-1.15	-1.51	-0.75	-1.11	-1.15	-1.51	-0.74	-1.13
	-1.13	-1.52	-0.74	-1.12	-1.14	-1.52	-0.80	-0.85	-1.41	-1.47	-0.80
	-0.85	-1.41	-1.47	-0.79	-0.84	-1.42	-1.47	-0.79	-0.85	-1.42	-1.47
	-0.95	-1.12	-1.14	-1.31	-0.95	-1.12	-1.14	-1.31	-0.95	-1.13	-1.13
	-1.31	-0.95	-1.13	-1.13	-1.32	-0.63	-0.68	-0.69	-0.74	-0.95	-0.70
	-0.66	-0.63	-1.05	-1.06	-0.81	-0.77	-0.74	-1.15			
16	-0.80	-0.87	-0.89	-0.95	-0.61	-0.68	-0.70	-0.77	-1.21	-0.88	-0.84
	-0.80	-1.33	-1.36	-1.04	-1.00	-0.96	-1.49	-0.56	-0.66	-1.55	-1.66
	-0.56	-0.67	-1.55	-1.66	-0.55	-0.66	-1.56	-1.67	-0.55	-0.66	-1.56
	-1.67	-0.78	-1.13	-1.08	-1.43	-0.78	-1.13	-1.08	-1.43	-0.77	-1.14
	-1.07	-1.44	-0.77	-1.14	-1.07	-1.44	-0.85	-0.90	-1.32	-1.37	-0.85
	-0.90	-1.32	-1.37	-0.84	-0.89	-1.32	-1.37	-0.84	-0.90	-1.32	-1.37
	-0.95	-1.12	-1.09	-1.26	-0.95	-1.12	-1.09	-1.26	-0.95	-1.12	-1.09
	-1.26	-0.95	-1.12	-1.09	-1.27	-0.61	-0.66	-0.67	-0.72	-0.93	-0.68
	-0.65	-0.62	-1.02	-1.03	-0.78	-0.75	-0.72	-1.13			
17	-0.78	-0.85	-0.86	-0.93	-0.60	-0.67	-0.68	-0.75	-1.18	-0.85	-0.83
	-0.79	-1.31	-1.34	-1.01	-0.98	-0.94	-1.46	-0.69	-0.79	-1.38	-1.49
	-0.69	-0.79	-1.38	-1.49	-0.68	-0.79	-1.39	-1.49	-0.68	-0.79	-1.39
	-1.50	-0.81	-1.15	-1.02	-1.36	-0.81	-1.15	-1.02	-1.37	-0.80	-1.16
	-1.01	-1.37	-0.80	-1.16	-1.01	-1.37	-0.90	-0.95	-1.23	-1.28	-0.90
	-0.95	-1.23	-1.28	-0.90	-0.95	-1.23	-1.28	-0.89	-0.95	-1.23	-1.28
	-0.96	-1.12	-1.05	-1.22	-0.95	-1.12	-1.05	-1.22	-0.95	-1.12	-1.05
	-1.22	-0.95	-1.12	-1.05	-1.22	-0.60	-0.65	-0.66	-0.70	-0.91	-0.66
	-0.64	-0.61	-1.01	-1.01	-0.76	-0.74	-0.71	-1.11			
18	-0.77	-0.84	-0.85	-0.92	-0.59	-0.66	-0.67	-0.74	-1.17	-0.83	-0.82
	-0.78	-1.29	-1.31	-0.98	-0.97	-0.93	-1.44	-0.81	-0.92	-1.23	-1.33
	-0.81	-0.92	-1.22	-1.33	-0.81	-0.92	-1.23	-1.33	-0.81	-0.92	-1.22
	-1.33	-0.83	-1.18	-0.96	-1.30	-0.83	-1.18	-0.96	-1.30	-0.83	-1.19
	-0.95	-1.31	-0.82	-1.19	-0.95	-1.31	-0.95	-1.00	-1.14	-1.19	-0.95
	-1.00	-1.14	-1.19	-0.95	-1.00	-1.14	-1.19	-0.95	-1.00	-1.14	-1.20
	-0.96	-1.12	-1.02	-1.18	-0.96	-1.12	-1.02	-1.18	-0.96	-1.13	-1.01
	-1.19	-0.95	-1.13	-1.01	-1.19	-0.59	-0.64	-0.64	-0.69	-0.90	-0.64
	-0.63	-0.60	-0.99	-1.00	-0.74	-0.73	-0.70	-1.09			
19	-0.76	-0.84	-0.84	-0.91	-0.59	-0.66	-0.66	-0.73	-1.15	-0.82	-0.82
	-0.78	-1.28	-1.29	-0.96	-0.97	-0.92	-1.42	-0.92	-1.02	-1.09	-1.20
	-0.92	-1.03	-1.09	-1.20	-0.92	-1.02	-1.09	-1.20	-0.92	-1.03	-1.09
	-1.20	-0.86	-1.20	-0.91	-1.26	-0.86	-1.20	-0.91	-1.26	-0.84	-1.22
	-0.90	-1.27	-0.84	-1.22	-0.90	-1.27	-0.99	-1.04	-1.07	-1.12	-0.99
	-1.04	-1.07	-1.12	-0.99	-1.04	-1.07	-1.12	-0.99	-1.04	-1.07	-1.12
	-0.96	-1.13	-0.99	-1.15	-0.96	-1.13	-0.99	-1.15	-0.96	-1.13	-0.98
	-1.16	-0.96	-1.13	-0.98	-1.16	-0.59	-0.64	-0.64	-0.68	-0.88	-0.63
	-0.63	-0.60	-0.98	-0.98	-0.72	-0.73	-0.69	-1.08			
20	-0.76	-0.84	-0.83	-0.90	-0.59	-0.66	-0.65	-0.73	-1.14	-0.81	-0.83
	-0.78	-1.26	-1.28	-0.95	-0.97	-0.92	-1.41	-1.12	-1.23	-0.87	-0.97
	-1.12	-1.24	-0.86	-0.98	-1.13	-1.23	-0.86	-0.97	-1.12	-1.24	-0.86
	-0.97	-0.91	-1.26	-0.83	-1.18	-0.91	-1.26	-0.83	-1.18	-0.89	-1.28
	-0.82	-1.20	-0.89	-1.28	-0.81	-1.20	-1.08	-1.13	-0.96	-1.01	-1.08
	-1.14	-0.96	-1.01	-1.09	-1.14	-0.96	-1.01	-1.08	-1.14	-0.96	-1.01
	-0.98	-1.15	-0.95	-1.11	-0.98	-1.15	-0.95	-1.11	-0.98	-1.16	-0.94
	-1.12	-0.98	-1.16	-0.94	-1.12	-0.59	-0.63	-0.63	-0.68	-0.87	-0.62
	-0.64	-0.60	-0.97	-0.97	-0.71	-0.73	-0.69	-1.07			
....											
462	-0.72	-0.81	-0.76	-0.85	-0.55	-0.65	-0.59	-0.69	-1.00	-0.71	-0.82
	-0.75	-1.13	-1.13	-0.85	-0.96	-0.89	-1.27	-1.83	-1.98	0.10	-0.05
	-1.82	-2.00	0.12	-0.07	-1.86	-2.01	0.12	-0.03	-1.84	-2.02	0.14
	-0.04	-0.98	-1.48	-0.40	-0.90	-0.99	-1.48	-0.40	-0.89	-0.92	-1.54
	-0.34	-0.96	-0.93	-1.54	-0.34	-0.95	-1.36	-1.43	-0.45	-0.52	-1.35
	-1.44	-0.44	-0.53	-1.37	-1.44	-0.44	-0.51	-1.37	-1.45	-0.43	-0.52
	-0.96	-1.19	-0.69	-0.92	-0.96	-1.20	-0.68	-0.92	-0.93	-1.22	-0.66
	-0.95	-0.94	-1.22	-0.66	-0.94	-0.55	-0.61	-0.58	-0.64	-0.77	-0.55
	-0.63	-0.58	-0.87	-0.86	-0.64	-0.72	-0.67	-0.96			

Min/Max
-2.29
0.33

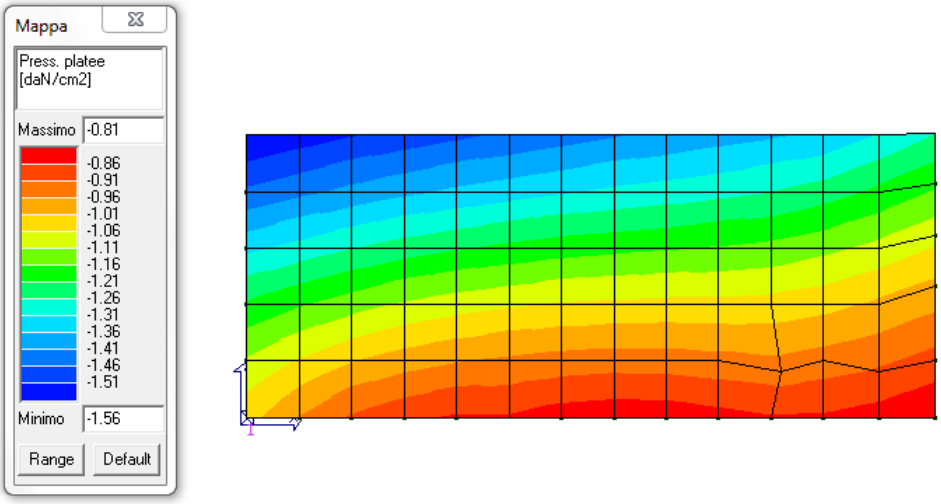
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Pressione massima combinazioni SLU STR A1 (CMB 18)

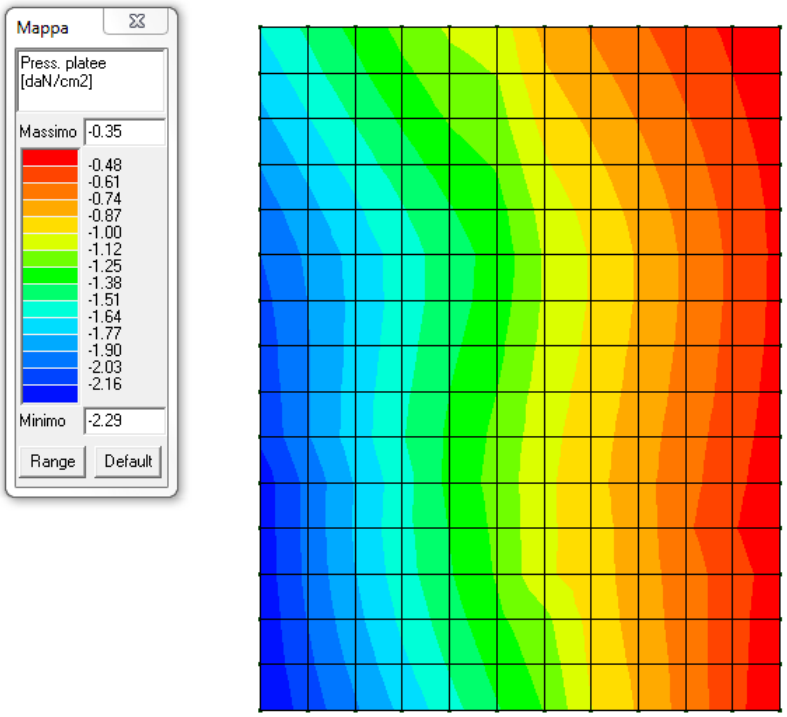


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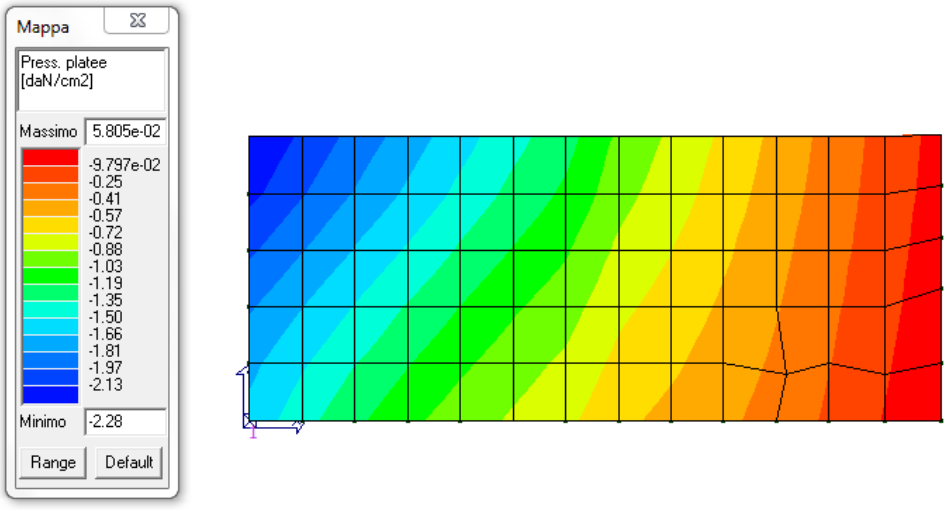
Pressione massima combinazioni SLU STR A1 (CMB 18)



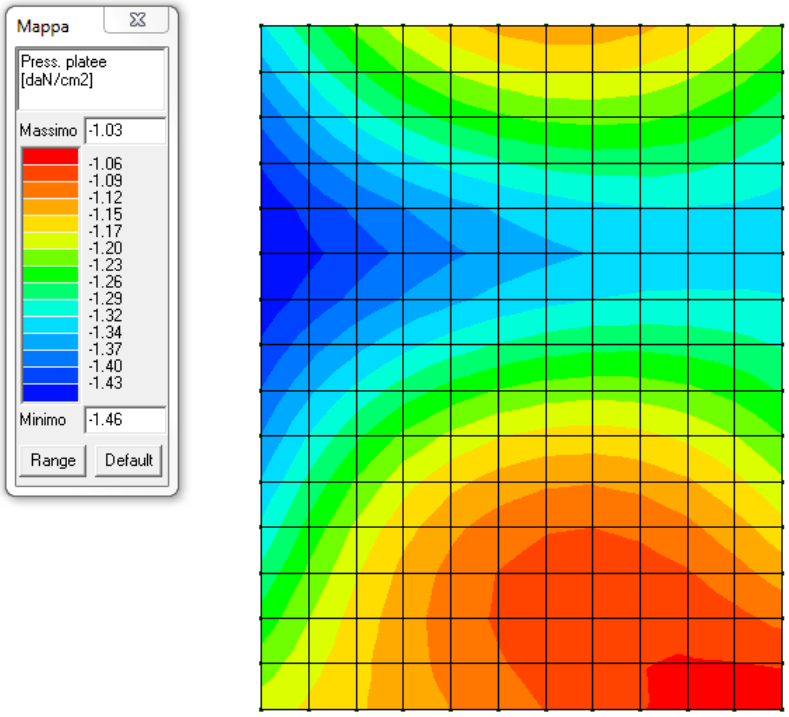
Pressione massima combinazioni SLV sismiche (CMB 34)



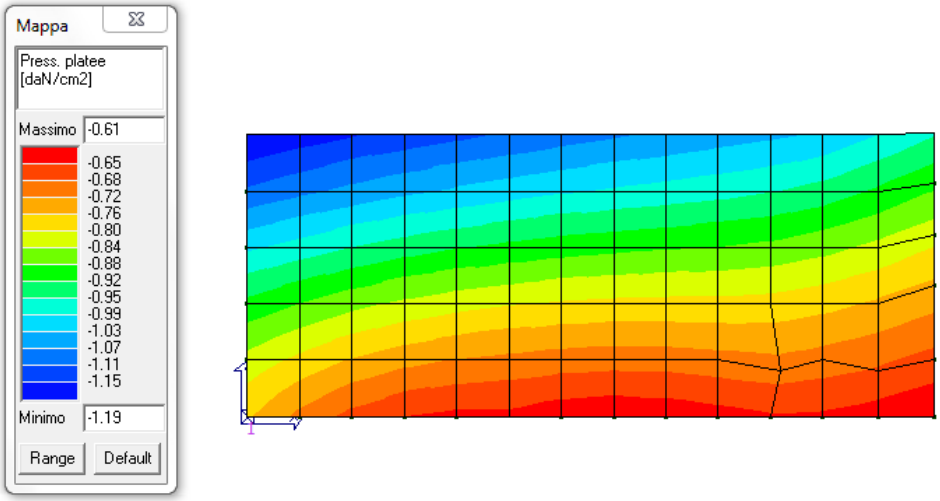
Pressione massima combinazioni SLV sismiche (CMB 34)



Pressione massima combinazioni SLE (rara) (CMB 96)



Pressione massima combinazioni SLE (rara) (CMB 96)



3.9.1.4 VERIFICHE ELEMENTI PARETE E GUSCIO IN C.A.
LEGENDA TABELLA VERIFICHE ELEMENTI PARETE E GUSCIO IN C.A.

Nel caso dei gusci e nel caso in cui la progettazione della parete sia integrata o effettuata del tutto con progettazione locale si produce una tabella nella quale vengono riportati per ogni macroelemento il numero dello stesso ed il codice di verifica.

Per la progettazione con il metodo degli stati limite vengono riportati il rapporto x/d, la verifica per sollecitazioni ultime e la verifica per compressione media con l'indicazione delle due combinazioni in cui si sono attinti i rispettivi valori.

Per ogni elemento viene riportata inoltre la maglia di armatura necessaria in relazione alle risultanze della progettazione dei nodi dell'elemento stesso (diametri in mm, passi in cm). Le quantità di armature necessarie sono armature (disposte rispettivamente in direzione principale e secondaria, inferiore e superiore) distribuite nell'elemento ed espresse in centimetri quadri per sviluppo lineare pari ad un metro.

La progettazione degli elementi strutturali con proprietà fondazione è effettuata (per travi e platee) incrementando le sollecitazioni delle combinazioni con sisma del fattore: γrd= 1.1 in CDB e γrd=1.3 in CDA per pali, plinti, travi e platee.

In particolare i simboli utilizzati assumono il seguente significato:

M_S	macroelemento di tipo setto (elementi verticali contigui ed analoghi per proprietà)
M_G	macroelemento di tipo guscio (elementi non verticali contigui ed analoghi per proprietà)
Stato	codice di verifica dell'elemento
Nodo	numero del nodo
x/d	rapporto tra posizione dell'asse neutro e altezza utile alla rottura della sezione (per sola flessione)
verif.	rapporto Sd/Su con sollecitazioni ultime ~~proporzionali~~: valore minore o uguale a 1 per verifica positiva
Ver.rd	rapporto Nd/Nu (Nu ottenuto con riduzione del 25% di fcd): valore minore o uguale a 1 per verifica positiva
Rete pr	maglia di armatura (diametro/passo) in direzione principale inferiore e superiore
Rete sec	maglia di armatura (diametro/passo) in direzione secondaria inferiore e superiore
Aggiuntivi	relativa armatura aggiuntiva (diametro/passo) inferiore (i) e superiore (s) eventualmente differenziate
sc max	massima tensione di compressione del calcestruzzo
sc med	massima tensione media di compressione del calcestruzzo
sf max	massima tensione dell'acciaio
Rif. cmb	combinazioni di carico in cui si verificano i valori riportati
Af pr-	quantità di armatura richiesta in direzione principale relativa alla faccia negativa (intradosso piastre) (valore derivante da calcolo o minimo normativo)
Af pr+	quantità di armatura richiesta in direzione principale relativa alla faccia positiva (estradosso

		piastre) (valore derivante da calcolo o minimo normativo)
Af sec-	**Af sec+**	valori analoghi a quelli sopraripportati ma relativi alla armatura secondaria
N	**M**	azioni membranali e flessionali (in direzione dell'armatura principale e secondaria) estratte, poiché rappresentative, tra quelle utilizzate per il progetto e la verifica

TABELLA VERIFICHE ELEMENTI GUSCIO IN C.A.

M_G	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
1	ok 1	0.07	0.2	3.41e-02	15.7	15.7	15.7	15.7	-266.5	-141.5	147.6	-2184.2	-0.4	-5959.1
1	ok 2	0.07	0.4	4.07e-02	15.7	15.7	15.7	15.7	-435.3	184.0	40.8	6200.5	3438.3	-7869.7
1	ok 3	0.07	0.3	3.96e-02	15.7	15.7	15.7	15.7	-305.2	8.0	-4.4	606.8	-1.021e+04	-5210.5
1	ok 4	0.07	0.5	3.79e-02	15.7	15.7	15.7	15.7	-323.9	-26.9	-1.8	-737.2	-1.535e+04	-3650.1
1	ok 5	0.07	0.5	3.57e-02	15.7	15.7	15.7	15.7	-336.6	-46.9	-2.8	-1674.0	-1.895e+04	-2128.9
1	ok 6	0.07	0.6	3.40e-02	15.7	15.7	15.7	15.7	-339.7	-56.7	-4.9	-2174.2	-2.073e+04	-681.0
1	ok 7	0.07	0.6	3.28e-02	15.7	15.7	15.7	15.7	-327.9	-54.9	-7.3	-2203.4	-2.051e+04	1112.2
1	ok 8	0.07	0.5	3.34e-02	15.7	15.7	15.7	15.7	-313.6	-46.3	-11.2	-1798.5	-1.858e+04	2476.1
1	ok 9	0.07	0.4	3.43e-02	15.7	15.7	15.7	15.7	-307.3	-25.9	-19.2	-854.5	-1.515e+04	3783.8
1	ok 10	0.07	0.3	3.52e-02	15.7	15.7	15.7	15.7	-276.1	7.9	-29.1	362.7	-9722.1	5284.0
1	ok 11	0.07	0.3	3.75e-02	15.7	15.7	15.7	15.7	-374.6	166.0	-130.6	5677.8	3539.5	6052.7
1	ok 12	0.07	0.1	3.86e-02	15.7	15.7	15.7	15.7	-263.4	-155.5	-199.1	-1555.1	352.1	4256.3
1	ok 13	0.07	0.4	1.89e-02	15.7	15.7	15.7	15.7	-11.0	276.2	308.6	1070.3	3470.2	-1.007e+04
1	ok 14	0.07	0.7	1.43e-02	15.7	15.7	15.7	15.7	-127.7	226.0	20.5	1.117e+04	7124.9	-1.455e+04
1	ok 15	0.07	0.6	1.80e-02	15.7	15.7	15.7	15.7	-179.1	227.9	36.1	1.309e+04	1.047e+04	-9343.2
1	ok 16	0.07	0.4	1.97e-02	15.7	15.7	15.7	15.7	-202.5	201.4	35.1	1.182e+04	1.098e+04	-2860.8
1	ok 17	0.07	0.4	2.05e-02	15.7	15.7	15.7	15.7	-192.1	172.0	28.1	9060.0	9558.2	2065.0
1	ok 18	0.07	0.4	2.08e-02	15.7	15.7	15.7	15.7	-175.7	154.6	20.7	6593.3	7740.1	6179.7
1	ok 19	0.07	0.4	2.07e-02	15.7	15.7	15.7	15.7	-157.6	144.2	20.1	4582.4	6014.1	8664.3
1	ok 20	0.07	0.4	2.01e-02	15.7	15.7	15.7	15.7	-175.3	176.4	-16.9	4203.6	6530.0	6038.5
1	ok 21	0.07	0.4	1.93e-02	15.7	15.7	15.7	15.7	-181.2	188.9	-61.9	6860.6	7651.5	5179.2
1	ok 22	0.07	0.5	1.81e-02	15.7	15.7	15.7	15.7	-142.4	220.1	-110.5	9914.3	6834.8	8055.7
1	ok 23	0.07	0.6	1.53e-02	15.7	15.7	15.7	15.7	-47.3	193.4	-164.7	7950.0	6187.6	1.506e+04
1	ok 24	0.07	0.4	2.42e-02	15.7	15.7	15.7	15.7	-68.4	44.5	-170.8	-6323.0	-881.4	7500.7
1	ok 25	0.07	0.4	1.33e-02	15.7	15.7	15.7	15.7	172.4	483.8	231.6	6923.7	4176.3	-8291.0
1	ok 26	0.07	0.8	1.25e-02	15.7	15.7	15.7	15.7	78.2	294.7	137.1	1.786e+04	1.029e+04	-1.080e+04
1	ok 27	0.07	0.8	1.23e-02	15.7	15.7	15.7	15.7	24.5	257.6	84.8	1.970e+04	1.486e+04	-7719.3
1	ok 28	0.07	0.6	1.25e-02	15.7	15.7	15.7	15.7	-26.6	202.4	46.3	1.918e+04	1.745e+04	-2443.7
1	ok 29	0.07	0.6	1.25e-02	15.7	15.7	15.7	15.7	-40.6	181.2	39.4	1.569e+04	1.643e+04	2086.7
1	ok 30	0.07	0.6	1.26e-02	15.7	15.7	15.7	15.7	-42.8	158.8	25.3	1.179e+04	1.469e+04	5494.8
1	ok 31	0.07	0.6	1.27e-02	15.7	15.7	15.7	15.7	-135.5	-40.4	-17.8	1.243e+04	1.577e+04	2060.3
1	ok 32	0.07	0.5	1.28e-02	15.7	15.7	15.7	15.7	-130.3	-24.5	-34.1	1.234e+04	1.489e+04	5644.1
1	ok 33	0.07	0.6	1.29e-02	15.7	15.7	15.7	15.7	-120.6	4.5	-54.7	1.181e+04	1.299e+04	9029.6
1	ok 34	0.07	0.6	1.28e-02	15.7	15.7	15.7	15.7	42.6	227.9	-146.7	1.640e+04	1.175e+04	5076.9
1	ok 35	0.07	0.6	1.30e-02	15.7	15.7	15.7	15.7	94.2	270.4	-201.6	1.536e+04	8338.7	9584.3
1	ok 36	0.07	0.4	1.52e-02	15.7	15.7	15.7	15.7	176.4	457.3	-301.0	7630.6	3971.1	6620.3
1	ok 37	0.07	0.4	1.30e-02	15.7	15.7	15.7	15.7	222.5	571.5	257.0	1.099e+04	4190.6	-4290.2
1	ok 38	0.07	0.8	1.13e-02	15.7	15.7	15.7	15.7	171.1	385.8	199.9	2.216e+04	1.166e+04	-6188.1
1	ok 39	0.07	0.8	9.31e-03	15.7	15.7	15.7	15.7	125.0	292.0	112.6	2.435e+04	1.764e+04	-3107.7
1	ok 40	0.07	0.8	7.94e-03	15.7	15.7	15.7	15.7	97.6	230.4	71.5	2.373e+04	2.077e+04	-913.0
1	ok 41	0.07	0.8	6.90e-03	15.7	15.7	15.7	15.7	-67.9	-9.1	13.9	1.805e+04	2.235e+04	-3498.7
1	ok 42	0.07	0.7	6.36e-03	15.7	15.7	15.7	15.7	-68.3	-28.0	-1.6	1.774e+04	2.364e+04	-1112.2
1	ok 43	0.07	0.7	7.00e-03	15.7	15.7	15.7	15.7	-67.0	-26.2	-19.5	1.765e+04	2.359e+04	1524.6
1	ok 44	0.07	0.7	7.78e-03	15.7	15.7	15.7	15.7	-64.9	-6.7	-38.5	1.729e+04	2.197e+04	4103.2
1	ok 45	0.07	0.7	8.61e-03	15.7	15.7	15.7	15.7	-60.5	28.6	-63.9	1.604e+04	1.867e+04	6467.2
1	ok 46	0.07	0.7	9.81e-03	15.7	15.7	15.7	15.7	163.3	271.5	-191.8	2.011e+04	1.388e+04	2901.1
1	ok 47	0.07	0.7	1.17e-02	15.7	15.7	15.7	15.7	191.7	372.3	-256.3	1.944e+04	9511.1	4340.5
1	ok 48	0.07	0.6	1.35e-02	15.7	15.7	15.7	15.7	225.7	560.1	-322.3	1.161e+04	3619.4	3924.7
1	ok 49	0.07	0.8	1.25e-02	15.7	16.3	15.7	16.3	240.1	623.8	272.4	1.324e+04	4449.9	-159.8
1	ok 50	0.07	0.9	9.60e-03	15.7	17.2	15.7	17.2	220.4	477.0	225.8	2.459e+04	1.217e+04	-542.4
1	ok 51	0.07	0.9	6.62e-03	15.7	17.2	15.7	17.2	183.1	343.5	134.4	2.676e+04	1.845e+04	291.1
1	ok 52	0.07	0.9	4.50e-03	15.7	16.2	15.7	16.2	168.8	257.3	87.1	2.604e+04	2.187e+04	1182.1
1	ok 53	0.07	0.9	3.00e-03	15.7	15.7	15.7	15.7	-21.2	10.9	14.8	2.089e+04	2.555e+04	-1583.8
1	ok 54	0.07	0.8	2.01e-03	15.7	15.7	15.7	15.7	-18.4	-12.8	-1.9	2.073e+04	2.723e+04	-454.4
1	ok 55	0.07	0.8	3.42e-03	15.7	15.7	15.7	15.7	-17.4	-10.9	-19.6	2.064e+04	2.718e+04	809.6
1	ok 56	0.07	0.7	4.32e-03	15.7	15.7	15.7	15.7	-18.3	13.0	-38.7	2.008e+04	2.520e+04	2038.9
1	ok 57	0.07	0.9	5.35e-03	15.7	15.7	15.7	15.7	-20.4	57.3	-65.2	1.839e+04	2.125e+04	3140.8
1	ok 58	0.07	0.9	7.15e-03	15.7	16.2	15.7	16.2	216.3	339.9	-213.5	2.208e+04	1.471e+04	-192.3
1	ok 59	0.07	0.9	9.92e-03	15.7	16.6	15.7	16.6	223.3	473.1	-273.8	2.156e+04	9914.2	392.6
1	ok 60	0.07	0.8	1.26e-02	15.7	17.3	15.7	17.3	242.9	663.4	-416.3	1.444e+04	3917.7	723.6
1	ok 61	0.07	0.9	1.15e-02	15.7	18.9	15.7	18.9	242.6	674.2	407.5	1.405e+04	4132.1	3589.8

M_G	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
1	ok 62	0.07	0.9	7.42e-03	15.7	20.1	15.7	20.1	230.9	537.6	228.5	2.473e+04	1.142e+04	4960.4
1	ok 63	0.07	0.9	3.97e-03	15.7	19.1	15.7	19.1	207.0	404.1	137.7	2.662e+04	1.757e+04	3660.8
1	ok 64	0.07	0.9	1.59e-03	15.7	17.4	15.7	17.4	205.1	294.2	91.0	2.576e+04	2.075e+04	3133.6
1	ok 65	0.07	0.9	5.78e-04	15.7	15.7	15.7	15.7	7.8	29.0	12.5	2.142e+04	2.554e+04	517.9
1	ok 66	0.07	0.8	8.56e-04	15.7	15.7	15.7	15.7	12.5	0.8	-5.6	2.141e+04	2.721e+04	263.6
1	ok 67	0.07	0.8	1.52e-03	15.7	15.7	15.7	15.7	14.4	1.9	-17.8	2.124e+04	2.723e+04	37.3
1	ok 68	0.07	0.8	1.72e-03	15.7	15.7	15.7	15.7	11.2	30.6	-34.2	2.062e+04	2.524e+04	-210.4
1	ok 69	0.07	0.9	2.63e-03	15.7	15.7	15.7	15.7	4.2	84.6	-58.2	1.882e+04	2.126e+04	-475.8
1	ok 70	0.07	0.9	4.50e-03	15.7	18.0	15.7	18.0	240.2	467.2	-166.5	2.212e+04	1.420e+04	-2699.9
1	ok 71	0.07	0.9	7.70e-03	15.7	19.2	15.7	19.2	239.1	622.1	-243.0	2.198e+04	9680.4	-3055.5
1	ok 72	0.07	0.9	1.15e-02	15.7	19.5	15.7	19.5	247.7	764.2	-418.6	1.518e+04	3721.3	-2161.0
1	ok 73	0.08	0.9	9.98e-03	15.7	21.0	15.7	21.0	241.7	779.1	411.8	1.356e+04	3235.6	6921.2
1	ok 74	0.08	0.9	5.26e-03	15.7	21.9	15.7	21.9	228.6	624.0	213.7	2.269e+04	9520.4	9545.5
1	ok 75	0.07	0.9	1.76e-03	15.7	19.8	15.7	19.8	211.0	463.3	126.6	2.403e+04	1.481e+04	6680.1
1	ok 76	0.07	0.9	1.59e-04	15.7	17.0	15.7	17.0	217.3	330.1	83.6	2.307e+04	1.728e+04	4809.0
1	ok 77	0.07	0.8	0.0	15.7	15.7	15.7	15.7	21.3	44.7	7.5	1.960e+04	2.223e+04	2463.2
1	ok 78	0.07	0.7	1.19e-04	15.7	15.7	15.7	15.7	27.4	10.7	-5.6	1.950e+04	2.369e+04	938.6
1	ok 79	0.07	0.7	6.66e-04	15.7	15.7	15.7	15.7	27.8	12.5	-15.9	1.943e+04	2.364e+04	-681.6
1	ok 80	0.07	0.7	5.27e-04	15.7	15.7	15.7	15.7	24.7	45.8	-28.4	1.888e+04	2.195e+04	-2289.4
1	ok 81	0.07	0.9	8.79e-04	15.7	15.7	15.7	15.7	16.9	109.2	-47.8	1.727e+04	1.853e+04	-3832.7
1	ok 82	0.07	0.9	2.33e-03	15.7	18.5	15.7	18.5	242.2	522.0	-172.1	2.015e+04	1.215e+04	-5296.7
1	ok 83	0.08	0.9	5.49e-03	15.7	21.2	15.7	21.2	235.9	743.6	-220.7	2.027e+04	8119.8	-6986.3
1	ok 84	0.08	0.9	9.94e-03	15.7	21.5	15.7	21.5	234.5	845.1	-300.3	1.444e+04	2903.2	-5015.0
1	ok 85	0.08	0.9	8.38e-03	15.7	22.3	15.7	22.3	216.0	921.1	411.2	1.156e+04	1396.9	9714.6
1	ok 86	0.08	0.9	3.42e-03	15.7	22.3	15.7	22.3	196.1	710.8	197.0	1.836e+04	5974.8	1.270e+04
1	ok 87	0.07	0.9	7.46e-04	15.7	18.6	15.7	18.6	207.9	520.9	136.3	1.841e+04	9042.8	9853.4
1	ok 88	0.07	0.8	0.0	15.7	15.7	15.7	15.7	216.1	359.8	70.6	1.803e+04	1.039e+04	5875.7
1	ok 89	0.07	0.6	0.0	15.7	15.7	15.7	15.7	15.3	56.3	4.5	1.549e+04	1.466e+04	3917.7
1	ok 90	0.07	0.5	0.0	15.7	15.7	15.7	15.7	17.7	18.4	-6.5	1.534e+04	1.548e+04	1427.0
1	ok 91	0.07	0.5	5.02e-04	15.7	15.7	15.7	15.7	18.2	20.0	-14.8	1.528e+04	1.545e+04	-1220.0
1	ok 92	0.07	0.6	4.85e-04	15.7	15.7	15.7	15.7	18.1	56.9	-24.5	1.489e+04	1.439e+04	-3855.8
1	ok 93	0.07	0.7	6.02e-04	15.7	15.7	15.7	15.7	15.3	128.8	-39.3	1.372e+04	1.218e+04	-6415.4
1	ok 94	0.07	0.9	1.24e-03	15.7	17.4	15.7	17.4	227.2	602.2	-143.9	1.596e+04	7260.2	-7330.8
1	ok 95	0.08	0.9	3.66e-03	15.7	22.0	15.7	22.0	206.1	823.3	-204.3	1.634e+04	4812.7	-9792.0
1	ok 96	0.08	0.9	8.28e-03	15.7	23.1	15.8	23.1	218.6	993.1	-445.0	1.281e+04	1446.6	-7921.3
1	ok 97	0.08	0.8	9.62e-03	16.3	22.9	21.5	22.9	170.9	1284.5	369.2	6413.2	-4847.5	1.060e+04
1	ok 98	0.07	0.9	2.22e-03	18.0	20.3	18.0	20.3	180.3	940.4	122.0	1.052e+04	-4252.4	1.398e+04
1	ok 99	0.07	0.8	1.22e-03	15.7	15.7	15.7	15.7	166.0	636.3	45.5	1.038e+04	-4847.4	1.053e+04
1	ok 100	0.07	0.5	1.38e-03	15.7	15.7	15.7	15.7	167.7	420.3	-3.6	1.006e+04	-5662.2	5846.6
1	ok 101	0.07	0.3	1.88e-03	15.7	15.7	15.7	15.7	165.1	279.9	-21.5	8506.3	-6498.3	2226.2
1	ok 102	0.07	0.3	2.52e-03	15.7	15.7	15.7	15.7	139.4	198.0	-23.1	4918.8	-7037.5	-1024.2
1	ok 103	0.07	0.3	2.95e-03	15.7	15.7	15.7	15.7	186.1	199.3	10.2	4749.1	-7540.9	979.7
1	ok 104	0.07	0.3	2.74e-03	15.7	15.7	15.7	15.7	198.4	286.0	9.2	6372.4	-7444.1	-879.7
1	ok 105	0.07	0.4	2.04e-03	15.7	15.7	15.7	15.7	196.1	444.4	-3.5	7779.6	-7037.1	-4194.1
1	ok 106	0.07	0.6	1.69e-03	15.7	15.7	15.7	15.7	189.6	686.0	-59.7	8552.9	-6276.2	-8080.2
1	ok 107	0.07	0.9	2.53e-03	16.9	19.8	19.0	19.8	182.3	1030.5	-164.8	7114.7	-5989.0	-1.348e+04
1	ok 108	0.08	0.8	9.96e-03	16.4	23.5	23.6	23.7	182.4	1413.4	-397.5	7162.3	-5806.6	-8632.2
1	ok 109	0.09	0.9	1.35e-02	16.5	19.7	33.1	19.7	4.7	1602.5	220.8	-4795.5	-1.892e+04	4710.6
1	ok 110	0.09	0.9	3.64e-03	19.0	15.7	27.7	15.7	73.8	1020.1	46.2	-966.9	-2.146e+04	1.426e+04
1	ok 111	0.08	0.9	3.39e-03	17.3	15.7	23.9	15.7	129.0	667.7	1.8	737.1	-2.704e+04	9210.2
1	ok 112	0.08	0.9	6.50e-03	16.6	15.7	20.7	15.7	98.7	442.6	-9.2	851.3	-2.889e+04	5403.1
1	ok 113	0.07	1.0	9.23e-03	16.4	15.7	18.6	15.7	60.7	298.6	-30.0	643.7	-2.833e+04	2634.5
1	ok 114	0.07	1.0	1.07e-02	15.8	15.7	17.3	15.7	4.6	274.5	-1.2	-978.1	-2.834e+04	373.8
1	ok 115	0.07	1.0	1.09e-02	15.7	15.7	17.3	15.7	13.9	273.8	-29.9	-1208.1	-2.837e+04	-491.4
1	ok 116	0.07	1.0	9.84e-03	15.9	15.7	18.4	15.7	84.0	302.4	-2.8	-1497.6	-2.985e+04	-1398.4
1	ok 117	0.08	1.0	7.33e-03	16.1	15.7	21.4	15.7	130.9	465.8	2.2	-445.7	-3.054e+04	-3663.6
1	ok 118	0.08	0.9	4.26e-03	16.6	15.7	25.1	15.7	154.7	718.3	-5.3	-364.9	-2.895e+04	-6688.1
1	ok 119	0.09	0.9	4.34e-03	17.5	15.7	29.6	15.7	84.4	1105.0	-63.8	-1508.9	-2.350e+04	-1.115e+04
1	ok 120	0.10	0.9	1.40e-02	16.7	19.4	36.6	20.6	76.6	1813.6	-296.2	-197.0	-1.966e+04	-7338.4
1	ok 121	0.12	0.9	1.02e-02	19.1	15.7	45.6	15.7	101.0	1873.9	-331.7	-5670.6	-3.552e+04	-3328.9
1	ok 122	0.11	1.0	1.94e-02	24.8	15.7	41.9	15.7	180.6	928.1	-435.5	-9128.1	-4.975e+04	-1950.7
1	ok 123	0.11	1.0	3.31e-02	24.3	15.7	41.4	15.7	49.5	504.3	-387.3	-1.107e+04	-6.710e+04	1083.7
1	ok 124	0.11	1.0	3.98e-02	21.4	15.7	40.8	15.7	-135.0	161.7	-301.9	-1.162e+04	-7.605e+04	1924.9
1	ok 125	0.11	1.0	3.90e-02	18.2	15.7	40.1	15.7	-229.0	62.9	-170.0	-1.242e+04	-8.082e+04	1677.5
1	ok 126	0.11	1.0	3.36e-02	15.9	15.7	39.6	15.7	-272.2	-4.9	-45.6	-1.266e+04	-8.261e+04	1247.6
1	ok 127	0.11	1.0	3.53e-02	15.8	15.7	39.5	15.7	-256.3	-10.1	-2.9	-1.271e+04	-8.256e+04	-1717.0
1	ok 128	0.11	1.0	3.84e-02	18.2	15.7	39.7	15.7	-220.9	58.3	179.3	-1.241e+04	-8.035e+04	-1060.5
1	ok 129	0.11	1.0	3.81e-02	22.1	15.7	40.4	15.7	-122.1	227.4	316.5	-1.185e+04	-7.522e+04	-1003.4
1	ok 130	0.11	1.0	3.32e-02	24.4	15.7	40.8	15.7	62.8	500.9	399.9	-1.142e+04	-6.620e+04	178.5
1	ok 131	0.11	1.0	2.33e-02	22.9	15.7	41.6	15.7	174.4	987.8	474.5	-9156.3	-5.100e+04	1388.4
1	ok 132	0.13	0.9	1.49e-02	17.0	15.7	48.1	15.7	107.3	1863.4	330.9	-5640.8	-3.511e+04	4124.0
1	ok 133	0.11	0.9	2.88e-02	25.9	21.6	43.0	21.6	25.6	1579.1	-640.7	-2570.7	-2.177e+04	-8005.2
1	ok 134	0.09	0.9	2.50e-02	16.4	15.7	28.5	15.7	92.5	947.5	-406.8	-852.9	-2.952e+04	-7621.8
1	ok 135	0.08	1.0	3.06e-02	17.1	15.7	23.8	15.7	28.7	446.4	-349.5	-1918.4	-3.548e+04	-4882.1

M_G	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
1	ok 136	0.08	1.0	3.60e-02	16.8	15.7	21.5	15.7	-54.8	157.3	-244.8	-3173.2	-4.047e+04	-1953.9
1	ok 137	0.07	1.0	3.71e-02	15.7	15.7	20.0	15.7	-172.2	-15.3	-56.5	-4186.4	-4.349e+04	38.9
1	ok 138	0.07	1.0	3.39e-02	15.8	15.7	19.7	15.7	-209.3	-80.8	-27.8	-4345.5	-4.488e+04	824.7
1	ok 139	0.07	1.0	3.46e-02	15.7	15.7	19.7	15.7	-209.9	-86.0	-76.4	-4632.5	-4.503e+04	-1328.3
1	ok 140	0.07	1.0	3.63e-02	15.7	15.7	20.1	15.7	-142.1	-18.9	151.2	-4089.1	-4.374e+04	1336.8
1	ok 141	0.08	1.0	3.45e-02	16.2	15.7	21.5	15.7	-50.7	156.6	261.5	-3436.1	-4.072e+04	3129.2
1	ok 142	0.08	1.0	3.06e-02	16.3	15.7	23.8	15.7	32.9	445.7	365.4	-2338.3	-3.585e+04	6160.8
1	ok 143	0.09	0.9	2.75e-02	16.0	15.7	29.2	15.7	48.2	899.4	447.1	-1359.0	-2.957e+04	1.081e+04
1	ok 144	0.11	0.9	3.09e-02	22.6	21.9	45.2	21.9	0.7	1914.6	604.2	-2491.6	-2.752e+04	6539.1
1	ok 145	0.09	0.9	2.90e-02	25.7	22.2	30.7	22.2	22.6	1311.7	-717.5	-1116.6	-1.322e+04	-6996.5
1	ok 146	0.07	0.8	2.81e-02	15.7	16.8	17.0	16.8	-20.3	688.4	-495.5	4630.6	-1.034e+04	-1.205e+04
1	ok 147	0.07	0.4	2.98e-02	15.7	15.7	15.7	15.7	-63.0	262.3	-344.8	5683.5	-9301.3	-9281.5
1	ok 148	0.07	0.3	3.35e-02	15.7	15.7	15.7	15.7	-164.2	-8.4	-229.8	4926.7	-9821.2	-6582.8
1	ok 149	0.07	0.3	3.63e-02	15.7	15.7	15.7	15.7	-263.3	-109.3	-151.9	4201.7	-1.080e+04	-4396.2
1	ok 150	0.07	0.3	3.73e-02	15.7	15.7	15.7	15.7	-325.5	-157.7	-99.3	3863.5	-1.148e+04	-2581.3
1	ok 151	0.07	0.3	3.44e-02	15.7	15.7	15.7	15.7	-303.4	-144.2	105.9	3403.4	-1.128e+04	3224.2
1	ok 152	0.07	0.3	3.52e-02	15.7	15.7	15.7	15.7	-262.4	-103.5	155.8	3607.8	-1.024e+04	5158.6
1	ok 153	0.07	0.3	3.23e-02	15.7	15.7	15.7	15.7	-164.0	20.4	227.0	4133.1	-9385.9	7154.8
1	ok 154	0.07	0.4	2.91e-02	15.7	15.7	15.7	15.7	-63.2	240.1	333.5	4751.8	-8899.2	9591.3
1	ok 155	0.07	0.9	2.87e-02	15.7	17.1	17.3	17.1	-16.9	801.4	491.8	4957.4	-1.126e+04	1.095e+04
1	ok 156	0.09	0.9	2.88e-02	24.1	22.7	31.1	22.7	30.1	1477.5	719.9	-645.3	-1.424e+04	5831.1
1	ok 157	0.08	0.7	2.98e-02	21.0	19.5	21.0	19.5	19.6	713.4	-489.6	-1627.6	-4348.8	-7004.6
1	ok 158	0.07	0.8	3.22e-02	15.7	15.7	15.7	15.7	-131.9	462.6	-317.0	1.042e+04	2961.2	-4846.9
1	ok 159	0.07	0.5	3.18e-02	15.7	15.7	15.7	15.7	-246.2	145.3	-142.6	1.248e+04	7096.7	-4423.5
1	ok 160	0.07	0.4	4.07e-02	15.7	15.7	15.7	15.7	-398.1	-17.6	-5.9	1.225e+04	8760.7	-3240.5
1	ok 161	0.07	0.3	5.06e-02	15.7	15.7	15.7	15.7	-501.4	-99.0	-3.9	1.033e+04	8133.5	-4210.7
1	ok 162	0.07	0.3	5.50e-02	15.7	15.7	15.7	15.7	-594.7	-127.4	-16.0	1.046e+04	8209.4	-2304.8
1	ok 163	0.07	0.3	5.56e-02	15.7	15.7	15.7	15.7	-506.6	-97.7	-106.2	1.005e+04	8295.9	-2935.2
1	ok 164	0.07	0.3	5.12e-02	15.7	15.7	15.7	15.7	-521.6	-90.5	-42.8	1.125e+04	8859.7	2548.7
1	ok 165	0.07	0.4	4.10e-02	15.7	15.7	15.7	15.7	-402.4	-16.4	0.6	1.199e+04	8467.6	4255.2
1	ok 166	0.07	0.5	3.02e-02	15.7	15.7	15.7	15.7	-248.4	148.7	147.2	1.199e+04	6650.1	5517.5
1	ok 167	0.07	0.8	3.18e-02	15.7	15.8	15.7	15.8	-134.1	468.4	316.0	9976.7	2507.1	5954.8
1	ok 168	0.08	0.7	2.93e-02	21.1	20.0	21.1	20.0	8.3	925.8	618.5	-414.6	-5492.8	5233.5
1	ok 169	0.07	0.5	2.62e-02	15.7	15.7	15.7	15.7	83.8	568.3	-381.7	-2129.1	-874.0	-4163.7
1	ok 170	0.07	0.4	3.72e-02	15.7	15.7	15.7	15.7	-317.0	156.8	-57.2	8928.1	4791.8	-4821.8
1	ok 171	0.07	0.4	6.31e-02	15.7	15.7	15.7	15.7	-645.3	-8.0	15.0	1.185e+04	7635.9	-5355.6
1	ok 172	0.07	0.3	8.10e-02	15.7	15.7	15.7	15.7	-830.6	-83.5	72.0	1.269e+04	9368.5	-4878.1
1	ok 173	0.07	0.3	8.96e-02	15.7	15.7	15.7	15.7	-909.5	-105.1	49.1	1.269e+04	1.015e+04	-3914.3
1	ok 174	0.07	0.3	9.21e-02	15.7	15.7	15.7	15.7	-1008.8	-126.6	0.6	1.324e+04	1.037e+04	-2062.8
1	ok 175	0.07	0.3	9.26e-02	15.7	15.7	15.7	15.7	-1007.6	-124.7	-54.0	1.340e+04	1.090e+04	642.7
1	ok 176	0.07	0.3	9.02e-02	15.7	15.7	15.7	15.7	-954.0	-108.8	-95.7	1.359e+04	1.091e+04	2308.9
1	ok 177	0.07	0.3	8.18e-02	15.7	15.7	15.7	15.7	-830.5	-67.5	-94.0	1.359e+04	1.036e+04	3448.4
1	ok 178	0.07	0.3	6.41e-02	15.7	15.7	15.7	15.7	-691.8	8.9	-58.1	1.298e+04	8664.4	3669.1
1	ok 179	0.07	0.4	3.76e-02	15.7	15.7	15.7	15.7	-359.6	165.7	49.4	9966.0	5036.2	3219.6
1	ok 180	0.07	0.4	2.60e-02	15.7	15.7	15.7	15.7	44.6	756.6	533.0	-1606.5	-563.5	1369.4
1	ok 181	0.07	0.1	2.17e-02	15.7	15.7	15.7	15.7	-193.5	235.5	-56.7	-306.3	2543.7	-1228.8
1	ok 182	0.07	0.2	0.1	15.7	15.7	15.7	15.7	-1005.9	-12.7	243.7	7487.4	1625.2	-2366.9
1	ok 183	0.07	0.2	0.1	15.7	15.7	15.7	15.7	-1302.2	-40.4	253.5	1.034e+04	1471.9	-2743.1
1	ok 184	0.07	0.2	0.1	15.7	15.7	15.7	15.7	-1382.9	-32.1	203.7	1.129e+04	1531.1	-3234.9
1	ok 185	0.07	0.2	0.1	15.7	15.7	15.7	15.7	-1437.2	-35.0	128.5	1.218e+04	1754.5	-2628.7
1	ok 186	0.07	0.2	0.1	15.7	15.7	15.7	15.7	-1510.4	-41.0	26.1	1.311e+04	2078.6	-1142.9
1	ok 187	0.07	0.2	0.1	15.7	15.7	15.7	15.7	-1510.1	-35.4	-40.9	1.310e+04	2132.8	-995.1
1	ok 188	0.07	0.2	0.1	15.7	15.7	15.7	15.7	-1523.0	-41.9	-146.1	1.296e+04	2153.6	1344.0
1	ok 189	0.07	0.2	0.1	15.7	15.7	15.7	15.7	-1476.3	-37.4	-219.5	1.223e+04	2030.5	1801.8
1	ok 190	0.07	0.2	0.1	15.7	15.7	15.7	15.7	-1395.0	-43.5	-266.4	1.125e+04	1934.8	1264.7
1	ok 191	0.07	0.2	0.1	15.7	15.7	15.7	15.7	-1086.7	-16.0	-251.1	8338.4	2001.3	595.2
1	ok 192	0.07	0.1	2.20e-02	15.7	15.7	15.7	15.7	-95.7	170.9	26.5	-1120.8	2477.2	-341.1
M_G		**x/d**	**verif.**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N x**	**N y**	**N xy**	**M x**	**M y**	**M xy**
									-1522.96	-157.67	-717.50	-1.271e+04	-8.261e+04	-1.455e+04
		0.13	0.99	0.14	25.91	23.52	48.05	23.71	247.70	1914.64	719.86	2.676e+04	2.723e+04	1.506e+04

L’armatura della platea è costituita da una maglia base di 1ϕ20/20/20 inf/sup a cui si aggiungono ferri alternati con sezione variabile.

M_GNodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy	
									daN/cm	daN/cm	daN/cm	daN	daN	daN
9	ok 255	0.08	1.0	6.97e-03	15.7	25.3	15.7	26.6	-73.7	114.8	31.0	3477.5	4.201e+04	2.336e+04
9	ok 256	0.07	0.7	1.07e-02	15.7	15.7	15.7	15.7	-91.6	-63.5	-11.5	1.631e+04	-7712.0	1.437e+04
9	ok 257	0.07	0.7	1.28e-02	15.7	15.7	15.7	15.7	-91.0	-19.5	9.6	2.509e+04	1816.5	1859.4
9	ok 258	0.07	0.7	1.30e-02	15.7	15.7	15.7	15.7	-99.6	-3.4	7.8	2.465e+04	1933.3	-3688.6
9	ok 259	0.07	0.6	1.06e-02	15.7	15.7	15.7	15.7	-91.4	12.1	-19.6	1.812e+04	2634.0	-9022.4
9	ok 260	0.07	0.8	8.31e-03	15.7	15.7	15.7	15.7	-83.8	23.9	-29.0	-5623.3	1.966e+04	-1.670e+04
9	ok 261	0.07	0.4	5.97e-03	15.7	15.7	15.7	15.7	104.6	6.2	-17.3	9665.9	-7376.3	2080.4
9	ok 262	0.07	0.4	6.93e-03	15.7	15.7	15.7	15.7	-25.4	-0.3	17.2	1.310e+04	483.3	4534.9
9	ok 263	0.07	0.4	6.71e-03	15.7	15.7	15.7	15.7	29.7	6.7	32.4	1.293e+04	663.4	3578.0
9	ok 264	0.07	0.4	7.56e-03	15.7	15.7	15.7	15.7	33.6	-0.9	-15.0	-1.064e+04	-5195.3	-5797.7
9	ok 265	0.07	0.8	5.11e-03	15.7	15.7	15.7	15.7	17.5	-16.3	-18.3	-2.464e+04	-1225.7	-5725.1
9	ok 266	0.07	0.6	4.96e-03	15.7	15.7	15.7	15.7	1.9	-9.7	-9.7	-2.051e+04	-4388.7	-5737.1
9	ok 267	0.07	0.3	3.17e-03	15.7	15.7	15.7	15.7	-18.6	-18.8	-5.2	-1.202e+04	-1979.1	21.7
9	ok 268	0.07	0.1	1.37e-03	15.7	15.7	15.7	15.7	7.4	5.3	-4.2	-1004.4	-1246.5	2388.3
9	ok 269	0.07	1.0	5.59e-03	16.2	15.7	16.2	15.7	-6.3	-14.8	19.6	-3.042e+04	-1.962e+04	-5123.6
9	ok 270	0.07	0.6	3.51e-03	15.7	15.7	15.7	15.7	-25.8	-14.4	-1.6	-2.067e+04	-1.096e+04	1696.7
9	ok 271	0.07	1.0	6.27e-03	15.7	17.4	15.7	18.6	36.8	90.5	24.8	6592.5	3.509e+04	7166.7
9	ok 272	0.07	0.8	1.11e-02	15.7	15.7	15.7	15.7	-39.6	-49.6	37.2	1.507e+04	2.129e+04	5674.7
9	ok 273	0.07	0.5	7.73e-03	15.7	15.7	15.7	15.7	-66.9	-29.6	-29.1	1.963e+04	1.404e+04	-940.8
9	ok 274	0.07	0.6	8.58e-03	15.7	15.7	15.7	15.7	-37.6	0.9	-39.5	1.938e+04	1.175e+04	-5474.9
9	ok 275	0.07	0.7	8.64e-03	15.7	15.7	15.7	15.7	-37.5	5.8	-43.9	1.475e+04	1.238e+04	-9971.3
9	ok 276	0.07	0.6	8.37e-03	15.7	15.7	15.7	15.7	-15.7	26.0	-22.2	9327.4	1.663e+04	-5651.7
9	ok 277	0.07	0.5	6.63e-03	15.7	15.7	15.7	15.7	-22.0	0.7	-50.1	6942.1	9456.5	-8033.7
9	ok 278	0.07	0.5	8.41e-03	15.7	15.7	15.7	15.7	-3.6	-0.7	71.8	1.030e+04	7135.1	5587.1
9	ok 279	0.07	0.4	8.33e-03	15.7	15.7	15.7	15.7	-25.7	-9.5	9.8	7325.6	3699.5	-8855.4
9	ok 280	0.07	0.5	7.41e-03	15.7	15.7	15.7	15.7	7.93e-02	-15.4	-29.4	-9108.7	-3318.3	-1.152e+04
9	ok 281	0.07	0.4	5.97e-03	15.7	15.7	15.7	15.7	13.3	-24.1	-3.1	-9545.4	-6989.1	-2663.9
9	ok 282	0.07	0.2	4.86e-03	15.7	15.7	15.7	15.7	-15.0	-13.3	-7.4	-4278.8	-502.4	-4552.8
9	ok 296	0.07	0.7	1.96e-02	15.7	15.7	15.7	15.7	-11.7	-19.5	33.6	2124.9	2.546e+04	1212.9
9	ok 297	0.07	0.6	1.56e-02	15.7	15.7	15.7	15.7	-37.0	-15.2	27.7	9463.6	2.169e+04	438.9
9	ok 298	0.07	0.5	1.11e-02	15.7	15.7	15.7	15.7	-40.5	25.4	-46.2	1.302e+04	1.545e+04	-3052.2
9	ok 299	0.07	0.6	1.08e-02	15.7	15.7	15.7	15.7	-28.9	3.8	-62.9	1.283e+04	1.323e+04	-6740.3
9	ok 300	0.07	0.6	1.14e-02	15.7	15.7	15.7	15.7	-6.0	2.8	-56.4	1.157e+04	1.300e+04	-8625.6
9	ok 301	0.07	0.6	1.08e-02	15.7	15.7	15.7	15.7	0.5	-10.0	-57.4	9137.0	1.199e+04	-1.000e+04
9	ok 302	0.07	0.6	1.07e-02	15.7	15.7	15.7	15.7	15.9	-10.8	-57.2	7621.8	9903.5	-1.026e+04
9	ok 303	0.07	0.5	1.17e-02	15.7	15.7	15.7	15.7	55.1	9.8	151.8	5675.7	9144.0	7122.3
9	ok 304	0.07	0.5	1.18e-02	15.7	15.7	15.7	15.7	39.5	29.6	161.3	5434.4	9453.3	5038.1
9	ok 305	0.07	0.4	1.02e-02	15.7	15.7	15.7	15.7	3.9	-26.2	-12.5	-2624.5	5646.3	-1.184e+04
9	ok 306	0.07	0.5	1.19e-02	15.7	15.7	15.7	15.7	9.2	-78.6	5.6	-1.022e+04	1.228e+04	-5844.1
9	ok 307	0.07	0.5	1.27e-02	15.7	15.7	15.7	15.7	-9.3	-39.0	28.4	-8019.4	1.674e+04	-3642.2
9	ok 308	0.07	0.5	7.68e-03	15.7	15.7	15.7	15.7	-12.9	-46.0	12.0	-4402.1	1.775e+04	-4349.4
9	ok 309	0.07	0.5	8.72e-03	15.7	15.7	15.7	15.7	-22.8	-84.8	17.7	-50.7	1.802e+04	-2903.8
9	ok 347	0.07	0.9	4.24e-02	15.7	15.7	15.7	17.6	48.0	460.3	-52.8	639.2	1.438e+04	5511.6
9	ok 348	0.07	0.6	1.94e-02	15.7	15.7	15.7	15.7	14.9	74.2	-92.8	2443.3	1.407e+04	7238.7
9	ok 349	0.07	0.5	1.70e-02	15.7	15.7	15.7	15.7	59.2	21.3	-48.2	2024.2	1.188e+04	7849.1
9	ok 350	0.07	0.5	1.22e-02	15.7	15.7	15.7	15.7	46.6	14.4	-103.0	8069.5	4418.4	-7253.5
9	ok 351	0.07	0.5	1.40e-02	15.7	15.7	15.7	15.7	65.6	-4.5	-89.0	7461.3	3836.2	-8729.8
9	ok 352	0.07	0.5	1.50e-02	15.7	15.7	15.7	15.7	64.7	-32.5	108.1	2114.6	8918.2	7930.2
9	ok 353	0.07	0.5	1.44e-02	15.7	15.7	15.7	15.7	64.6	-26.9	145.5	3207.4	7901.7	7808.1
9	ok 354	0.07	0.4	1.55e-02	15.7	15.7	15.7	15.7	60.8	-1.4	188.8	3824.6	6766.1	7166.9
9	ok 355	0.07	0.4	1.64e-02	15.7	15.7	15.7	15.7	77.0	-13.4	-51.7	1614.9	2754.0	-1.121e+04
9	ok 356	0.07	0.4	1.81e-02	15.7	15.7	15.7	15.7	50.0	21.6	-15.3	2281.5	5440.7	-1.065e+04
9	ok 357	0.07	0.5	1.84e-02	15.7	15.7	15.7	15.7	-14.3	70.9	65.1	-1.085e+04	1.396e+04	689.8
9	ok 358	0.07	0.6	2.50e-02	15.7	15.7	15.7	15.7	-8.8	-9.6	21.9	-9733.0	1.651e+04	-3097.5
9	ok 359	0.07	0.6	1.27e-02	15.7	15.7	15.7	15.7	-10.8	-40.8	12.6	-6195.5	1.891e+04	-4569.2
9	ok 360	0.07	0.5	1.43e-02	15.7	15.7	15.7	15.7	2.2	-89.3	14.1	-1471.6	1.649e+04	-4369.2
9	ok 398	0.09	1.0	8.36e-02	15.8	17.6	30.8	33.2	-269.4	-617.8	14.7	-3985.6	-6.034e+04	-4276.3
9	ok 399	0.08	1.0	2.21e-02	16.7	15.7	25.9	15.7	-2.3	169.6	-191.6	-6068.0	-4.880e+04	-1879.1
9	ok 400	0.07	1.0	1.60e-02	16.3	15.7	18.8	15.7	97.1	59.5	-153.1	-3460.4	-3.825e+04	-2456.5
9	ok 401	0.07	0.9	1.70e-02	15.7	15.7	15.7	15.7	88.0	3.5	-211.1	-2100.0	-3.276e+04	-5227.6
9	ok 402	0.07	0.8	1.89e-02	15.7	15.7	15.7	15.7	81.4	-35.7	-199.7	-2212.6	-2.838e+04	-7126.5
9	ok 403	0.07	0.7	2.00e-02	15.7	15.7	15.7	15.7	18.1	-132.5	-95.8	-2879.8	-2.771e+04	-4787.9
9	ok 404	0.07	0.7	2.14e-02	15.7	15.7	15.7	15.7	14.1	-136.5	-101.7	-2975.9	-2.562e+04	-6003.8
9	ok 405	0.07	0.7	2.09e-02	15.7	15.7	15.7	15.7	16.5	-136.4	-90.3	-3226.3	-2.339e+04	-6874.8
9	ok 406	0.07	0.6	2.10e-02	15.7	15.7	15.7	15.7	13.9	-120.7	-80.3	-3939.5	-2.016e+04	-6919.0
9	ok 407	0.07	0.6	2.01e-02	15.7	15.7	15.7	15.7	44.1	39.2	191.6	-9380.9	-1.942e+04	6042.1
9	ok 408	0.07	1.0	2.94e-02	17.8	15.7	17.8	15.7	-55.3	194.1	129.0	-2.605e+04	-2.783e+04	1.204e+04
9	ok 409	0.08	0.9	6.37e-02	15.7	18.4	15.7	20.9	-147.5	45.6	26.6	-2.969e+04	-1.132e+04	6611.1
9	ok 410	0.07	0.5	2.16e-02	15.7	15.7	15.7	15.7	16.7	-80.0	41.8	-1.153e+04	8016.5	-6626.6
9	ok 411	0.07	0.3	1.04e-02	15.7	15.7	15.7	15.7	-27.3	-44.6	31.3	-2766.6	1.053e+04	-3802.9
9	ok 449	0.12	1.0	4.26e-02	19.0	21.4	56.4	27.1	195.9	-354.7	-24.7	-1.091e+04	-1.037e+05	6835.1
9	ok 450	0.12	1.0	2.82e-02	26.9	15.7	44.4	15.7	354.0	328.7	-330.4	-1.106e+04	-7.717e+04	5398.3
9	ok 451	0.09	1.0	2.48e-02	19.0	15.7	31.7	15.7	274.9	58.8	-190.1	-9980.3	-6.343e+04	904.7
9	ok 452	0.09	1.0	2.03e-02	16.9	15.7	27.8	15.7	201.7	7.4	-127.2	-9232.6	-5.811e+04	-2680.6

M_GNodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy	
									daN/cm	daN/cm	daN/cm	daN	daN	daN
9	ok 453	0.08	1.0	2.25e-02	15.8	15.7	24.7	15.7	148.9	-28.2	-117.6	-8923.2	-5.365e+04	-3934.3
9	ok 454	0.08	1.0	2.35e-02	16.0	15.7	23.2	15.7	56.5	-106.9	8.0	-9154.8	-5.259e+04	-2425.3
9	ok 455	0.08	1.0	2.43e-02	16.0	15.7	21.5	15.7	39.9	-116.0	-9.0	-8728.2	-4.939e+04	-3036.1
9	ok 456	0.07	1.0	2.30e-02	16.2	15.7	19.0	15.7	36.0	-165.1	-9.4	-8170.7	-4.558e+04	-3484.8
9	ok 457	0.07	1.0	2.21e-02	16.0	15.7	17.9	15.7	39.5	-140.1	86.3	-7719.1	-4.279e+04	-1051.4
9	ok 458	0.07	1.0	2.26e-02	16.8	15.7	18.4	15.7	85.1	-91.9	-4.1	-8312.6	-4.213e+04	-651.5
9	ok 459	0.10	1.0	2.05e-02	22.6	15.7	33.9	15.7	165.1	320.4	333.5	-2.610e+04	-6.111e+04	6594.7
9	ok 460	0.11	1.0	6.02e-02	35.7	18.0	42.7	18.2	-414.8	-366.2	175.1	-6.407e+04	-4.501e+04	2.593e+04
9	ok 461	0.07	1.0	3.24e-02	15.7	18.0	15.7	18.0	180.5	-30.2	-74.3	2.812e+04	5333.2	-1.072e+04
9	ok 462	0.07	0.1	4.17e-03	15.7	15.7	15.7	15.7	-29.9	3.9	6.7	-497.7	1083.8	-3413.0

M_G	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
								-414.85	-617.80	-330.38	-6.407e+04	-1.037e+05	-1.670e+04
	0.12	0.99	0.08	35.67	25.27	56.43	33.18	353.97	460.30	333.51	2.812e+04	4.201e+04	2.593e+04

L'armatura della platea è costituita da una maglia base di 1ϕ20/20/20 inf/sup a cui si aggiungono ferri alternati con sezione variabile.

3.9.1.5 STATI LIMITE D' ESERCIZIO

LEGENDA TABELLA 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**	**rRfyk**	**rPfck**	per sezioni significative
	wR	**wF**	**wP**	per sezioni significative
	dR	**dF**	**dP**	massimi in campata
setti e gusci	**rRfck**	**rRfyk**	**rPfck**	massimi nei nodi dell'elemento
	wR	**wF**	**wP**	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).

TABELLA STATI LIMITE D' ESERCIZIO

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
1	0.17	0.45	0.0	93,96,0	0.0	0.0	0.0	0,0,0
2	0.15	0.42	0.0	93,96,0	0.0	0.0	0.0	0,0,0
3	0.14	0.43	0.0	93,96,0	0.0	0.0	0.0	0,0,0
4	0.14	0.39	0.0	94,93,0	0.0	0.0	0.0	0,0,0
5	0.15	0.42	0.0	94,93,0	0.0	0.0	0.0	0,0,0
6	0.15	0.42	0.0	94,93,0	0.0	0.0	0.0	0,0,0
7	0.15	0.42	0.0	94,94,0	0.0	0.0	0.0	0,0,0
8	0.14	0.39	0.0	94,94,0	0.0	0.0	0.0	0,0,0
9	0.14	0.39	0.0	94,96,0	0.0	0.0	0.0	0,0,0
10	0.15	0.38	0.0	94,96,0	0.0	0.0	0.0	0,0,0
11	0.16	0.40	0.0	94,96,0	0.0	0.0	0.0	0,0,0
12	0.15	0.43	0.0	93,96,0	0.0	0.0	0.0	0,0,0
13	0.17	0.46	0.0	93,96,0	0.0	0.0	0.0	0,0,0
14	0.16	0.46	0.0	93,96,0	0.0	0.0	0.0	0,0,0
15	0.16	0.46	0.0	93,96,0	0.0	0.0	0.0	0,0,0
16	0.14	0.44	0.0	93,96,0	0.0	0.0	0.0	0,0,0
17	0.13	0.42	0.0	93,96,0	0.0	0.0	0.0	0,0,0
18	0.15	0.42	0.0	94,96,0	0.0	0.0	0.0	0,0,0
19	0.16	0.43	0.0	94,96,0	0.0	0.0	0.0	0,0,0
20	0.16	0.43	0.0	94,96,0	0.0	0.0	0.0	0,0,0
21	0.16	0.42	0.0	94,96,0	0.0	0.0	0.0	0,0,0
22	0.15	0.45	0.0	94,96,0	0.0	0.0	0.0	0,0,0
23	0.15	0.49	0.0	93,96,0	0.0	0.0	0.0	0,0,0
24	0.17	0.48	0.0	93,96,0	0.0	0.0	0.0	0,0,0
25	0.18	0.52	0.0	93,96,0	0.0	0.0	0.0	0,0,0
26	0.18	0.53	0.0	93,96,0	0.0	0.0	0.0	0,0,0
27	0.18	0.53	0.0	93,96,0	0.0	0.0	0.0	0,0,0
28	0.18	0.53	0.0	94,96,0	0.0	0.0	0.0	0,0,0
29	0.18	0.52	0.0	94,96,0	0.0	0.0	0.0	0,0,0
30	0.18	0.51	0.0	94,96,0	0.0	0.0	0.0	0,0,0
31	0.18	0.49	0.0	94,94,0	0.0	0.0	0.0	0,0,0
32	0.16	0.44	0.0	94,96,0	0.0	0.0	0.0	0,0,0
33	0.15	0.51	0.0	94,96,0	0.0	0.0	0.0	0,0,0
34	0.13	0.51	0.0	93,96,0	0.0	0.0	0.0	0,0,0
35	0.16	0.49	0.0	93,96,0	0.0	0.0	0.0	0,0,0
36	0.18	0.54	0.0	93,96,0	0.0	0.0	0.0	0,0,0
37	0.19	0.58	0.0	93,93,0	0.0	0.0	0.0	0,0,0
38	0.20	0.60	0.0	94,94,0	0.0	0.0	0.0	0,0,0
39	0.20	0.60	0.0	94,94,0	0.0	0.0	0.0	0,0,0
40	0.20	0.59	0.0	94,94,0	0.0	0.0	0.0	0,0,0
41	0.19	0.57	0.0	94,94,0	0.0	0.0	0.0	0,0,0
42	0.18	0.53	0.0	94,96,0	0.0	0.0	0.0	0,0,0
43	0.16	0.50	0.0	94,96,0	0.0	0.0	0.0	0,0,0
44	0.12	0.52	0.0	94,96,0	0.0	0.0	0.0	0,0,0
45	0.10	0.52	0.0	93,91,0	0.0	0.0	0.0	0,0,0
46	0.14	0.52	0.0	93,96,0	0.0	0.0	0.0	0,0,0
47	0.17	0.55	0.0	93,96,0	0.0	0.0	0.0	0,0,0
48	0.19	0.59	0.0	93,93,0	0.0	0.0	0.0	0,0,0
49	0.20	0.60	0.0	94,94,0	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
50	0.20	0.60	0.0	94,94,0	0.0	0.0	0.0	0,0,0
51	0.20	0.60	0.0	94,94,0	0.0	0.0	0.0	0,0,0
52	0.19	0.58	0.0	94,94,0	0.0	0.0	0.0	0,0,0
53	0.17	0.58	0.0	94,96,0	0.0	0.0	0.0	0,0,0
54	0.14	0.53	0.0	94,96,0	0.0	0.0	0.0	0,0,0
55	0.10	0.52	0.0	94,96,0	0.0	0.0	0.0	0,0,0
56	0.10	0.54	0.0	93,96,0	0.0	0.0	0.0	0,0,0
57	0.12	0.53	0.0	93,96,0	0.0	0.0	0.0	0,0,0
58	0.16	0.55	0.0	93,96,0	0.0	0.0	0.0	0,0,0
59	0.19	0.59	0.0	93,93,0	0.0	0.0	0.0	0,0,0
60	0.20	0.60	0.0	94,94,0	0.0	0.0	0.0	0,0,0
61	0.20	0.60	0.0	94,94,0	0.0	0.0	0.0	0,0,0
62	0.20	0.60	0.0	94,94,0	0.0	0.0	0.0	0,0,0
63	0.18	0.58	0.0	94,94,0	0.0	0.0	0.0	0,0,0
64	0.15	0.58	0.0	94,96,0	0.0	0.0	0.0	0,0,0
65	0.11	0.54	0.0	94,96,0	0.0	0.0	0.0	0,0,0
66	0.09	0.53	0.0	94,96,0	0.0	0.0	0.0	0,0,0
67	0.10	0.65	0.0	93,96,0	0.0	0.0	0.0	0,0,0
68	0.12	0.54	0.0	93,96,0	0.0	0.0	0.0	0,0,0
69	0.16	0.56	0.0	93,96,0	0.0	0.0	0.0	0,0,0
70	0.17	0.59	0.0	93,96,0	0.0	0.0	0.0	0,0,0
71	0.17	0.55	0.0	94,93,0	0.0	0.0	0.0	0,0,0
72	0.17	0.54	0.0	94,94,0	0.0	0.0	0.0	0,0,0
73	0.17	0.55	0.0	94,94,0	0.0	0.0	0.0	0,0,0
74	0.17	0.57	0.0	94,96,0	0.0	0.0	0.0	0,0,0
75	0.15	0.57	0.0	94,96,0	0.0	0.0	0.0	0,0,0
76	0.12	0.55	0.0	94,96,0	0.0	0.0	0.0	0,0,0
77	0.09	0.64	0.0	94,91,0	0.0	0.0	0.0	0,0,0
78	0.09	0.73	0.0	93,91,0	0.0	0.0	0.0	0,0,0
79	0.13	0.72	0.0	93,91,0	0.0	0.0	0.0	0,0,0
80	0.14	0.58	0.0	93,91,0	0.0	0.0	0.0	0,0,0
81	0.14	0.50	0.0	93,93,0	0.0	0.0	0.0	0,0,0
82	0.14	0.44	0.0	93,93,0	0.0	0.0	0.0	0,0,0
83	0.12	0.39	0.0	94,94,0	0.0	0.0	0.0	0,0,0
84	0.13	0.45	0.0	94,94,0	0.0	0.0	0.0	0,0,0
85	0.14	0.50	0.0	94,94,0	0.0	0.0	0.0	0,0,0
86	0.14	0.57	0.0	94,96,0	0.0	0.0	0.0	0,0,0
87	0.12	0.70	0.0	94,91,0	0.0	0.0	0.0	0,0,0
88	0.09	0.70	0.0	94,91,0	0.0	0.0	0.0	0,0,0
89	0.12	0.72	0.0	93,91,0	0.21	0.0	0.0	91,0,0
90	0.13	0.73	0.0	93,91,0	0.18	0.0	0.0	91,0,0
91	0.15	0.74	0.0	96,91,0	0.20	0.0	0.0	91,0,0
92	0.18	0.75	0.0	96,96,0	0.21	0.0	0.0	96,0,0
93	0.19	0.75	0.0	96,96,0	0.22	0.0	0.0	96,0,0
94	0.19	0.75	0.0	96,96,0	0.22	0.0	0.0	96,0,0
95	0.19	0.75	0.0	96,96,0	0.22	0.0	0.0	96,0,0
96	0.18	0.75	0.0	96,91,0	0.21	0.0	0.0	91,0,0
97	0.15	0.74	0.0	96,91,0	0.20	0.0	0.0	91,0,0
98	0.12	0.70	0.0	94,91,0	0.17	0.0	0.0	91,0,0
99	0.12	0.66	0.0	94,91,0	0.18	0.0	0.0	91,0,0
100	0.13	0.69	0.0	93,91,0	0.18	0.0	0.0	91,0,0
101	0.24	0.72	0.0	96,96,0	0.22	0.0	0.0	96,0,0
102	0.29	0.75	0.0	96,96,0	0.24	0.0	0.0	96,0,0
103	0.31	0.75	0.0	96,96,0	0.25	0.0	0.0	96,0,0
104	0.32	0.75	0.0	94,96,0	0.25	0.0	0.0	96,0,0
105	0.32	0.75	0.0	94,96,0	0.25	0.0	0.0	96,0,0
106	0.32	0.75	0.0	94,96,0	0.25	0.0	0.0	96,0,0
107	0.31	0.75	0.0	94,96,0	0.25	0.0	0.0	96,0,0
108	0.27	0.72	0.0	94,96,0	0.22	0.0	0.0	96,0,0
109	0.22	0.67	0.0	96,96,0	0.18	0.0	0.0	96,0,0
110	0.12	0.64	0.0	94,91,0	0.16	0.0	0.0	91,0,0
111	0.20	0.70	0.0	91,91,0	0.19	0.0	0.0	91,0,0
112	0.31	0.72	0.0	96,96,0	0.23	0.0	0.0	96,0,0
113	0.37	0.73	0.0	96,96,0	0.25	0.0	0.0	96,0,0
114	0.41	0.75	0.0	96,96,0	0.26	0.0	0.0	96,0,0
115	0.42	0.75	0.0	96,96,0	0.26	0.0	0.0	96,0,0
116	0.42	0.75	0.0	96,96,0	0.26	0.0	0.0	96,0,0
117	0.42	0.75	0.0	96,96,0	0.26	0.0	0.0	96,0,0
118	0.40	0.74	0.0	96,96,0	0.25	0.0	0.0	96,0,0
119	0.36	0.72	0.0	96,96,0	0.24	0.0	0.0	96,0,0
120	0.30	0.70	0.0	91,96,0	0.22	0.0	0.0	96,0,0
121	0.20	0.66	0.0	91,91,0	0.18	0.0	0.0	91,0,0
122	0.15	0.71	0.0	91,91,0	0.20	0.0	0.0	91,0,0
123	0.18	0.72	0.0	96,96,0	0.20	0.0	0.0	91,0,0

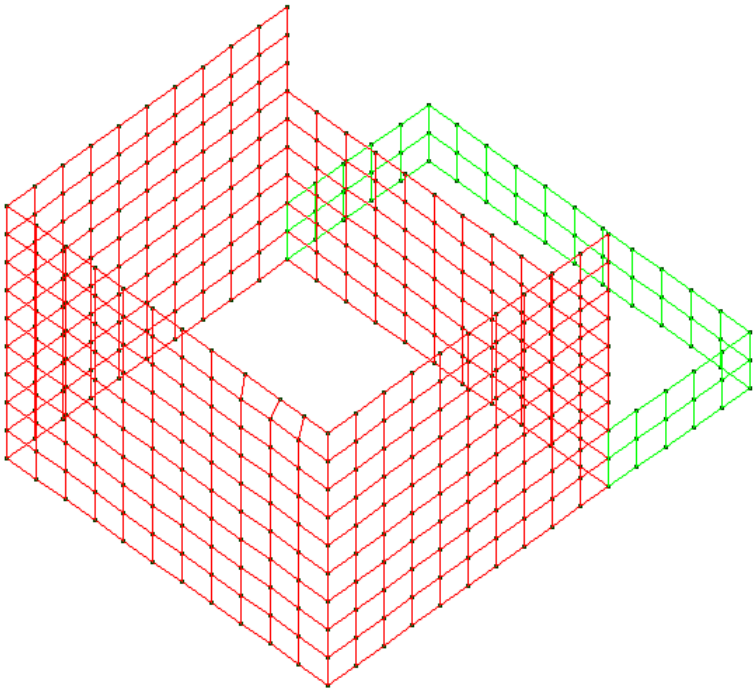
Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
124	0.22	0.75	0.0	96,96,0	0.21	0.0	0.0	96,0,0
125	0.25	0.76	0.0	96,96,0	0.22	0.0	0.0	96,0,0
126	0.26	0.76	0.0	96,96,0	0.22	0.0	0.0	96,0,0
127	0.26	0.76	0.0	96,96,0	0.22	0.0	0.0	96,0,0
128	0.26	0.76	0.0	96,96,0	0.22	0.0	0.0	96,0,0
129	0.25	0.76	0.0	96,96,0	0.22	0.0	0.0	96,0,0
130	0.22	0.75	0.0	96,96,0	0.21	0.0	0.0	96,0,0
131	0.18	0.70	0.0	96,96,0	0.20	0.0	0.0	91,0,0
132	0.15	0.70	0.0	91,91,0	0.19	0.0	0.0	91,0,0
133	0.08	0.70	0.0	91,91,0	0.21	0.0	0.0	91,0,0
134	0.11	0.70	0.0	91,91,0	0.0	0.0	0.0	0,0,0
135	0.11	0.43	0.0	91,91,0	0.0	0.0	0.0	0,0,0
136	0.11	0.23	0.0	91,91,0	0.0	0.0	0.0	0,0,0
137	0.09	0.16	0.0	91,91,0	0.0	0.0	0.0	0,0,0
138	0.08	0.13	0.0	91,91,0	0.0	0.0	0.0	0,0,0
139	0.09	0.16	0.0	91,91,0	0.0	0.0	0.0	0,0,0
140	0.11	0.23	0.0	91,91,0	0.0	0.0	0.0	0,0,0
141	0.11	0.43	0.0	91,91,0	0.0	0.0	0.0	0,0,0
142	0.11	0.70	0.0	91,91,0	0.0	0.0	0.0	0,0,0
143	0.09	0.68	0.0	91,91,0	0.21	0.0	0.0	91,0,0
144	0.08	0.72	0.0	91,91,0	0.0	0.0	0.0	0,0,0
145	0.11	0.63	0.0	91,91,0	0.0	0.0	0.0	0,0,0
146	0.11	0.38	0.0	91,91,0	0.0	0.0	0.0	0,0,0
147	0.10	0.22	0.0	91,91,0	0.0	0.0	0.0	0,0,0
148	0.10	0.18	0.0	91,91,0	0.0	0.0	0.0	0,0,0
149	0.10	0.18	0.0	91,91,0	0.0	0.0	0.0	0,0,0
150	0.10	0.18	0.0	91,91,0	0.0	0.0	0.0	0,0,0
151	0.11	0.23	0.0	91,91,0	0.0	0.0	0.0	0,0,0
152	0.11	0.38	0.0	91,91,0	0.0	0.0	0.0	0,0,0
153	0.11	0.62	0.0	91,91,0	0.0	0.0	0.0	0,0,0
154	0.08	0.70	0.0	91,91,0	0.0	0.0	0.0	0,0,0
155	0.09	0.72	0.0	91,91,0	0.0	0.0	0.0	0,0,0
156	0.11	0.30	0.0	91,91,0	0.0	0.0	0.0	0,0,0
157	0.12	0.20	0.0	91,91,0	0.0	0.0	0.0	0,0,0
158	0.12	0.19	0.0	91,91,0	0.0	0.0	0.0	0,0,0
159	0.12	0.18	0.0	91,91,0	0.0	0.0	0.0	0,0,0
160	0.12	0.18	0.0	91,91,0	0.0	0.0	0.0	0,0,0
161	0.12	0.18	0.0	91,91,0	0.0	0.0	0.0	0,0,0
162	0.12	0.18	0.0	91,91,0	0.0	0.0	0.0	0,0,0
163	0.11	0.20	0.0	91,91,0	0.0	0.0	0.0	0,0,0
164	0.10	0.31	0.0	91,91,0	0.0	0.0	0.0	0,0,0
165	0.08	0.72	0.0	91,91,0	0.0	0.0	0.0	0,0,0
292	0.21	0.61	0.0	91,91,0	0.0	0.0	0.0	0,0,0
293	0.21	0.63	0.0	91,91,0	0.0	0.0	0.0	0,0,0
294	0.08	0.23	0.0	91,91,0	0.0	0.0	0.0	0,0,0
295	0.09	0.25	0.0	96,96,0	0.0	0.0	0.0	0,0,0
296	0.19	0.58	0.0	96,96,0	0.10	0.0	0.0	91,0,0
297	0.16	0.47	0.0	96,96,0	0.0	0.0	0.0	0,0,0
298	0.12	0.36	0.0	96,96,0	0.0	0.0	0.0	0,0,0
299	0.11	0.36	0.0	96,96,0	0.0	0.0	0.0	0,0,0
300	0.16	0.52	0.0	91,91,0	0.0	0.0	0.0	0,0,0
301	0.16	0.53	0.0	91,91,0	0.0	0.0	0.0	0,0,0
302	0.08	0.29	0.0	94,96,0	0.0	0.0	0.0	0,0,0
303	0.08	0.29	0.0	91,96,0	0.0	0.0	0.0	0,0,0
304	0.08	0.23	0.0	91,91,0	0.0	0.0	0.0	0,0,0
305	0.20	0.60	0.0	91,91,0	0.0	0.0	0.0	0,0,0
306	0.17	0.52	0.0	91,91,0	0.0	0.0	0.0	0,0,0
307	0.07	0.22	0.0	96,96,0	0.0	0.0	0.0	0,0,0
308	0.16	0.50	0.0	96,96,0	0.0	0.0	0.0	0,0,0
309	0.13	0.41	0.0	96,96,0	0.0	0.0	0.0	0,0,0
310	0.11	0.33	0.0	96,96,0	0.0	0.0	0.0	0,0,0
311	0.09	0.32	0.0	96,96,0	0.0	0.0	0.0	0,0,0
312	0.09	0.31	0.0	96,96,0	0.0	0.0	0.0	0,0,0
313	0.09	0.28	0.0	96,96,0	0.0	0.0	0.0	0,0,0
314	0.08	0.24	0.0	96,96,0	0.0	0.0	0.0	0,0,0
315	0.08	0.24	0.0	96,91,0	0.0	0.0	0.0	0,0,0
316	0.08	0.25	0.0	96,91,0	0.0	0.0	0.0	0,0,0
317	0.08	0.23	0.0	96,96,0	0.0	0.0	0.0	0,0,0
330	0.12	0.39	0.0	96,96,0	0.0	0.0	0.0	0,0,0
331	0.11	0.36	0.0	96,96,0	0.0	0.0	0.0	0,0,0
332	0.10	0.29	0.0	96,96,0	0.0	0.0	0.0	0,0,0
333	0.09	0.30	0.0	96,96,0	0.0	0.0	0.0	0,0,0
334	0.09	0.30	0.0	96,96,0	0.0	0.0	0.0	0,0,0
335	0.09	0.28	0.0	96,96,0	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
336	0.08	0.24	0.0	96,96,0	0.0	0.0	0.0	0,0,0
337	0.08	0.24	0.0	96,91,0	0.0	0.0	0.0	0,0,0
338	0.08	0.25	0.0	96,96,0	0.0	0.0	0.0	0,0,0
339	0.09	0.26	0.0	96,96,0	0.0	0.0	0.0	0,0,0
340	0.08	0.26	0.0	96,96,0	0.0	0.0	0.0	0,0,0
341	0.08	0.26	0.0	96,96,0	0.0	0.0	0.0	0,0,0
342	0.08	0.26	0.0	96,96,0	0.0	0.0	0.0	0,0,0
379	0.13	0.50	0.0	91,91,0	0.0	0.0	0.0	0,0,0
380	0.12	0.48	0.0	91,91,0	0.0	0.0	0.0	0,0,0
381	0.11	0.39	0.0	91,91,0	0.0	0.0	0.0	0,0,0
382	0.11	0.33	0.0	91,91,0	0.0	0.0	0.0	0,0,0
383	0.11	0.30	0.0	91,91,0	0.0	0.0	0.0	0,0,0
384	0.11	0.29	0.0	91,91,0	0.0	0.0	0.0	0,0,0
385	0.10	0.28	0.0	91,91,0	0.0	0.0	0.0	0,0,0
386	0.10	0.29	0.0	91,91,0	0.0	0.0	0.0	0,0,0
387	0.09	0.30	0.0	91,91,0	0.0	0.0	0.0	0,0,0
388	0.08	0.31	0.0	91,91,0	0.0	0.0	0.0	0,0,0
389	0.09	0.30	0.0	91,96,0	0.0	0.0	0.0	0,0,0
390	0.09	0.27	0.0	91,96,0	0.0	0.0	0.0	0,0,0
391	0.08	0.27	0.0	96,96,0	0.0	0.0	0.0	0,0,0
428	0.27	0.48	0.0	91,91,0	0.11	0.0	0.0	91,0,0
429	0.25	0.51	0.0	91,91,0	0.10	0.0	0.0	91,0,0
430	0.27	0.56	0.0	91,91,0	0.12	0.0	0.0	91,0,0
431	0.28	0.62	0.0	91,91,0	0.14	0.0	0.0	91,0,0
432	0.28	0.64	0.0	91,91,0	0.15	0.0	0.0	91,0,0
433	0.28	0.66	0.0	91,91,0	0.16	0.0	0.0	91,0,0
434	0.28	0.71	0.0	91,91,0	0.19	0.0	0.0	91,0,0
435	0.27	0.70	0.0	91,91,0	0.19	0.0	0.0	91,0,0
436	0.26	0.69	0.0	91,91,0	0.19	0.0	0.0	91,0,0
437	0.24	0.67	0.0	91,91,0	0.18	0.0	0.0	91,0,0
438	0.26	0.60	0.0	91,96,0	0.15	0.0	0.0	96,0,0
439	0.24	0.47	0.0	91,96,0	0.09	0.0	0.0	96,0,0
440	0.06	0.18	0.0	96,96,0	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck		wR	wF	wP	
	0.42	0.76	0.0		0.26	0.0	0.0	

3.9.2 PARETI FRA PLATEA E 1° SOLETTA

Le pareti della vasca hanno spessore 50 cm, mentre le pareti perimetrali della zona pompe sono spesse 30 cm.



3.9.2.1 MODELLAZIONE STRUTTURA: NODI

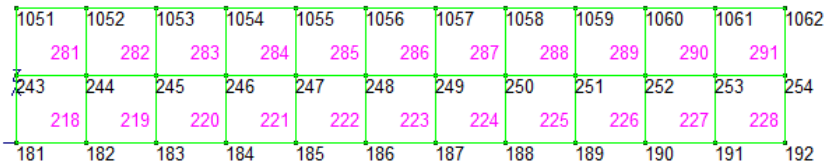
TABELLA DATI NODI

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
1	0.0	560.0	0.0	2	104.0	560.0	0.0	3	208.0	560.0	0.0
4	312.0	560.0	0.0	5	416.0	560.0	0.0	6	520.0	560.0	0.0
7	624.0	560.0	0.0	8	728.0	560.0	0.0	9	832.0	560.0	0.0
10	936.0	560.0	0.0	11	1040.0	560.0	0.0	12	1144.0	560.0	0.0
13	0.0	660.0	0.0	24	1144.0	660.0	0.0	25	0.0	760.0	0.0
36	1144.0	760.0	0.0	37	0.0	860.0	0.0	48	1144.0	860.0	0.0
49	0.0	960.0	0.0	60	1144.0	960.0	0.0	61	0.0	1060.0	0.0
72	1144.0	1060.0	0.0	73	0.0	1160.0	0.0	84	1144.0	1160.0	0.0
85	0.0	1260.0	0.0	96	1144.0	1260.0	0.0	97	0.0	1360.0	0.0
108	1144.0	1360.0	0.0	109	0.0	1460.0	0.0	120	1144.0	1460.0	0.0
121	0.0	1560.0	0.0	122	104.0	1560.0	0.0	123	208.0	1560.0	0.0
124	312.0	1560.0	0.0	125	416.0	1560.0	0.0	126	520.0	1560.0	0.0
127	624.0	1560.0	0.0	128	728.0	1560.0	0.0	129	832.0	1560.0	0.0
130	936.0	1560.0	0.0	131	1040.0	1560.0	0.0	132	1144.0	1560.0	0.0
133	0.0	1660.0	0.0	144	1144.0	1660.0	0.0	145	0.0	1760.0	0.0
156	1144.0	1760.0	0.0	157	0.0	1860.0	0.0	168	1144.0	1860.0	0.0
169	0.0	1960.0	0.0	180	1144.0	1960.0	0.0	181	0.0	2060.0	0.0
182	104.0	2060.0	0.0	183	208.0	2060.0	0.0	184	312.0	2060.0	0.0
185	416.0	2060.0	0.0	186	520.0	2060.0	0.0	187	624.0	2060.0	0.0
188	728.0	2060.0	0.0	189	832.0	2060.0	0.0	190	936.0	2060.0	0.0
191	1040.0	2060.0	0.0	192	1144.0	2060.0	0.0	193	0.0	560.0	100.0
194	104.0	560.0	100.0	195	208.0	560.0	100.0	196	312.0	560.0	100.0
197	416.0	560.0	100.0	198	520.0	560.0	100.0	199	624.0	560.0	100.0
200	728.0	560.0	100.0	201	832.0	560.0	100.0	202	936.0	560.0	100.0
203	1040.0	560.0	100.0	204	1144.0	560.0	100.0	205	0.0	660.0	100.0
206	1144.0	660.0	100.0	207	0.0	760.0	100.0	208	1144.0	760.0	100.0

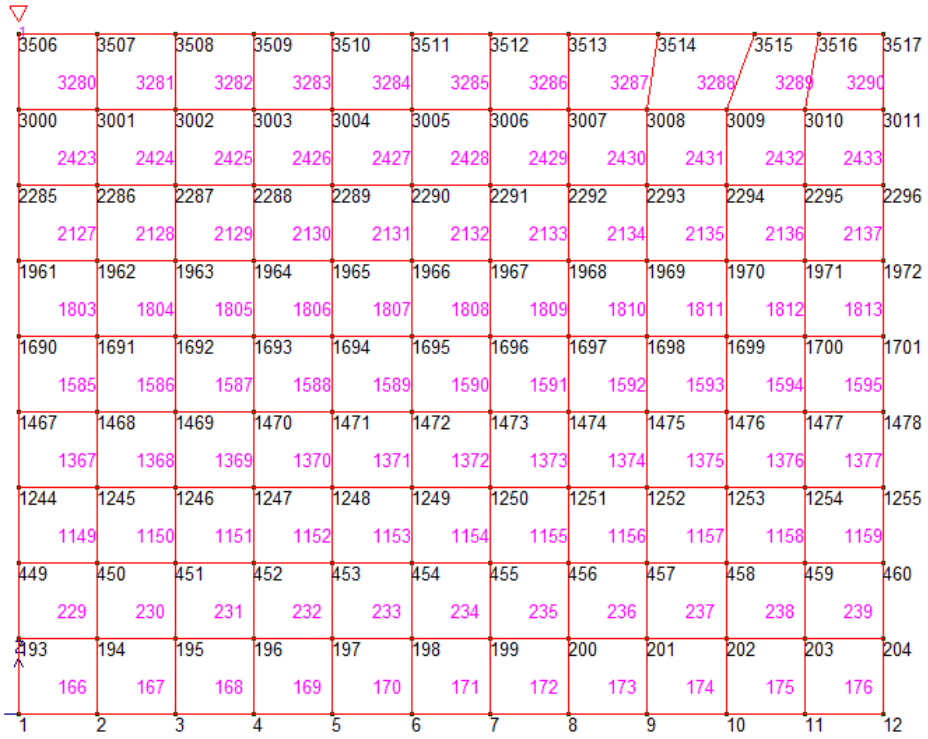
Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
209	0.0	860.0	100.0	210	1144.0	860.0	100.0	211	0.0	960.0	100.0
212	1144.0	960.0	100.0	213	0.0	1060.0	100.0	214	1144.0	1060.0	100.0
215	0.0	1160.0	100.0	216	1144.0	1160.0	100.0	217	0.0	1260.0	100.0
218	1144.0	1260.0	100.0	219	0.0	1360.0	100.0	220	1144.0	1360.0	100.0
221	0.0	1460.0	100.0	222	1144.0	1460.0	100.0	223	0.0	1560.0	100.0
224	104.0	1560.0	100.0	225	208.0	1560.0	100.0	226	312.0	1560.0	100.0
227	416.0	1560.0	100.0	228	520.0	1560.0	100.0	229	624.0	1560.0	100.0
230	728.0	1560.0	100.0	231	832.0	1560.0	100.0	232	936.0	1560.0	100.0
233	1040.0	1560.0	100.0	234	1144.0	1560.0	100.0	235	0.0	1660.0	100.0
236	1144.0	1660.0	100.0	237	0.0	1760.0	100.0	238	1144.0	1760.0	100.0
239	0.0	1860.0	100.0	240	1144.0	1860.0	100.0	241	0.0	1960.0	100.0
242	1144.0	1960.0	100.0	243	0.0	2060.0	100.0	244	104.0	2060.0	100.0
245	208.0	2060.0	100.0	246	312.0	2060.0	100.0	247	416.0	2060.0	100.0
248	520.0	2060.0	100.0	249	624.0	2060.0	100.0	250	728.0	2060.0	100.0
251	832.0	2060.0	100.0	252	936.0	2060.0	100.0	253	1040.0	2060.0	100.0
254	1144.0	2060.0	100.0	449	0.0	560.0	200.0	450	104.0	560.0	200.0
451	208.0	560.0	200.0	452	312.0	560.0	200.0	453	416.0	560.0	200.0
454	520.0	560.0	200.0	455	624.0	560.0	200.0	456	728.0	560.0	200.0
457	832.0	560.0	200.0	458	936.0	560.0	200.0	459	1040.0	560.0	200.0
460	1144.0	560.0	200.0	500	0.0	660.0	200.0	501	1144.0	660.0	200.0
553	0.0	760.0	200.0	554	1144.0	760.0	200.0	592	0.0	860.0	200.0
593	1144.0	860.0	200.0	630	0.0	960.0	200.0	631	1144.0	960.0	200.0
668	0.0	1060.0	200.0	669	1144.0	1060.0	200.0	695	0.0	1160.0	200.0
696	1144.0	1160.0	200.0	734	0.0	1260.0	200.0	735	1144.0	1260.0	200.0
773	0.0	1360.0	200.0	774	1144.0	1360.0	200.0	812	0.0	1460.0	200.0
813	1144.0	1460.0	200.0	851	0.0	1560.0	200.0	852	104.0	1560.0	200.0
853	208.0	1560.0	200.0	854	312.0	1560.0	200.0	855	416.0	1560.0	200.0
856	520.0	1560.0	200.0	857	624.0	1560.0	200.0	858	728.0	1560.0	200.0
859	832.0	1560.0	200.0	860	936.0	1560.0	200.0	861	1040.0	1560.0	200.0
862	1144.0	1560.0	200.0	900	0.0	1660.0	200.0	901	1144.0	1660.0	200.0
941	0.0	1760.0	200.0	942	1144.0	1760.0	200.0	982	0.0	1860.0	200.0
983	1144.0	1860.0	200.0	1023	0.0	1960.0	200.0	1024	1144.0	1960.0	200.0
1051	0.0	2060.0	200.0	1052	104.0	2060.0	200.0	1053	208.0	2060.0	200.0
1054	312.0	2060.0	200.0	1055	416.0	2060.0	200.0	1056	520.0	2060.0	200.0
1057	624.0	2060.0	200.0	1058	728.0	2060.0	200.0	1059	832.0	2060.0	200.0
1060	936.0	2060.0	200.0	1061	1040.0	2060.0	200.0	1062	1144.0	2060.0	200.0
1244	0.0	560.0	300.0	1245	104.0	560.0	300.0	1246	208.0	560.0	300.0
1247	312.0	560.0	300.0	1248	416.0	560.0	300.0	1249	520.0	560.0	300.0
1250	624.0	560.0	300.0	1251	728.0	560.0	300.0	1252	832.0	560.0	300.0
1253	936.0	560.0	300.0	1254	1040.0	560.0	300.0	1255	1144.0	560.0	300.0
1256	0.0	660.0	300.0	1257	1144.0	660.0	300.0	1258	0.0	760.0	300.0
1259	1144.0	760.0	300.0	1260	0.0	860.0	300.0	1261	1144.0	860.0	300.0
1262	0.0	960.0	300.0	1263	1144.0	960.0	300.0	1264	0.0	1060.0	300.0
1265	1144.0	1060.0	300.0	1266	0.0	1160.0	300.0	1267	1144.0	1160.0	300.0
1268	0.0	1260.0	300.0	1269	1144.0	1260.0	300.0	1270	0.0	1360.0	300.0
1271	1144.0	1360.0	300.0	1272	0.0	1460.0	300.0	1273	1144.0	1460.0	300.0
1274	0.0	1560.0	300.0	1275	104.0	1560.0	300.0	1276	208.0	1560.0	300.0
1277	312.0	1560.0	300.0	1278	416.0	1560.0	300.0	1279	520.0	1560.0	300.0
1280	624.0	1560.0	300.0	1281	728.0	1560.0	300.0	1282	832.0	1560.0	300.0
1283	936.0	1560.0	300.0	1284	1040.0	1560.0	300.0	1285	1144.0	1560.0	300.0
1467	0.0	560.0	400.0	1468	104.0	560.0	400.0	1469	208.0	560.0	400.0
1470	312.0	560.0	400.0	1471	416.0	560.0	400.0	1472	520.0	560.0	400.0
1473	624.0	560.0	400.0	1474	728.0	560.0	400.0	1475	832.0	560.0	400.0
1476	936.0	560.0	400.0	1477	1040.0	560.0	400.0	1478	1144.0	560.0	400.0
1479	0.0	660.0	400.0	1480	1144.0	660.0	400.0	1481	0.0	760.0	400.0
1482	1144.0	760.0	400.0	1483	0.0	860.0	400.0	1484	1144.0	860.0	400.0
1485	0.0	960.0	400.0	1486	1144.0	960.0	400.0	1487	0.0	1060.0	400.0
1488	1144.0	1060.0	400.0	1489	0.0	1160.0	400.0	1490	1144.0	1160.0	400.0
1491	0.0	1260.0	400.0	1492	1144.0	1260.0	400.0	1493	0.0	1360.0	400.0
1494	1144.0	1360.0	400.0	1495	0.0	1460.0	400.0	1496	1144.0	1460.0	400.0
1497	0.0	1560.0	400.0	1498	104.0	1560.0	400.0	1499	208.0	1560.0	400.0
1500	312.0	1560.0	400.0	1501	416.0	1560.0	400.0	1502	520.0	1560.0	400.0
1503	624.0	1560.0	400.0	1504	728.0	1560.0	400.0	1505	832.0	1560.0	400.0
1506	936.0	1560.0	400.0	1507	1040.0	1560.0	400.0	1508	1144.0	1560.0	400.0
1690	0.0	560.0	500.0	1691	104.0	560.0	500.0	1692	208.0	560.0	500.0
1693	312.0	560.0	500.0	1694	416.0	560.0	500.0	1695	520.0	560.0	500.0
1696	624.0	560.0	500.0	1697	728.0	560.0	500.0	1698	832.0	560.0	500.0
1699	936.0	560.0	500.0	1700	1040.0	560.0	500.0	1701	1144.0	560.0	500.0
1702	0.0	660.0	500.0	1703	1144.0	660.0	500.0	1704	0.0	760.0	500.0
1705	1144.0	760.0	500.0	1706	0.0	860.0	500.0	1707	1144.0	860.0	500.0
1708	0.0	960.0	500.0	1709	1144.0	960.0	500.0	1710	0.0	1060.0	500.0
1711	1144.0	1060.0	500.0	1712	0.0	1160.0	500.0	1713	1144.0	1160.0	500.0
1714	0.0	1260.0	500.0	1715	1144.0	1260.0	500.0	1716	0.0	1360.0	500.0
1717	1144.0	1360.0	500.0	1718	0.0	1460.0	500.0	1719	1144.0	1460.0	500.0

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
1720	0.0	1560.0	500.0	1721	104.0	1560.0	500.0	1722	208.0	1560.0	500.0
1723	312.0	1560.0	500.0	1724	416.0	1560.0	500.0	1725	520.0	1560.0	500.0
1726	624.0	1560.0	500.0	1727	728.0	1560.0	500.0	1728	832.0	1560.0	500.0
1729	936.0	1560.0	500.0	1730	1040.0	1560.0	500.0	1731	1144.0	1560.0	500.0
1961	0.0	560.0	600.0	1962	104.0	560.0	600.0	1963	208.0	560.0	600.0
1964	312.0	560.0	600.0	1965	416.0	560.0	600.0	1966	520.0	560.0	600.0
1967	624.0	560.0	600.0	1968	728.0	560.0	600.0	1969	832.0	560.0	600.0
1970	936.0	560.0	600.0	1971	1040.0	560.0	600.0	1972	1144.0	560.0	600.0
1973	0.0	660.0	600.0	1974	1144.0	660.0	600.0	1975	0.0	760.0	600.0
1976	1144.0	760.0	600.0	1977	0.0	860.0	600.0	1978	1144.0	860.0	600.0
1979	0.0	960.0	600.0	1980	1144.0	960.0	600.0	1981	0.0	1060.0	600.0
1982	1144.0	1060.0	600.0	1983	0.0	1160.0	600.0	1984	1144.0	1160.0	600.0
1985	0.0	1260.0	600.0	1986	1144.0	1260.0	600.0	1987	0.0	1360.0	600.0
1988	1144.0	1360.0	600.0	1989	0.0	1460.0	600.0	1990	1144.0	1460.0	600.0
1991	0.0	1560.0	600.0	1992	104.0	1560.0	600.0	1993	208.0	1560.0	600.0
1994	312.0	1560.0	600.0	1995	416.0	1560.0	600.0	1996	520.0	1560.0	600.0
1997	624.0	1560.0	600.0	1998	728.0	1560.0	600.0	1999	832.0	1560.0	600.0
2000	936.0	1560.0	600.0	2001	1040.0	1560.0	600.0	2002	1144.0	1560.0	600.0
2285	0.0	560.0	700.0	2286	104.0	560.0	700.0	2287	208.0	560.0	700.0
2288	312.0	560.0	700.0	2289	416.0	560.0	700.0	2290	520.0	560.0	700.0
2291	624.0	560.0	700.0	2292	728.0	560.0	700.0	2293	832.0	560.0	700.0
2294	936.0	560.0	700.0	2295	1040.0	560.0	700.0	2296	1144.0	560.0	700.0
2297	0.0	660.0	700.0	2298	1144.0	660.0	700.0	2299	0.0	760.0	700.0
2300	1144.0	760.0	700.0	2301	0.0	860.0	700.0	2302	1144.0	860.0	700.0
2303	0.0	960.0	700.0	2304	1144.0	960.0	700.0	2305	0.0	1060.0	700.0
2306	1144.0	1060.0	700.0	2307	0.0	1160.0	700.0	2308	1144.0	1160.0	700.0
2309	0.0	1260.0	700.0	2310	1144.0	1260.0	700.0	2311	0.0	1360.0	700.0
2312	1144.0	1360.0	700.0	2313	0.0	1460.0	700.0	2314	1144.0	1460.0	700.0
2315	0.0	1560.0	700.0	2316	1144.0	1560.0	700.0	3000	0.0	560.0	800.0
3001	104.0	560.0	800.0	3002	208.0	560.0	800.0	3003	312.0	560.0	800.0
3004	416.0	560.0	800.0	3005	520.0	560.0	800.0	3006	624.0	560.0	800.0
3007	728.0	560.0	800.0	3008	832.0	560.0	800.0	3009	936.0	560.0	800.0
3010	1040.0	560.0	800.0	3011	1144.0	560.0	800.0	3012	0.0	660.0	800.0
3013	1144.0	660.0	800.0	3014	0.0	760.0	800.0	3015	1144.0	760.0	800.0
3016	0.0	860.0	800.0	3017	1144.0	860.0	800.0	3018	0.0	960.0	800.0
3019	1144.0	960.0	800.0	3020	0.0	1060.0	800.0	3021	1144.0	1060.0	800.0
3022	0.0	1160.0	800.0	3023	1144.0	1160.0	800.0	3024	0.0	1260.0	800.0
3025	1144.0	1260.0	800.0	3026	0.0	1360.0	800.0	3027	1144.0	1360.0	800.0
3028	0.0	1460.0	800.0	3029	1144.0	1460.0	800.0	3030	0.0	1560.0	800.0
3031	1144.0	1560.0	800.0	3506	0.0	560.0	900.0	3507	104.0	560.0	900.0
3508	208.0	560.0	900.0	3509	312.0	560.0	900.0	3510	416.0	560.0	900.0
3511	520.0	560.0	900.0	3512	624.0	560.0	900.0	3513	728.0	560.0	900.0
3514	847.0	560.0	900.0	3515	974.0	560.0	900.0	3516	1059.0	560.0	900.0
3517	1144.0	560.0	900.0	3530	0.0	660.0	900.0	3541	1144.0	660.0	900.0
3554	0.0	760.0	900.0	3565	1144.0	760.0	900.0	3578	0.0	860.0	900.0
3589	1144.0	860.0	900.0	3602	0.0	960.0	900.0	3613	1144.0	960.0	900.0
3626	0.0	1060.0	900.0	3637	1144.0	1060.0	900.0	3650	0.0	1160.0	900.0
3661	1144.0	1160.0	900.0	3674	0.0	1260.0	900.0	3685	1144.0	1260.0	900.0
3698	0.0	1360.0	900.0	3709	1144.0	1360.0	900.0	3722	0.0	1460.0	900.0
3733	1144.0	1460.0	900.0	3746	0.0	1560.0	900.0	3757	1144.0	1560.0	900.0

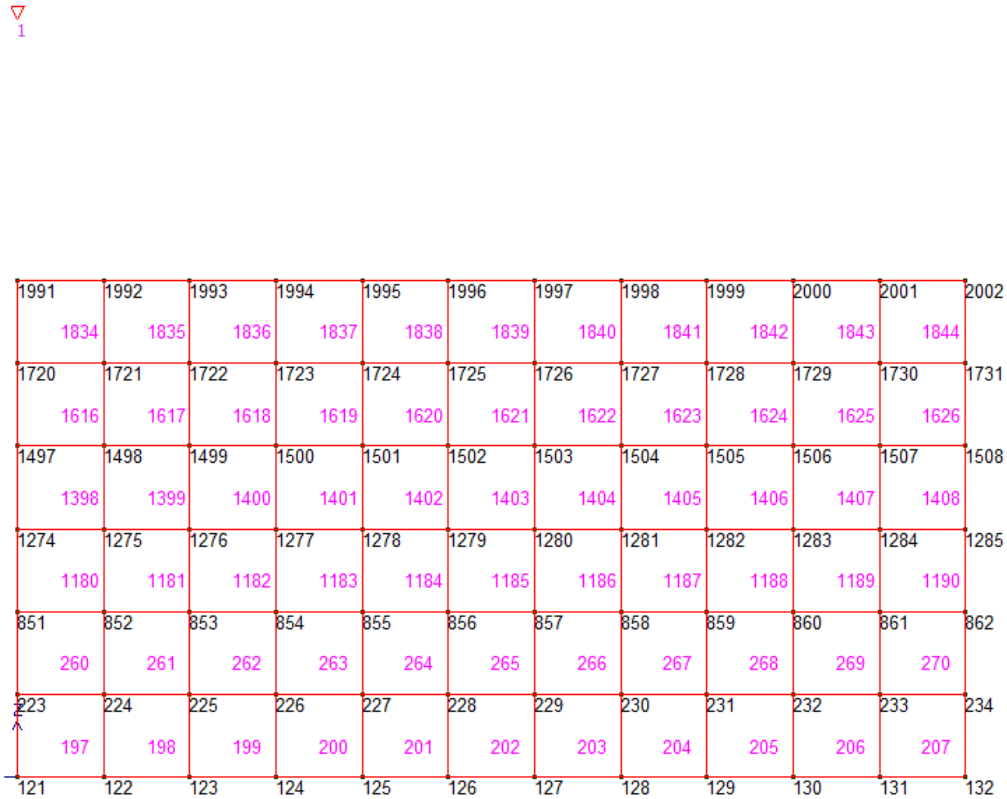
Numerazione nodi ed elementi parete posteriore fossa pompe



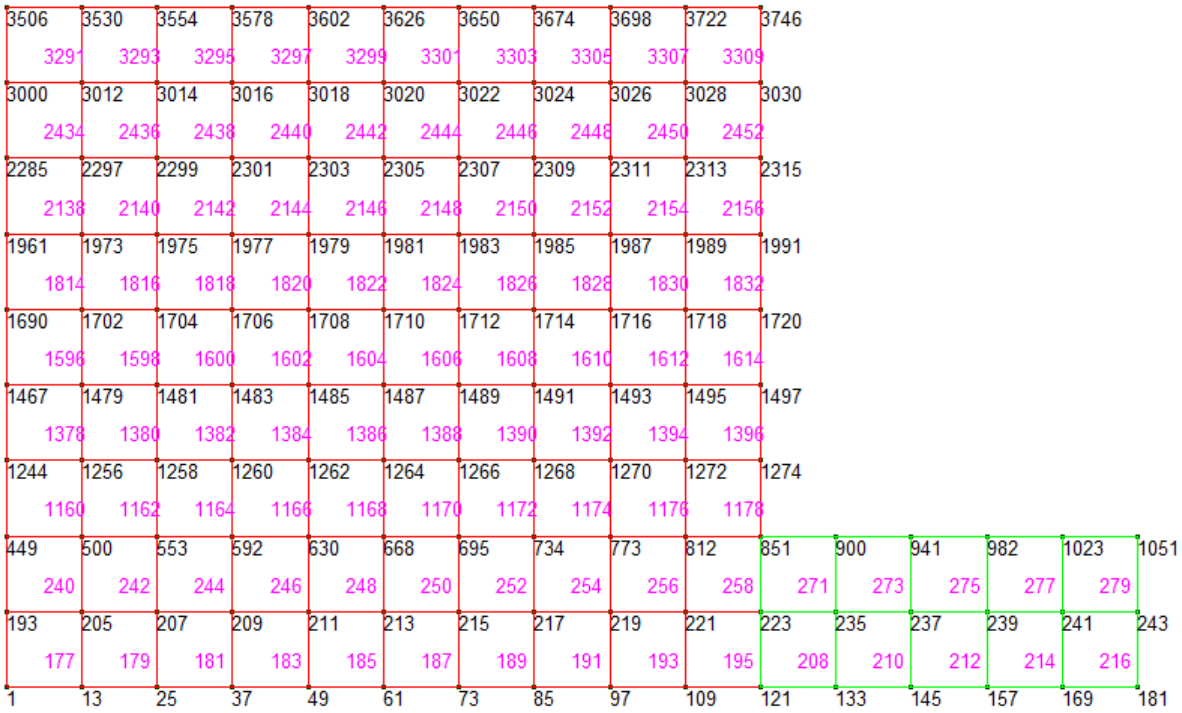
Numerazione nodi ed elementi parete posteriore vasca



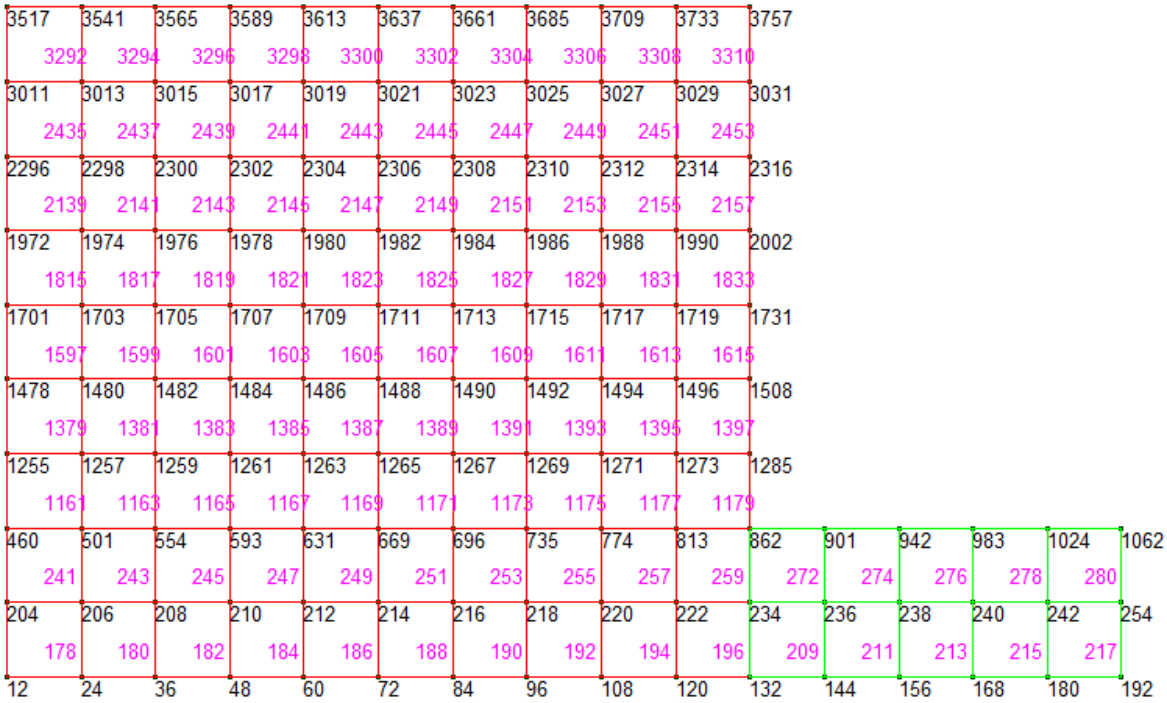
Numerazione nodi ed elementi parete anteriore vasca



Numerazione nodi ed elementi parete sinistra



Numerazione nodi ed elementi parete destra



3.9.2.2 MODELLAZIONE STRUTTURA: ELEMENTI SHELL

TABELLA DATI SHELL

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
166	Setto	193	194	2	1	4	50.0		
167	Setto	194	195	3	2	4	50.0		
168	Setto	195	196	4	3	4	50.0		
169	Setto	196	197	5	4	4	50.0		
170	Setto	197	198	6	5	4	50.0		
171	Setto	198	199	7	6	4	50.0		
172	Setto	199	200	8	7	4	50.0		
173	Setto	200	201	9	8	4	50.0		
174	Setto	201	202	10	9	4	50.0		
175	Setto	202	203	11	10	4	50.0		
176	Setto	203	204	12	11	4	50.0		
177	Setto	1	13	205	193	4	50.0		
178	Setto	12	24	206	204	4	50.0		
179	Setto	13	25	207	205	4	50.0		
180	Setto	24	36	208	206	4	50.0		
181	Setto	25	37	209	207	4	50.0		
182	Setto	36	48	210	208	4	50.0		
183	Setto	37	49	211	209	4	50.0		
184	Setto	48	60	212	210	4	50.0		
185	Setto	49	61	213	211	4	50.0		
186	Setto	60	72	214	212	4	50.0		
187	Setto	61	73	215	213	4	50.0		
188	Setto	72	84	216	214	4	50.0		
189	Setto	73	85	217	215	4	50.0		
190	Setto	84	96	218	216	4	50.0		
191	Setto	85	97	219	217	4	50.0		
192	Setto	96	108	220	218	4	50.0		
193	Setto	97	109	221	219	4	50.0		
194	Setto	108	120	222	220	4	50.0		
195	Setto	109	121	223	221	4	50.0		
196	Setto	120	132	234	222	4	50.0		
197	Setto	223	224	122	121	4	50.0		
198	Setto	224	225	123	122	4	50.0		
199	Setto	225	226	124	123	4	50.0		
200	Setto	226	227	125	124	4	50.0		
201	Setto	227	228	126	125	4	50.0		
202	Setto	228	229	127	126	4	50.0		
203	Setto	229	230	128	127	4	50.0		
204	Setto	230	231	129	128	4	50.0		
205	Setto	231	232	130	129	4	50.0		
206	Setto	232	233	131	130	4	50.0		
207	Setto	233	234	132	131	4	50.0		
208	Setto	121	133	235	223	4	30.0		
209	Setto	132	144	236	234	4	30.0		
210	Setto	133	145	237	235	4	30.0		
211	Setto	144	156	238	236	4	30.0		
212	Setto	145	157	239	237	4	30.0		
213	Setto	156	168	240	238	4	30.0		
214	Setto	157	169	241	239	4	30.0		
215	Setto	168	180	242	240	4	30.0		
216	Setto	169	181	243	241	4	30.0		
217	Setto	180	192	254	242	4	30.0		
218	Setto	243	244	182	181	4	30.0		
219	Setto	244	245	183	182	4	30.0		
220	Setto	245	246	184	183	4	30.0		
221	Setto	246	247	185	184	4	30.0		
222	Setto	247	248	186	185	4	30.0		
223	Setto	248	249	187	186	4	30.0		
224	Setto	249	250	188	187	4	30.0		
225	Setto	250	251	189	188	4	30.0		
226	Setto	251	252	190	189	4	30.0		
227	Setto	252	253	191	190	4	30.0		
228	Setto	253	254	192	191	4	30.0		
229	Setto	449	450	194	193	4	50.0		
230	Setto	450	451	195	194	4	50.0		
231	Setto	451	452	196	195	4	50.0		
232	Setto	452	453	197	196	4	50.0		
233	Setto	453	454	198	197	4	50.0		

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
234	Setto	454	455	199	198	4	50.0		
235	Setto	455	456	200	199	4	50.0		
236	Setto	456	457	201	200	4	50.0		
237	Setto	457	458	202	201	4	50.0		
238	Setto	458	459	203	202	4	50.0		
239	Setto	459	460	204	203	4	50.0		
240	Setto	193	205	500	449	4	50.0		
241	Setto	204	206	501	460	4	50.0		
242	Setto	205	207	553	500	4	50.0		
243	Setto	206	208	554	501	4	50.0		
244	Setto	207	209	592	553	4	50.0		
245	Setto	208	210	593	554	4	50.0		
246	Setto	209	211	630	592	4	50.0		
247	Setto	210	212	631	593	4	50.0		
248	Setto	211	213	668	630	4	50.0		
249	Setto	212	214	669	631	4	50.0		
250	Setto	213	215	695	668	4	50.0		
251	Setto	214	216	696	669	4	50.0		
252	Setto	215	217	734	695	4	50.0		
253	Setto	216	218	735	696	4	50.0		
254	Setto	217	219	773	734	4	50.0		
255	Setto	218	220	774	735	4	50.0		
256	Setto	219	221	812	773	4	50.0		
257	Setto	220	222	813	774	4	50.0		
258	Setto	221	223	851	812	4	50.0		
259	Setto	222	234	862	813	4	50.0		
260	Setto	851	852	224	223	4	50.0		
261	Setto	852	853	225	224	4	50.0		
262	Setto	853	854	226	225	4	50.0		
263	Setto	854	855	227	226	4	50.0		
264	Setto	855	856	228	227	4	50.0		
265	Setto	856	857	229	228	4	50.0		
266	Setto	857	858	230	229	4	50.0		
267	Setto	858	859	231	230	4	50.0		
268	Setto	859	860	232	231	4	50.0		
269	Setto	860	861	233	232	4	50.0		
270	Setto	861	862	234	233	4	50.0		
271	Setto	223	235	900	851	4	30.0		
272	Setto	234	236	901	862	4	30.0		
273	Setto	235	237	941	900	4	30.0		
274	Setto	236	238	942	901	4	30.0		
275	Setto	237	239	982	941	4	30.0		
276	Setto	238	240	983	942	4	30.0		
277	Setto	239	241	1023	982	4	30.0		
278	Setto	240	242	1024	983	4	30.0		
279	Setto	241	243	1051	1023	4	30.0		
280	Setto	242	254	1062	1024	4	30.0		
281	Setto	1051	1052	244	243	4	30.0		
282	Setto	1052	1053	245	244	4	30.0		
283	Setto	1053	1054	246	245	4	30.0		
284	Setto	1054	1055	247	246	4	30.0		
285	Setto	1055	1056	248	247	4	30.0		
286	Setto	1056	1057	249	248	4	30.0		
287	Setto	1057	1058	250	249	4	30.0		
288	Setto	1058	1059	251	250	4	30.0		
289	Setto	1059	1060	252	251	4	30.0		
290	Setto	1060	1061	253	252	4	30.0		
291	Setto	1061	1062	254	253	4	30.0		
1149	Setto	1244	1245	450	449	4	50.0		
1150	Setto	1245	1246	451	450	4	50.0		
1151	Setto	1246	1247	452	451	4	50.0		
1152	Setto	1247	1248	453	452	4	50.0		
1153	Setto	1248	1249	454	453	4	50.0		
1154	Setto	1249	1250	455	454	4	50.0		
1155	Setto	1250	1251	456	455	4	50.0		
1156	Setto	1251	1252	457	456	4	50.0		
1157	Setto	1252	1253	458	457	4	50.0		
1158	Setto	1253	1254	459	458	4	50.0		
1159	Setto	1254	1255	460	459	4	50.0		
1160	Setto	449	500	1256	1244	4	50.0		
1161	Setto	460	501	1257	1255	4	50.0		
1162	Setto	500	553	1258	1256	4	50.0		
1163	Setto	501	554	1259	1257	4	50.0		
1164	Setto	553	592	1260	1258	4	50.0		

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
1165	Setto	554	593	1261	1259	4	50.0		
1166	Setto	592	630	1262	1260	4	50.0		
1167	Setto	593	631	1263	1261	4	50.0		
1168	Setto	630	668	1264	1262	4	50.0		
1169	Setto	631	669	1265	1263	4	50.0		
1170	Setto	668	695	1266	1264	4	50.0		
1171	Setto	669	696	1267	1265	4	50.0		
1172	Setto	695	734	1268	1266	4	50.0		
1173	Setto	696	735	1269	1267	4	50.0		
1174	Setto	734	773	1270	1268	4	50.0		
1175	Setto	735	774	1271	1269	4	50.0		
1176	Setto	773	812	1272	1270	4	50.0		
1177	Setto	774	813	1273	1271	4	50.0		
1178	Setto	812	851	1274	1272	4	50.0		
1179	Setto	813	862	1285	1273	4	50.0		
1180	Setto	1274	1275	852	851	4	50.0		
1181	Setto	1275	1276	853	852	4	50.0		
1182	Setto	1276	1277	854	853	4	50.0		
1183	Setto	1277	1278	855	854	4	50.0		
1184	Setto	1278	1279	856	855	4	50.0		
1185	Setto	1279	1280	857	856	4	50.0		
1186	Setto	1280	1281	858	857	4	50.0		
1187	Setto	1281	1282	859	858	4	50.0		
1188	Setto	1282	1283	860	859	4	50.0		
1189	Setto	1283	1284	861	860	4	50.0		
1190	Setto	1284	1285	862	861	4	50.0		
1367	Setto	1467	1468	1245	1244	4	50.0		
1368	Setto	1468	1469	1246	1245	4	50.0		
1369	Setto	1469	1470	1247	1246	4	50.0		
1370	Setto	1470	1471	1248	1247	4	50.0		
1371	Setto	1471	1472	1249	1248	4	50.0		
1372	Setto	1472	1473	1250	1249	4	50.0		
1373	Setto	1473	1474	1251	1250	4	50.0		
1374	Setto	1474	1475	1252	1251	4	50.0		
1375	Setto	1475	1476	1253	1252	4	50.0		
1376	Setto	1476	1477	1254	1253	4	50.0		
1377	Setto	1477	1478	1255	1254	4	50.0		
1378	Setto	1244	1256	1479	1467	4	50.0		
1379	Setto	1255	1257	1480	1478	4	50.0		
1380	Setto	1256	1258	1481	1479	4	50.0		
1381	Setto	1257	1259	1482	1480	4	50.0		
1382	Setto	1258	1260	1483	1481	4	50.0		
1383	Setto	1259	1261	1484	1482	4	50.0		
1384	Setto	1260	1262	1485	1483	4	50.0		
1385	Setto	1261	1263	1486	1484	4	50.0		
1386	Setto	1262	1264	1487	1485	4	50.0		
1387	Setto	1263	1265	1488	1486	4	50.0		
1388	Setto	1264	1266	1489	1487	4	50.0		
1389	Setto	1265	1267	1490	1488	4	50.0		
1390	Setto	1266	1268	1491	1489	4	50.0		
1391	Setto	1267	1269	1492	1490	4	50.0		
1392	Setto	1268	1270	1493	1491	4	50.0		
1393	Setto	1269	1271	1494	1492	4	50.0		
1394	Setto	1270	1272	1495	1493	4	50.0		
1395	Setto	1271	1273	1496	1494	4	50.0		
1396	Setto	1272	1274	1497	1495	4	50.0		
1397	Setto	1273	1285	1508	1496	4	50.0		
1398	Setto	1497	1498	1275	1274	4	50.0		
1399	Setto	1498	1499	1276	1275	4	50.0		
1400	Setto	1499	1500	1277	1276	4	50.0		
1401	Setto	1500	1501	1278	1277	4	50.0		
1402	Setto	1501	1502	1279	1278	4	50.0		
1403	Setto	1502	1503	1280	1279	4	50.0		
1404	Setto	1503	1504	1281	1280	4	50.0		
1405	Setto	1504	1505	1282	1281	4	50.0		
1406	Setto	1505	1506	1283	1282	4	50.0		
1407	Setto	1506	1507	1284	1283	4	50.0		
1408	Setto	1507	1508	1285	1284	4	50.0		
1585	Setto	1690	1691	1468	1467	4	50.0		
1586	Setto	1691	1692	1469	1468	4	50.0		
1587	Setto	1692	1693	1470	1469	4	50.0		
1588	Setto	1693	1694	1471	1470	4	50.0		
1589	Setto	1694	1695	1472	1471	4	50.0		
1590	Setto	1695	1696	1473	1472	4	50.0		

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
1591	Setto	1696	1697	1474	1473	4	50.0		
1592	Setto	1697	1698	1475	1474	4	50.0		
1593	Setto	1698	1699	1476	1475	4	50.0		
1594	Setto	1699	1700	1477	1476	4	50.0		
1595	Setto	1700	1701	1478	1477	4	50.0		
1596	Setto	1467	1479	1702	1690	4	50.0		
1597	Setto	1478	1480	1703	1701	4	50.0		
1598	Setto	1479	1481	1704	1702	4	50.0		
1599	Setto	1480	1482	1705	1703	4	50.0		
1600	Setto	1481	1483	1706	1704	4	50.0		
1601	Setto	1482	1484	1707	1705	4	50.0		
1602	Setto	1483	1485	1708	1706	4	50.0		
1603	Setto	1484	1486	1709	1707	4	50.0		
1604	Setto	1485	1487	1710	1708	4	50.0		
1605	Setto	1486	1488	1711	1709	4	50.0		
1606	Setto	1487	1489	1712	1710	4	50.0		
1607	Setto	1488	1490	1713	1711	4	50.0		
1608	Setto	1489	1491	1714	1712	4	50.0		
1609	Setto	1490	1492	1715	1713	4	50.0		
1610	Setto	1491	1493	1716	1714	4	50.0		
1611	Setto	1492	1494	1717	1715	4	50.0		
1612	Setto	1493	1495	1718	1716	4	50.0		
1613	Setto	1494	1496	1719	1717	4	50.0		
1614	Setto	1495	1497	1720	1718	4	50.0		
1615	Setto	1496	1508	1731	1719	4	50.0		
1616	Setto	1720	1721	1498	1497	4	50.0		
1617	Setto	1721	1722	1499	1498	4	50.0		
1618	Setto	1722	1723	1500	1499	4	50.0		
1619	Setto	1723	1724	1501	1500	4	50.0		
1620	Setto	1724	1725	1502	1501	4	50.0		
1621	Setto	1725	1726	1503	1502	4	50.0		
1622	Setto	1726	1727	1504	1503	4	50.0		
1623	Setto	1727	1728	1505	1504	4	50.0		
1624	Setto	1728	1729	1506	1505	4	50.0		
1625	Setto	1729	1730	1507	1506	4	50.0		
1626	Setto	1730	1731	1508	1507	4	50.0		
1803	Setto	1961	1962	1691	1690	4	50.0		
1804	Setto	1962	1963	1692	1691	4	50.0		
1805	Setto	1963	1964	1693	1692	4	50.0		
1806	Setto	1964	1965	1694	1693	4	50.0		
1807	Setto	1965	1966	1695	1694	4	50.0		
1808	Setto	1966	1967	1696	1695	4	50.0		
1809	Setto	1967	1968	1697	1696	4	50.0		
1810	Setto	1968	1969	1698	1697	4	50.0		
1811	Setto	1969	1970	1699	1698	4	50.0		
1812	Setto	1970	1971	1700	1699	4	50.0		
1813	Setto	1971	1972	1701	1700	4	50.0		
1814	Setto	1690	1702	1973	1961	4	50.0		
1815	Setto	1701	1703	1974	1972	4	50.0		
1816	Setto	1702	1704	1975	1973	4	50.0		
1817	Setto	1703	1705	1976	1974	4	50.0		
1818	Setto	1704	1706	1977	1975	4	50.0		
1819	Setto	1705	1707	1978	1976	4	50.0		
1820	Setto	1706	1708	1979	1977	4	50.0		
1821	Setto	1707	1709	1980	1978	4	50.0		
1822	Setto	1708	1710	1981	1979	4	50.0		
1823	Setto	1709	1711	1982	1980	4	50.0		
1824	Setto	1710	1712	1983	1981	4	50.0		
1825	Setto	1711	1713	1984	1982	4	50.0		
1826	Setto	1712	1714	1985	1983	4	50.0		
1827	Setto	1713	1715	1986	1984	4	50.0		
1828	Setto	1714	1716	1987	1985	4	50.0		
1829	Setto	1715	1717	1988	1986	4	50.0		
1830	Setto	1716	1718	1989	1987	4	50.0		
1831	Setto	1717	1719	1990	1988	4	50.0		
1832	Setto	1718	1720	1991	1989	4	50.0		
1833	Setto	1719	1731	2002	1990	4	50.0		
1834	Setto	1991	1992	1721	1720	4	50.0		
1835	Setto	1992	1993	1722	1721	4	50.0		
1836	Setto	1993	1994	1723	1722	4	50.0		
1837	Setto	1994	1995	1724	1723	4	50.0		
1838	Setto	1995	1996	1725	1724	4	50.0		
1839	Setto	1996	1997	1726	1725	4	50.0		
1840	Setto	1997	1998	1727	1726	4	50.0		

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
1841	Setto	1998	1999	1728	1727	4	50.0		
1842	Setto	1999	2000	1729	1728	4	50.0		
1843	Setto	2000	2001	1730	1729	4	50.0		
1844	Setto	2001	2002	1731	1730	4	50.0		
2127	Setto	2285	2286	1962	1961	4	50.0		
2128	Setto	2286	2287	1963	1962	4	50.0		
2129	Setto	2287	2288	1964	1963	4	50.0		
2130	Setto	2288	2289	1965	1964	4	50.0		
2131	Setto	2289	2290	1966	1965	4	50.0		
2132	Setto	2290	2291	1967	1966	4	50.0		
2133	Setto	2291	2292	1968	1967	4	50.0		
2134	Setto	2292	2293	1969	1968	4	50.0		
2135	Setto	2293	2294	1970	1969	4	50.0		
2136	Setto	2294	2295	1971	1970	4	50.0		
2137	Setto	2295	2296	1972	1971	4	50.0		
2138	Setto	1961	1973	2297	2285	4	50.0		
2139	Setto	1972	1974	2298	2296	4	50.0		
2140	Setto	1973	1975	2299	2297	4	50.0		
2141	Setto	1974	1976	2300	2298	4	50.0		
2142	Setto	1975	1977	2301	2299	4	50.0		
2143	Setto	1976	1978	2302	2300	4	50.0		
2144	Setto	1977	1979	2303	2301	4	50.0		
2145	Setto	1978	1980	2304	2302	4	50.0		
2146	Setto	1979	1981	2305	2303	4	50.0		
2147	Setto	1980	1982	2306	2304	4	50.0		
2148	Setto	1981	1983	2307	2305	4	50.0		
2149	Setto	1982	1984	2308	2306	4	50.0		
2150	Setto	1983	1985	2309	2307	4	50.0		
2151	Setto	1984	1986	2310	2308	4	50.0		
2152	Setto	1985	1987	2311	2309	4	50.0		
2153	Setto	1986	1988	2312	2310	4	50.0		
2154	Setto	1987	1989	2313	2311	4	50.0		
2155	Setto	1988	1990	2314	2312	4	50.0		
2156	Setto	1989	1991	2315	2313	4	50.0		
2157	Setto	1990	2002	2316	2314	4	50.0		
2423	Setto	3000	3001	2286	2285	4	50.0		
2424	Setto	3001	3002	2287	2286	4	50.0		
2425	Setto	3002	3003	2288	2287	4	50.0		
2426	Setto	3003	3004	2289	2288	4	50.0		
2427	Setto	3004	3005	2290	2289	4	50.0		
2428	Setto	3005	3006	2291	2290	4	50.0		
2429	Setto	3006	3007	2292	2291	4	50.0		
2430	Setto	3007	3008	2293	2292	4	50.0		
2431	Setto	3008	3009	2294	2293	4	50.0		
2432	Setto	3009	3010	2295	2294	4	50.0		
2433	Setto	3010	3011	2296	2295	4	50.0		
2434	Setto	2285	2297	3012	3000	4	50.0		
2435	Setto	2296	2298	3013	3011	4	50.0		
2436	Setto	2297	2299	3014	3012	4	50.0		
2437	Setto	2298	2300	3015	3013	4	50.0		
2438	Setto	2299	2301	3016	3014	4	50.0		
2439	Setto	2300	2302	3017	3015	4	50.0		
2440	Setto	2301	2303	3018	3016	4	50.0		
2441	Setto	2302	2304	3019	3017	4	50.0		
2442	Setto	2303	2305	3020	3018	4	50.0		
2443	Setto	2304	2306	3021	3019	4	50.0		
2444	Setto	2305	2307	3022	3020	4	50.0		
2445	Setto	2306	2308	3023	3021	4	50.0		
2446	Setto	2307	2309	3024	3022	4	50.0		
2447	Setto	2308	2310	3025	3023	4	50.0		
2448	Setto	2309	2311	3026	3024	4	50.0		
2449	Setto	2310	2312	3027	3025	4	50.0		
2450	Setto	2311	2313	3028	3026	4	50.0		
2451	Setto	2312	2314	3029	3027	4	50.0		
2452	Setto	2313	2315	3030	3028	4	50.0		
2453	Setto	2314	2316	3031	3029	4	50.0		
3280	Setto	3506	3507	3001	3000	4	50.0		
3281	Setto	3507	3508	3002	3001	4	50.0		
3282	Setto	3508	3509	3003	3002	4	50.0		
3283	Setto	3509	3510	3004	3003	4	50.0		
3284	Setto	3510	3511	3005	3004	4	50.0		
3285	Setto	3511	3512	3006	3005	4	50.0		
3286	Setto	3512	3513	3007	3006	4	50.0		
3287	Setto	3513	3514	3008	3007	4	50.0		

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
3288	Setto	3514	3515	3009	3008	4	50.0		
3289	Setto	3515	3516	3010	3009	4	50.0		
3290	Setto	3516	3517	3011	3010	4	50.0		
3291	Setto	3000	3012	3530	3506	4	50.0		
3292	Setto	3011	3013	3541	3517	4	50.0		
3293	Setto	3012	3014	3554	3530	4	50.0		
3294	Setto	3013	3015	3565	3541	4	50.0		
3295	Setto	3014	3016	3578	3554	4	50.0		
3296	Setto	3015	3017	3589	3565	4	50.0		
3297	Setto	3016	3018	3602	3578	4	50.0		
3298	Setto	3017	3019	3613	3589	4	50.0		
3299	Setto	3018	3020	3626	3602	4	50.0		
3300	Setto	3019	3021	3637	3613	4	50.0		
3301	Setto	3020	3022	3650	3626	4	50.0		
3302	Setto	3021	3023	3661	3637	4	50.0		
3303	Setto	3022	3024	3674	3650	4	50.0		
3304	Setto	3023	3025	3685	3661	4	50.0		
3305	Setto	3024	3026	3698	3674	4	50.0		
3306	Setto	3025	3027	3709	3685	4	50.0		
3307	Setto	3026	3028	3722	3698	4	50.0		
3308	Setto	3027	3029	3733	3709	4	50.0		
3309	Setto	3028	3030	3746	3722	4	50.0		
3310	Setto	3029	3031	3757	3733	4	50.0		

3.9.2.3 VERIFICHE ELEMENTI PARETE E GUSCIO IN C.A.

TABELLA VERIFICHE ELEMENTI PARETE IN C.A.

M_S	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
2	ok 1	0.09	0.4	1.75e-02	12.7	12.7	7.7	7.7	275.2	-107.2	103.1	3073.6	2596.5	1475.0
2	ok 2	0.09	0.3	4.60e-02	12.7	12.7	7.7	7.7	-133.4	-328.4	47.3	-497.6	365.4	4608.3
2	ok 3	0.09	0.5	5.47e-02	12.7	12.7	7.7	7.7	-269.8	-381.5	8.1	-6211.8	-1825.2	1280.9
2	ok 4	0.09	0.6	5.73e-02	12.7	12.7	7.7	7.7	-304.5	-369.3	-99.4	-1.003e+04	-1958.9	-420.4
2	ok 5	0.09	0.7	5.38e-02	12.7	12.7	7.7	7.7	-277.7	-325.7	-111.5	-1.138e+04	-2242.4	-1258.6
2	ok 6	0.09	0.8	4.79e-02	12.7	12.7	7.7	7.7	-320.4	-296.7	-30.6	-2.113e+04	-4244.3	292.3
2	ok 7	0.09	0.8	4.52e-02	12.7	12.7	7.7	7.7	-319.1	-295.0	44.0	-2.110e+04	-4232.5	-390.5
2	ok 8	0.09	0.7	4.82e-02	12.7	12.7	7.7	7.7	-304.3	-285.8	48.4	-1.924e+04	-3852.8	-960.2
2	ok 9	0.09	0.6	5.13e-02	12.7	12.7	7.7	7.7	-225.0	-307.9	122.3	-6526.8	-1156.8	395.1
2	ok 10	0.09	0.5	5.16e-02	12.7	12.7	7.7	7.7	-229.1	-303.5	91.1	-3674.8	-930.9	-781.6
2	ok 11	0.09	0.3	4.73e-02	12.7	12.7	7.7	7.7	-103.8	-316.5	93.2	614.7	205.6	-3888.6
2	ok 12	0.09	0.4	1.31e-02	12.7	12.7	7.7	7.7	284.0	-98.7	-14.4	4551.2	2347.7	-977.8
2	ok 193	0.10	0.9	4.49e-03	14.0	18.5	9.0	15.4	456.0	228.5	309.0	-4487.8	1.197e+04	-731.6
2	ok 194	0.10	1.0	1.93e-02	18.8	12.7	12.4	7.7	27.4	118.8	120.3	-2.393e+04	-8330.9	-2408.2
2	ok 195	0.10	1.0	3.04e-02	17.4	12.7	8.6	7.7	-212.5	3.5	18.7	-2.955e+04	-9066.3	-1472.2
2	ok 196	0.10	1.0	3.67e-02	15.9	12.7	7.7	7.7	-244.5	-82.0	-35.5	-2.877e+04	-6280.2	-807.9
2	ok 197	0.09	1.0	3.99e-02	14.8	12.7	7.7	7.7	-237.4	-112.7	-88.3	-2.707e+04	-5755.1	-840.5
2	ok 198	0.09	1.0	4.10e-02	14.2	12.7	8.1	7.7	-303.9	-148.6	-11.3	-1.529e+04	-3385.4	-123.2
2	ok 199	0.09	1.0	4.07e-02	13.3	12.7	7.7	7.7	-318.2	-154.5	26.4	-1.499e+04	-3275.6	-177.5
2	ok 200	0.09	0.9	3.88e-02	12.7	12.7	7.7	7.7	-302.9	-139.5	18.4	-1.413e+04	-3085.1	-324.7
2	ok 201	0.09	0.9	3.51e-02	12.7	12.7	7.7	7.7	-220.3	-89.3	77.2	-1.606e+04	-3223.8	379.3
2	ok 202	0.09	0.9	3.05e-02	12.7	12.7	7.7	7.7	-218.9	-19.5	43.4	-1.436e+04	-3216.2	504.7
2	ok 203	0.09	0.9	9.99e-03	12.8	12.7	8.8	7.7	-42.5	206.0	62.6	-1.366e+04	-7569.9	369.4
2	ok 204	0.10	0.9	1.61e-02	19.1	20.1	11.7	16.9	789.4	334.8	-194.4	-3020.0	1.040e+04	1836.9
2	ok 449	0.14	1.0	3.49e-02	35.0	26.0	18.0	21.9	-261.8	209.0	121.3	3.864e+04	2.061e+04	-8338.9
2	ok 450	0.15	1.0	7.36e-02	38.5	16.3	27.0	11.3	179.6	298.0	302.2	-4.284e+04	-1.175e+04	-7442.0
2	ok 451	0.12	1.0	7.93e-02	26.2	12.7	13.6	7.7	-129.8	180.0	143.1	-3.848e+04	-7519.6	-1782.5
2	ok 452	0.11	1.0	9.02e-02	21.7	12.7	8.8	7.7	-200.7	101.6	-45.5	-3.575e+04	-7080.2	-40.4
2	ok 453	0.10	1.0	9.31e-02	19.8	12.7	9.4	7.7	-212.7	63.2	-111.0	-3.252e+04	-6501.7	666.1
2	ok 454	0.10	1.0	9.18e-02	18.0	12.7	9.3	7.7	-195.9	40.6	-136.0	-2.881e+04	-5778.6	1061.5
2	ok 455	0.10	1.0	8.44e-02	16.0	12.7	8.8	7.7	-166.6	50.4	-93.0	-2.486e+04	-4996.0	1267.2
2	ok 456	0.09	1.0	7.55e-02	14.5	12.7	8.0	7.7	-318.7	-1.0	-282.4	1.649e+04	3269.1	1710.0
2	ok 457	0.09	1.0	6.89e-02	14.1	12.7	8.4	7.7	-397.9	-26.0	181.0	1.448e+04	2860.0	-699.7
2	ok 458	0.09	1.0	5.60e-02	15.0	12.7	9.6	7.7	-159.8	56.2	-108.2	-2.443e+04	-5374.2	113.4

M_S	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
2	ok 459	0.11	1.0	3.95e-02	21.4	12.7	15.4	7.7	-178.6	148.8	-219.4	-2.879e+04	-9577.6	2680.4
2	ok 460	0.19	1.0	0.1	49.5	21.5	9.0	16.1	-1050.3	-156.6	140.1	4.938e+04	2.210e+04	910.6
2	ok 1244	0.09	0.9	5.01e-02	15.6	13.3	7.7	10.6	-247.4	103.4	276.0	1.214e+04	8317.2	-2967.3
2	ok 1245	0.09	1.0	6.07e-02	12.7	15.4	7.7	12.0	-480.2	159.4	67.3	2.322e+04	1.287e+04	-5884.8
2	ok 1246	0.09	0.9	7.03e-02	12.7	13.7	7.7	8.8	-548.8	126.9	-55.5	2.030e+04	8783.0	-2306.4
2	ok 1247	0.09	0.7	8.04e-02	12.7	12.7	7.7	7.7	-607.1	104.8	-148.2	1.740e+04	4925.2	-604.2
2	ok 1248	0.09	0.6	8.44e-02	12.7	12.7	7.7	7.7	-601.2	88.5	-223.3	1.549e+04	3829.1	322.4
2	ok 1249	0.09	0.5	8.33e-02	12.7	12.7	7.7	7.7	-551.0	74.3	-275.4	1.356e+04	3043.4	443.2
2	ok 1250	0.09	0.5	8.01e-02	12.7	12.7	7.7	7.7	-479.7	61.7	-291.1	1.157e+04	2316.7	463.4
2	ok 1251	0.09	0.5	6.96e-02	12.7	12.7	7.7	7.7	-320.7	67.3	-336.3	9552.2	1862.0	319.5
2	ok 1252	0.09	0.4	5.95e-02	12.7	12.7	7.7	7.7	-377.5	35.9	197.6	9046.1	1944.1	-491.1
2	ok 1253	0.09	0.6	4.82e-02	12.7	12.7	7.7	7.7	-314.7	23.2	136.2	1.100e+04	3120.7	459.0
2	ok 1254	0.09	1.0	4.49e-02	12.7	14.9	7.7	9.8	-261.3	-62.8	166.8	1.679e+04	1.000e+04	4873.2
2	ok 1255	0.11	1.0	8.90e-02	23.3	16.3	10.4	12.2	626.6	243.8	-242.1	-1.839e+04	1953.1	-1068.7
2	ok 1467	0.09	0.9	3.74e-02	12.7	13.4	7.7	9.5	-41.7	88.9	258.1	1449.7	6302.5	1785.2
2	ok 1468	0.09	0.9	4.64e-02	12.7	12.8	7.7	8.1	-259.8	112.5	198.3	3270.7	5861.6	690.8
2	ok 1469	0.09	0.8	5.66e-02	12.7	12.7	7.7	7.7	-441.4	167.7	-67.1	9315.4	5939.1	-1535.2
2	ok 1470	0.09	0.6	6.83e-02	12.7	12.7	7.7	7.7	-510.5	161.1	-121.5	9565.3	4599.7	-952.5
2	ok 1471	0.09	0.4	7.45e-02	12.7	12.7	7.7	7.7	-527.8	152.4	-193.1	8374.7	2728.2	-713.7
2	ok 1472	0.09	0.4	7.57e-02	12.7	12.7	7.7	7.7	-499.4	139.9	-247.8	7089.9	1772.7	-662.4
2	ok 1473	0.09	0.3	7.27e-02	12.7	12.7	7.7	7.7	-441.9	127.5	-295.1	5771.9	1118.2	-794.7
2	ok 1474	0.09	0.3	6.79e-02	12.7	12.7	7.7	7.7	-374.5	115.3	-299.1	4712.7	152.8	-1062.1
2	ok 1475	0.09	0.3	5.39e-02	12.7	12.7	7.7	7.7	-215.4	121.2	-288.1	2028.3	-465.2	-1701.4
2	ok 1476	0.09	0.5	4.40e-02	12.7	12.7	7.7	7.7	-119.5	120.9	-311.3	1788.0	380.1	-1493.5
2	ok 1477	0.09	0.8	3.61e-02	12.7	12.7	7.7	7.7	-220.6	142.8	73.2	3736.6	6444.5	-56.3
2	ok 1478	0.09	0.9	3.38e-02	12.7	13.3	7.7	9.7	404.6	83.2	-251.2	4453.3	5303.1	-391.0
2	ok 1690	0.09	0.9	2.63e-02	12.7	13.6	7.7	8.6	48.7	86.7	216.3	1815.1	6008.2	1826.5
2	ok 1691	0.09	0.6	3.49e-02	12.7	12.7	7.7	7.7	-182.9	113.3	171.7	464.4	3550.2	2030.6
2	ok 1692	0.09	0.5	4.45e-02	12.7	12.7	7.7	7.7	-342.5	177.1	-75.3	2803.5	3694.1	-64.2
2	ok 1693	0.09	0.4	5.78e-02	12.7	12.7	7.7	7.7	-426.2	183.2	-118.1	3680.7	2711.6	-666.6
2	ok 1694	0.09	0.3	6.52e-02	12.7	12.7	7.7	7.7	-457.7	181.3	-180.5	3532.8	1741.1	-967.6
2	ok 1695	0.09	0.3	6.79e-02	12.7	12.7	7.7	7.7	-445.3	170.3	-231.0	2879.9	715.8	-1256.2
2	ok 1696	0.09	0.2	6.70e-02	12.7	12.7	7.7	7.7	-402.2	156.6	-279.4	2306.3	-561.1	-1447.7
2	ok 1697	0.09	0.2	6.29e-02	12.7	12.7	7.7	7.7	-341.2	142.9	-313.2	563.5	-381.4	-1651.7
2	ok 1698	0.09	0.3	5.46e-02	12.7	12.7	7.7	7.7	-263.2	104.0	-280.0	693.4	-625.4	-1711.9
2	ok 1699	0.09	0.4	4.57e-02	12.7	12.7	7.7	7.7	-114.5	110.0	-300.8	694.5	326.1	-1768.1
2	ok 1700	0.09	0.6	3.56e-02	12.7	12.7	7.7	7.7	47.3	70.7	-233.5	1087.6	1776.6	-1831.3
2	ok 1701	0.09	0.9	2.51e-02	12.7	12.9	7.7	7.9	205.8	59.9	-252.6	647.4	5026.8	-1472.9
2	ok 1961	0.09	0.8	2.27e-02	12.7	12.7	7.7	7.7	245.3	71.9	-41.2	-1052.4	8187.3	775.4
2	ok 1962	0.09	0.4	2.75e-02	12.7	12.7	7.7	7.7	-5.2	132.7	-79.7	-21.9	3481.9	1815.2
2	ok 1963	0.09	0.2	3.63e-02	12.7	12.7	7.7	7.7	-213.5	181.8	-87.9	-1913.2	1169.7	74.5
2	ok 1964	0.09	0.2	4.92e-02	12.7	12.7	7.7	7.7	-312.2	188.7	-116.6	-2436.2	511.3	-506.4
2	ok 1965	0.09	0.2	5.71e-02	12.7	12.7	7.7	7.7	-361.1	180.8	-178.6	-3297.8	-690.4	-1212.2
2	ok 1966	0.09	0.3	6.02e-02	12.7	12.7	7.7	7.7	-361.2	158.8	-214.5	-3630.5	-1287.4	-1894.4
2	ok 1967	0.09	0.2	6.09e-02	12.7	12.7	7.7	7.7	-338.8	170.9	-249.2	-2297.6	-1434.7	-1261.1
2	ok 1968	0.09	0.2	5.78e-02	12.7	12.7	7.7	7.7	-290.0	153.3	-272.4	-1445.7	-865.5	-1460.4
2	ok 1969	0.09	0.2	5.26e-02	12.7	12.7	7.7	7.7	-222.7	96.6	-264.6	-896.9	-846.4	-1561.4
2	ok 1970	0.09	0.3	4.38e-02	12.7	12.7	7.7	7.7	-38.1	148.9	161.0	874.7	1702.7	66.4
2	ok 1971	0.09	0.5	3.31e-02	12.7	12.7	7.7	7.7	114.4	111.7	123.6	1537.4	4852.0	-841.0
2	ok 1972	0.09	0.8	2.39e-02	12.7	12.7	7.7	7.7	297.5	83.7	74.0	1382.8	7688.7	-713.3
2	ok 2285	0.09	0.9	1.12e-02	12.7	13.7	7.7	8.7	239.8	130.5	-115.7	-5162.4	4938.8	3789.7
2	ok 2286	0.09	0.3	2.63e-02	12.7	12.7	7.7	7.7	-10.0	125.8	-91.6	-1517.6	1103.2	1502.4
2	ok 2287	0.09	0.2	3.31e-02	12.7	12.7	7.7	7.7	-203.3	146.7	-91.3	-4469.2	-614.4	189.6
2	ok 2288	0.09	0.2	4.21e-02	12.7	12.7	7.7	7.7	-295.3	144.1	-120.7	-4141.6	-709.3	-525.2
2	ok 2289	0.09	0.2	5.00e-02	12.7	12.7	7.7	7.7	-337.5	143.9	-168.2	-4054.3	-582.8	-1189.7
2	ok 2290	0.09	0.5	5.56e-02	12.7	12.7	7.7	7.7	-351.6	147.1	-218.1	-7358.7	-1543.0	-2309.2
2	ok 2291	0.09	0.3	5.53e-02	12.7	12.7	7.7	7.7	-308.6	167.4	-212.3	-4586.7	-2120.7	-744.6
2	ok 2292	0.09	0.2	5.29e-02	12.7	12.7	7.7	7.7	-285.4	87.3	-256.3	-2956.2	-1257.1	-1303.7
2	ok 2293	0.09	0.2	4.78e-02	12.7	12.7	7.7	7.7	-205.5	78.0	-274.7	-2333.5	-941.5	-1350.2
2	ok 2294	0.09	0.2	4.12e-02	12.7	12.7	7.7	7.7	-129.8	50.8	-231.0	-1557.4	-595.6	-1301.5
2	ok 2295	0.09	0.4	3.28e-02	12.7	12.7	7.7	7.7	133.7	92.1	161.7	697.1	3073.8	-1670.7
2	ok 2296	0.09	0.7	2.76e-02	12.7	12.7	7.7	7.7	544.3	93.8	53.7	2075.4	6897.9	-2125.6
2	ok 3000	0.09	0.6	1.05e-02	12.7	12.7	7.7	7.7	443.9	81.0	-104.0	-1540.7	4191.9	-23.1
2	ok 3001	0.09	0.2	1.77e-02	12.7	12.7	7.7	7.7	122.5	92.2	-119.2	-784.5	1366.0	-805.4
2	ok 3002	0.09	0.2	2.75e-02	12.7	12.7	7.7	7.7	-138.4	130.4	-109.4	-3208.0	-1063.0	-406.9
2	ok 3003	0.09	0.2	3.48e-02	12.7	12.7	7.7	7.7	-232.3	127.9	-116.3	-4609.2	-1363.7	-558.0
2	ok 3004	0.09	0.2	4.32e-02	12.7	12.7	7.7	7.7	-287.7	131.7	-140.4	-5310.4	-1398.1	-872.3
2	ok 3005	0.09	0.3	4.75e-02	12.7	12.7	7.7	7.7	-310.2	104.9	-176.8	-5271.5	-1241.8	-1760.3
2	ok 3006	0.09	0.2	4.84e-02	12.7	12.7	7.7	7.7	-293.3	66.9	-198.9	-5696.9	-2026.2	-1000.8
2	ok 3007	0.09	0.2	4.73e-02	12.7	12.7	7.7	7.7	-236.4	59.9	-195.2	-5346.5	-1833.6	-658.6
2	ok 3008	0.09	0.3	4.62e-02	12.7	12.7	7.7	7.7	-121.9	147.5	200.3	-5082.3	-1223.9	1994.9
2	ok 3009	0.09	0.5	4.32e-02	12.7	12.7	7.7	7.7	77.3	163.4	155.5	-5250.7	-2534.1	1984.0
2	ok 3010	0.09	0.6	3.80e-02	12.7	12.7	7.7	7.7	201.6	239.2	136.0	-4287.4	-2556.8	485.3
2	ok 3011	0.10	0.7	6.37e-02	15.6	15.3	9.7	9.4	648.8	135.9	114.4	1353.1	5172.6	-1246.8

M_S	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
2	ok 3506	0.09	0.4	1.45e-02	12.7	12.7	7.7	7.7	475.5	21.5	-139.9	-2488.5	1497.6	325.4
2	ok 3507	0.09	0.2	2.15e-02	12.7	12.7	7.7	7.7	91.5	40.7	-139.6	-2279.7	-409.4	-1401.8
2	ok 3508	0.09	0.3	3.24e-02	12.7	12.7	7.7	7.7	-135.7	-21.0	122.1	-4743.3	-1247.6	-91.4
2	ok 3509	0.09	0.3	3.62e-02	12.7	12.7	7.7	7.7	-198.9	86.8	-108.8	-5422.8	-1533.2	-1220.7
2	ok 3510	0.09	0.4	4.06e-02	12.7	12.7	7.7	7.7	-260.4	82.7	-129.7	-7050.0	-1904.7	-1400.3
2	ok 3511	0.09	0.4	4.55e-02	12.7	12.7	7.7	7.7	-283.7	71.2	-147.5	-7868.3	-2220.2	-1067.6
2	ok 3512	0.09	0.4	4.38e-02	12.7	12.7	7.7	7.7	-257.7	65.0	-179.1	-7029.2	-1980.1	-582.7
2	ok 3513	0.09	0.4	4.25e-02	12.7	12.7	7.7	7.7	-227.4	-52.5	-159.1	-7366.6	-2889.5	-366.7
2	ok 3514	0.09	0.4	4.46e-02	12.7	12.7	7.7	7.7	-183.3	-65.3	-190.3	-7144.3	-2838.2	-374.5
2	ok 3515	0.09	0.9	4.81e-02	13.1	12.7	8.1	7.7	265.9	152.0	107.7	-1.080e+04	-6093.2	2198.1
2	ok 3516	0.09	0.6	4.58e-02	12.7	12.7	7.7	7.7	120.3	64.0	83.4	-8606.2	-4087.0	1494.5
2	ok 3517	0.12	0.9	3.67e-02	27.8	18.3	14.8	13.3	1405.6	112.7	373.2	-7427.0	1830.3	305.6

M_S		x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									-1050.34	-381.47	-336.34	-4.284e+04	-1.175e+04	-8338.90
		0.19	0.99	0.13	49.50	26.03	26.98	21.93	1405.57	334.77	373.24	4.938e+04	2.210e+04	4873.23

M_S	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
3	ok 1	0.09	0.3	1.81e-02	12.7	12.7	7.7	7.7	268.4	-45.1	195.3	-2737.6	2026.9	-1220.0
3	ok 13	0.09	0.7	6.28e-02	12.7	12.7	7.7	7.7	-254.0	161.5	329.7	-621.3	-562.2	-4948.0
3	ok 25	0.09	0.7	5.99e-02	12.7	12.7	7.7	7.7	-312.2	285.0	284.6	2650.2	-603.9	-4170.3
3	ok 37	0.09	0.7	6.06e-02	12.7	12.7	7.7	7.7	-300.2	330.8	293.4	5657.4	212.1	-2247.6
3	ok 49	0.09	0.8	6.23e-02	12.7	13.5	7.7	8.5	-300.8	361.2	315.1	1.002e+04	744.8	-363.3
3	ok 61	0.09	0.8	6.18e-02	12.7	15.8	7.7	10.8	-290.1	390.8	422.9	1.090e+04	1014.3	1474.2
3	ok 73	0.10	0.9	5.84e-02	13.3	18.2	8.2	13.1	-258.8	470.2	447.5	1.097e+04	1073.1	3029.9
3	ok 85	0.11	0.9	4.84e-02	14.5	20.8	10.2	15.8	-203.2	567.6	392.6	9965.9	919.8	4224.8
3	ok 97	0.11	0.9	3.65e-02	16.3	22.5	13.8	19.1	-69.3	864.1	500.6	4486.3	813.1	4915.2
3	ok 109	0.11	0.8	1.61e-02	16.8	22.8	18.3	22.2	32.9	1051.3	390.3	402.1	372.8	4722.5
3	ok 121	0.10	0.7	0.0	13.5	12.8	15.7	17.1	117.1	1116.8	7.6	-3980.7	978.2	1914.1
3	ok 193	0.12	0.9	2.71e-02	12.7	18.5	7.7	24.4	543.3	865.4	228.6	2508.9	1.608e+04	-3803.9
3	ok 205	0.11	0.9	4.38e-02	20.9	13.1	15.9	12.5	-205.2	691.0	401.2	-1320.3	1285.8	-9023.7
3	ok 207	0.10	0.9	5.41e-02	18.8	12.7	13.8	7.7	-297.3	355.5	326.5	-5795.2	-4389.7	-7572.7
3	ok 209	0.10	0.9	5.91e-02	16.6	12.7	11.6	7.7	-293.0	226.5	354.3	-6710.8	-4822.5	-4839.9
3	ok 211	0.09	0.8	6.34e-02	15.0	12.7	10.0	7.7	-249.6	214.5	361.3	-5643.7	-4654.7	-1917.9
3	ok 213	0.09	0.8	6.68e-02	13.3	12.7	8.3	7.7	-245.6	222.9	412.7	-4324.0	-4374.5	1459.5
3	ok 215	0.09	0.5	6.75e-02	12.7	12.7	7.7	7.7	-222.9	194.7	423.5	-3913.1	-4136.0	3941.9
3	ok 217	0.09	0.6	6.57e-02	12.7	12.7	7.7	7.7	-205.6	139.9	449.5	-5527.9	-3520.2	6676.7
3	ok 219	0.09	0.7	6.40e-02	12.7	12.7	7.7	7.7	-116.2	-50.5	410.4	-4723.2	-2393.1	8381.8
3	ok 221	0.09	0.6	0.1	12.7	12.7	7.7	7.7	-139.8	-419.8	348.6	-2519.4	1097.8	8250.9
3	ok 223	0.09	0.4	0.2	12.7	12.7	7.7	7.7	-1066.7	-1083.7	-203.6	948.0	8888.7	-519.9
3	ok 449	0.14	1.0	3.52e-02	14.3	22.3	9.3	31.3	493.9	1303.5	225.2	4736.3	1.565e+04	-1305.0
3	ok 500	0.10	0.9	4.96e-02	15.8	16.8	11.1	14.1	-324.1	214.4	-89.6	-2729.4	6.8	-5207.2
3	ok 553	0.09	0.9	3.96e-02	15.1	12.7	10.7	7.7	-215.5	120.4	207.2	-6994.4	-6040.4	-4217.1
3	ok 592	0.10	0.9	5.08e-02	16.2	12.7	11.1	7.7	-234.1	59.9	277.7	-1.005e+04	-8119.1	-3344.0
3	ok 630	0.09	0.9	5.88e-02	15.5	12.7	10.4	7.7	-242.2	41.0	336.0	-1.126e+04	-8695.1	-1745.5
3	ok 668	0.09	0.9	6.48e-02	13.8	12.7	8.8	7.7	-251.4	29.8	369.3	-1.134e+04	-8697.8	1271.9
3	ok 695	0.09	0.6	6.70e-02	12.7	12.7	7.7	7.7	-258.9	-32.5	353.4	-9528.9	-7946.3	3677.7
3	ok 734	0.09	0.5	6.36e-02	12.7	12.7	7.7	7.7	-254.1	-169.0	278.8	-7928.2	-6992.1	5406.8
3	ok 773	0.09	0.5	0.1	12.7	12.7	7.7	7.7	-231.6	-577.0	-112.9	-4304.5	-2559.1	3006.0
3	ok 812	0.09	0.3	0.3	12.7	12.7	7.7	7.7	-299.0	-1440.5	-920.0	265.1	4371.4	1538.6
3	ok 851	0.09	0.6	0.5	12.7	12.7	7.7	7.7	-2507.3	-2117.1	-1934.0	4383.4	1.727e+04	842.3
3	ok 1244	0.09	0.9	0.1	12.7	15.8	7.7	12.5	337.4	84.3	49.9	3052.0	1.005e+04	448.2
3	ok 1256	0.09	0.8	7.74e-02	12.7	13.7	7.7	8.8	-40.0	-411.6	320.1	-4466.2	-3142.3	-2671.1
3	ok 1258	0.09	0.8	5.69e-02	12.7	12.7	7.7	7.7	-40.8	-86.4	248.9	-7654.9	-6408.4	-2123.2
3	ok 1260	0.09	0.9	5.16e-02	14.1	12.7	9.1	7.7	-99.9	-53.6	286.3	-1.024e+04	-9435.9	-1914.7
3	ok 1262	0.09	0.9	5.68e-02	14.6	12.7	9.5	7.7	-148.7	-75.4	315.1	-1.196e+04	-1.080e+04	-1097.5
3	ok 1264	0.09	0.9	6.40e-02	13.0	12.7	7.9	7.7	-237.5	-116.0	307.6	-1.035e+04	-1.122e+04	611.3
3	ok 1266	0.09	0.7	6.66e-02	12.7	12.7	7.7	7.7	-303.4	-176.1	264.9	-8966.0	-1.032e+04	2355.2
3	ok 1268	0.09	0.5	7.48e-02	12.7	12.7	7.7	7.7	-410.4	-254.6	144.6	-6739.7	-8909.3	3514.2
3	ok 1270	0.09	0.4	0.1	12.7	12.7	7.7	7.7	-628.7	-415.1	-351.6	-3235.5	-2431.6	935.5
3	ok 1272	0.09	0.8	0.3	12.7	14.8	7.7	9.8	-1261.2	-404.2	-816.0	1332.9	6155.0	684.0
3	ok 1274	0.11	0.9	0.2	12.8	19.2	7.8	23.3	-1480.1	-30.3	-858.6	4309.6	1.524e+04	-359.0
3	ok 1467	0.09	0.7	5.95e-02	12.7	12.7	7.7	7.7	290.7	53.5	120.9	1107.5	7546.2	398.0
3	ok 1479	0.09	0.4	5.16e-02	12.7	12.7	7.7	7.7	-20.5	-44.7	315.2	-3504.4	-2295.2	99.3
3	ok 1481	0.09	0.6	5.21e-02	12.7	12.7	7.7	7.7	-40.4	-144.0	274.7	-6148.5	-5908.7	-720.5
3	ok 1483	0.09	0.8	5.37e-02	12.7	12.7	7.7	7.7	-71.5	-142.7	270.7	-8332.3	-9311.6	-1030.9
3	ok 1485	0.09	0.9	5.76e-02	12.8	12.7	7.7	7.7	-124.6	-184.6	274.9	-9750.4	-1.124e+04	-1132.0
3	ok 1487	0.09	0.8	6.34e-02	12.7	12.7	7.7	7.7	-207.8	-210.9	268.1	-7672.6	-1.199e+04	-924.4
3	ok 1489	0.09	0.7	6.99e-02	12.7	12.7	7.7	7.7	-367.8	-266.3	222.5	-5902.6	-1.144e+04	-87.1
3	ok 1491	0.09	0.6	8.56e-02	12.7	12.7	7.7	7.7	-564.2	-312.7	-122.1	-2700.3	-4045.8	-368.3
3	ok 1493	0.09	0.5	0.1	12.7	12.7	7.7	7.7	-996.9	-173.1	-356.0	530.3	-519.1	-227.9
3	ok 1495	0.09	0.9	0.2	12.7	14.2	7.7	9.2	-1422.0	38.0	-628.0	3385.8	8303.0	-392.5

M_S	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
3	ok 1497	0.11	0.9	0.2	12.7	21.5	7.7	19.0	-1543.4	149.5	-812.2	5932.1	1.912e+04	-235.5
3	ok 1690	0.09	0.8	3.62e-02	12.7	12.7	7.7	7.7	253.2	46.9	-88.3	796.1	5356.4	224.1
3	ok 1702	0.09	0.4	4.24e-02	12.7	12.7	7.7	7.7	208.8	6.3	-73.8	-216.3	2640.6	1356.6
3	ok 1704	0.09	0.4	4.28e-02	12.7	12.7	7.7	7.7	-42.2	-120.4	240.4	-3853.1	-4884.9	339.2
3	ok 1706	0.09	0.6	4.73e-02	12.7	12.7	7.7	7.7	-64.7	-177.4	224.3	-5574.2	-8190.0	-477.8
3	ok 1708	0.09	0.7	5.43e-02	12.7	12.7	7.7	7.7	-113.0	-223.3	218.6	-6578.4	-1.029e+04	-1369.2
3	ok 1710	0.09	0.8	6.19e-02	12.7	12.7	7.7	7.7	-202.3	-280.8	217.5	-6850.4	-1.150e+04	-2305.4
3	ok 1712	0.09	0.7	7.19e-02	12.7	12.7	7.7	7.7	-346.7	-316.0	209.8	-3239.7	-1.167e+04	-3079.6
3	ok 1714	0.09	0.7	9.13e-02	12.7	12.7	7.7	7.7	-677.1	-329.1	103.0	1501.7	-1.033e+04	-3085.8
3	ok 1716	0.09	0.5	0.1	12.7	12.7	7.7	7.7	-1131.7	-254.7	-157.0	1784.9	-454.5	-2235.3
3	NV 1718	0.09	0.9	0.2	12.7	13.1	7.7	9.3	-1700.7	113.2	-360.4	6115.1	8715.1	-755.9
3	NV 1720	0.11	1.0	0.3	12.7	19.6	7.7	22.8	-1852.3	172.8	-694.8	1.298e+04	2.084e+04	840.0
3	ok 1961	0.09	0.9	2.09e-02	12.7	13.4	7.7	8.7	270.6	157.4	189.1	1253.1	6257.2	1261.3
3	ok 1973	0.09	0.5	2.95e-02	12.7	12.7	7.7	7.7	1.2	61.2	166.7	443.5	3031.9	2272.6
3	ok 1975	0.09	0.3	3.37e-02	12.7	12.7	7.7	7.7	-51.3	-86.8	179.5	-1673.2	-3512.0	984.0
3	ok 1977	0.09	0.4	3.72e-02	12.7	12.7	7.7	7.7	-81.3	-163.5	159.2	-2978.7	-6434.2	8.3
3	ok 1979	0.09	0.5	4.73e-02	12.7	12.7	7.7	7.7	-102.9	-243.6	138.1	-4437.7	-8350.7	-1434.1
3	ok 1981	0.09	0.6	5.86e-02	12.7	12.7	7.7	7.7	-176.5	-327.0	147.8	-4773.0	-9515.6	-3329.6
3	ok 1983	0.09	0.7	7.15e-02	12.7	12.7	7.7	7.7	-316.7	-386.5	182.1	-4179.2	-1.067e+04	-5594.2
3	ok 1985	0.09	0.8	9.72e-02	12.7	12.7	7.7	7.7	-649.8	-421.1	168.0	-1129.4	-9747.1	-7594.5
3	ok 1987	0.09	0.9	0.2	12.7	12.7	7.7	7.7	-1133.3	-300.6	179.8	4314.0	-1.166e+04	-8283.6
3	NV 1989	0.09	0.7	0.3	12.7	12.7	7.7	7.7	-1471.5	-244.8	88.2	1.941e+04	2682.5	-9800.2
3	NV 1991	0.10	0.9	0.5	12.7	16.6	7.7	13.4	-2593.6	37.7	-696.3	1084.5	6118.9	-2489.2
3	ok 2285	0.09	0.7	2.66e-02	12.7	12.7	7.7	7.7	260.9	74.0	73.2	1239.5	7045.5	1476.0
3	ok 2297	0.09	0.4	1.86e-02	12.7	12.7	7.7	7.7	-8.6	39.2	135.7	709.6	2543.0	2177.5
3	ok 2299	0.09	0.3	2.88e-02	12.7	12.7	7.7	7.7	71.1	-87.1	-142.4	-1046.8	-614.1	1378.9
3	ok 2301	0.09	0.3	4.36e-02	12.7	12.7	7.7	7.7	2.3	-133.5	-240.0	-923.6	-1028.9	1837.1
3	ok 2303	0.09	0.4	5.73e-02	12.7	12.7	7.7	7.7	-44.5	-211.7	-284.1	-714.1	-1117.7	1442.0
3	ok 2305	0.09	0.5	6.83e-02	12.7	12.7	7.7	7.7	-107.9	-353.4	-244.8	-1849.8	-2699.0	-747.9
3	ok 2307	0.09	0.6	7.73e-02	12.7	12.7	7.7	7.7	-302.7	-484.9	42.3	-2720.9	-6314.7	-6093.8
3	ok 2309	0.09	0.9	9.46e-02	12.7	12.7	7.7	7.7	-529.3	-556.4	168.2	-7578.4	-8791.1	-9765.1
3	ok 2311	0.10	1.0	0.2	16.4	12.7	11.4	7.7	-1074.0	-544.3	269.5	-1.017e+04	-8101.6	-1.323e+04
3	ok 2313	0.09	1.0	0.3	13.2	12.7	8.1	7.7	-2119.9	-250.9	190.8	-6690.3	-5703.7	-1.846e+04
3	ok 2315	0.10	1.0	0.4	15.8	13.1	10.8	8.1	-2822.9	48.7	78.2	-6365.6	-978.3	-1951.0
3	ok 3000	0.09	0.4	1.36e-02	12.7	12.7	7.7	7.7	360.6	59.4	-119.7	172.7	3128.6	360.5
3	ok 3012	0.09	0.4	2.50e-02	12.7	12.7	7.7	7.7	134.8	17.9	-120.1	-306.9	1028.2	2378.3
3	ok 3014	0.09	0.5	3.52e-02	12.7	12.7	7.7	7.7	-3.9	-90.1	-220.5	-3139.2	-610.8	3263.5
3	ok 3016	0.09	0.5	5.20e-02	12.7	12.7	7.7	7.7	-56.0	-72.1	-309.1	2110.6	-722.8	3081.0
3	ok 3018	0.09	0.3	6.74e-02	12.7	12.7	7.7	7.7	-131.4	-245.6	-276.3	-4845.2	-1561.7	162.6
3	ok 3020	0.09	0.3	6.60e-02	12.7	12.7	7.7	7.7	-108.9	-311.6	-246.9	-2357.6	-1471.2	-103.4
3	ok 3022	0.09	0.5	7.45e-02	12.7	12.7	7.7	7.7	-203.1	-400.5	-76.7	-4610.8	-3100.3	-5298.9
3	ok 3024	0.09	0.6	8.78e-02	12.7	12.7	7.7	7.7	-350.5	-624.7	120.7	-6625.0	-2722.4	-8210.8
3	ok 3026	0.09	1.0	0.2	13.7	12.7	8.6	7.7	-851.3	-716.8	328.6	-1.250e+04	-4643.0	-1.504e+04
3	ok 3028	0.13	1.0	0.4	31.6	18.1	26.6	13.1	-2140.5	-678.3	718.5	-1.352e+04	-6192.0	-1.540e+04
3	ok 3030	0.11	0.9	0.4	16.7	23.1	17.3	22.9	-2858.2	1075.2	-559.4	-1.602e+04	-658.8	-2868.3
3	ok 3506	0.09	0.2	2.26e-02	12.7	12.7	7.7	7.7	367.7	42.2	-139.1	-323.0	825.2	95.1
3	ok 3530	0.09	0.2	3.57e-02	12.7	12.7	7.7	7.7	82.0	-8.7	-158.9	-893.8	103.4	1776.6
3	ok 3554	0.09	0.4	4.44e-02	12.7	12.7	7.7	7.7	28.2	-71.9	-237.4	4562.0	1354.0	934.4
3	ok 3578	0.09	0.9	7.77e-02	12.7	12.7	7.7	7.7	-300.8	-239.5	-111.3	-1.418e+04	-3702.1	7818.5
3	ok 3602	0.09	0.3	5.99e-02	12.7	12.7	7.7	7.7	-48.4	-119.3	-254.6	4781.6	11.7	1445.4
3	ok 3626	0.09	0.2	6.50e-02	12.7	12.7	7.7	7.7	-126.1	-114.3	-335.7	-761.8	-587.1	162.7
3	ok 3650	0.09	0.3	7.15e-02	12.7	12.7	7.7	7.7	-163.5	-172.7	-322.6	-1337.5	-764.0	63.9
3	ok 3674	0.09	0.4	7.79e-02	12.7	12.7	7.7	7.7	-187.8	-370.9	-93.9	-8065.2	-1317.1	-4554.0
3	ok 3698	0.10	0.9	9.84e-02	12.7	17.6	7.7	12.5	-469.2	-643.5	85.8	-1.659e+04	-2752.7	-2710.2
3	ok 3722	0.20	1.0	0.3	62.1	24.1	25.1	8.3	-1728.3	-1449.7	617.9	-3.129e+04	-6263.6	1.318e+04
3	ok 3746	0.18	0.5	0.8	33.9	63.9	28.9	54.3	-7010.2	-2357.2	2646.8	-1.882e+04	-508.6	4169.2

M_S	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
								-7010.22	-2357.23	-1934.04	-3.129e+04	-1.199e+04	-1.846e+04
	0.20	0.99	0.79	62.05	63.89	28.90	54.31	543.32	1303.45	2646.80	1.941e+04	2.084e+04	1.318e+04

M_S	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
4	ok 12	0.09	0.2	2.12e-02	12.7	12.7	7.7	7.7	276.7	-40.3	232.0	63.0	-1708.7	848.1
4	ok 24	0.09	0.6	6.57e-02	12.7	12.7	7.7	7.7	-198.7	40.5	417.4	-370.2	-333.1	4526.4
4	ok 36	0.09	0.7	5.93e-02	12.7	12.7	7.7	7.7	-247.2	264.3	395.9	-5829.0	-468.0	3348.3
4	ok 48	0.09	0.8	5.67e-02	12.9	12.7	7.9	7.7	-222.7	348.2	352.5	-9293.9	-1226.0	2192.6
4	ok 60	0.09	0.8	5.70e-02	15.3	12.7	10.2	7.7	-224.1	400.1	401.6	-1.138e+04	-1676.4	460.0
4	ok 72	0.10	0.9	5.64e-02	17.6	12.7	12.6	7.7	-220.2	469.8	420.8	-1.222e+04	-1882.4	-962.5
4	ok 84	0.10	0.9	5.34e-02	19.9	13.8	14.8	8.8	-197.8	571.4	464.8	-1.138e+04	-1733.8	-2347.1
4	ok 96	0.11	0.9	4.53e-02	22.5	15.2	17.4	10.7	-126.4	723.1	501.8	-9953.1	-1472.6	-3524.1
4	ok 108	0.11	0.9	3.34e-02	24.8	16.1	21.1	14.6	-39.4	844.8	461.3	-6952.0	-998.6	-4243.9
4	ok 120	0.11	0.9	1.48e-02	23.5	16.8	24.3	20.2	82.2	1134.5	455.1	-2011.1	-458.1	-4048.5

M_S	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
4	ok 132	0.10	0.7	6.75e-03	13.2	13.0	18.8	17.3	79.9	1222.4	62.5	3817.1	-906.6	-1439.8
4	ok 204	0.11	0.9	2.38e-02	23.7	17.6	24.3	11.6	846.5	875.3	331.9	2208.8	-1.369e+04	523.7
4	ok 206	0.11	0.9	5.44e-02	12.7	22.0	11.6	16.9	-212.4	767.4	362.2	2174.0	-413.8	7188.6
4	ok 208	0.10	0.9	5.45e-02	12.7	19.8	7.7	14.8	-225.2	452.1	417.5	2888.0	3160.3	6946.7
4	ok 210	0.10	0.9	5.69e-02	12.7	17.2	7.7	12.2	-224.0	226.6	390.4	3637.9	3891.8	4379.6
4	ok 212	0.09	0.8	6.29e-02	12.7	14.9	7.7	9.9	-186.7	268.7	362.0	3736.9	3985.6	1958.3
4	ok 214	0.09	0.8	6.52e-02	12.7	13.3	7.7	8.3	-170.2	218.0	458.8	3226.0	3751.9	-1108.1
4	ok 216	0.09	0.5	6.68e-02	12.7	12.7	7.7	7.7	-215.2	197.1	430.2	3245.4	3602.0	-3834.0
4	ok 218	0.09	0.7	6.65e-02	12.7	12.7	7.7	7.7	-172.7	103.1	441.6	3105.3	3175.6	-6416.8
4	ok 220	0.09	0.8	7.29e-02	12.7	12.7	7.7	7.7	-97.0	-69.1	457.4	2612.3	2237.3	-7867.9
4	ok 222	0.09	0.6	0.1	12.7	12.7	7.7	7.7	-138.3	-500.1	400.9	1278.6	-1002.6	-7664.8
4	ok 234	0.09	0.4	0.2	12.7	12.7	7.7	7.7	-1073.9	-1081.5	-207.0	-962.1	-9069.4	630.9
4	ok 460	0.14	0.9	0.1	23.1	32.3	38.0	24.2	980.3	1736.7	521.6	4616.5	-1.264e+04	4669.9
4	ok 501	0.10	0.9	7.33e-02	15.9	14.0	16.7	14.0	-525.2	255.8	-47.9	-3587.1	-924.2	5812.5
4	ok 554	0.09	0.9	4.55e-02	12.7	15.7	7.7	11.3	-177.0	280.4	221.3	6596.8	4905.1	4472.6
4	ok 593	0.10	0.9	5.22e-02	12.7	16.5	7.7	11.5	-120.0	215.7	270.9	9380.2	6878.8	3391.9
4	ok 631	0.09	0.9	6.01e-02	12.7	15.7	7.7	10.7	-185.1	134.2	335.8	9498.2	7715.0	1756.6
4	ok 669	0.09	0.8	6.63e-02	12.7	14.1	7.7	9.0	-183.3	7.2	418.2	9604.3	7871.5	-993.2
4	ok 696	0.09	0.6	6.90e-02	12.7	12.7	7.7	7.7	-197.3	-68.5	397.1	8874.4	7261.5	-3258.9
4	ok 735	0.09	0.5	6.81e-02	12.7	12.7	7.7	7.7	-210.7	-200.8	318.3	7270.7	6441.2	-4909.5
4	ok 774	0.09	0.4	0.1	12.7	12.7	7.7	7.7	-215.6	-543.0	-104.3	4480.6	2650.9	-2622.4
4	ok 813	0.09	0.3	0.3	12.7	12.7	7.7	7.7	-600.5	-1128.9	-741.7	-46.6	-3983.2	-1747.0
4	ok 862	0.09	0.8	0.5	13.4	12.7	8.4	7.7	-2497.6	-2121.5	-1913.4	-4215.4	-1.651e+04	-1787.6
4	ok 1255	0.09	0.9	0.1	14.2	15.0	13.1	8.7	458.0	59.0	34.0	1592.2	-8182.0	-1098.4
4	ok 1257	0.09	0.8	9.06e-02	13.7	12.7	8.7	7.7	143.3	301.6	-144.0	-1240.3	-4933.9	861.4
4	ok 1259	0.09	0.8	6.94e-02	12.7	12.7	7.7	7.7	-60.3	-5.2	183.9	5710.8	5329.3	2016.0
4	ok 1261	0.09	0.9	6.04e-02	12.7	14.7	7.7	9.7	-31.6	-76.9	347.4	1.015e+04	8653.9	2016.8
4	ok 1263	0.09	0.9	6.13e-02	12.7	14.6	7.7	9.6	-87.0	-96.2	366.0	9845.9	1.008e+04	1165.1
4	ok 1265	0.09	0.9	6.76e-02	12.7	13.1	7.7	8.1	-176.0	-145.1	354.3	1.002e+04	1.030e+04	-456.5
4	ok 1267	0.09	0.6	7.04e-02	12.7	12.7	7.7	7.7	-249.9	-216.9	294.8	8758.1	9576.0	-2126.8
4	ok 1269	0.09	0.5	7.25e-02	12.7	12.7	7.7	7.7	-379.0	-294.3	171.0	6714.4	8319.8	-3192.5
4	ok 1271	0.09	0.4	0.1	12.7	12.7	7.7	7.7	-557.8	-428.9	-365.6	1998.2	965.2	-1761.5
4	ok 1273	0.10	0.8	0.3	16.0	12.7	11.0	7.7	-1262.0	-109.4	-850.5	-1093.4	-6435.7	-1110.8
4	ok 1285	0.11	0.9	0.2	20.1	12.7	23.6	7.7	-1548.0	-63.8	-774.6	-4843.4	-1.687e+04	-2129.5
4	ok 1478	0.09	0.8	6.41e-02	12.7	12.7	7.7	7.7	-249.4	-43.9	305.7	1196.9	-7428.6	486.5
4	ok 1480	0.09	0.3	6.30e-02	12.7	12.7	7.7	7.7	114.2	-36.1	257.9	1013.3	-1214.8	-1947.1
4	ok 1482	0.09	0.6	5.92e-02	12.7	12.7	7.7	7.7	-15.1	-125.3	383.9	4117.8	3504.3	-412.2
4	ok 1484	0.09	0.9	6.20e-02	12.7	12.8	7.7	7.8	-18.8	-155.4	333.0	8236.5	8680.6	852.4
4	ok 1486	0.09	0.9	6.30e-02	12.7	13.1	7.7	8.1	-85.5	-196.2	322.3	9938.1	1.056e+04	1065.5
4	ok 1488	0.09	0.8	6.89e-02	12.7	12.7	7.7	7.7	-173.3	-231.3	295.0	7854.4	1.134e+04	860.0
4	ok 1490	0.09	0.7	7.20e-02	12.7	12.7	7.7	7.7	-323.8	-282.1	255.2	5745.8	1.069e+04	752.2
4	ok 1492	0.09	0.5	8.53e-02	12.7	12.7	7.7	7.7	-543.7	-306.9	-137.5	2168.0	5011.3	23.5
4	ok 1494	0.09	0.6	0.1	12.7	12.7	7.7	7.7	-983.2	-166.9	-366.2	-2852.1	-830.3	-820.2
4	ok 1496	0.09	0.9	0.2	14.2	12.7	9.2	7.7	-1415.0	-63.8	-545.7	-5502.2	-7166.6	-1516.4
4	ok 1508	0.11	0.9	0.2	22.2	12.7	18.6	7.7	-1533.9	142.8	-831.3	-5521.9	-1.837e+04	537.6
4	ok 1701	0.09	0.7	3.04e-02	12.7	12.7	7.7	7.7	207.6	36.4	245.0	-771.6	-4654.1	-1454.9
4	ok 1703	0.09	0.3	4.76e-02	12.7	12.7	7.7	7.7	123.7	9.1	210.5	244.0	-735.5	-2573.1
4	ok 1705	0.09	0.4	5.00e-02	12.7	12.7	7.7	7.7	60.4	-107.1	303.5	3730.8	4214.1	-445.5
4	ok 1707	0.09	0.6	5.57e-02	12.7	12.7	7.7	7.7	-27.9	-153.2	289.6	5501.5	7537.8	3.2
4	ok 1709	0.09	0.7	5.74e-02	12.7	12.7	7.7	7.7	-92.4	-215.0	264.3	6890.4	9580.9	889.6
4	ok 1711	0.09	0.8	6.47e-02	12.7	12.7	7.7	7.7	-197.8	-280.6	233.6	7173.4	1.089e+04	2018.5
4	ok 1713	0.09	0.7	7.45e-02	12.7	12.7	7.7	7.7	-361.8	-324.0	207.2	4206.1	1.110e+04	2788.7
4	ok 1715	0.09	0.6	9.30e-02	12.7	12.7	7.7	7.7	-706.5	-340.6	68.9	-482.5	1.045e+04	2916.4
4	ok 1717	0.09	0.5	0.2	12.7	12.7	7.7	7.7	-1116.9	-256.0	-178.4	-3307.5	1656.4	2791.5
4	NV 1719	0.09	1.0	0.2	13.3	14.1	9.0	9.1	-1707.2	57.9	-246.5	-1.142e+04	-9364.5	-4714.5
4	NV 1731	0.11	1.0	0.3	20.3	12.7	22.1	7.7	-1780.7	210.3	-705.5	-1.394e+04	-2.343e+04	-103.0
4	ok 1972	0.09	0.8	2.09e-02	12.7	12.7	7.7	7.7	281.6	52.1	207.6	-1138.8	-6575.3	-1262.3
4	ok 1974	0.09	0.5	3.15e-02	12.7	12.7	7.7	7.7	196.5	18.0	247.9	-243.0	-2854.4	-2198.1
4	ok 1976	0.09	0.2	3.99e-02	12.7	12.7	7.7	7.7	48.9	-21.7	244.8	1648.1	2250.2	-1417.0
4	ok 1978	0.09	0.5	4.57e-02	12.7	12.7	7.7	7.7	-49.7	-39.5	229.9	3056.3	5979.9	-438.8
4	ok 1980	0.09	0.5	4.80e-02	12.7	12.7	7.7	7.7	-118.4	-198.9	162.9	4440.6	7575.2	862.3
4	ok 1982	0.09	0.6	5.80e-02	12.7	12.7	7.7	7.7	-198.7	-300.9	144.8	4875.7	8644.7	2594.6
4	ok 1984	0.09	0.7	7.15e-02	12.7	12.7	7.7	7.7	-345.9	-378.2	163.9	4681.2	1.013e+04	4993.1
4	ok 1986	0.09	0.7	9.89e-02	12.7	12.7	7.7	7.7	-682.3	-426.6	128.3	2041.4	9821.2	7346.0
4	ok 1988	0.09	0.9	0.2	12.7	12.7	7.7	7.7	-1195.6	-290.4	143.1	-2886.8	1.197e+04	8099.5
4	NV 1990	0.09	0.9	0.3	12.7	12.7	7.7	7.7	-2005.2	-286.3	37.5	-1.491e+04	6578.3	1.060e+04
4	NV 2002	0.10	1.0	0.5	16.0	17.0	12.5	11.1	-2537.2	33.1	-765.3	9717.9	-2810.3	4521.7
4	ok 2296	0.09	0.8	2.23e-02	13.2	12.7	8.2	7.7	545.4	72.4	127.5	-1370.9	-6889.5	-1167.9
4	ok 2298	0.09	0.7	3.12e-02	12.7	12.7	7.7	7.7	337.4	42.8	197.7	-184.9	-3196.1	-2737.0
4	ok 2300	0.09	0.3	3.82e-02	12.7	12.7	7.7	7.7	-21.7	101.0	278.1	687.7	780.6	-2165.5
4	ok 2302	0.09	0.4	4.79e-02	12.7	12.7	7.7	7.7	-136.0	55.1	220.6	1355.7	1762.6	-1642.9
4	ok 2304	0.09	0.4	6.11e-02	12.7	12.7	7.7	7.7	-59.3	-242.6	-306.8	1575.8	1856.7	-1168.9
4	ok 2306	0.09	0.4	7.07e-02	12.7	12.7	7.7	7.7	-101.7	-343.5	-258.3	3148.3	3534.4	1244.9
4	ok 2308	0.09	0.5	7.60e-02	12.7	12.7	7.7	7.7	-328.6	-471.7	-3.7	2964.9	6224.5	5676.8

M_S	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
4	ok 2310	0.09	0.8	9.32e-02	12.7	12.7	7.7	7.7	-561.3	-556.4	115.0	8037.8	8896.6	9313.7
4	ok 2312	0.09	1.0	0.2	12.7	14.9	7.7	9.9	-1133.9	-557.3	207.8	1.110e+04	8165.7	1.261e+04
4	ok 2314	0.09	0.9	0.3	12.7	12.7	7.7	7.7	-2241.3	-244.7	157.8	8060.0	5723.0	1.760e+04
4	ok 2316	0.10	1.0	0.4	14.7	16.5	9.7	11.5	-3058.6	3.5	58.8	1.956e+04	7858.0	1.771e+04
4	ok 3011	0.10	0.8	6.97e-02	16.8	15.5	10.4	7.9	691.5	207.4	110.2	-1152.9	-6644.5	-1781.5
4	ok 3013	0.10	0.9	3.94e-02	16.8	12.7	11.8	7.7	343.2	242.5	382.9	348.1	-3210.7	-3959.3
4	ok 3015	0.09	0.4	4.67e-02	12.7	12.7	7.7	7.7	-138.6	173.8	235.7	3166.8	1300.7	-3914.4
4	ok 3017	0.09	0.6	5.97e-02	12.7	12.7	7.7	7.7	-228.8	175.2	86.9	636.1	2329.8	-3589.3
4	ok 3019	0.09	0.3	7.44e-02	12.7	12.7	7.7	7.7	-76.8	-267.4	-391.2	3513.4	902.8	-378.6
4	ok 3021	0.09	0.3	7.24e-02	12.7	12.7	7.7	7.7	-76.3	-268.8	-338.3	3340.1	2068.5	972.6
4	ok 3023	0.09	0.4	7.91e-02	12.7	12.7	7.7	7.7	-238.2	-370.6	-50.2	4286.8	3045.8	4771.8
4	ok 3025	0.09	0.5	8.84e-02	12.7	12.7	7.7	7.7	-429.8	-550.7	-2.1	6476.1	2270.2	7255.9
4	ok 3027	0.09	0.9	0.2	12.7	12.7	7.7	7.7	-891.9	-875.6	400.8	1.934e+04	6662.5	8643.1
4	ok 3029	0.12	1.0	0.4	23.2	27.9	18.1	22.8	-1764.1	-662.6	531.2	5.089e+04	1.255e+04	1.545e+04
4	ok 3031	0.11	0.9	0.4	22.5	17.1	22.4	15.1	-3424.0	-133.9	231.2	2.452e+04	1952.3	1.229e+04
4	ok 3517	0.12	0.5	3.55e-02	27.9	31.4	23.9	21.2	1616.6	1073.3	433.1	2488.3	-3528.9	788.9
4	ok 3541	0.10	0.9	6.82e-02	15.8	13.4	13.2	9.9	14.6	691.0	186.6	724.0	-1408.8	-2075.3
4	ok 3565	0.09	0.4	6.06e-02	12.7	12.7	7.7	7.7	123.0	-114.3	-342.7	-3397.6	-1457.0	-1023.8
4	ok 3589	0.09	0.8	0.1	12.7	12.7	7.7	7.7	-303.9	-338.2	-190.5	1.129e+04	1750.3	-5964.7
4	ok 3613	0.09	0.4	5.75e-02	12.7	12.7	7.7	7.7	57.3	-153.6	-347.5	-3498.5	572.1	-1272.7
4	ok 3637	0.09	0.2	6.11e-02	12.7	12.7	7.7	7.7	-79.4	-25.2	-404.2	2377.7	949.0	743.2
4	ok 3661	0.09	0.3	6.76e-02	12.7	12.7	7.7	7.7	-125.2	-71.3	-392.2	3177.8	1077.9	1090.3
4	ok 3685	0.09	0.4	7.44e-02	12.7	12.7	7.7	7.7	-221.9	-314.6	-149.4	6678.5	1324.3	3874.0
4	ok 3709	0.10	0.9	9.05e-02	18.1	12.7	13.1	7.7	-537.7	-575.4	25.0	1.372e+04	2365.8	2289.0
4	ok 3733	0.16	1.0	0.3	31.1	51.4	10.0	21.0	-328.2	-1434.2	262.2	6.911e+04	1.016e+04	1.134e+04
4	ok 3757	0.18	0.5	0.8	58.8	27.3	48.5	22.3	-6859.5	-2296.3	2255.5	5.716e+04	6972.1	4503.1

M_S		x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									-6859.46	-2296.33	-1913.40	-1.491e+04	-2.343e+04	-7867.93
		0.18	0.99	0.78	58.85	51.41	48.48	24.16	1616.58	1736.73	2255.51	6.911e+04	1.255e+04	1.771e+04

M_S	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
5	ok 121	0.09	0.2	4.10e-02	12.7	12.7	7.7	7.7	-202.7	-144.6	143.4	-4566.3	-43.1	478.1
5	ok 122	0.09	0.7	0.1	12.7	12.7	7.7	7.7	-805.4	-164.1	426.0	-1.187e+04	-2627.7	-857.7
5	ok 123	0.09	0.9	0.2	14.9	12.7	9.9	7.7	-920.8	-245.2	430.1	-2.069e+04	-4252.4	-832.7
5	ok 124	0.09	1.0	0.1	15.3	12.7	10.3	7.7	-813.4	-267.0	444.6	-2.993e+04	-6179.5	74.0
5	ok 125	0.09	1.0	0.1	14.6	12.7	9.6	7.7	-835.4	-325.1	292.1	-3.386e+04	-7004.7	216.4
5	ok 126	0.09	1.0	0.1	13.3	12.7	8.3	7.7	-845.7	-352.7	262.7	-3.554e+04	-7349.5	273.7
5	ok 127	0.09	1.0	0.1	13.5	12.7	8.5	7.7	-829.8	-346.9	-306.9	-3.474e+04	-7165.2	51.9
5	ok 128	0.09	1.0	0.1	15.4	12.7	10.4	7.7	-792.1	-314.0	-334.9	-3.353e+04	-6930.6	189.1
5	ok 129	0.10	1.0	0.1	16.2	12.7	11.2	7.7	-888.6	-276.8	-510.6	-2.843e+04	-5835.8	504.0
5	ok 130	0.09	0.9	0.2	15.6	12.7	10.5	7.7	-875.9	-227.6	-471.2	-2.176e+04	-4467.5	569.2
5	ok 131	0.09	0.8	0.1	12.8	12.7	7.7	7.7	-771.4	-151.7	-453.4	-1.253e+04	-2720.3	588.4
5	ok 132	0.09	0.2	4.34e-02	12.7	12.7	7.7	7.7	-205.7	-141.1	-161.4	-4732.7	-27.5	-544.5
5	ok 223	0.09	0.9	0.1	13.8	12.7	9.8	7.7	-675.3	164.6	207.4	-5367.0	-6427.7	-2011.9
5	ok 224	0.09	0.8	0.2	15.8	12.7	10.8	7.7	-933.2	83.4	543.7	-6724.0	-1886.6	-6326.2
5	ok 225	0.09	0.8	0.1	14.9	12.7	9.9	7.7	-853.1	-72.2	554.1	-7837.8	-980.2	-5650.3
5	ok 226	0.09	0.8	0.1	13.5	12.7	8.5	7.7	-695.8	-126.7	569.6	-1.205e+04	-1780.0	-2852.4
5	ok 227	0.09	0.6	0.1	12.7	12.7	7.7	7.7	-689.7	-139.1	364.8	-1.360e+04	-2058.3	-1583.4
5	ok 228	0.09	0.4	9.90e-02	12.7	12.7	7.7	7.7	-692.9	-147.1	180.1	-1.430e+04	-2235.9	-129.3
5	ok 229	0.09	0.4	9.89e-02	12.7	12.7	7.7	7.7	-726.1	-155.7	13.2	-1.404e+04	-2207.9	1339.7
5	ok 230	0.09	0.6	0.1	12.7	12.7	7.7	7.7	-653.3	-132.0	-408.4	-1.317e+04	-1847.6	1989.3
5	ok 231	0.09	0.8	0.1	13.5	12.7	8.5	7.7	-774.1	-140.1	-472.7	-1.081e+04	-1553.7	4181.7
5	ok 232	0.09	0.8	0.1	15.3	12.7	10.3	7.7	-823.5	-95.6	-618.8	-8734.7	-1210.8	5303.8
5	ok 233	0.10	0.9	0.2	16.0	12.7	11.0	7.7	-904.1	84.5	-553.4	-7066.4	-2292.7	6237.6
5	ok 234	0.09	0.9	0.1	14.1	12.7	9.6	7.7	-866.5	143.8	-290.2	-7802.0	-7933.9	2778.7
5	ok 851	0.09	1.0	0.3	15.8	12.7	16.6	7.7	-1619.5	227.9	423.8	-1.587e+04	-1.383e+04	918.5
5	ok 852	0.09	0.8	0.2	14.4	12.7	9.4	7.7	-943.5	-29.4	696.1	-5393.7	-3252.6	-3671.2
5	ok 853	0.09	0.8	0.1	13.2	12.7	8.2	7.7	-705.3	-24.0	631.5	-1782.4	1169.7	-5265.8
5	ok 854	0.09	0.4	0.1	12.7	12.7	7.7	7.7	-521.3	3.2	557.8	-1801.1	2068.5	-3998.3
5	ok 855	0.09	0.4	9.32e-02	12.7	12.7	7.7	7.7	-488.3	34.9	384.3	-1754.5	2225.2	-2420.4
5	ok 856	0.09	0.5	7.66e-02	12.7	12.7	7.7	7.7	-405.0	82.2	-262.3	664.6	1833.8	-3372.6
5	ok 857	0.09	0.6	7.70e-02	12.7	12.7	7.7	7.7	-338.9	80.6	-417.0	502.4	2132.3	-2066.0
5	ok 858	0.09	0.7	9.44e-02	12.7	12.7	7.7	7.7	-466.9	39.2	-428.2	-1531.8	2458.3	2197.4
5	ok 859	0.09	0.7	0.1	12.7	12.7	7.7	7.7	-487.7	10.3	-585.8	-1546.2	2341.2	3844.1
5	ok 860	0.09	0.8	0.1	13.5	12.7	8.5	7.7	-689.6	-26.9	-654.6	-1956.1	883.0	5134.2
5	ok 861	0.09	0.8	0.2	15.0	12.7	10.0	7.7	-931.5	-33.2	-707.8	-5478.5	-3486.2	3729.4
5	ok 862	0.09	0.9	0.3	15.9	12.7	15.8	7.7	-1571.1	193.7	-445.7	-1.609e+04	-1.626e+04	499.7
5	ok 1274	0.11	0.9	0.2	21.0	12.7	16.8	7.7	-1456.4	61.4	872.4	184.2	-1.688e+04	-1302.9
5	ok 1275	0.10	0.9	0.2	17.0	12.7	11.9	7.7	-1017.7	84.3	677.0	-2180.6	-8154.7	-1915.7
5	ok 1276	0.09	0.8	0.1	12.9	13.5	7.8	8.4	-451.0	61.3	642.8	1487.3	3055.8	-3677.7
5	ok 1277	0.09	0.8	9.08e-02	12.7	14.7	7.7	9.7	-302.0	180.8	485.1	3075.5	5239.7	-3314.2

M_S	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
5	ok 1278	0.09	0.8	6.91e-02	12.7	14.8	7.7	9.8	-254.5	262.3	321.5	3906.3	6239.2	-2104.7
5	ok 1279	0.09	0.8	5.36e-02	12.7	14.9	7.7	9.9	-234.1	321.5	-247.6	2954.9	3751.2	-3384.4
5	ok 1280	0.09	0.8	5.47e-02	12.7	15.6	7.7	10.6	-254.8	311.9	-214.2	4402.1	6646.7	160.7
5	ok 1281	0.09	0.8	7.14e-02	12.7	15.8	7.7	10.8	-259.7	271.6	-352.7	3997.1	6213.2	1692.9
5	ok 1282	0.09	0.8	9.14e-02	12.7	15.3	7.7	10.3	-325.9	184.0	-529.9	2557.9	4512.5	3154.9
5	ok 1283	0.09	0.8	0.1	12.7	14.2	7.7	9.1	-454.3	113.9	-664.4	1047.7	2739.7	3514.8
5	ok 1284	0.10	0.9	0.2	16.6	12.7	11.6	7.7	-1010.5	87.2	-687.2	-2197.2	-7430.7	1971.8
5	ok 1285	0.11	0.9	0.2	21.1	12.7	17.1	7.7	-1431.5	89.8	-851.6	-1488.6	-1.695e+04	789.1
5	ok 1497	0.11	0.9	0.2	21.5	12.7	18.3	7.7	-1597.9	72.8	776.6	-4409.0	-2.122e+04	3035.6
5	ok 1498	0.10	0.9	0.2	20.0	13.0	15.9	7.9	-296.1	221.0	698.6	-1217.2	-1.280e+04	1075.3
5	ok 1499	0.10	0.8	9.24e-02	14.9	16.9	10.5	11.9	-89.7	375.1	116.5	194.5	-5336.9	-2385.1
5	ok 1500	0.10	0.9	6.18e-02	13.2	16.8	9.3	12.3	-174.3	443.1	378.5	2777.8	6335.7	-2625.4
5	ok 1501	0.09	0.9	4.27e-02	12.7	15.1	8.4	14.7	-145.2	582.7	255.8	3626.5	7742.0	-1706.4
5	ok 1502	0.09	0.9	3.16e-02	12.7	15.7	7.7	16.6	-124.6	529.7	317.0	2651.5	5039.8	2249.5
5	ok 1503	0.10	0.9	3.48e-02	12.7	16.3	7.7	16.5	-100.3	626.9	-351.4	2804.7	4896.7	-2400.7
5	ok 1504	0.10	0.9	4.63e-02	12.7	16.3	8.7	14.8	-145.6	559.8	-298.7	3774.6	8034.0	1377.8
5	ok 1505	0.10	0.9	6.50e-02	13.9	17.7	9.4	12.7	-177.6	452.4	-408.7	2815.6	6143.9	2247.7
5	ok 1506	0.10	0.8	9.22e-02	14.9	17.1	10.5	12.1	-257.5	266.9	-638.0	1313.3	6048.5	418.1
5	ok 1507	0.10	0.9	0.1	20.0	13.4	15.4	8.4	-360.8	220.2	-751.6	-752.0	-1.138e+04	-689.7
5	ok 1508	0.11	0.9	0.2	21.7	12.7	18.3	7.7	-1709.1	82.1	-814.2	-4307.3	-2.007e+04	-2617.1
5	NV 1720	0.12	1.0	0.3	30.4	19.0	26.5	14.9	-1855.6	-293.4	779.4	-5157.3	-2.594e+04	3816.5
5	NV 1721	0.11	0.9	0.1	20.9	21.8	21.1	16.7	58.2	-2.0	518.9	-1933.2	-1.703e+04	1722.2
5	ok 1722	0.11	0.9	5.70e-02	14.7	15.4	22.3	12.9	-64.4	977.6	-145.4	-849.9	-1.055e+04	-1816.6
5	ok 1723	0.10	0.8	3.11e-02	13.6	14.7	19.9	19.2	-16.9	1206.8	-76.2	163.9	-2945.5	-3222.2
5	ok 1724	0.11	0.9	1.84e-02	13.1	14.5	16.6	22.8	-39.9	1175.8	20.7	2135.9	7410.3	-3126.2
5	ok 1725	0.11	0.9	1.24e-02	12.8	14.1	14.1	24.2	-34.5	1208.8	-27.6	2383.4	8758.1	-1255.2
5	ok 1726	0.11	0.9	1.45e-02	12.8	14.2	14.5	24.0	-41.3	1194.3	-6.5	2450.3	8969.2	1593.9
5	ok 1727	0.11	0.9	2.17e-02	13.1	14.8	17.1	22.5	-39.7	1160.0	-44.2	2141.4	7498.1	2749.3
5	ok 1728	0.10	0.8	3.57e-02	13.8	15.0	19.7	18.9	-21.4	1206.1	56.9	212.2	-2572.7	2921.1
5	ok 1729	0.11	0.9	6.41e-02	14.6	15.4	21.6	12.4	-88.1	939.4	121.7	-789.2	-1.021e+04	1662.8
5	NV 1730	0.11	0.9	0.1	21.5	21.7	20.7	16.7	-17.1	580.6	-21.9	-400.0	-1.517e+04	1106.4
5	NV 1731	0.12	0.9	0.3	29.7	18.6	30.4	18.4	-1955.6	-293.9	-826.4	-4970.7	-2.400e+04	-3170.3
5	NV 1991	0.29	1.2	0.4	18.7	17.1	77.5	19.3	-1431.1	-2792.3	1465.8	2743.8	2.141e+04	-8541.3
5	NV 1992	0.25	1.1	0.1	41.8	34.6	94.5	44.8	1142.1	4171.5	-921.4	-2766.4	-3.400e+04	844.6
5	ok 1993	0.15	0.9	3.20e-02	13.9	16.3	46.1	31.7	216.3	2565.0	-275.8	-743.7	-1.080e+04	-1981.3
5	ok 1994	0.12	0.8	9.76e-03	12.7	15.2	32.8	30.7	65.5	2054.0	-133.3	-520.1	-3747.6	-2732.9
5	ok 1995	0.13	0.9	5.34e-03	12.7	14.1	26.1	32.6	7.0	1806.8	-18.1	-45.6	7780.7	-2154.6
5	ok 1996	0.13	0.9	3.71e-03	12.7	13.1	22.3	33.5	12.3	1792.9	24.6	-101.1	9581.3	604.7
5	ok 1997	0.13	0.9	4.23e-03	12.7	13.3	22.8	33.5	5.4	1792.0	12.2	-50.7	9548.1	1292.1
5	ok 1998	0.12	0.9	6.08e-03	12.7	14.1	27.0	32.3	8.5	1784.9	11.6	-80.8	7895.0	1923.0
5	ok 1999	0.12	0.8	1.13e-02	12.8	14.9	33.1	30.0	72.0	2095.0	133.1	-491.1	-3271.8	2553.5
5	ok 2000	0.14	0.9	4.35e-02	15.0	16.2	45.9	32.3	221.1	2573.5	278.8	-748.5	-1.034e+04	1879.5
5	NV 2001	0.24	1.1	0.1	39.4	33.4	90.1	43.0	1144.1	4065.6	788.8	-2743.4	-3.275e+04	-225.2
5	NV 2002	0.25	0.9	0.4	12.8	18.9	66.2	17.0	-1439.5	-3085.3	-1588.5	2514.2	2.306e+04	9277.1

M_S		x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									-1955.61	-3085.29	-1588.50	-3.554e+04	-3.400e+04	-8541.26
		0.29	1.23	0.43	41.84	34.58	94.47	44.77	1144.06	4171.47	1465.76	4402.08	2.306e+04	9277.09

L’armatura delle pareti della vasca è costituita da una maglia base di 1+1ϕ18/20 vert. e 1+1ϕ14/20 oriz., a cui si aggiungono ferri alternati ove necessario.

M_S	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
6	ok 121	0.17	0.5	0.0	8.4	7.4	15.2	15.9	115.0	959.8	-208.4	-1389.9	376.8	-170.7
6	ok 133	0.17	0.6	0.1	18.3	18.9	18.5	17.7	-79.8	785.8	-761.5	-1863.3	-703.1	-784.6
6	ok 145	0.18	0.4	0.1	19.5	19.0	17.8	17.2	-121.7	582.9	-937.1	-1375.5	-495.2	-610.1
6	ok 157	0.17	0.7	0.1	16.0	14.8	14.2	13.0	-202.0	381.7	-665.7	-1279.1	-583.9	-325.9
6	ok 169	0.15	0.8	0.1	13.1	10.7	11.4	9.0	-216.8	279.5	-490.3	-1365.3	-941.5	4.3
6	ok 181	0.12	0.8	8.08e-02	8.1	5.7	6.3	3.9	-45.5	67.2	-363.8	-1486.8	-615.5	95.7
6	ok 223	0.12	0.9	0.3	6.5	7.4	5.1	9.0	-599.4	-1015.5	-505.6	339.2	2027.0	-25.0
6	ok 235	0.13	0.8	0.5	7.2	9.0	5.4	7.2	-334.8	-1246.9	-921.0	-531.4	-290.4	-853.2
6	ok 237	0.11	0.7	0.3	6.0	6.0	4.3	4.3	-125.2	-998.6	-773.7	-817.5	-650.9	-842.3
6	ok 239	0.11	0.7	0.2	6.4	5.7	4.7	3.9	-159.3	-623.0	-659.7	-806.3	-805.1	-504.1
6	ok 241	0.11	0.7	0.2	6.6	5.7	4.8	3.9	-122.0	-310.8	-519.9	-686.4	-1021.3	-140.9
6	ok 243	0.12	0.8	0.1	7.5	6.4	5.8	4.6	1.1	-82.2	-454.9	-166.9	-676.5	-7.5
6	ok 851	0.21	0.4	0.8	29.5	22.0	57.9	41.4	-1630.2	-5943.2	-1463.3	455.0	2198.1	-126.4
6	ok 900	0.15	0.7	0.8	13.5	11.7	8.4	7.7	324.1	-3702.0	-48.2	53.8	766.6	-568.3
6	ok 941	0.10	0.2	0.6	5.7	5.7	3.9	3.9	-34.6	-2173.5	-168.3	-132.0	-847.9	-587.6
6	ok 982	0.10	0.2	0.3	5.7	5.7	3.9	3.9	-61.2	-1537.1	-147.3	-148.1	-1086.7	-422.8
6	ok 1023	0.10	0.2	0.2	5.7	5.7	3.9	3.9	1.4	-560.6	-22.1	36.1	-1015.8	-334.7
6	ok 1051	0.10	0.5	3.98e-02	5.7	5.7	3.9	3.9	1.5	5.2	-46.7	232.0	-963.5	-374.3

M_S		x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									-1630.20	-5943.21	-1463.30	-1863.27	-1086.74	-853.23
		0.21	0.91	0.85	29.45	21.99	57.93	41.37	324.14	959.77	-22.12	454.99	2198.11	95.71

M_S	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
7	ok 132	0.17	0.6	0.0	7.2	8.3	16.7	16.6	110.8	1028.2	-209.1	1281.2	-376.4	-80.7
7	ok 144	0.18	0.7	9.46e-02	18.7	19.6	17.7	19.7	-87.8	854.5	-743.4	2366.4	959.1	577.1
7	ok 156	0.18	0.5	0.1	19.1	19.6	17.4	17.8	-142.5	590.5	-908.3	1674.5	528.6	386.8
7	ok 168	0.17	0.7	0.1	15.1	16.0	13.4	14.3	-187.2	386.7	-668.2	1262.8	584.1	413.7
7	ok 180	0.15	0.9	0.1	11.0	13.1	9.2	11.3	-205.4	286.5	-498.8	1301.0	917.8	79.8
7	ok 192	0.12	0.9	7.86e-02	5.7	8.3	3.9	6.6	-43.0	69.4	-371.9	1409.7	625.3	-166.8
7	ok 234	0.12	0.9	0.3	7.9	6.6	9.3	5.4	-594.3	-1003.1	-494.4	-348.1	-2114.8	76.0
7	ok 236	0.13	0.8	0.5	9.1	7.5	7.4	5.8	-337.4	-1248.0	-909.3	609.7	282.9	947.5
7	ok 238	0.11	0.6	0.3	5.9	6.0	4.2	4.3	-126.8	-1008.6	-773.4	857.0	653.0	947.6
7	ok 240	0.11	0.7	0.2	5.7	6.4	3.9	4.6	-159.5	-633.2	-666.4	843.0	797.6	625.7
7	ok 242	0.11	0.7	0.2	5.7	6.5	3.9	4.8	-123.7	-317.2	-530.1	722.5	1046.1	251.5
7	ok 254	0.12	0.8	0.1	6.5	7.7	4.7	6.0	-9.4	-88.4	-464.0	244.5	875.2	14.5
7	ok 862	0.21	0.4	0.8	23.2	31.3	40.6	56.9	-1631.7	-5914.6	-1440.2	-490.8	-2427.0	180.7
7	ok 901	0.16	0.8	0.8	11.8	14.0	8.8	9.8	295.0	-3755.0	-73.8	-70.4	-967.5	618.4
7	ok 942	0.10	0.2	0.6	5.7	5.7	3.9	3.9	-37.3	-2181.6	-175.2	139.2	810.3	689.8
7	ok 983	0.10	0.2	0.4	5.7	5.7	3.9	3.9	-66.7	-1567.1	-155.5	155.9	1063.5	529.5
7	ok 1024	0.10	0.2	0.2	5.7	5.7	3.9	3.9	0.9	-555.7	-22.3	-26.9	1061.3	386.1
7	ok 1062	0.10	0.6	4.14e-02	5.7	5.7	3.9	3.9	2.0	1.7	-45.7	-198.8	1224.9	375.3

M_S		x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									-1631.66	-5914.57	-1440.18	-490.83	-2427.03	-166.82
		0.21	0.91	0.85	23.19	31.26	40.64	56.86	294.96	1028.20	-22.35	2366.42	1224.93	947.59

M_S	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
8	ok 181	0.10	0.5	7.56e-02	5.7	5.7	3.9	3.9	-39.6	-111.8	266.4	-1669.3	-398.9	126.2
8	ok 182	0.10	0.3	0.2	5.7	5.7	3.9	3.9	-117.9	-428.7	387.5	-1072.7	-874.6	253.7
8	ok 183	0.10	0.1	0.2	5.7	5.7	3.9	3.9	-179.9	-597.4	356.3	-401.7	-375.1	165.5
8	ok 184	0.10	0.1	0.2	5.7	5.7	3.9	3.9	-177.4	-663.1	273.4	-398.9	-226.2	156.2
8	ok 185	0.10	0.1	0.2	5.7	5.7	3.9	3.9	-166.2	-676.2	166.1	-510.4	-228.8	105.5
8	ok 186	0.10	0.1	0.2	5.7	5.7	3.9	3.9	-151.7	-653.0	103.3	-687.2	-233.7	167.9
8	ok 187	0.10	0.1	0.2	5.7	5.7	3.9	3.9	-161.2	-682.2	11.9	-598.0	-244.4	69.3
8	ok 188	0.10	0.1	0.2	5.7	5.7	3.9	3.9	-167.9	-686.0	-185.3	-535.2	-256.5	-155.8
8	ok 189	0.10	0.1	0.2	5.7	5.7	3.9	3.9	-175.2	-668.0	-281.9	-450.0	-234.6	-216.2
8	ok 190	0.10	0.1	0.2	5.7	5.7	3.9	3.9	-173.8	-597.2	-364.9	-500.0	-418.0	-239.9
8	ok 191	0.10	0.3	0.2	5.7	5.7	3.9	3.9	-109.2	-423.9	-388.3	-1196.3	-903.6	-336.2
8	ok 192	0.10	0.5	7.93e-02	5.7	5.7	3.9	3.9	-57.3	-118.7	-271.9	-1747.8	-396.9	-149.0
8	ok 243	0.13	0.8	9.38e-02	7.8	9.1	6.1	7.3	26.4	66.8	394.2	720.4	274.3	-86.7
8	ok 244	0.13	0.7	7.68e-02	8.3	8.2	6.6	6.5	-90.8	169.9	369.1	-108.7	-670.6	400.4
8	ok 245	0.13	0.6	4.94e-02	8.5	8.4	6.8	6.7	-76.5	275.9	282.6	-321.3	-411.2	296.6
8	ok 246	0.13	0.6	2.98e-02	7.9	8.4	7.5	7.0	-46.0	433.2	186.2	-347.1	-291.5	178.7
8	ok 247	0.13	0.7	2.02e-02	6.9	7.4	8.4	7.7	-25.6	513.2	130.9	-527.6	-330.7	267.6
8	ok 248	0.13	0.7	1.74e-02	5.9	6.1	8.6	7.8	-22.7	553.4	53.1	-545.0	-329.5	156.8
8	ok 249	0.13	0.7	1.72e-02	5.9	6.0	8.6	7.7	-26.6	547.4	-23.4	-429.8	-307.7	75.5
8	ok 250	0.13	0.7	2.13e-02	6.8	7.2	8.4	7.5	-34.5	494.7	-109.2	-408.2	-305.8	-137.3
8	ok 251	0.13	0.7	3.09e-02	8.1	8.7	7.7	7.1	-41.6	435.8	-203.4	-376.9	-318.2	-258.3
8	ok 252	0.13	0.6	5.04e-02	8.5	8.4	6.8	6.7	-71.2	274.5	-293.8	-370.8	-435.8	-396.4
8	ok 253	0.13	0.7	7.65e-02	8.3	8.3	6.5	6.6	-87.2	164.8	-370.4	-147.5	-632.2	-485.5

M_S	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
8	ok 254	0.13	0.7	9.27e-02	8.0	9.2	6.3	7.4	22.4	66.1	-394.4	806.2	211.7	98.6
8	ok 1051	0.10	0.5	3.06e-02	5.7	5.7	3.9	3.9	18.7	97.1	133.7	530.0	684.6	-367.4
8	ok 1052	0.15	0.7	8.21e-03	7.0	6.9	12.0	11.7	-18.3	570.2	109.0	8.8	-192.0	-46.1
8	ok 1053	0.18	0.6	6.83e-03	5.8	6.5	19.5	18.5	28.9	1286.5	63.5	-40.1	-421.9	207.8
8	ok 1054	0.19	0.5	7.89e-03	5.7	5.9	24.0	23.0	17.8	1514.6	44.9	-33.5	-395.6	136.0
8	ok 1055	0.20	0.5	8.40e-03	5.7	5.7	26.7	25.7	31.7	1785.4	10.1	-49.4	-350.5	42.1
8	ok 1056	0.20	0.5	8.36e-03	5.7	5.7	28.0	26.9	38.5	1869.2	15.0	-78.9	-389.2	143.5
8	ok 1057	0.20	0.5	7.95e-03	5.7	5.7	27.9	26.8	32.5	1866.2	2.3	-58.5	-390.3	75.0
8	ok 1058	0.20	0.5	8.26e-03	5.7	5.7	26.9	25.8	29.5	1754.7	-24.4	-53.6	-375.1	55.1
8	ok 1059	0.19	0.5	7.96e-03	5.7	5.9	24.3	23.2	18.7	1523.9	-49.4	-45.6	-434.6	-209.0
8	ok 1060	0.18	0.6	7.39e-03	6.2	6.4	19.7	18.7	33.6	1294.3	-67.1	-55.7	-450.0	-289.2
8	ok 1061	0.15	0.7	9.00e-03	6.5	6.7	12.1	11.9	25.6	791.3	-104.1	69.3	-44.6	56.9
8	ok 1062	0.10	0.5	3.33e-02	5.7	5.7	3.9	3.9	19.5	98.7	-139.8	592.5	999.2	384.0

M_S	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
								-179.93	-685.99	-394.42	-1747.79	-903.60	-485.52
	0.20	0.78	0.18	8.50	9.16	27.96	26.87	38.51	1869.16	394.17	806.16	999.22	400.43

L’armatura delle pareti della fossa è costituita da una maglia base di 1+1ϕ12/20 vert. e 1+1ϕ10/20 oriz., a cui si aggiungono ferri alternati ove necessario.

3.9.2.4 STATI LIMITE D' ESERCIZIO

TABELLA STATI LIMITE D' ESERCIZIO

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
166	0.17	0.64	0.0	96,96,0	0.0	0.0	0.0	0,0,0
167	0.24	0.54	0.0	96,91,0	0.0	0.0	0.0	0,0,0
168	0.27	0.58	0.0	96,91,0	0.17	0.0	0.0	91,0,0
169	0.29	0.61	0.0	93,96,0	0.18	0.0	0.0	96,0,0
170	0.31	0.61	0.0	94,96,0	0.18	0.0	0.0	96,0,0
171	0.31	0.61	0.0	94,96,0	0.18	0.0	0.0	96,0,0
172	0.31	0.60	0.0	94,96,0	0.18	0.0	0.0	96,0,0
173	0.29	0.57	0.0	94,96,0	0.17	0.0	0.0	96,0,0
174	0.24	0.52	0.0	96,96,0	0.0	0.0	0.0	0,0,0
175	0.21	0.46	0.0	96,96,0	0.0	0.0	0.0	0,0,0
176	0.14	0.67	0.0	96,96,0	0.0	0.0	0.0	0,0,0
177	0.12	0.56	0.0	96,96,0	0.0	0.0	0.0	0,0,0
178	0.11	0.58	0.0	96,96,0	0.15	0.0	0.0	96,0,0
179	0.17	0.65	0.0	93,96,0	0.0	0.0	0.0	0,0,0
180	0.16	0.69	0.0	94,96,0	0.0	0.0	0.0	0,0,0
181	0.19	0.69	0.0	93,96,0	0.0	0.0	0.0	0,0,0
182	0.19	0.70	0.0	94,96,0	0.0	0.0	0.0	0,0,0
183	0.20	0.67	0.0	93,96,0	0.0	0.0	0.0	0,0,0
184	0.20	0.69	0.0	94,96,0	0.0	0.0	0.0	0,0,0
185	0.20	0.68	0.0	93,96,0	0.0	0.0	0.0	0,0,0
186	0.20	0.71	0.0	94,96,0	0.0	0.0	0.0	0,0,0
187	0.20	0.72	0.0	93,96,0	0.0	0.0	0.0	0,0,0
188	0.19	0.73	0.0	94,96,0	0.0	0.0	0.0	0,0,0
189	0.18	0.73	0.0	93,96,0	0.0	0.0	0.0	0,0,0
190	0.17	0.70	0.0	94,96,0	0.0	0.0	0.0	0,0,0
191	0.15	0.72	0.0	93,91,0	0.0	0.0	0.0	0,0,0
192	0.14	0.68	0.0	94,91,0	0.0	0.0	0.0	0,0,0
193	0.13	0.71	0.0	96,91,0	0.20	0.0	0.0	91,0,0
194	0.12	0.64	0.0	96,91,0	0.15	0.0	0.0	91,0,0
195	0.15	0.68	0.0	96,91,0	0.17	0.0	0.0	91,0,0
196	0.14	0.60	0.0	96,91,0	0.14	0.0	0.0	91,0,0
197	0.14	0.62	0.0	91,96,0	0.0	0.0	0.0	0,0,0
198	0.21	0.58	0.0	91,96,0	0.0	0.0	0.0	0,0,0
199	0.27	0.52	0.0	91,96,0	0.0	0.0	0.0	0,0,0
200	0.31	0.44	0.0	91,87,0	0.11	0.0	0.0	87,0,0
201	0.34	0.46	0.0	87,87,0	0.13	0.0	0.0	87,0,0
202	0.35	0.47	0.0	87,87,0	0.14	0.0	0.0	87,0,0
203	0.34	0.47	0.0	87,87,0	0.13	0.0	0.0	87,0,0
204	0.32	0.45	0.0	91,87,0	0.12	0.0	0.0	87,0,0
205	0.28	0.52	0.0	91,96,0	0.09	0.0	0.0	87,0,0
206	0.22	0.57	0.0	91,96,0	0.0	0.0	0.0	0,0,0
207	0.13	0.61	0.0	91,96,0	0.0	0.0	0.0	0,0,0
208	0.22	0.70	0.0	91,91,0	0.14	0.0	0.0	91,0,0
209	0.21	0.64	0.0	91,91,0	0.12	0.0	0.0	91,0,0
210	0.22	0.72	0.0	91,91,0	0.12	0.0	0.0	91,0,0
211	0.21	0.71	0.0	91,91,0	0.12	0.0	0.0	91,0,0
212	0.19	0.72	0.0	91,91,0	0.14	0.0	0.0	91,0,0
213	0.18	0.73	0.0	91,91,0	0.13	0.0	0.0	91,0,0
214	0.14	0.69	0.0	91,91,0	0.16	0.0	0.0	91,0,0
215	0.14	0.69	0.0	91,91,0	0.16	0.0	0.0	91,0,0
216	0.10	0.72	0.0	91,91,0	0.20	0.0	0.0	91,0,0
217	0.10	0.69	0.0	91,91,0	0.20	0.0	0.0	91,0,0
218	0.11	0.72	0.0	91,91,0	0.0	0.0	0.0	0,0,0
219	0.10	0.68	0.0	91,91,0	0.0	0.0	0.0	0,0,0
220	0.10	0.66	0.0	91,91,0	0.0	0.0	0.0	0,0,0
221	0.09	0.67	0.0	91,91,0	0.0	0.0	0.0	0,0,0
222	0.08	0.66	0.0	91,91,0	0.0	0.0	0.0	0,0,0
223	0.08	0.66	0.0	91,91,0	0.0	0.0	0.0	0,0,0
224	0.08	0.67	0.0	91,91,0	0.0	0.0	0.0	0,0,0
225	0.09	0.65	0.0	91,91,0	0.0	0.0	0.0	0,0,0
226	0.10	0.65	0.0	91,91,0	0.0	0.0	0.0	0,0,0
227	0.10	0.65	0.0	91,91,0	0.0	0.0	0.0	0,0,0
228	0.11	0.70	0.0	91,91,0	0.0	0.0	0.0	0,0,0
229	0.28	0.72	0.0	91,96,0	0.15	0.0	0.0	96,0,0
230	0.31	0.58	0.0	91,91,0	0.16	0.0	0.0	91,0,0
231	0.33	0.63	0.0	91,91,0	0.19	0.0	0.0	91,0,0

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
232	0.34	0.67	0.0	91,91,0	0.22	0.0	0.0	91,0,0
233	0.35	0.71	0.0	91,91,0	0.24	0.0	0.0	91,0,0
234	0.35	0.75	0.0	91,91,0	0.25	0.0	0.0	91,0,0
235	0.34	0.78	0.0	91,91,0	0.26	0.0	0.0	91,0,0
236	0.34	0.78	0.0	91,91,0	0.26	0.0	0.0	91,0,0
237	0.32	0.77	0.0	91,91,0	0.23	0.0	0.0	91,0,0
238	0.30	0.74	0.0	91,91,0	0.20	0.0	0.0	91,0,0
239	0.29	0.74	0.0	96,96,0	0.21	0.0	0.0	96,0,0
240	0.12	0.61	0.0	96,96,0	0.19	0.0	0.0	91,0,0
241	0.10	0.64	0.0	96,96,0	0.17	0.0	0.0	96,0,0
242	0.09	0.63	0.0	96,96,0	0.0	0.0	0.0	0,0,0
243	0.08	0.60	0.0	96,96,0	0.0	0.0	0.0	0,0,0
244	0.12	0.64	0.0	96,96,0	0.0	0.0	0.0	0,0,0
245	0.11	0.64	0.0	96,96,0	0.0	0.0	0.0	0,0,0
246	0.13	0.66	0.0	96,96,0	0.0	0.0	0.0	0,0,0
247	0.13	0.67	0.0	96,96,0	0.0	0.0	0.0	0,0,0
248	0.14	0.69	0.0	96,96,0	0.0	0.0	0.0	0,0,0
249	0.13	0.70	0.0	96,96,0	0.0	0.0	0.0	0,0,0
250	0.14	0.68	0.0	96,96,0	0.0	0.0	0.0	0,0,0
251	0.13	0.69	0.0	96,96,0	0.0	0.0	0.0	0,0,0
252	0.13	0.60	0.0	96,96,0	0.0	0.0	0.0	0,0,0
253	0.13	0.62	0.0	96,96,0	0.0	0.0	0.0	0,0,0
254	0.13	0.40	0.0	96,96,0	0.0	0.0	0.0	0,0,0
255	0.12	0.43	0.0	96,96,0	0.0	0.0	0.0	0,0,0
256	0.15	0.32	0.0	91,91,0	0.0	0.0	0.0	0,0,0
257	0.14	0.31	0.0	91,91,0	0.0	0.0	0.0	0,0,0
258	0.40	0.38	0.0	96,91,0	0.0	0.0	0.0	0,0,0
259	0.38	0.37	0.0	91,91,0	0.0	0.0	0.0	0,0,0
260	0.26	0.64	0.0	91,96,0	0.12	0.0	0.0	96,0,0
261	0.12	0.62	0.0	96,96,0	0.0	0.0	0.0	0,0,0
262	0.11	0.58	0.0	91,96,0	0.0	0.0	0.0	0,0,0
263	0.12	0.43	0.0	91,96,0	0.0	0.0	0.0	0,0,0
264	0.12	0.23	0.0	91,96,0	0.0	0.0	0.0	0,0,0
265	0.12	0.22	0.0	91,96,0	0.0	0.0	0.0	0,0,0
266	0.12	0.28	0.0	91,96,0	0.0	0.0	0.0	0,0,0
267	0.11	0.45	0.0	91,96,0	0.0	0.0	0.0	0,0,0
268	0.11	0.57	0.0	91,96,0	0.0	0.0	0.0	0,0,0
269	0.12	0.58	0.0	96,96,0	0.0	0.0	0.0	0,0,0
270	0.25	0.63	0.0	91,96,0	0.13	0.0	0.0	96,0,0
271	0.54	0.58	0.0	91,91,0	0.0	0.0	0.0	0,0,0
272	0.52	0.55	0.0	91,91,0	0.0	0.0	0.0	0,0,0
273	0.40	0.71	0.0	91,91,0	0.0	0.0	0.0	0,0,0
274	0.39	0.70	0.0	91,91,0	0.0	0.0	0.0	0,0,0
275	0.27	0.71	0.0	91,91,0	0.0	0.0	0.0	0,0,0
276	0.26	0.71	0.0	91,91,0	0.0	0.0	0.0	0,0,0
277	0.18	0.72	0.0	91,91,0	0.0	0.0	0.0	0,0,0
278	0.17	0.73	0.0	91,91,0	0.0	0.0	0.0	0,0,0
279	0.10	0.73	0.0	91,91,0	0.0	0.0	0.0	0,0,0
280	0.10	0.73	0.0	91,91,0	0.0	0.0	0.0	0,0,0
281	0.06	0.73	0.0	91,91,0	0.0	0.0	0.0	0,0,0
282	0.05	0.73	0.0	91,91,0	0.14	0.0	0.0	91,0,0
283	0.04	0.72	0.0	91,91,0	0.12	0.0	0.0	91,0,0
284	0.02	0.70	0.0	91,91,0	0.12	0.0	0.0	91,0,0
285	0.01	0.67	0.0	91,91,0	0.12	0.0	0.0	91,0,0
286	9.63e-03	0.67	0.0	96,91,0	0.12	0.0	0.0	91,0,0
287	0.02	0.68	0.0	96,91,0	0.12	0.0	0.0	91,0,0
288	0.02	0.69	0.0	91,91,0	0.12	0.0	0.0	91,0,0
289	0.04	0.71	0.0	91,91,0	0.12	0.0	0.0	91,0,0
290	0.05	0.73	0.0	91,91,0	0.14	0.0	0.0	91,0,0
291	0.08	0.73	0.0	91,91,0	0.0	0.0	0.0	0,0,0
1149	0.31	0.56	0.0	91,91,0	0.16	0.0	0.0	91,0,0
1150	0.26	0.48	0.0	91,91,0	0.12	0.0	0.0	91,0,0
1151	0.25	0.43	0.0	91,91,0	0.0	0.0	0.0	0,0,0
1152	0.25	0.38	0.0	91,91,0	0.0	0.0	0.0	0,0,0
1153	0.25	0.36	0.0	91,91,0	0.0	0.0	0.0	0,0,0
1154	0.25	0.34	0.0	91,91,0	0.0	0.0	0.0	0,0,0
1155	0.24	0.33	0.0	91,87,0	0.0	0.0	0.0	0,0,0
1156	0.22	0.31	0.0	91,87,0	0.0	0.0	0.0	0,0,0
1157	0.20	0.31	0.0	91,87,0	0.0	0.0	0.0	0,0,0
1158	0.22	0.49	0.0	91,91,0	0.0	0.0	0.0	0,0,0
1159	0.42	0.66	0.0	91,91,0	0.23	0.0	0.0	91,0,0
1160	0.13	0.37	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1161	0.20	0.46	0.0	96,91,0	0.05	0.0	0.0	96,0,0
1162	0.09	0.55	0.0	96,96,0	0.0	0.0	0.0	0,0,0

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
1163	0.09	0.56	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1164	0.11	0.56	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1165	0.11	0.57	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1166	0.13	0.58	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1167	0.12	0.58	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1168	0.13	0.56	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1169	0.13	0.58	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1170	0.13	0.56	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1171	0.13	0.57	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1172	0.13	0.41	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1173	0.13	0.45	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1174	0.13	0.19	0.0	96,87,0	0.0	0.0	0.0	0,0,0
1175	0.12	0.20	0.0	96,87,0	0.0	0.0	0.0	0,0,0
1176	0.14	0.36	0.0	91,96,0	0.0	0.0	0.0	0,0,0
1177	0.14	0.35	0.0	91,96,0	0.0	0.0	0.0	0,0,0
1178	0.40	0.73	0.0	91,91,0	0.13	0.0	0.0	91,0,0
1179	0.38	0.72	0.0	91,91,0	0.22	0.0	0.0	91,0,0
1180	0.27	0.63	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1181	0.12	0.61	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1182	0.08	0.63	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1183	0.07	0.49	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1184	0.06	0.55	0.0	92,96,0	0.0	0.0	0.0	0,0,0
1185	0.06	0.52	0.0	92,96,0	0.0	0.0	0.0	0,0,0
1186	0.06	0.50	0.0	92,96,0	0.0	0.0	0.0	0,0,0
1187	0.07	0.49	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1188	0.08	0.63	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1189	0.12	0.61	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1190	0.26	0.64	0.0	91,96,0	0.0	0.0	0.0	0,0,0
1367	0.15	0.55	0.0	91,96,0	0.0	0.0	0.0	0,0,0
1368	0.13	0.47	0.0	91,96,0	0.0	0.0	0.0	0,0,0
1369	0.12	0.36	0.0	91,96,0	0.0	0.0	0.0	0,0,0
1370	0.12	0.28	0.0	91,96,0	0.0	0.0	0.0	0,0,0
1371	0.12	0.23	0.0	91,96,0	0.0	0.0	0.0	0,0,0
1372	0.12	0.19	0.0	91,96,0	0.0	0.0	0.0	0,0,0
1373	0.11	0.18	0.0	91,91,0	0.0	0.0	0.0	0,0,0
1374	0.10	0.21	0.0	91,96,0	0.0	0.0	0.0	0,0,0
1375	0.10	0.28	0.0	91,96,0	0.0	0.0	0.0	0,0,0
1376	0.12	0.44	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1377	0.13	0.54	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1378	0.11	0.46	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1379	0.12	0.50	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1380	0.07	0.45	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1381	0.07	0.48	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1382	0.11	0.52	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1383	0.10	0.50	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1384	0.12	0.48	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1385	0.12	0.50	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1386	0.13	0.45	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1387	0.13	0.48	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1388	0.13	0.43	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1389	0.13	0.46	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1390	0.11	0.23	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1391	0.12	0.27	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1392	0.09	0.12	0.0	96,87,0	0.0	0.0	0.0	0,0,0
1393	0.10	0.13	0.0	96,87,0	0.0	0.0	0.0	0,0,0
1394	0.13	0.41	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1395	0.12	0.39	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1396	0.18	0.60	0.0	96,96,0	0.10	0.0	0.0	96,0,0
1397	0.17	0.56	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1398	0.17	0.64	0.0	96,96,0	0.13	0.0	0.0	96,0,0
1399	0.10	0.64	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1400	0.07	0.64	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1401	0.06	0.65	0.0	92,96,0	0.0	0.0	0.0	0,0,0
1402	0.06	0.70	0.0	92,94,0	0.0	0.0	0.0	0,0,0
1403	0.06	0.70	0.0	92,94,0	0.0	0.0	0.0	0,0,0
1404	0.06	0.70	0.0	92,94,0	0.0	0.0	0.0	0,0,0
1405	0.06	0.61	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1406	0.07	0.64	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1407	0.10	0.63	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1408	0.16	0.61	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1585	0.10	0.53	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1586	0.07	0.48	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1587	0.06	0.36	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1588	0.06	0.28	0.0	96,96,0	0.0	0.0	0.0	0,0,0

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
1589	0.06	0.23	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1590	0.06	0.22	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1591	0.06	0.22	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1592	0.05	0.22	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1593	0.05	0.30	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1594	0.07	0.45	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1595	0.11	0.58	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1596	0.11	0.47	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1597	0.12	0.54	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1598	0.06	0.32	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1599	0.06	0.36	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1600	0.10	0.36	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1601	0.09	0.40	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1602	0.12	0.34	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1603	0.11	0.38	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1604	0.12	0.33	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1605	0.12	0.35	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1606	0.12	0.25	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1607	0.12	0.29	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1608	0.11	0.12	0.0	96,92,0	0.0	0.0	0.0	0,0,0
1609	0.11	0.15	0.0	96,92,0	0.0	0.0	0.0	0,0,0
1610	0.10	0.08	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1611	0.11	0.08	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1612	0.14	0.39	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1613	0.13	0.38	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1614	0.21	0.57	0.0	96,96,0	0.11	0.0	0.0	96,0,0
1615	0.18	0.56	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1616	0.18	0.58	0.0	96,96,0	0.13	0.0	0.0	96,0,0
1617	0.09	0.66	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1618	0.04	0.60	0.0	92,96,0	0.0	0.0	0.0	0,0,0
1619	0.05	0.64	0.0	92,96,0	0.15	0.0	0.0	96,0,0
1620	0.05	0.72	0.0	92,96,0	0.19	0.0	0.0	96,0,0
1621	0.04	0.72	0.0	92,96,0	0.19	0.0	0.0	96,0,0
1622	0.05	0.70	0.0	92,94,0	0.17	0.0	0.0	96,0,0
1623	0.05	0.61	0.0	92,96,0	0.14	0.0	0.0	96,0,0
1624	0.04	0.60	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1625	0.09	0.62	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1626	0.17	0.58	0.0	96,96,0	0.11	0.0	0.0	96,0,0
1803	0.10	0.50	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1804	0.05	0.44	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1805	0.03	0.34	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1806	0.04	0.28	0.0	93,96,0	0.0	0.0	0.0	0,0,0
1807	0.04	0.26	0.0	93,96,0	0.0	0.0	0.0	0,0,0
1808	0.04	0.27	0.0	93,96,0	0.0	0.0	0.0	0,0,0
1809	0.04	0.28	0.0	93,96,0	0.0	0.0	0.0	0,0,0
1810	0.04	0.26	0.0	94,96,0	0.0	0.0	0.0	0,0,0
1811	0.03	0.30	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1812	0.06	0.44	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1813	0.11	0.59	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1814	0.10	0.48	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1815	0.11	0.52	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1816	0.05	0.27	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1817	0.05	0.33	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1818	0.07	0.17	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1819	0.07	0.22	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1820	0.09	0.16	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1821	0.08	0.20	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1822	0.09	0.14	0.0	96,87,0	0.0	0.0	0.0	0,0,0
1823	0.09	0.18	0.0	96,87,0	0.0	0.0	0.0	0,0,0
1824	0.09	0.10	0.0	96,87,0	0.0	0.0	0.0	0,0,0
1825	0.09	0.13	0.0	96,87,0	0.0	0.0	0.0	0,0,0
1826	0.09	0.06	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1827	0.09	0.07	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1828	0.11	0.08	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1829	0.12	0.09	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1830	0.14	0.23	0.0	96,92,0	0.0	0.0	0.0	0,0,0
1831	0.17	0.27	0.0	96,92,0	0.0	0.0	0.0	0,0,0
1832	0.23	0.49	0.0	96,96,0	0.09	0.0	0.0	96,0,0
1833	0.28	0.45	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1834	0.18	0.45	0.0	96,96,0	0.08	0.0	0.0	96,0,0
1835	0.07	0.57	0.0	96,96,0	0.10	0.0	0.0	96,0,0
1836	0.02	0.61	0.0	92,96,0	0.12	0.0	0.0	96,0,0
1837	0.02	0.63	0.0	92,96,0	0.15	0.0	0.0	96,0,0
1838	0.02	0.72	0.0	92,96,0	0.19	0.0	0.0	96,0,0

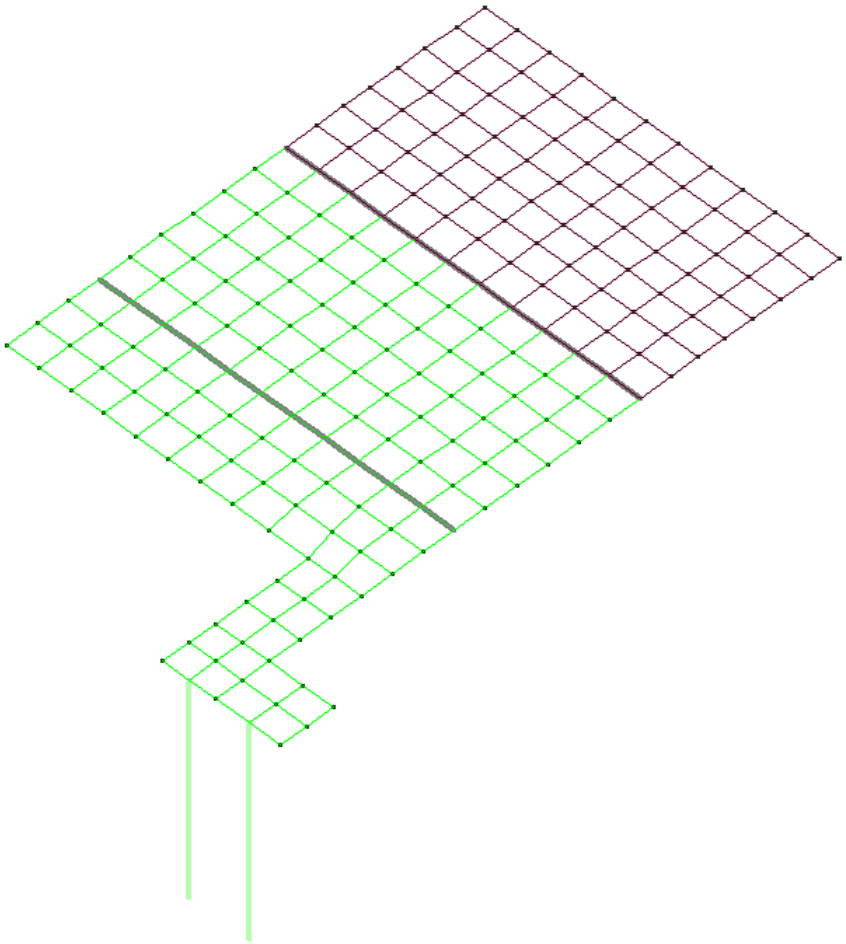
Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
1839	0.02	0.72	0.0	92,96,0	0.19	0.0	0.0	96,0,0
1840	0.02	0.70	0.0	92,96,0	0.17	0.0	0.0	96,0,0
1841	0.02	0.60	0.0	92,96,0	0.14	0.0	0.0	96,0,0
1842	0.02	0.60	0.0	92,96,0	0.12	0.0	0.0	96,0,0
1843	0.05	0.60	0.0	96,96,0	0.09	0.0	0.0	96,0,0
1844	0.16	0.46	0.0	96,96,0	0.08	0.0	0.0	96,0,0
2127	0.11	0.49	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2128	0.05	0.34	0.0	91,96,0	0.0	0.0	0.0	0,0,0
2129	0.04	0.25	0.0	91,96,0	0.0	0.0	0.0	0,0,0
2130	0.04	0.23	0.0	91,96,0	0.0	0.0	0.0	0,0,0
2131	0.10	0.29	0.0	91,96,0	0.0	0.0	0.0	0,0,0
2132	0.11	0.37	0.0	91,91,0	0.0	0.0	0.0	0,0,0
2133	0.05	0.29	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2134	0.05	0.27	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2135	0.04	0.25	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2136	0.05	0.38	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2137	0.10	0.52	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2138	0.13	0.50	0.0	96,91,0	0.0	0.0	0.0	0,0,0
2139	0.10	0.48	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2140	0.06	0.26	0.0	96,91,0	0.0	0.0	0.0	0,0,0
2141	0.06	0.35	0.0	96,91,0	0.0	0.0	0.0	0,0,0
2142	0.06	0.15	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2143	0.07	0.18	0.0	96,87,0	0.0	0.0	0.0	0,0,0
2144	0.07	0.17	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2145	0.07	0.16	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2146	0.07	0.13	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2147	0.07	0.14	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2148	0.07	0.05	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2149	0.07	0.06	0.0	96,91,0	0.0	0.0	0.0	0,0,0
2150	0.09	0.06	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2151	0.08	0.06	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2152	0.12	0.09	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2153	0.13	0.10	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2154	0.19	0.15	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2155	0.20	0.16	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2156	0.30	0.24	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2157	0.38	0.30	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2423	0.09	0.51	0.0	91,91,0	0.0	0.0	0.0	0,0,0
2424	0.05	0.21	0.0	94,96,0	0.0	0.0	0.0	0,0,0
2425	0.07	0.20	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2426	0.08	0.21	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2427	0.09	0.25	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2428	0.09	0.31	0.0	96,94,0	0.0	0.0	0.0	0,0,0
2429	0.08	0.30	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2430	0.08	0.28	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2431	0.08	0.24	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2432	0.07	0.27	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2433	0.10	0.47	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2434	0.13	0.47	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2435	0.10	0.42	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2436	0.06	0.22	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2437	0.07	0.36	0.0	96,91,0	0.0	0.0	0.0	0,0,0
2438	0.08	0.26	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2439	0.09	0.29	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2440	0.06	0.27	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2441	0.08	0.29	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2442	0.06	0.24	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2443	0.07	0.26	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2444	0.07	0.14	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2445	0.06	0.17	0.0	96,91,0	0.0	0.0	0.0	0,0,0
2446	0.08	0.06	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2447	0.08	0.06	0.0	96,91,0	0.0	0.0	0.0	0,0,0
2448	0.12	0.09	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2449	0.12	0.10	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2450	0.25	0.19	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2451	0.24	0.19	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2452	0.35	0.27	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2453	0.32	0.25	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3280	0.06	0.28	0.0	96,91,0	0.0	0.0	0.0	0,0,0
3281	0.09	0.19	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3282	0.12	0.20	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3283	0.14	0.21	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3284	0.16	0.23	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3285	0.16	0.24	0.0	96,96,0	0.0	0.0	0.0	0,0,0

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
3286	0.14	0.24	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3287	0.14	0.24	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3288	0.13	0.39	0.0	96,91,0	0.0	0.0	0.0	0,0,0
3289	0.14	0.44	0.0	96,91,0	0.0	0.0	0.0	0,0,0
3290	0.09	0.42	0.0	91,91,0	0.11	0.0	0.0	91,0,0
3291	0.07	0.33	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3292	0.09	0.46	0.0	96,91,0	0.0	0.0	0.0	0,0,0
3293	0.07	0.34	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3294	0.09	0.46	0.0	96,91,0	0.0	0.0	0.0	0,0,0
3295	0.30	0.72	0.0	94,94,0	0.22	0.0	0.0	94,0,0
3296	0.32	0.62	0.0	94,93,0	0.19	0.0	0.0	93,0,0
3297	0.25	0.40	0.0	94,94,0	0.0	0.0	0.0	0,0,0
3298	0.26	0.46	0.0	93,96,0	0.0	0.0	0.0	0,0,0
3299	0.05	0.24	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3300	0.05	0.27	0.0	94,96,0	0.0	0.0	0.0	0,0,0
3301	0.06	0.27	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3302	0.05	0.31	0.0	96,91,0	0.0	0.0	0.0	0,0,0
3303	0.07	0.27	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3304	0.06	0.29	0.0	96,91,0	0.0	0.0	0.0	0,0,0
3305	0.11	0.13	0.0	96,91,0	0.0	0.0	0.0	0,0,0
3306	0.10	0.17	0.0	96,91,0	0.0	0.0	0.0	0,0,0
3307	0.48	0.34	0.0	96,96,0	0.02	0.0	0.0	96,0,0
3308	0.38	0.28	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3309	0.53	0.71	0.0	96,96,0	0.07	0.0	0.0	96,0,0
3310	0.48	0.72	0.0	96,96,0	0.04	0.0	0.0	96,0,0

Setto	rRfck	rRfyk	rPfck	wR	wF	wP
	0.54	0.78	0.0	0.26	0.0	0.0

3.9.3 SOLETTA PRIMO PIANO

La soletta ha spessore 30 cm nella pare anteriore e 45 cm nella parte posteriore, è nervata da travi trasversali di sezione 40 cm x 130 cm e nella zona di uscita del canale è sostenuta da pilastri 30 cm x 100 cm.



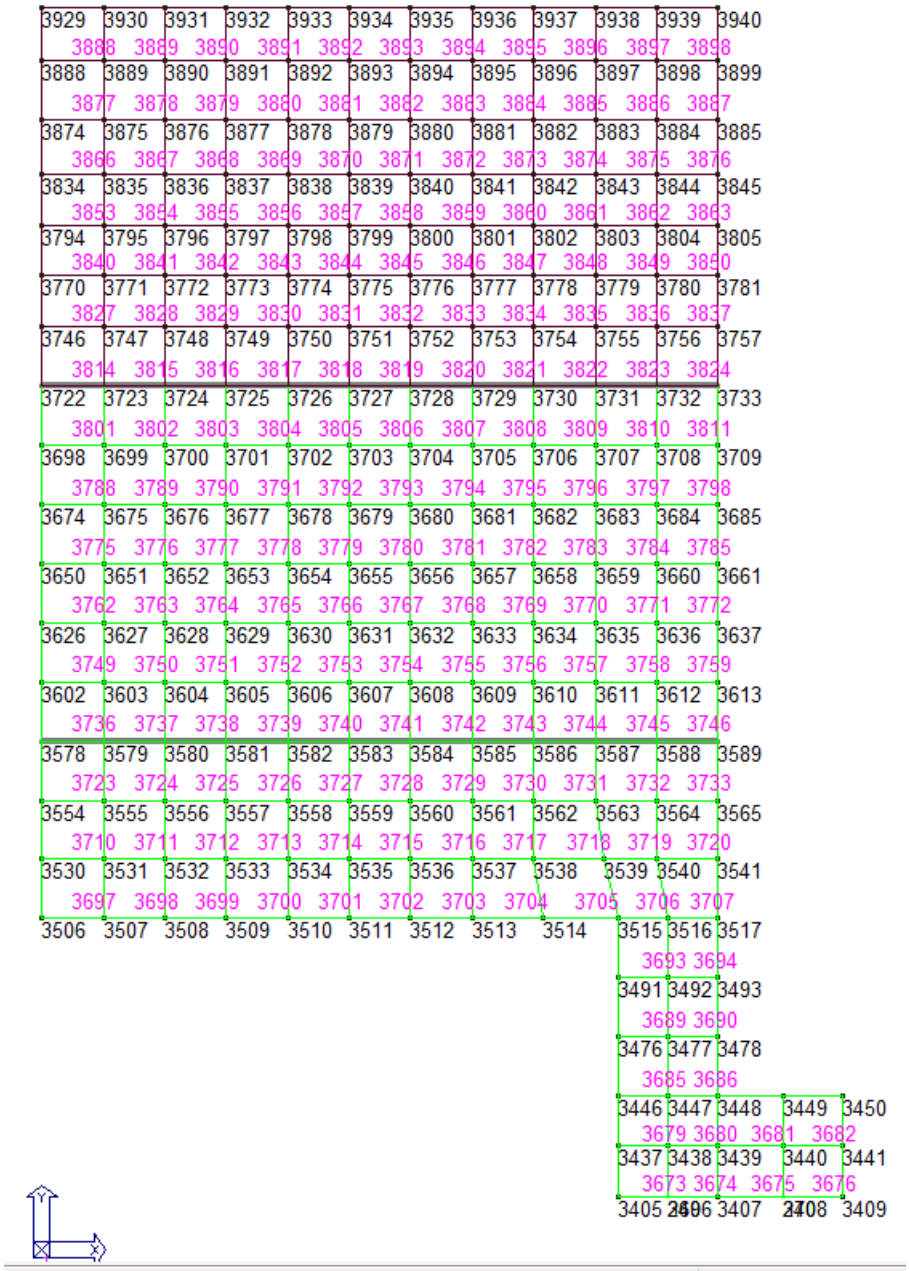
3.9.3.1 MODELLAZIONE STRUTTURA: NODI

TABELLA DATI NODI

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
269	1059.0	90.0	200.0	270	1254.0	90.0	200.0	3405	974.0	90.0	900.0
3406	1059.0	90.0	900.0	3407	1144.0	90.0	900.0	3408	1254.0	90.0	900.0
3409	1354.0	90.0	900.0	3437	974.0	175.0	900.0	3438	1059.0	175.0	900.0
3439	1144.0	175.0	900.0	3440	1254.0	175.0	900.0	3441	1354.0	175.0	900.0
3446	974.0	260.0	900.0	3447	1059.0	260.0	900.0	3448	1144.0	260.0	900.0
3449	1254.0	260.0	900.0	3450	1354.0	260.0	900.0	3476	974.0	360.0	900.0
3477	1059.0	360.0	900.0	3478	1144.0	360.0	900.0	3491	974.0	460.0	900.0
3492	1059.0	460.0	900.0	3493	1144.0	460.0	900.0	3506	0.0	560.0	900.0
3507	104.0	560.0	900.0	3508	208.0	560.0	900.0	3509	312.0	560.0	900.0
3510	416.0	560.0	900.0	3511	520.0	560.0	900.0	3512	624.0	560.0	900.0
3513	728.0	560.0	900.0	3514	847.0	560.0	900.0	3515	974.0	560.0	900.0
3516	1059.0	560.0	900.0	3517	1144.0	560.0	900.0	3530	0.0	660.0	900.0
3531	104.0	660.0	900.0	3532	208.0	660.0	900.0	3533	312.0	660.0	900.0
3534	416.0	660.0	900.0	3535	520.0	660.0	900.0	3536	624.0	660.0	900.0

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
3537	728.0	660.0	900.0	3538	832.0	660.0	900.0	3539	951.0	660.0	900.0
3540	1040.0	660.0	900.0	3541	1144.0	660.0	900.0	3554	0.0	760.0	900.0
3555	104.0	760.0	900.0	3556	208.0	760.0	900.0	3557	312.0	760.0	900.0
3558	416.0	760.0	900.0	3559	520.0	760.0	900.0	3560	624.0	760.0	900.0
3561	728.0	760.0	900.0	3562	832.0	760.0	900.0	3563	936.0	760.0	900.0
3564	1040.0	760.0	900.0	3565	1144.0	760.0	900.0	3578	0.0	860.0	900.0
3579	104.0	860.0	900.0	3580	208.0	860.0	900.0	3581	312.0	860.0	900.0
3582	416.0	860.0	900.0	3583	520.0	860.0	900.0	3584	624.0	860.0	900.0
3585	728.0	860.0	900.0	3586	832.0	860.0	900.0	3587	936.0	860.0	900.0
3588	1040.0	860.0	900.0	3589	1144.0	860.0	900.0	3602	0.0	960.0	900.0
3603	104.0	960.0	900.0	3604	208.0	960.0	900.0	3605	312.0	960.0	900.0
3606	416.0	960.0	900.0	3607	520.0	960.0	900.0	3608	624.0	960.0	900.0
3609	728.0	960.0	900.0	3610	832.0	960.0	900.0	3611	936.0	960.0	900.0
3612	1040.0	960.0	900.0	3613	1144.0	960.0	900.0	3626	0.0	1060.0	900.0
3627	104.0	1060.0	900.0	3628	208.0	1060.0	900.0	3629	312.0	1060.0	900.0
3630	416.0	1060.0	900.0	3631	520.0	1060.0	900.0	3632	624.0	1060.0	900.0
3633	728.0	1060.0	900.0	3634	832.0	1060.0	900.0	3635	936.0	1060.0	900.0
3636	1040.0	1060.0	900.0	3637	1144.0	1060.0	900.0	3650	0.0	1160.0	900.0
3651	104.0	1160.0	900.0	3652	208.0	1160.0	900.0	3653	312.0	1160.0	900.0
3654	416.0	1160.0	900.0	3655	520.0	1160.0	900.0	3656	624.0	1160.0	900.0
3657	728.0	1160.0	900.0	3658	832.0	1160.0	900.0	3659	936.0	1160.0	900.0
3660	1040.0	1160.0	900.0	3661	1144.0	1160.0	900.0	3674	0.0	1260.0	900.0
3675	104.0	1260.0	900.0	3676	208.0	1260.0	900.0	3677	312.0	1260.0	900.0
3678	416.0	1260.0	900.0	3679	520.0	1260.0	900.0	3680	624.0	1260.0	900.0
3681	728.0	1260.0	900.0	3682	832.0	1260.0	900.0	3683	936.0	1260.0	900.0
3684	1040.0	1260.0	900.0	3685	1144.0	1260.0	900.0	3698	0.0	1360.0	900.0
3699	104.0	1360.0	900.0	3700	208.0	1360.0	900.0	3701	312.0	1360.0	900.0
3702	416.0	1360.0	900.0	3703	520.0	1360.0	900.0	3704	624.0	1360.0	900.0
3705	728.0	1360.0	900.0	3706	832.0	1360.0	900.0	3707	936.0	1360.0	900.0
3708	1040.0	1360.0	900.0	3709	1144.0	1360.0	900.0	3722	0.0	1460.0	900.0
3723	104.0	1460.0	900.0	3724	208.0	1460.0	900.0	3725	312.0	1460.0	900.0
3726	416.0	1460.0	900.0	3727	520.0	1460.0	900.0	3728	624.0	1460.0	900.0
3729	728.0	1460.0	900.0	3730	832.0	1460.0	900.0	3731	936.0	1460.0	900.0
3732	1040.0	1460.0	900.0	3733	1144.0	1460.0	900.0	3746	0.0	1560.0	900.0
3747	104.0	1560.0	900.0	3748	208.0	1560.0	900.0	3749	312.0	1560.0	900.0
3750	416.0	1560.0	900.0	3751	520.0	1560.0	900.0	3752	624.0	1560.0	900.0
3753	728.0	1560.0	900.0	3754	832.0	1560.0	900.0	3755	936.0	1560.0	900.0
3756	1040.0	1560.0	900.0	3757	1144.0	1560.0	900.0	3770	0.0	1647.5	900.0
3771	104.0	1647.5	900.0	3772	208.0	1647.5	900.0	3773	312.0	1647.5	900.0
3774	416.0	1647.5	900.0	3775	520.0	1647.5	900.0	3776	624.0	1647.5	900.0
3777	728.0	1647.5	900.0	3778	832.0	1647.5	900.0	3779	936.0	1647.5	900.0
3780	1040.0	1647.5	900.0	3781	1144.0	1647.5	900.0	3794	0.0	1732.5	900.0
3795	104.0	1732.5	900.0	3796	208.0	1732.5	900.0	3797	312.0	1732.5	900.0
3798	416.0	1732.5	900.0	3799	520.0	1732.5	900.0	3800	624.0	1732.5	900.0
3801	728.0	1732.5	900.0	3802	832.0	1732.5	900.0	3803	936.0	1732.5	900.0
3804	1040.0	1732.5	900.0	3805	1144.0	1732.5	900.0	3834	0.0	1820.0	900.0
3835	104.0	1820.0	900.0	3836	208.0	1820.0	900.0	3837	312.0	1820.0	900.0
3838	416.0	1820.0	900.0	3839	520.0	1820.0	900.0	3840	624.0	1820.0	900.0
3841	728.0	1820.0	900.0	3842	832.0	1820.0	900.0	3843	936.0	1820.0	900.0
3844	1040.0	1820.0	900.0	3845	1144.0	1820.0	900.0	3874	0.0	1910.0	900.0
3875	104.0	1910.0	900.0	3876	208.0	1910.0	900.0	3877	312.0	1910.0	900.0
3878	416.0	1910.0	900.0	3879	520.0	1910.0	900.0	3880	624.0	1910.0	900.0
3881	728.0	1910.0	900.0	3882	832.0	1910.0	900.0	3883	936.0	1910.0	900.0
3884	1040.0	1910.0	900.0	3885	1144.0	1910.0	900.0	3888	0.0	2010.0	900.0
3889	104.0	2010.0	900.0	3890	208.0	2010.0	900.0	3891	312.0	2010.0	900.0
3892	416.0	2010.0	900.0	3893	520.0	2010.0	900.0	3894	624.0	2010.0	900.0
3895	728.0	2010.0	900.0	3896	832.0	2010.0	900.0	3897	936.0	2010.0	900.0
3898	1040.0	2010.0	900.0	3899	1144.0	2010.0	900.0	3929	0.0	2100.0	900.0
3930	104.0	2100.0	900.0	3931	208.0	2100.0	900.0	3932	312.0	2100.0	900.0
3933	416.0	2100.0	900.0	3934	520.0	2100.0	900.0	3935	624.0	2100.0	900.0
3936	728.0	2100.0	900.0	3937	832.0	2100.0	900.0	3938	936.0	2100.0	900.0
3939	1040.0	2100.0	900.0	3940	1144.0	2100.0	900.0				

Numerazione nodi ed elementi shell



3.9.3.2 MODELLAZIONE STRUTTURA: ELEMENTI SHELL

TABELLA DATI SHELL

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
3673	Guscio	3405	3406	3438	3437	4	30.0		
3674	Guscio	3406	3407	3439	3438	4	30.0		
3675	Guscio	3407	3408	3440	3439	4	30.0		
3676	Guscio	3408	3409	3441	3440	4	30.0		
3679	Guscio	3437	3438	3447	3446	4	30.0		
3680	Guscio	3438	3439	3448	3447	4	30.0		
3681	Guscio	3439	3440	3449	3448	4	30.0		
3682	Guscio	3440	3441	3450	3449	4	30.0		
3685	Guscio	3446	3447	3477	3476	4	30.0		
3686	Guscio	3447	3448	3478	3477	4	30.0		
3689	Guscio	3476	3477	3492	3491	4	30.0		
3690	Guscio	3477	3478	3493	3492	4	30.0		
3693	Guscio	3491	3492	3516	3515	4	30.0		
3694	Guscio	3492	3493	3517	3516	4	30.0		
3697	Guscio	3506	3507	3531	3530	4	30.0		
3698	Guscio	3507	3508	3532	3531	4	30.0		
3699	Guscio	3508	3509	3533	3532	4	30.0		
3700	Guscio	3509	3510	3534	3533	4	30.0		
3701	Guscio	3510	3511	3535	3534	4	30.0		
3702	Guscio	3511	3512	3536	3535	4	30.0		
3703	Guscio	3512	3513	3537	3536	4	30.0		
3704	Guscio	3513	3514	3538	3537	4	30.0		
3705	Guscio	3514	3515	3539	3538	4	30.0		
3706	Guscio	3515	3516	3540	3539	4	30.0		
3707	Guscio	3516	3517	3541	3540	4	30.0		
3710	Guscio	3530	3531	3555	3554	4	30.0		
3711	Guscio	3531	3532	3556	3555	4	30.0		
3712	Guscio	3532	3533	3557	3556	4	30.0		
3713	Guscio	3533	3534	3558	3557	4	30.0		
3714	Guscio	3534	3535	3559	3558	4	30.0		
3715	Guscio	3535	3536	3560	3559	4	30.0		
3716	Guscio	3536	3537	3561	3560	4	30.0		
3717	Guscio	3537	3538	3562	3561	4	30.0		
3718	Guscio	3538	3539	3563	3562	4	30.0		
3719	Guscio	3539	3540	3564	3563	4	30.0		
3720	Guscio	3540	3541	3565	3564	4	30.0		
3723	Guscio	3554	3555	3579	3578	4	30.0		
3724	Guscio	3555	3556	3580	3579	4	30.0		
3725	Guscio	3556	3557	3581	3580	4	30.0		
3726	Guscio	3557	3558	3582	3581	4	30.0		
3727	Guscio	3558	3559	3583	3582	4	30.0		
3728	Guscio	3559	3560	3584	3583	4	30.0		
3729	Guscio	3560	3561	3585	3584	4	30.0		
3730	Guscio	3561	3562	3586	3585	4	30.0		
3731	Guscio	3562	3563	3587	3586	4	30.0		
3732	Guscio	3563	3564	3588	3587	4	30.0		
3733	Guscio	3564	3565	3589	3588	4	30.0		
3736	Guscio	3578	3579	3603	3602	4	30.0		
3737	Guscio	3579	3580	3604	3603	4	30.0		
3738	Guscio	3580	3581	3605	3604	4	30.0		
3739	Guscio	3581	3582	3606	3605	4	30.0		
3740	Guscio	3582	3583	3607	3606	4	30.0		
3741	Guscio	3583	3584	3608	3607	4	30.0		
3742	Guscio	3584	3585	3609	3608	4	30.0		
3743	Guscio	3585	3586	3610	3609	4	30.0		
3744	Guscio	3586	3587	3611	3610	4	30.0		
3745	Guscio	3587	3588	3612	3611	4	30.0		
3746	Guscio	3588	3589	3613	3612	4	30.0		
3749	Guscio	3602	3603	3627	3626	4	30.0		
3750	Guscio	3603	3604	3628	3627	4	30.0		
3751	Guscio	3604	3605	3629	3628	4	30.0		
3752	Guscio	3605	3606	3630	3629	4	30.0		
3753	Guscio	3606	3607	3631	3630	4	30.0		
3754	Guscio	3607	3608	3632	3631	4	30.0		
3755	Guscio	3608	3609	3633	3632	4	30.0		
3756	Guscio	3609	3610	3634	3633	4	30.0		
3757	Guscio	3610	3611	3635	3634	4	30.0		
3758	Guscio	3611	3612	3636	3635	4	30.0		

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
3759	Guscio	3612	3613	3637	3636	4	30.0		
3762	Guscio	3626	3627	3651	3650	4	30.0		
3763	Guscio	3627	3628	3652	3651	4	30.0		
3764	Guscio	3628	3629	3653	3652	4	30.0		
3765	Guscio	3629	3630	3654	3653	4	30.0		
3766	Guscio	3630	3631	3655	3654	4	30.0		
3767	Guscio	3631	3632	3656	3655	4	30.0		
3768	Guscio	3632	3633	3657	3656	4	30.0		
3769	Guscio	3633	3634	3658	3657	4	30.0		
3770	Guscio	3634	3635	3659	3658	4	30.0		
3771	Guscio	3635	3636	3660	3659	4	30.0		
3772	Guscio	3636	3637	3661	3660	4	30.0		
3775	Guscio	3650	3651	3675	3674	4	30.0		
3776	Guscio	3651	3652	3676	3675	4	30.0		
3777	Guscio	3652	3653	3677	3676	4	30.0		
3778	Guscio	3653	3654	3678	3677	4	30.0		
3779	Guscio	3654	3655	3679	3678	4	30.0		
3780	Guscio	3655	3656	3680	3679	4	30.0		
3781	Guscio	3656	3657	3681	3680	4	30.0		
3782	Guscio	3657	3658	3682	3681	4	30.0		
3783	Guscio	3658	3659	3683	3682	4	30.0		
3784	Guscio	3659	3660	3684	3683	4	30.0		
3785	Guscio	3660	3661	3685	3684	4	30.0		
3788	Guscio	3674	3675	3699	3698	4	30.0		
3789	Guscio	3675	3676	3700	3699	4	30.0		
3790	Guscio	3676	3677	3701	3700	4	30.0		
3791	Guscio	3677	3678	3702	3701	4	30.0		
3792	Guscio	3678	3679	3703	3702	4	30.0		
3793	Guscio	3679	3680	3704	3703	4	30.0		
3794	Guscio	3680	3681	3705	3704	4	30.0		
3795	Guscio	3681	3682	3706	3705	4	30.0		
3796	Guscio	3682	3683	3707	3706	4	30.0		
3797	Guscio	3683	3684	3708	3707	4	30.0		
3798	Guscio	3684	3685	3709	3708	4	30.0		
3801	Guscio	3698	3699	3723	3722	4	30.0		
3802	Guscio	3699	3700	3724	3723	4	30.0		
3803	Guscio	3700	3701	3725	3724	4	30.0		
3804	Guscio	3701	3702	3726	3725	4	30.0		
3805	Guscio	3702	3703	3727	3726	4	30.0		
3806	Guscio	3703	3704	3728	3727	4	30.0		
3807	Guscio	3704	3705	3729	3728	4	30.0		
3808	Guscio	3705	3706	3730	3729	4	30.0		
3809	Guscio	3706	3707	3731	3730	4	30.0		
3810	Guscio	3707	3708	3732	3731	4	30.0		
3811	Guscio	3708	3709	3733	3732	4	30.0		
3814	Guscio	3722	3723	3747	3746	4	45.0		
3815	Guscio	3723	3724	3748	3747	4	45.0		
3816	Guscio	3724	3725	3749	3748	4	45.0		
3817	Guscio	3725	3726	3750	3749	4	45.0		
3818	Guscio	3726	3727	3751	3750	4	45.0		
3819	Guscio	3727	3728	3752	3751	4	45.0		
3820	Guscio	3728	3729	3753	3752	4	45.0		
3821	Guscio	3729	3730	3754	3753	4	45.0		
3822	Guscio	3730	3731	3755	3754	4	45.0		
3823	Guscio	3731	3732	3756	3755	4	45.0		
3824	Guscio	3732	3733	3757	3756	4	45.0		
3827	Guscio	3746	3747	3771	3770	4	45.0		
3828	Guscio	3747	3748	3772	3771	4	45.0		
3829	Guscio	3748	3749	3773	3772	4	45.0		
3830	Guscio	3749	3750	3774	3773	4	45.0		
3831	Guscio	3750	3751	3775	3774	4	45.0		
3832	Guscio	3751	3752	3776	3775	4	45.0		
3833	Guscio	3752	3753	3777	3776	4	45.0		
3834	Guscio	3753	3754	3778	3777	4	45.0		
3835	Guscio	3754	3755	3779	3778	4	45.0		
3836	Guscio	3755	3756	3780	3779	4	45.0		
3837	Guscio	3756	3757	3781	3780	4	45.0		
3840	Guscio	3770	3771	3795	3794	4	45.0		
3841	Guscio	3771	3772	3796	3795	4	45.0		
3842	Guscio	3772	3773	3797	3796	4	45.0		
3843	Guscio	3773	3774	3798	3797	4	45.0		
3844	Guscio	3774	3775	3799	3798	4	45.0		
3845	Guscio	3775	3776	3800	3799	4	45.0		
3846	Guscio	3776	3777	3801	3800	4	45.0		

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore cm	Wink V daN/cm3	Wink O daN/cm3
3847	Guscio	3777	3778	3802	3801	4	45.0		
3848	Guscio	3778	3779	3803	3802	4	45.0		
3849	Guscio	3779	3780	3804	3803	4	45.0		
3850	Guscio	3780	3781	3805	3804	4	45.0		
3853	Guscio	3794	3795	3835	3834	4	45.0		
3854	Guscio	3795	3796	3836	3835	4	45.0		
3855	Guscio	3796	3797	3837	3836	4	45.0		
3856	Guscio	3797	3798	3838	3837	4	45.0		
3857	Guscio	3798	3799	3839	3838	4	45.0		
3858	Guscio	3799	3800	3840	3839	4	45.0		
3859	Guscio	3800	3801	3841	3840	4	45.0		
3860	Guscio	3801	3802	3842	3841	4	45.0		
3861	Guscio	3802	3803	3843	3842	4	45.0		
3862	Guscio	3803	3804	3844	3843	4	45.0		
3863	Guscio	3804	3805	3845	3844	4	45.0		
3866	Guscio	3834	3835	3875	3874	4	45.0		
3867	Guscio	3835	3836	3876	3875	4	45.0		
3868	Guscio	3836	3837	3877	3876	4	45.0		
3869	Guscio	3837	3838	3878	3877	4	45.0		
3870	Guscio	3838	3839	3879	3878	4	45.0		
3871	Guscio	3839	3840	3880	3879	4	45.0		
3872	Guscio	3840	3841	3881	3880	4	45.0		
3873	Guscio	3841	3842	3882	3881	4	45.0		
3874	Guscio	3842	3843	3883	3882	4	45.0		
3875	Guscio	3843	3844	3884	3883	4	45.0		
3876	Guscio	3844	3845	3885	3884	4	45.0		
3877	Guscio	3874	3875	3889	3888	4	45.0		
3878	Guscio	3875	3876	3890	3889	4	45.0		
3879	Guscio	3876	3877	3891	3890	4	45.0		
3880	Guscio	3877	3878	3892	3891	4	45.0		
3881	Guscio	3878	3879	3893	3892	4	45.0		
3882	Guscio	3879	3880	3894	3893	4	45.0		
3883	Guscio	3880	3881	3895	3894	4	45.0		
3884	Guscio	3881	3882	3896	3895	4	45.0		
3885	Guscio	3882	3883	3897	3896	4	45.0		
3886	Guscio	3883	3884	3898	3897	4	45.0		
3887	Guscio	3884	3885	3899	3898	4	45.0		
3888	Guscio	3888	3889	3930	3929	4	45.0		
3889	Guscio	3889	3890	3931	3930	4	45.0		
3890	Guscio	3890	3891	3932	3931	4	45.0		
3891	Guscio	3891	3892	3933	3932	4	45.0		
3892	Guscio	3892	3893	3934	3933	4	45.0		
3893	Guscio	3893	3894	3935	3934	4	45.0		
3894	Guscio	3894	3895	3936	3935	4	45.0		
3895	Guscio	3895	3896	3937	3936	4	45.0		
3896	Guscio	3896	3897	3938	3937	4	45.0		
3897	Guscio	3897	3898	3939	3938	4	45.0		
3898	Guscio	3898	3899	3940	3939	4	45.0		

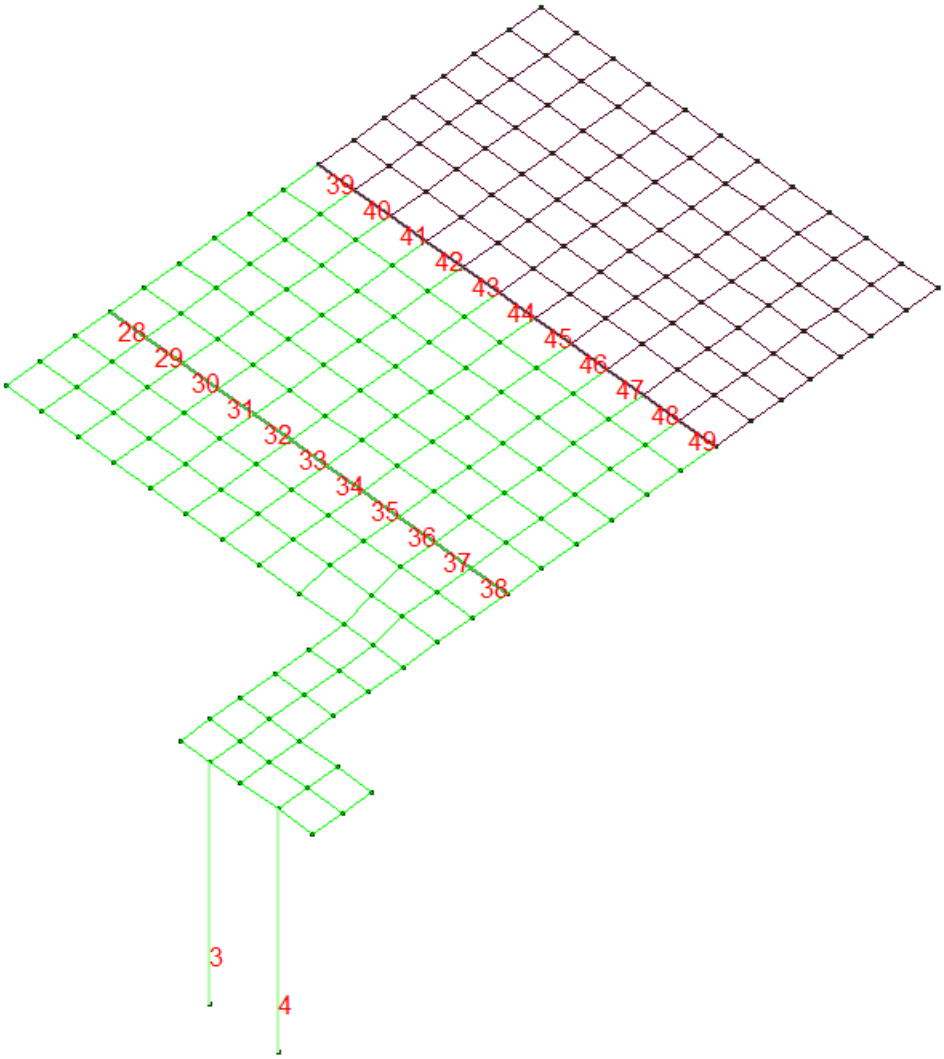
3.9.3.3 MODELLAZIONE STRUTTURA: ELEMENTI TRAVE

TABELLA DATI TRAVI

Elem.	Note	Nodo I	Nodo J	Mat.	Sez.	Rotaz. gradi	Svincolo I	Svincolo J	Wink V daN/cm3	Wink O daN/cm3
3	Pilas.	269	3406	4	4					
4	Pilas.	270	3408	4	4					
28	Trave	3578	3579	4	1					
29	Trave	3579	3580	4	1					
30	Trave	3580	3581	4	1					
31	Trave	3581	3582	4	1					
32	Trave	3582	3583	4	1					
33	Trave	3583	3584	4	1					
34	Trave	3584	3585	4	1					
35	Trave	3585	3586	4	1					
36	Trave	3586	3587	4	1					

Elem.	Note	Nodo I	Nodo J	Mat.	Sez.	Rotaz. gradi	Svincolo I	Svincolo J	Wink V daN/cm3	Wink O daN/cm3
37	Trave	3587	3588	4	1					
38	Trave	3588	3589	4	1					
39	Trave	3722	3723	4	1					
40	Trave	3723	3724	4	1					
41	Trave	3724	3725	4	1					
42	Trave	3725	3726	4	1					
43	Trave	3726	3727	4	1					
44	Trave	3727	3728	4	1					
45	Trave	3728	3729	4	1					
46	Trave	3729	3730	4	1					
47	Trave	3730	3731	4	1					
48	Trave	3731	3732	4	1					
49	Trave	3732	3733	4	1					

Numerazione elementi trave e pilastro



3.9.3.4 VERIFICHE ELEMENTI PARETE E GUSCIO IN C.A.

TABELLA VERIFICHE ELEMENTI GUSCIO IN C.A.

M_G	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
46	ok 3405	0.13	0.4	2.83e-02	7.7	7.7	7.7	7.7	59.9	-18.0	43.5	-2460.9	-550.7	215.6
46	ok 3406	0.14	0.9	9.17e-02	7.7	8.8	7.7	11.1	-364.0	189.9	10.2	3963.1	6577.1	712.3
46	ok 3407	0.13	0.7	7.70e-02	7.7	7.7	7.7	7.7	-309.6	74.8	-103.9	826.2	4627.4	726.9
46	ok 3408	0.15	0.9	6.45e-02	7.7	8.6	7.7	11.9	-296.4	31.2	-57.8	2815.9	8791.2	-823.0
46	ok 3409	0.13	0.6	3.49e-03	7.7	7.7	7.7	7.7	-1.3	19.3	-18.6	-303.3	4185.3	97.3
46	ok 3437	0.13	0.7	3.33e-02	7.7	9.0	7.7	9.0	-45.2	194.2	200.6	1555.6	279.5	1884.3
46	ok 3438	0.13	0.8	2.03e-02	7.7	8.5	7.7	8.5	23.7	237.2	81.7	-657.5	-2304.9	2624.0
46	ok 3439	0.13	0.7	3.04e-02	8.0	7.7	8.0	7.7	-65.4	213.8	-50.7	-1851.5	-2204.2	1323.8
46	ok 3440	0.13	0.5	4.22e-02	7.7	7.7	7.7	7.7	57.9	-57.0	-183.2	-1340.9	-3888.2	-390.7
46	ok 3441	0.13	0.4	6.74e-03	7.7	7.7	7.7	7.7	10.1	-14.6	-15.8	112.2	-2995.6	-281.1
46	ok 3446	0.14	0.7	3.98e-02	7.7	9.7	7.7	9.7	83.2	360.2	197.6	3393.2	312.3	651.2
46	ok 3447	0.14	0.8	6.90e-02	9.0	7.7	10.1	7.7	225.6	296.7	35.0	-1235.4	-3298.5	1315.9
46	ok 3448	0.20	0.9	3.63e-02	18.6	7.7	22.8	7.7	365.9	437.4	-34.1	-4819.3	-6921.5	1217.5
46	ok 3449	0.13	0.8	4.95e-02	7.7	7.7	7.7	7.7	182.1	-148.8	-21.9	-2064.2	-6410.3	-367.8
46	ok 3450	0.13	0.7	1.23e-02	7.7	7.7	7.7	7.7	19.0	-33.9	-1.8	549.7	-5008.4	31.5
46	ok 3476	0.15	0.8	5.88e-02	7.9	8.6	9.3	11.7	43.8	623.4	54.8	2481.2	814.5	148.4
46	ok 3477	0.15	0.8	6.08e-02	8.7	8.9	11.0	10.7	14.4	537.7	-149.2	-2234.5	-1931.6	-1108.5
46	ok 3478	0.15	0.9	4.72e-02	8.4	9.6	11.5	11.8	-77.9	548.6	-99.3	-1946.2	-2050.7	-591.9
46	ok 3491	0.17	0.9	9.98e-02	7.7	8.0	15.5	11.6	-52.0	-489.5	106.4	1544.3	2598.0	217.4
46	ok 3492	0.16	0.9	5.99e-02	8.4	8.5	14.8	11.6	65.4	701.0	10.2	-3121.1	-2622.5	-114.0
46	ok 3493	0.16	0.8	6.69e-02	8.4	9.4	13.9	12.9	-25.0	-273.9	70.5	1787.5	3856.3	-667.0
46	ok 3506	0.13	5.94e-02	4.42e-02	7.7	7.7	7.7	7.7	-35.1	-27.0	-20.6	137.2	-410.2	73.5
46	ok 3507	0.13	0.4	4.52e-02	7.7	7.7	7.7	7.7	-6.7	-13.4	-28.8	492.3	2931.4	524.0
46	ok 3508	0.13	0.9	4.43e-02	7.7	7.9	7.7	7.9	17.1	-1.3	-42.1	1191.4	6199.8	455.2
46	ok 3509	0.14	0.9	4.48e-02	7.7	7.7	7.7	10.2	26.3	-1.2	-40.1	1668.1	8440.2	354.9
46	ok 3510	0.15	1.0	4.48e-02	7.7	8.0	7.7	13.7	33.5	-13.8	-19.0	2218.0	1.118e+04	283.4
46	ok 3511	0.16	1.0	4.54e-02	7.7	7.8	7.7	16.1	39.2	-10.2	-14.8	2630.9	1.307e+04	190.0
46	ok 3512	0.16	1.0	4.63e-02	7.7	7.8	7.7	14.8	30.6	8.3	2.8	2387.6	1.189e+04	-120.2
46	ok 3513	0.15	1.0	4.44e-02	7.7	7.7	7.7	13.5	25.0	16.6	19.1	2157.0	1.085e+04	-60.8
46	ok 3514	0.15	1.0	4.32e-02	7.7	7.7	7.7	12.5	15.0	-51.6	43.2	1908.2	1.018e+04	-350.4
46	ok 3515	0.20	0.9	9.63e-02	7.8	10.9	22.8	17.6	23.5	214.7	2.6	1414.2	6161.4	-762.3
46	ok 3516	0.17	0.8	6.18e-02	9.1	9.7	18.0	11.6	87.9	610.4	1.1	-2789.6	-6331.5	36.5
46	ok 3517	0.22	0.9	4.17e-02	10.1	10.6	27.4	10.6	108.3	1149.8	-11.0	-796.8	-7152.1	981.9
46	ok 3530	0.13	0.4	4.94e-02	7.7	7.7	7.7	7.7	0.6	-21.6	-46.0	2622.9	373.2	723.6
46	ok 3531	0.13	0.5	5.19e-02	7.7	7.7	7.7	7.7	-1.8	-20.8	-46.8	-196.1	73.6	2397.1
46	ok 3532	0.13	0.4	4.60e-02	7.7	7.7	7.7	7.7	-2.3	-5.1	-34.4	-407.5	896.9	1650.2
46	ok 3533	0.13	0.3	4.69e-02	7.7	7.7	7.7	7.7	-16.1	1.2	-37.4	391.4	564.7	1384.7
46	ok 3534	0.13	0.7	5.31e-02	7.7	7.7	7.7	7.7	19.9	-20.8	-242.7	-1041.8	-719.4	1963.6
46	ok 3535	0.13	0.4	4.96e-02	7.7	7.7	7.7	7.7	15.1	-32.5	10.1	-812.2	3084.5	714.1
46	ok 3536	0.13	0.4	5.28e-02	7.7	7.7	7.7	7.7	-26.9	9.0	24.9	891.5	897.6	-947.0
46	ok 3537	0.13	0.3	4.40e-02	7.7	7.7	7.7	7.7	-33.7	18.5	14.1	1002.1	833.0	-87.4
46	ok 3538	0.13	0.4	4.92e-02	7.7	7.7	7.7	7.7	49.0	112.4	102.9	251.4	2568.4	-1006.5
46	ok 3539	0.14	0.7	9.22e-02	9.3	8.6	9.3	8.6	-47.5	-165.9	-83.0	-1288.6	-840.8	-2119.3
46	ok 3540	0.14	0.8	6.44e-02	10.4	7.7	10.4	8.0	-36.8	160.5	70.4	282.6	445.5	-2521.0
46	ok 3541	0.14	0.7	6.77e-02	8.7	9.7	8.7	9.7	-8.6	156.0	170.1	2580.4	409.9	-755.4
46	ok 3554	0.13	0.9	4.14e-02	7.7	8.4	7.7	7.7	30.3	-22.7	-36.5	6646.5	1699.6	740.4
46	ok 3555	0.13	0.5	4.38e-02	7.7	7.7	7.7	7.7	17.9	-26.6	-38.9	-1331.7	-575.1	1629.4
46	ok 3556	0.13	0.8	5.38e-02	8.7	7.7	8.7	7.7	-13.8	4.4	-56.0	-4817.5	-4491.7	428.0
46	ok 3557	0.13	0.7	4.56e-02	7.7	7.7	7.7	7.7	-43.6	11.7	-35.2	-791.2	-2599.3	1819.5
46	ok 3558	0.13	0.7	5.42e-02	7.7	7.7	7.7	7.7	-76.1	-21.5	-38.9	-1198.3	-4933.8	323.1
46	ok 3559	0.16	1.0	7.29e-02	13.9	7.7	14.7	7.7	-1.9	4.2	-114.2	-9719.4	-1.114e+04	-1011.2
46	ok 3560	0.13	0.7	4.49e-02	7.7	7.7	7.7	7.7	-43.7	9.6	16.8	-804.7	-4957.8	246.3
46	ok 3561	0.13	0.6	3.89e-02	7.7	7.7	7.7	7.7	-41.7	84.6	24.6	1296.4	-3610.8	-1138.8
46	ok 3562	0.16	0.9	6.95e-02	14.2	7.7	12.1	7.7	40.6	29.6	59.8	-1.089e+04	-9339.5	534.0
46	ok 3563	0.13	0.7	6.19e-02	8.9	7.7	8.9	7.7	-85.0	41.6	40.5	-1613.5	-3766.5	-960.4
46	ok 3564	0.14	0.7	7.79e-02	9.5	7.7	9.5	7.7	-48.9	84.3	53.3	-1382.0	-135.4	-2084.3
46	ok 3565	0.14	0.8	5.50e-02	7.7	10.2	7.7	9.4	8.1	87.6	100.7	7227.8	1910.8	-1066.5
46	ok 3578	0.13	0.6	5.39e-02	7.7	7.7	7.7	7.7	127.9	-98.0	-157.9	2014.0	-2533.7	-753.8
46	ok 3579	0.14	0.7	6.87e-02	9.4	7.7	9.4	7.7	49.9	-30.9	-201.9	-1528.3	-1874.1	1957.0
46	ok 3580	0.13	0.3	6.09e-02	7.7	7.7	7.7	7.7	-68.3	35.8	38.7	-1761.3	165.9	904.5
46	ok 3581	0.14	0.7	8.08e-02	9.5	7.7	9.5	7.7	-53.3	-2.9	69.1	-2255.3	-2698.3	-465.9
46	ok 3582	0.13	0.5	8.70e-02	7.7	7.7	7.7	7.7	-199.4	44.5	3.0	-2046.6	-1381.7	-1368.6
46	ok 3583	0.13	0.5	9.00e-02	7.7	7.7	7.7	7.7	-339.9	45.5	-92.0	-1462.2	2771.7	53.3
46	ok 3584	0.13	0.6	5.25e-02	7.7	7.7	7.7	7.7	-40.2	7.2	-1.8	-2646.1	-2860.9	721.7
46	ok 3585	0.13	0.7	4.51e-02	8.0	7.7	8.0	7.7	38.7	-22.4	-24.2	-2621.6	-3720.0	118.3
46	ok 3586	0.13	0.6	0.1	7.7	7.7	7.7	7.7	-523.2	40.1	116.8	-3313.9	1792.3	-1094.4
46	ok 3587	0.13	0.4	9.16e-02	7.7	7.7	7.7	7.7	-301.4	150.8	281.5	113.0	2188.3	-1794.2
46	ok 3588	0.15	0.8	8.70e-02	13.1	7.7	13.1	7.7	-14.0	42.2	351.4	-2163.6	-2241.4	-2771.5

M_G	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
46	ok 3589	0.13	0.7	6.58e-02	8.3	7.7	8.3	7.7	145.3	-64.9	243.8	2256.0	-3325.5	678.5
46	ok 3602	0.15	0.9	5.48e-02	7.7	13.0	7.7	11.9	58.7	-32.1	-200.0	8830.6	3611.4	51.3
46	ok 3603	0.13	0.5	6.52e-02	7.7	7.7	7.7	7.7	15.0	-27.7	-125.2	-1112.0	403.0	437.5
46	ok 3604	0.14	0.7	6.85e-02	7.7	9.8	7.7	9.8	20.9	-11.4	-203.6	4913.2	1673.6	64.5
46	ok 3605	0.13	0.4	6.38e-02	7.7	7.7	7.7	7.7	-17.6	-11.4	-130.0	-2067.9	-152.7	429.5
46	ok 3606	0.13	0.5	5.78e-02	7.7	7.7	7.7	7.7	-73.8	-6.7	-99.0	-2650.3	-1307.0	89.5
46	ok 3607	0.13	0.5	5.30e-02	7.7	7.7	7.7	7.7	-66.5	29.8	-90.9	-3618.4	-1039.7	-217.7
46	ok 3608	0.13	0.4	3.82e-02	7.7	7.7	7.7	7.7	-17.7	22.5	171.4	-2259.1	-513.3	-171.8
46	ok 3609	0.13	0.3	3.55e-02	7.7	7.7	7.7	7.7	-10.5	58.7	6.1	-1959.2	226.7	90.5
46	ok 3610	0.14	0.9	4.26e-02	9.3	7.7	8.4	7.7	-21.1	19.5	118.2	-7866.1	-2209.7	631.4
46	ok 3611	0.13	0.7	5.31e-02	7.8	7.7	7.8	7.7	-81.8	-5.8	123.7	-3062.2	-1810.6	-607.6
46	ok 3612	0.13	0.7	6.74e-02	7.7	7.7	7.7	7.7	-12.4	1.8	182.1	-1868.5	181.7	-707.7
46	ok 3613	0.16	0.9	6.25e-02	7.7	14.9	7.7	14.8	31.8	12.8	255.4	9841.1	4309.0	105.2
46	ok 3626	0.15	0.8	4.87e-02	7.7	12.9	7.7	10.7	97.6	-32.0	-153.0	7880.4	1718.9	196.7
46	ok 3627	0.13	0.3	5.93e-02	7.7	7.7	7.7	7.7	78.6	-102.1	-224.1	-346.6	-146.8	807.8
46	ok 3628	0.13	0.8	6.08e-02	7.7	8.2	7.7	8.2	-4.1	-76.6	-63.3	-5351.7	-970.9	419.8
46	ok 3629	0.13	0.3	5.36e-02	7.7	7.7	7.7	7.7	14.5	-39.4	-63.1	-1355.1	-401.3	306.9
46	ok 3630	0.13	0.5	4.65e-02	7.7	7.7	7.7	7.7	-24.8	-30.9	-58.6	-3407.6	-897.4	138.6
46	ok 3631	0.13	0.4	4.38e-02	7.7	7.7	7.7	7.7	-55.7	32.0	-191.9	-2496.6	-585.3	36.6
46	ok 3632	0.13	0.3	3.17e-02	7.7	7.7	7.7	7.7	-23.3	15.4	145.8	-2128.9	-512.5	-220.8
46	ok 3633	0.13	0.2	3.22e-02	7.7	7.7	7.7	7.7	-34.1	42.1	-107.6	-1209.9	-221.6	149.1
46	ok 3634	0.13	0.8	3.40e-02	7.7	7.7	7.7	7.7	-82.7	10.5	50.1	-6137.8	-1297.6	13.2
46	ok 3635	0.13	0.8	4.21e-02	7.7	7.7	7.7	7.7	-2.8	-57.6	81.2	-4441.4	-1135.7	-491.5
46	ok 3636	0.13	0.3	5.47e-02	7.7	7.7	7.7	7.7	64.8	-31.1	245.6	1768.1	320.8	-724.7
46	ok 3637	0.15	0.8	5.11e-02	7.7	13.9	7.7	11.9	92.9	-2.1	174.2	8246.0	1848.2	-250.9
46	ok 3650	0.16	0.9	5.02e-02	7.7	14.8	7.7	11.1	112.6	-64.9	-220.4	8901.2	1972.6	-232.9
46	ok 3651	0.13	0.5	6.10e-02	7.7	7.7	7.7	7.7	83.1	-157.7	-180.8	2220.8	431.2	776.9
46	ok 3652	0.13	0.9	6.06e-02	7.7	7.7	7.7	7.7	-1.1	-140.9	10.7	-6199.8	-1129.0	336.8
46	ok 3653	0.13	0.2	5.18e-02	7.7	7.7	7.7	7.7	24.4	-147.1	-152.1	-1346.8	-404.0	314.3
46	ok 3654	0.13	0.5	3.89e-02	7.7	7.7	7.7	7.7	-37.4	-65.3	-121.2	-3543.2	-806.9	268.8
46	ok 3655	0.13	0.4	3.52e-02	7.7	7.7	7.7	7.7	-80.0	29.8	-113.0	-2764.4	-605.2	88.7
46	ok 3656	0.13	0.3	3.04e-02	7.7	7.7	7.7	7.7	-39.3	-2.1	123.0	-2215.6	-441.4	-166.3
46	ok 3657	0.13	0.2	3.18e-02	7.7	7.7	7.7	7.7	-40.3	36.7	-109.2	-1225.8	-192.3	114.9
46	ok 3658	0.13	0.8	3.35e-02	7.7	7.7	7.7	7.7	-85.8	-5.5	-8.5	-6790.7	-1394.6	-41.8
46	ok 3659	0.13	0.8	4.43e-02	7.7	7.7	7.7	7.7	4.0	-103.9	17.4	-4723.3	-1035.8	-508.5
46	ok 3660	0.13	0.5	6.13e-02	7.7	7.7	7.7	7.7	76.2	-77.0	194.7	2809.8	575.9	-597.8
46	ok 3661	0.16	0.9	5.21e-02	7.7	15.0	7.7	11.8	112.2	-34.4	237.3	9048.0	2031.9	261.8
46	ok 3674	0.17	0.9	6.60e-02	7.7	16.9	7.7	11.1	75.6	-157.7	-218.9	1.149e+04	2556.4	-574.6
46	ok 3675	0.13	0.7	7.61e-02	7.7	7.7	7.7	7.7	42.0	-269.3	-136.9	3445.7	1793.5	983.4
46	ok 3676	0.13	0.9	6.32e-02	8.5	7.7	7.7	7.7	-26.3	-214.2	99.7	-7406.2	-1298.5	219.1
46	ok 3677	0.13	0.2	4.72e-02	7.7	7.7	7.7	7.7	-18.9	-132.6	34.5	-1488.8	-305.9	50.0
46	ok 3678	0.13	0.5	3.72e-02	7.7	7.7	7.7	7.7	-88.8	-77.0	-73.1	-3771.9	-1121.1	373.4
46	ok 3679	0.13	0.4	3.43e-02	7.7	7.7	7.7	7.7	-123.7	25.4	-75.1	-3181.0	-704.1	139.3
46	ok 3680	0.13	0.3	3.12e-02	7.7	7.7	7.7	7.7	-68.8	-2.5	102.2	-2379.0	-576.7	-34.2
46	ok 3681	0.13	0.2	3.38e-02	7.7	7.7	7.7	7.7	-60.7	37.1	-117.1	-1396.2	-393.6	-22.2
46	ok 3682	0.13	0.9	4.75e-02	8.0	7.7	8.0	7.7	-97.2	-113.5	-45.9	-7940.1	-1689.0	-139.1
46	ok 3683	0.13	0.8	5.14e-02	7.7	7.7	7.7	7.7	-37.5	-238.5	9.7	-5817.2	-1448.6	-651.5
46	ok 3684	0.13	0.6	7.10e-02	7.7	7.7	7.7	7.7	30.9	-214.3	153.7	4204.6	2211.6	-728.5
46	ok 3685	0.16	0.9	6.26e-02	7.7	16.2	7.7	11.2	77.4	-118.6	218.5	1.097e+04	2557.2	552.2
46	ok 3698	0.20	1.0	9.42e-02	7.7	23.1	7.7	10.3	57.6	-318.5	-208.5	1.752e+04	5224.8	1715.9
46	ok 3699	0.13	0.9	0.1	9.3	7.7	9.2	7.7	44.5	-391.0	-46.7	5410.3	2696.1	793.1
46	ok 3700	0.14	0.9	9.18e-02	11.5	7.7	9.6	7.7	-70.8	-286.1	244.1	-9732.1	-3501.5	799.0
46	ok 3701	0.13	0.3	5.55e-02	7.7	7.7	7.7	7.7	-144.2	-139.1	122.6	-2004.2	305.3	-20.5
46	ok 3702	0.13	0.4	4.85e-02	7.7	7.7	7.7	7.7	-200.7	-72.7	-40.9	-3527.2	-1207.8	417.2
46	ok 3703	0.13	0.6	4.56e-02	7.7	7.7	7.7	7.7	-170.6	9.4	-42.2	-4869.8	-1280.6	681.1
46	ok 3704	0.13	0.3	3.49e-02	7.7	7.7	7.7	7.7	-86.5	-2.6	83.0	-2516.5	-681.6	-17.3
46	ok 3705	0.13	0.3	3.79e-02	7.7	7.7	7.7	7.7	-89.3	17.2	9.5	-2163.7	701.0	-224.9
46	ok 3706	0.16	1.0	7.50e-02	15.4	7.7	9.5	7.7	-78.8	-101.9	-205.4	-1.307e+04	-4100.1	-1021.7
46	ok 3707	0.13	0.5	7.30e-02	7.7	7.7	7.7	7.7	-182.6	-287.5	-57.9	-4854.1	-1687.6	-396.3
46	ok 3708	0.13	0.9	9.11e-02	9.0	7.7	9.0	7.7	2.7	-306.8	44.7	5731.2	3361.6	-695.0
46	ok 3709	0.19	1.0	8.47e-02	7.7	21.1	7.7	9.4	46.4	-279.4	173.0	1.626e+04	5049.3	-2150.4
46	ok 3722	0.14	0.8	0.2	7.7	11.0	7.7	7.7	280.5	-686.5	-269.9	5170.7	1195.3	3617.5
46	ok 3723	0.13	0.8	0.2	8.0	7.7	8.0	7.7	119.5	-595.6	158.3	-1342.0	-1256.8	-2958.1
46	ok 3724	0.13	0.3	0.1	7.7	7.7	7.7	7.7	-369.8	-356.3	319.4	-3352.5	1970.6	773.4
46	ok 3725	0.13	0.4	8.03e-02	7.7	7.7	7.7	7.7	-255.7	-74.7	181.1	-2132.3	-454.3	-1325.9
46	ok 3726	0.13	0.2	9.38e-02	7.7	7.7	7.7	7.7	-342.1	23.1	125.6	-1728.7	1162.8	-462.8
46	ok 3727	0.13	0.3	0.1	7.7	7.7	7.7	7.7	-486.9	-30.9	-120.8	-2805.7	-230.0	882.8
46	ok 3728	0.13	0.2	3.54e-02	7.7	7.7	7.7	7.7	-67.7	8.6	-62.9	-1883.2	-1269.5	-324.4
46	ok 3729	0.13	0.6	3.46e-02	7.7	7.7	7.7	7.7	8.9	-74.5	-42.5	-2566.8	-2673.7	1457.7
46	ok 3730	0.13	0.4	0.2	7.7	7.7	7.7	7.7	-919.4	-179.2	10.4	-6388.9	632.6	-1979.3
46	ok 3731	0.13	0.6	0.2	7.7	7.7	7.7	7.7	-582.4	-15.4	-392.0	321.8	4440.7	2704.9

M_G	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
46	ok 3732	0.13	0.8	0.1	8.8	7.7	8.8	7.7	80.9	-475.4	-216.4	-1367.0	-1650.6	2807.4
46	ok 3733	0.14	0.8	0.2	7.7	10.5	7.7	7.7	286.5	-648.3	189.9	4730.8	1091.0	-3322.1

M_G	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
								-919.45	-686.54	-392.00	-1.307e+04	-1.114e+04	-3322.12
	0.22	0.98	0.21	18.56	23.07	27.40	17.59	365.92	1149.78	351.41	1.752e+04	1.307e+04	3617.52

L’armatura della soletta sp. 30 cm è costituita da una maglia base di 1ϕ14/20/20 inf / sup a cui si aggiungono ferri alternati con sezione variabile ove necessario.

M_G	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy	
										daN/cm	daN/cm	daN/cm	daN	daN	daN
48	ok 3722	0.12	0.9	0.2	10.1	21.3	10.1	21.2	323.5	-985.0	-486.7	1.523e+04	1196.8	-7134.8
48	ok 3723	0.09	0.8	0.1	10.2	10.1	10.2	10.1	260.8	-664.0	-306.9	-324.1	4746.9	9600.6
48	ok 3724	0.09	0.4	9.64e-02	10.1	10.1	10.1	10.1	-402.1	-417.5	-218.4	-4620.3	2801.2	681.4
48	ok 3725	0.09	0.3	8.55e-02	10.1	10.1	10.1	10.1	-381.4	-70.3	-65.3	-5385.9	-102.6	1143.4
48	ok 3726	0.09	0.3	9.91e-02	10.1	10.1	10.1	10.1	-667.5	2.3	-146.5	-5288.8	1854.4	1142.6
48	ok 3727	0.09	0.5	0.1	10.1	10.1	10.1	10.1	-610.6	-9.4	159.3	-9474.4	-1118.5	-2176.9
48	ok 3728	0.09	0.3	3.13e-02	10.1	10.1	10.1	10.1	-100.0	3.0	-13.3	-5368.3	-2063.0	168.6
48	ok 3729	0.09	0.5	2.17e-02	10.1	10.1	10.1	10.1	23.7	-48.1	-31.6	-6213.3	-4535.2	-1689.8
48	ok 3730	0.09	0.8	0.2	10.1	10.1	10.1	10.1	-1378.1	-255.7	-312.1	-1.862e+04	-973.1	6170.8
48	ok 3731	0.09	0.5	0.2	10.1	10.1	10.1	10.1	-881.1	-43.7	213.1	-3487.3	7307.8	-5318.6
48	ok 3732	0.09	0.8	0.1	11.3	10.1	11.3	10.1	-28.4	-494.1	321.6	-4173.5	3780.3	-8645.1
48	ok 3733	0.12	0.9	0.2	10.1	19.9	10.1	19.9	336.9	-863.7	502.4	1.351e+04	832.6	5452.8
48	ok 3746	0.16	1.0	0.5	10.1	33.6	10.1	21.0	-477.9	-1957.2	-558.9	4.678e+04	3.159e+04	-231.7
48	ok 3747	0.11	1.0	0.1	18.4	12.6	16.5	12.6	-677.2	-112.1	-265.3	1.373e+04	1.208e+04	-5401.0
48	ok 3748	0.09	0.8	9.13e-02	10.1	10.1	10.1	10.1	-315.1	-357.3	-45.8	-1.640e+04	-3202.0	-2009.0
48	ok 3749	0.09	0.4	6.77e-02	10.1	10.1	10.1	10.1	-107.2	-37.9	171.3	-4773.3	-954.4	-1677.9
48	ok 3750	0.09	0.5	5.88e-02	10.1	10.1	10.1	10.1	-328.8	-81.2	-136.6	-9273.0	-2678.8	-1167.5
48	ok 3751	0.09	0.8	5.04e-02	10.1	10.1	10.1	10.1	-248.4	-20.9	-117.0	-1.371e+04	-3247.7	-971.0
48	ok 3752	0.09	0.4	3.02e-02	10.1	10.1	10.1	10.1	-71.2	22.8	69.8	-6395.4	-1170.7	-860.1
48	ok 3753	0.09	0.5	3.13e-02	10.1	10.1	10.1	10.1	-38.1	52.7	-157.6	-4630.5	-996.9	554.7
48	ok 3754	0.13	1.0	7.78e-02	23.4	10.1	11.5	10.1	-214.6	-191.5	-5.3	-3.379e+04	-8293.6	1735.1
48	ok 3755	0.09	0.6	8.78e-02	10.1	10.1	10.1	10.1	-467.9	-277.9	-117.2	-1.079e+04	-2986.8	2432.7
48	ok 3756	0.11	1.0	0.1	18.7	11.6	16.9	11.6	-689.3	-29.5	209.3	1.353e+04	1.127e+04	4467.8
48	ok 3757	0.15	1.0	0.4	12.8	31.3	12.8	21.6	-427.6	-1692.6	494.3	4.340e+04	2.997e+04	1093.8
48	ok 3770	0.11	0.9	0.2	18.1	12.5	18.1	12.5	83.6	-1147.6	549.1	1.169e+04	2933.9	-748.4
48	ok 3771	0.09	0.8	0.1	10.1	10.1	10.1	10.1	-179.1	-835.9	-417.4	4972.1	7672.6	-6229.3
48	ok 3772	0.09	0.6	7.70e-02	10.1	10.1	10.1	10.1	-243.1	-295.5	-28.6	-7008.6	3627.1	-2152.7
48	ok 3773	0.09	0.5	5.64e-02	10.1	10.1	10.1	10.1	-165.6	-158.4	-20.8	-6241.5	-1135.8	-3544.9
48	ok 3774	0.09	0.5	4.60e-02	10.1	10.1	10.1	10.1	-159.6	-108.0	-165.4	-7799.7	-4654.4	-990.5
48	ok 3775	0.09	0.7	3.62e-02	10.1	10.1	10.1	10.1	-127.9	24.8	42.7	-1.077e+04	-3399.3	902.1
48	ok 3776	0.09	0.4	3.11e-02	10.1	10.1	10.1	10.1	-34.5	-30.8	104.9	-5062.6	-3257.6	-641.6
48	ok 3777	0.09	0.4	3.01e-02	10.1	10.1	10.1	10.1	-3.3	13.4	-151.8	-3286.9	-2206.1	1649.1
48	ok 3778	0.10	1.0	5.62e-02	12.3	10.1	10.3	10.1	-266.2	-113.9	-51.3	-2.082e+04	-4692.3	945.0
48	ok 3779	0.09	0.8	6.70e-02	10.1	10.1	10.1	10.1	-233.4	-302.6	-74.7	-1.077e+04	-2888.3	4373.1
48	ok 3780	0.09	0.7	0.1	10.1	10.1	10.1	10.1	-167.0	-713.1	299.6	4737.4	6019.9	6567.2
48	ok 3781	0.12	0.9	0.2	20.0	12.8	20.0	12.8	88.7	-953.4	-562.8	1.167e+04	2606.2	1265.3
48	ok 3794	0.10	0.8	0.1	10.1	12.4	10.1	12.4	103.4	-425.1	609.1	9031.3	1477.4	-1116.6
48	ok 3795	0.09	0.4	8.81e-02	10.1	10.1	10.1	10.1	-23.9	-433.7	113.1	-1471.6	-989.5	-2200.9
48	ok 3796	0.09	0.6	6.41e-02	10.1	10.1	10.1	10.1	-75.7	-261.4	-23.3	-6659.4	-1512.9	-4515.1
48	ok 3797	0.09	0.6	5.31e-02	10.1	10.1	10.1	10.1	-125.2	-175.0	-219.8	-4418.6	-2985.7	-5993.0
48	ok 3798	0.09	0.4	4.60e-02	10.1	10.1	10.1	10.1	31.0	-95.9	-47.0	-3410.6	-2824.1	-2908.2
48	ok 3799	0.10	0.9	5.82e-02	12.4	10.1	10.5	10.1	139.9	-80.5	78.1	-1.352e+04	-1.033e+04	910.6
48	ok 3800	0.09	0.2	2.81e-02	10.1	10.1	10.1	10.1	70.9	-43.3	-54.5	-1375.8	-1439.1	1409.5
48	ok 3801	0.09	0.3	3.08e-02	10.1	10.1	10.1	10.1	-34.5	-37.9	147.4	2762.1	313.0	2066.4
48	ok 3802	0.09	1.0	5.67e-02	11.1	10.1	10.4	10.1	-8.0	-136.1	-97.8	-1.451e+04	-5433.6	400.4
48	ok 3803	0.09	0.8	5.76e-02	10.1	10.1	10.1	10.1	-61.3	-275.2	-66.9	-9521.4	-2363.2	5082.1
48	ok 3804	0.09	0.6	8.38e-02	10.1	10.1	10.1	10.1	1.9	-385.5	-197.6	-2021.0	-1362.7	4203.8
48	ok 3805	0.10	0.8	0.1	10.1	12.3	10.1	12.3	100.7	-325.1	-616.3	9024.0	1270.7	1831.2
48	ok 3834	0.09	0.8	6.85e-02	10.1	11.1	10.1	11.1	92.0	3.0	517.4	7010.2	213.8	-1409.3
48	ok 3835	0.09	0.6	5.70e-02	10.1	10.1	10.1	10.1	90.2	-259.5	253.0	-1653.1	-2546.6	-3641.1
48	ok 3836	0.09	1.0	5.56e-02	11.5	10.1	11.5	10.1	-75.2	-135.0	-52.7	-1.217e+04	-8706.9	-4262.6
48	ok 3837	0.09	0.4	5.61e-02	10.1	10.1	10.1	10.1	85.2	-120.9	-146.3	-996.4	2480.5	-3128.5
48	ok 3838	0.09	0.7	4.85e-02	10.1	10.1	10.1	10.1	241.8	-127.5	-149.0	954.4	8074.8	-2628.7
48	ok 3839	0.09	0.8	4.05e-02	10.1	10.1	10.1	10.1	393.1	-197.6	-116.8	195.1	1.312e+04	-662.9
48	ok 3840	0.09	0.5	2.85e-02	10.1	10.1	10.1	10.1	295.3	-92.7	-0.6	602.8	6969.8	1676.8
48	ok 3841	0.09	0.4	3.64e-02	10.1	10.1	10.1	10.1	210.5	-82.4	-118.8	688.6	5392.5	808.0

M_G	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy	
										daN/cm	daN/cm	daN/cm	daN	daN	daN
48	ok	3842	0.09	0.5	4.52e-02	10.1	10.1	10.1	10.1	134.9	-144.4	68.0	1914.9	7203.4	1973.7
48	ok	3843	0.09	0.9	4.93e-02	10.4	10.1	10.4	10.1	4.7	-172.7	-67.7	-1.079e+04	-2607.4	4094.7
48	ok	3844	0.09	0.7	5.89e-02	10.1	10.1	10.1	10.1	115.6	-236.5	-294.0	-2320.0	-1504.3	4729.3
48	ok	3845	0.09	0.8	6.77e-02	10.1	10.3	10.1	10.3	82.4	26.2	-516.7	6561.4	178.6	2090.6
48	ok	3874	0.09	0.4	4.28e-02	10.1	10.1	10.1	10.1	55.5	136.4	368.4	4547.9	-619.5	-1808.2
48	ok	3875	0.09	0.8	4.50e-02	10.6	10.1	10.6	10.1	110.2	-85.4	315.5	-2722.4	-2925.3	-4230.0
48	ok	3876	0.09	0.8	3.10e-02	10.5	10.1	10.5	10.1	160.4	-106.1	180.7	-6499.1	-2057.3	-2653.0
48	ok	3877	0.09	0.3	1.74e-02	10.1	10.1	10.1	10.1	226.7	-64.3	115.1	-3396.8	-2313.1	450.0
48	ok	3878	0.09	0.1	1.29e-02	10.1	10.1	10.1	10.1	223.0	-65.0	30.5	-839.4	-391.6	-732.2
48	ok	3879	0.09	0.2	1.83e-02	10.1	10.1	10.1	10.1	287.2	-81.7	-13.9	-1492.6	606.9	-339.4
48	ok	3880	0.09	0.1	9.33e-03	10.1	10.1	10.1	10.1	351.9	-50.6	-18.9	-630.3	728.0	504.2
48	ok	3881	0.09	0.1	8.63e-03	10.1	10.1	10.1	10.1	304.3	-43.1	-66.9	-763.8	272.6	576.6
48	ok	3882	0.09	0.3	1.72e-02	10.1	10.1	10.1	10.1	247.7	-67.8	-110.6	-2427.0	-1493.9	-299.6
48	ok	3883	0.09	0.8	3.22e-02	10.1	10.1	10.1	10.1	193.7	-111.2	-187.2	-5804.5	-962.4	2209.6
48	ok	3884	0.09	0.8	4.44e-02	10.4	10.1	10.4	10.1	132.7	-77.9	-315.3	-2872.1	-1627.1	4000.3
48	ok	3885	0.09	0.3	4.31e-02	10.1	10.1	10.1	10.1	48.7	126.6	-362.1	4021.6	-507.3	2046.0
48	ok	3888	0.09	0.2	2.71e-02	10.1	10.1	10.1	10.1	45.7	33.1	230.2	2541.4	-315.0	-2319.5
48	ok	3889	0.09	0.7	2.42e-02	10.1	10.1	10.1	10.1	192.2	3.4	206.3	-1666.6	-1284.5	-4690.3
48	ok	3890	0.09	0.6	1.20e-02	10.1	10.1	10.1	10.1	325.6	-37.5	132.9	-2740.6	-1471.8	-2492.8
48	ok	3891	0.09	0.4	6.02e-03	10.1	10.1	10.1	10.1	411.0	-24.3	65.5	-2426.9	-1569.4	-633.2
48	ok	3892	0.09	0.3	5.63e-03	10.1	10.1	10.1	10.1	457.9	-23.5	11.3	-1399.2	-1561.9	-290.5
48	ok	3893	0.09	0.1	4.95e-03	10.1	10.1	10.1	10.1	356.2	-8.9	-20.7	-692.5	-537.3	-116.0
48	ok	3894	0.09	0.2	4.46e-03	10.1	10.1	10.1	10.1	481.4	-14.1	7.6	-1150.4	-1254.6	275.5
48	ok	3895	0.09	0.2	2.73e-03	10.1	10.1	10.1	10.1	330.7	0.8	-2.0	-1108.6	-1734.4	195.1
48	ok	3896	0.09	0.4	5.88e-03	10.1	10.1	10.1	10.1	415.5	-22.9	-70.7	-2143.5	-1437.3	570.1
48	ok	3897	0.09	0.5	1.17e-02	10.1	10.1	10.1	10.1	329.8	-33.9	-130.8	-2385.1	-1059.9	2185.0
48	ok	3898	0.09	0.7	2.48e-02	10.1	10.1	10.1	10.1	189.9	4.3	-199.5	-1651.2	-1062.2	4326.0
48	ok	3899	0.09	0.2	2.70e-02	10.1	10.1	10.1	10.1	43.1	25.9	-224.9	2285.0	-291.1	2209.1
48	ok	3929	0.09	0.1	2.76e-03	10.1	10.1	10.1	10.1	31.4	16.7	13.6	784.1	28.2	-940.2
48	ok	3930	0.09	0.3	1.06e-03	10.1	10.1	10.1	10.1	316.8	25.3	49.4	-825.7	384.1	-2404.5
48	ok	3931	0.09	0.3	1.08e-03	10.1	10.1	10.1	10.1	510.0	11.6	14.7	-932.0	233.3	-1333.0
48	ok	3932	0.09	0.4	6.56e-04	10.1	10.1	10.1	10.1	606.5	11.8	-0.5	-838.6	219.3	-529.4
48	ok	3933	0.09	0.5	1.40e-03	10.1	10.1	10.1	10.1	627.7	4.5	-13.3	-755.9	22.8	-70.5
48	ok	3934	0.09	6.91e-02	0.0	10.1	10.1	10.1	10.1	574.2	18.4	4.1	-180.5	-136.7	110.7
48	ok	3935	0.09	0.6	1.33e-03	10.1	10.1	10.1	10.1	640.9	5.4	14.3	-706.6	-51.1	48.9
48	ok	3936	0.09	0.6	5.99e-04	10.1	10.1	10.1	10.1	494.4	13.7	15.0	-608.2	102.1	117.5
48	ok	3937	0.09	0.4	7.53e-04	10.1	10.1	10.1	10.1	598.2	11.0	1.0	-793.9	121.1	497.5
48	ok	3938	0.09	0.3	1.54e-03	10.1	10.1	10.1	10.1	491.5	6.5	-12.9	-890.8	-26.3	1209.2
48	ok	3939	0.09	0.3	1.85e-03	10.1	10.1	10.1	10.1	309.1	24.6	-45.2	-837.6	285.8	2193.7
48	ok	3940	0.09	0.1	2.77e-03	10.1	10.1	10.1	10.1	31.6	14.6	-12.4	739.2	7.7	868.4

M_G	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
								-1378.06	-1957.21	-616.26	-3.379e+04	-1.033e+04	-8645.15
	0.16	0.99	0.46	23.42	33.56	19.98	21.65	640.88	136.41	609.12	4.678e+04	3.159e+04	9600.61

L’armatura della soletta sp. 45 cm è costituita da una maglia base di 1ϕ16/20/20 inf / sup a cui si aggiungono ferri alternati con sezione variabile ove necessario.

3.9.3.5 VERIFICHE ELEMENTI TRAVE C.A.

TABELLA VERIFICHE ELEMENTI TRAVE C.A.

Pilas.	Note	Stato	Quota cm	%Af	M_P= 3 r. snell.	X=1059.0 Armat. long.	Y=90.0 verif.	ver.sis	Staffe L=cm	v V/T cls	v V/T acc	Rif. cmb
3	s=4,m=4	ok,ok	200.0	1.05	0.85	4d20 0+6 d20	0.26	0.292+4d10/8	L=120	0.08	0.03	25,48,32,32
			550.0	1.05	0.85	4d20 0+6 d20	0.13	0.292+4d10/20	L=460	0.08	0.08	46,48,32,32
	[b=1.0;1.0]		900.0	1.05	0.85	4d20 0+6 d20	0.32	0.282+4d10/8	L=120	0.08	0.03	24,48,32,32
Pilas.	Note	Stato	Quota	%Af	M_P= 4 r. snell.	X=1254.0 Armat. long.	Y=90.0 verif.	ver.sis	Staffe	v V/T cls	v V/T acc	Rif. cmb
4	s=4,m=4	ok,ok	200.0	1.05	0.69	4d20 0+6 d20	0.34	0.182+4d10/8	L=120	0.10	0.04	24,32,32,32
			550.0	1.05	0.69	4d20 0+6 d20	0.08	0.172+4d10/20	L=460	0.10	0.10	32,32,32,32
	[b=1.0;1.0]		900.0	1.05	0.69	4d20 0+6 d20	0.36	0.172+4d10/8	L=120	0.10	0.04	24,32,32,32

Pilas.	%Af	r. snell.	verif.	ver.sis	v V/T cls	v V/T acc
	1.05	0.85	0.36	0.29	0.10	0.10

L'armatura tipica dei pilastri è costituita 10ϕ20 longitudinali e staffe 2ϕ10/10 per 1,20 m agli estremi dell'elemento e staffe 2ϕ10/20 nel tratto centrale.

Trave	Note	Pos. cm	%Af	Af inf.	Af. sup	Af long.	M_T= 4 x/d	Z=900.0 V N/M	N=3578 V V/T cls	N=3589 V V/T acc	Staffe L=cm	Rif. cmb
28	ok,ok	0.0	0.36	18.8	18.8	0.0	0.06	0.13	0.18	0.33	2d10/25 L=104	18,18,18
	s=1,m=4	104.0	0.36	18.8	18.8	0.0	0.06	0.12	0.17	0.31	2d10/25 L=104	28,18,18
29	ok,ok	0.0	0.36	18.8	18.8	0.0	0.06	0.10	0.23	0.32	2d10/25 L=104	28,18,18
	s=1,m=4	104.0	0.36	18.8	18.8	0.0	0.06	0.28	0.22	0.29	2d10/25 L=104	28,18,18
30	ok,ok	0.0	0.36	18.8	18.8	0.0	0.06	0.24	0.27	0.39	2d10/25 L=104	28,18,18
	s=1,m=4	104.0	0.36	18.8	18.8	0.0	0.06	0.51	0.26	0.36	2d10/25 L=104	18,34,18
31	ok,ok	0.0	0.36	18.8	18.8	0.0	0.06	0.67	0.26	0.37	2d10/25 L=104	18,30,18
	s=1,m=4	104.0	0.42	22.0	18.8	0.0	0.07	0.84	0.25	0.34	2d10/25 L=104	18,30,18
32	ok,ok	0.0	0.48	25.1	18.8	0.0	0.07	0.82	0.14	0.22	2d10/25 L=104	18,29,15
	s=1,m=4	104.0	0.54	28.3	18.8	0.0	0.08	0.82	0.13	0.20	2d10/25 L=104	18,29,15
33	ok,ok	0.0	0.48	25.1	18.8	0.0	0.07	0.78	0.08	0.12	2d10/25 L=104	18,31,31
	s=1,m=4	104.0	0.48	25.1	18.8	0.0	0.07	0.68	0.09	0.14	2d10/25 L=104	18,31,31
34	ok,ok	0.0	0.42	22.0	18.8	0.0	0.07	0.85	0.13	0.19	2d10/25 L=104	18,31,31
	s=1,m=4	104.0	0.42	22.0	18.8	0.0	0.07	0.62	0.14	0.21	2d10/25 L=104	18,31,31
35	ok,ok	0.0	0.36	18.8	18.8	0.0	0.06	0.79	0.14	0.17	2d10/25 L=104	18,28,32
	s=1,m=4	104.0	0.36	18.8	18.8	0.0	0.06	0.48	0.15	0.19	2d10/25 L=104	33,28,32
36	ok,ok	0.0	0.54	28.3	18.8	0.0	0.08	0.80	0.19	0.35	2d10/25 L=104	18,18,18
	s=1,m=4	104.0	0.42	22.0	18.8	0.0	0.07	0.83	0.20	0.37	2d10/25 L=104	18,18,18
37	ok,ok	0.0	0.36	18.8	18.8	0.0	0.06	0.90	0.34	0.56	2d10/25 L=104	18,18,18
	s=1,m=4	104.0	0.36	18.8	18.8	0.0	0.06	0.22	0.35	0.59	2d10/25 L=104	34,18,18
38	ok,ok	0.0	0.36	18.8	18.8	0.0	0.06	0.22	0.33	0.50	2d10/25 L=104	34,18,18
	s=1,m=4	104.0	0.36	18.8	18.8	0.0	0.06	0.18	0.35	0.53	2d10/25 L=104	18,18,18

Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	M_T= 5 x/d	Z=900.0 V N/M	N=3722 V V/T cls	N=3733 V V/T acc	Staffe	Rif. cmb
39	ok,ok	0.0	0.36	18.8	18.8	0.0	0.06	0.35	0.37	0.64	2d10/25 L=104	30,18,18
	s=1,m=4	104.0	0.36	18.8	18.8	0.0	0.06	0.63	0.35	0.61	2d10/25 L=104	31,18,18
40	ok,ok	0.0	0.36	18.8	18.8	0.0	0.06	0.86	0.48	0.88	2d10/25 L=104	31,34,29
	s=1,m=4	104.0	0.42	22.0	18.8	0.0	0.07	0.87	0.47	0.86	2d10/25 L=104	31,34,29
41	ok,ok	0.0	0.48	25.1	18.8	0.0	0.07	0.71	0.20	0.37	2d10/25 L=104	31,30,30
	s=1,m=4	104.0	0.54	28.3	18.8	0.0	0.08	0.77	0.19	0.35	2d10/25 L=104	18,30,30
42	ok,ok	0.0	0.60	31.4	18.8	0.0	0.09	0.75	0.17	0.34	2d10/25 L=104	18,30,30
	s=1,m=4	104.0	0.66	34.6	18.8	0.0	0.09	0.79	0.16	0.32	2d10/25 L=104	18,30,30
43	ok,ok	0.0	0.66	34.6	18.8	0.0	0.09	0.90	0.09	0.16	2d10/25 L=104	18,30,30
	s=1,m=4	104.0	0.72	37.7	18.8	0.0	0.10	0.81	0.09	0.14	2d10/25 L=104	18,30,30
44	ok,ok	0.0	0.60	31.4	18.8	0.0	0.09	0.80	0.07	0.09	2d10/25 L=104	18,31,31
	s=1,m=4	104.0	0.60	31.4	18.8	0.0	0.09	0.73	0.08	0.11	2d10/25 L=104	18,31,16
45	ok,ok	0.0	0.54	28.3	18.8	0.0	0.08	0.88	0.07	0.12	2d10/25 L=104	18,31,31
	s=1,m=4	104.0	0.54	28.3	18.8	0.0	0.08	0.76	0.08	0.14	2d10/25 L=104	18,31,31

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
46	ok,ok	0.0	0.54	28.3	18.8	0.0	0.08	0.72	0.09	0.07	2d10/25 L=104	18,34,34
	s=1,m=4	104.0	0.54	28.3	18.8	0.0	0.08	0.71	0.08	0.05	2d10/25 L=104	18,34,34
47	ok,ok	0.0	0.91	47.1	18.8	0.0	0.15	0.85	0.37	0.75	2d10/25 L=104	18,31,31
	s=1,m=4	104.0	0.72	37.7	18.8	0.0	0.10	0.86	0.38	0.77	2d10/25 L=104	18,31,31
48	ok,ok	0.0	0.66	34.6	18.8	0.0	0.09	0.82	0.56	0.90	2d10/20 L=104	18,31,31
	s=1,m=4	104.0	0.54	28.3	18.8	0.0	0.08	0.70	0.57	0.91	2d10/20 L=104	34,31,31
49	ok,ok	0.0	0.42	22.0	18.8	0.0	0.07	0.92	0.42	0.77	2d10/25 L=104	34,18,18
	s=1,m=4	104.0	0.36	18.8	18.8	0.0	0.06	0.50	0.43	0.80	2d10/25 L=104	34,18,18

Trave	**%Af**	**Af inf.**	**Af. sup**	**Af long.**	**x/d**	**V N/M**	**V V/T cls**	**V V/T acc**
	0.91	47.12	18.85	0.0	0.15	0.92	0.57	0.91

L'armatura tipica delle travi trasversali è costituita 6ϕ20 inf / sup e staffe 1ϕ10/20, a cui si aggiungono ferri longitudinali dove necessario.

3.9.3.6 STATI LIMITE D' ESERCIZIO

TABELLA STATI LIMITE D' ESERCIZIO

Pilas.	**Pos.**	**rRfck**	**rRfyk**	**rPfck**	**Rif. cmb**	**Pos.**	**rRfck**	**rRfyk**	**rPfck**	**Rif. cmb**
	cm					cm				
3	0.0	0.15	0.11	0.0	91,91,0	350.0	0.10	0.08	0.0	91,91,0
	700.0	0.17	0.12	0.0	91,91,0					
4	0.0	0.13	0.08	0.0	91,91,0	350.0	0.04	0.03	0.0	96,96,0
	700.0	0.18	0.13	0.0	91,87,0					

Pilas.	**rRfck**	**rRfyk**	**rPfck**	**rRfck**	**rRfyk**	**rPfck**
	0.18	0.13	0.0			

Trave	**Pos.**	**rRfck**	**rRfyk**	**rPfck**	**Rif. cmb**	**wR**	**wF**	**wP**	**Rif. cmb**	**dR**	**dF**	**dP**	**Rif. cmb**
	cm					mm	mm	mm		cm	cm	cm	
28	0.0	0.05	0.11	0.0	96,96,0	0.0	0.0	0.0	0,0,0	-0.07	0.0	0.0	94,0,0
	104.0	0.02	0.05	0.0	96,96,0	0.0	0.0	0.0	0,0,0				
29	0.0	0.0	0.17	0.0	0,96,0	0.0	0.0	0.0	0,0,0	-0.07	0.0	0.0	94,0,0
	104.0	0.03	0.31	0.0	94,96,0	0.0	0.0	0.0	0,0,0				
30	0.0	0.0	0.40	0.0	0,96,0	0.0	0.0	0.0	0,0,0	-0.06	0.0	0.0	94,0,0
	104.0	9.03e-03	0.58	0.0	89,96,0	0.0	0.0	0.0	0,0,0				
31	0.0	0.0	0.72	0.0	0,96,0	0.13	0.0	0.0	96,0,0	-0.05	0.0	0.0	94,0,0
	104.0	0.0	0.77	0.0	0,96,0	0.13	0.0	0.0	96,0,0				
32	0.0	0.0	0.77	0.0	0,96,0	0.14	0.0	0.0	96,0,0	-0.02	0.0	0.0	89,0,0
	104.0	0.0	0.76	0.0	0,96,0	0.17	0.0	0.0	96,0,0				
33	0.0	0.0	0.76	0.0	0,96,0	0.13	0.0	0.0	96,0,0	0.03	0.0	0.0	92,0,0
	104.0	0.0	0.72	0.0	0,96,0	0.12	0.0	0.0	96,0,0				
34	0.0	0.0	0.79	0.0	0,96,0	0.14	0.0	0.0	96,0,0	0.07	0.0	0.0	96,0,0
	104.0	0.0	0.71	0.0	0,96,0	0.13	0.0	0.0	96,0,0				
35	0.0	0.0	0.77	0.0	0,96,0	0.14	0.0	0.0	96,0,0	0.07	0.0	0.0	96,0,0
	104.0	0.0	0.67	0.0	0,96,0	0.13	0.0	0.0	96,0,0				
36	0.0	0.04	0.74	0.0	93,96,0	0.18	0.0	0.0	96,0,0	0.15	0.0	0.0	96,0,0
	104.0	0.0	0.77	0.0	0,96,0	0.13	0.0	0.0	96,0,0				
37	0.0	0.02	0.79	0.0	93,96,0	0.15	0.0	0.0	96,0,0	0.13	0.0	0.0	96,0,0
	104.0	0.0	0.50	0.0	0,96,0	0.0	0.0	0.0	0,0,0				
38	0.0	6.58e-03	0.29	0.0	89,96,0	0.0	0.0	0.0	0,0,0	0.13	0.0	0.0	96,0,0
	104.0	0.01	0.28	0.0	93,96,0	0.0	0.0	0.0	0,0,0				
39	0.0	0.08	0.19	0.0	96,96,0	0.0	0.0	0.0	0,0,0	-0.13	0.0	0.0	96,0,0
	104.0	0.05	0.12	0.0	96,96,0	0.0	0.0	0.0	0,0,0				
40	0.0	0.0	0.39	0.0	0,96,0	0.0	0.0	0.0	0,0,0	-0.12	0.0	0.0	96,0,0
	104.0	0.11	0.66	0.0	96,96,0	0.12	0.0	0.0	96,0,0				
41	0.0	0.0	0.73	0.0	0,96,0	0.12	0.0	0.0	96,0,0	-0.08	0.0	0.0	94,0,0
	104.0	0.0	0.74	0.0	0,96,0	0.16	0.0	0.0	96,0,0				
42	0.0	0.0	0.74	0.0	0,96,0	0.17	0.0	0.0	96,0,0	-0.08	0.0	0.0	94,0,0
	104.0	0.0	0.75	0.0	0,96,0	0.19	0.0	0.0	96,0,0				
43	0.0	0.0	0.80	0.0	0,96,0	0.21	0.0	0.0	96,0,0	-0.03	0.0	0.0	89,0,0
	104.0	0.0	0.76	0.0	0,96,0	0.20	0.0	0.0	96,0,0				

Trave	Pos.	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb	dR	dF	dP	Rif. cmb
	cm					mm	mm	mm		cm	cm	cm	
44	0.0	0.0	0.77	0.0	0,96,0	0.18	0.0	0.0	96,0,0	0.04	0.0	0.0	93,0,0
	104.0	0.0	0.74	0.0	0,96,0	0.16	0.0	0.0	96,0,0				
45	0.0	0.0	0.80	0.0	0,96,0	0.18	0.0	0.0	96,0,0	0.13	0.0	0.0	96,0,0
	104.0	0.0	0.76	0.0	0,96,0	0.15	0.0	0.0	96,0,0				
46	0.0	0.0	0.74	0.0	0,96,0	0.14	0.0	0.0	96,0,0	0.17	0.0	0.0	96,0,0
	104.0	0.0	0.74	0.0	0,96,0	0.14	0.0	0.0	96,0,0				
47	0.0	0.03	0.76	0.0	95,96,0	0.23	0.0	0.0	96,0,0	0.20	0.0	0.0	96,0,0
	104.0	0.0	0.78	0.0	0,96,0	0.21	0.0	0.0	96,0,0				
48	0.0	0.0	0.75	0.0	0,96,0	0.20	0.0	0.0	96,0,0	0.28	0.0	0.0	96,0,0
	104.0	0.0	0.58	0.0	0,96,0	0.10	0.0	0.0	96,0,0				
49	0.0	0.0	0.43	0.0	0,96,0	0.0	0.0	0.0	0,0,0	0.18	0.0	0.0	96,0,0
	104.0	0.0	0.47	0.0	0,96,0	0.0	0.0	0.0	0,0,0				
Trave		**rRfck**	**rRfyk**	**rPfck**		**wR**	**wF**	**wP**		**dR**	**dF**	**dP**	
		0.11	0.80	0.0		0.23	0.0	0.0		0.28	0.0	0.0	

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
3673	0.23	0.56	0.0	91,91,0	0.12	0.0	0.0	91,0,0
3674	0.23	0.58	0.0	91,91,0	0.13	0.0	0.0	91,0,0
3675	0.25	0.54	0.0	91,91,0	0.12	0.0	0.0	91,0,0
3676	0.25	0.54	0.0	91,91,0	0.12	0.0	0.0	91,0,0
3679	0.10	0.45	0.0	91,91,0	0.0	0.0	0.0	0,0,0
3680	0.14	0.47	0.0	87,91,0	0.09	0.0	0.0	91,0,0
3681	0.16	0.44	0.0	87,91,0	0.08	0.0	0.0	91,0,0
3682	0.18	0.40	0.0	87,91,0	0.0	0.0	0.0	0,0,0
3685	0.10	0.49	0.0	91,91,0	0.0	0.0	0.0	0,0,0
3686	0.12	0.49	0.0	87,91,0	0.07	0.0	0.0	96,0,0
3689	0.08	0.43	0.0	91,91,0	0.0	0.0	0.0	0,0,0
3690	0.07	0.51	0.0	91,91,0	0.0	0.0	0.0	0,0,0
3693	0.09	0.51	0.0	87,87,0	0.08	0.0	0.0	87,0,0
3694	0.13	0.53	0.0	87,91,0	0.10	0.0	0.0	91,0,0
3697	0.14	0.35	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3698	0.30	0.73	0.0	96,96,0	0.20	0.0	0.0	96,0,0
3699	0.36	0.77	0.0	96,96,0	0.24	0.0	0.0	96,0,0
3700	0.42	0.77	0.0	96,96,0	0.26	0.0	0.0	96,0,0
3701	0.47	0.77	0.0	96,96,0	0.27	0.0	0.0	96,0,0
3702	0.47	0.77	0.0	96,96,0	0.27	0.0	0.0	96,0,0
3703	0.44	0.77	0.0	96,96,0	0.27	0.0	0.0	96,0,0
3704	0.41	0.77	0.0	96,96,0	0.26	0.0	0.0	96,0,0
3705	0.42	0.77	0.0	96,96,0	0.27	0.0	0.0	96,0,0
3706	0.19	0.48	0.0	96,96,0	0.09	0.0	0.0	91,0,0
3707	0.13	0.42	0.0	96,91,0	0.0	0.0	0.0	0,0,0
3710	0.23	0.62	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3711	0.22	0.54	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3712	0.20	0.45	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3713	0.24	0.57	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3714	0.45	0.72	0.0	96,96,0	0.24	0.0	0.0	96,0,0
3715	0.46	0.77	0.0	96,96,0	0.27	0.0	0.0	96,0,0
3716	0.24	0.60	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3717	0.35	0.75	0.0	96,96,0	0.21	0.0	0.0	96,0,0
3718	0.38	0.77	0.0	96,96,0	0.25	0.0	0.0	96,0,0
3719	0.17	0.45	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3720	0.23	0.52	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3723	0.31	0.76	0.0	96,96,0	0.20	0.0	0.0	96,0,0
3724	0.23	0.60	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3725	0.18	0.48	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3726	0.23	0.57	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3727	0.44	0.73	0.0	96,96,0	0.23	0.0	0.0	96,0,0
3728	0.41	0.75	0.0	96,96,0	0.25	0.0	0.0	96,0,0
3729	0.22	0.57	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3730	0.28	0.75	0.0	96,96,0	0.20	0.0	0.0	96,0,0
3731	0.41	0.75	0.0	96,96,0	0.25	0.0	0.0	96,0,0
3732	0.19	0.52	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3733	0.32	0.66	0.0	96,96,0	0.15	0.0	0.0	96,0,0
3736	0.34	0.74	0.0	96,96,0	0.22	0.0	0.0	96,0,0
3737	0.23	0.62	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3738	0.21	0.60	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3739	0.13	0.52	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3740	0.17	0.38	0.0	93,93,0	0.0	0.0	0.0	0,0,0
3741	0.11	0.28	0.0	96,94,0	0.0	0.0	0.0	0,0,0
3742	0.09	0.33	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3743	0.29	0.61	0.0	96,96,0	0.16	0.0	0.0	96,0,0

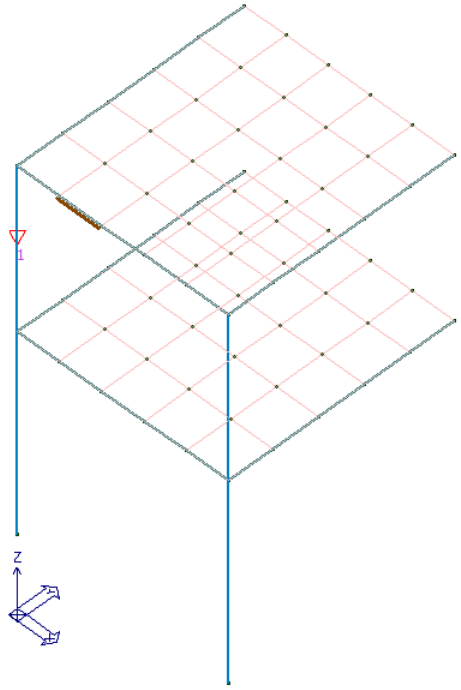
Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
3744	0.35	0.76	0.0	96,96,0	0.20	0.0	0.0	96,0,0
3745	0.16	0.60	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3746	0.36	0.72	0.0	96,96,0	0.22	0.0	0.0	96,0,0
3749	0.30	0.69	0.0	96,96,0	0.17	0.0	0.0	96,0,0
3750	0.26	0.66	0.0	96,96,0	0.18	0.0	0.0	96,0,0
3751	0.20	0.60	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3752	0.16	0.40	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3753	0.17	0.40	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3754	0.09	0.21	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3755	0.09	0.21	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3756	0.20	0.49	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3757	0.29	0.64	0.0	93,93,0	0.18	0.0	0.0	93,0,0
3758	0.22	0.58	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3759	0.31	0.67	0.0	96,96,0	0.17	0.0	0.0	96,0,0
3762	0.32	0.68	0.0	96,96,0	0.18	0.0	0.0	96,0,0
3763	0.30	0.73	0.0	96,96,0	0.20	0.0	0.0	96,0,0
3764	0.20	0.64	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3765	0.17	0.39	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3766	0.17	0.39	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3767	0.09	0.18	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3768	0.09	0.18	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3769	0.20	0.49	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3770	0.32	0.69	0.0	93,93,0	0.19	0.0	0.0	93,0,0
3771	0.23	0.58	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3772	0.32	0.68	0.0	96,96,0	0.18	0.0	0.0	96,0,0
3775	0.35	0.67	0.0	96,96,0	0.19	0.0	0.0	96,0,0
3776	0.34	0.77	0.0	96,96,0	0.21	0.0	0.0	96,0,0
3777	0.20	0.62	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3778	0.17	0.38	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3779	0.17	0.38	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3780	0.09	0.15	0.0	96,93,0	0.0	0.0	0.0	0,0,0
3781	0.09	0.15	0.0	96,93,0	0.0	0.0	0.0	0,0,0
3782	0.21	0.48	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3783	0.37	0.77	0.0	96,96,0	0.21	0.0	0.0	96,0,0
3784	0.23	0.58	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3785	0.33	0.67	0.0	96,96,0	0.19	0.0	0.0	96,0,0
3788	0.36	0.67	0.0	96,96,0	0.20	0.0	0.0	96,0,0
3789	0.35	0.77	0.0	96,96,0	0.21	0.0	0.0	96,0,0
3790	0.20	0.58	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3791	0.17	0.32	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3792	0.18	0.32	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3793	0.10	0.16	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3794	0.10	0.17	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3795	0.24	0.46	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3796	0.44	0.79	0.0	96,96,0	0.26	0.0	0.0	96,0,0
3797	0.24	0.56	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3798	0.34	0.65	0.0	96,96,0	0.19	0.0	0.0	96,0,0
3801	0.46	0.73	0.0	96,96,0	0.21	0.0	0.0	96,0,0
3802	0.41	0.76	0.0	96,96,0	0.24	0.0	0.0	96,0,0
3803	0.21	0.54	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3804	0.13	0.21	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3805	0.22	0.39	0.0	96,93,0	0.0	0.0	0.0	0,0,0
3806	0.11	0.26	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3807	0.09	0.23	0.0	96,94,0	0.0	0.0	0.0	0,0,0
3808	0.35	0.59	0.0	96,96,0	0.16	0.0	0.0	96,0,0
3809	0.49	0.77	0.0	96,96,0	0.27	0.0	0.0	96,0,0
3810	0.17	0.41	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3811	0.42	0.73	0.0	96,96,0	0.19	0.0	0.0	96,0,0
3814	0.57	0.63	0.0	96,96,0	0.19	0.0	0.0	96,0,0
3815	0.33	0.62	0.0	96,96,0	0.19	0.0	0.0	96,0,0
3816	0.10	0.07	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3817	0.15	0.22	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3818	0.27	0.56	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3819	0.11	0.23	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3820	0.10	0.26	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3821	0.29	0.56	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3822	0.50	0.77	0.0	96,96,0	0.29	0.0	0.0	96,0,0
3823	0.22	0.32	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3824	0.50	0.62	0.0	96,96,0	0.18	0.0	0.0	96,0,0
3827	0.46	0.72	0.0	96,96,0	0.19	0.0	0.0	96,0,0
3828	0.27	0.37	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3829	0.16	0.28	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3830	0.15	0.30	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3831	0.22	0.49	0.0	96,96,0	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
3832	0.10	0.24	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3833	0.10	0.18	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3834	0.19	0.36	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3835	0.47	0.80	0.0	96,96,0	0.32	0.0	0.0	96,0,0
3836	0.25	0.51	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3837	0.41	0.72	0.0	96,96,0	0.16	0.0	0.0	96,0,0
3840	0.22	0.73	0.0	96,96,0	0.19	0.0	0.0	96,0,0
3841	0.16	0.29	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3842	0.19	0.39	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3843	0.15	0.30	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3844	0.25	0.74	0.0	96,96,0	0.20	0.0	0.0	96,0,0
3845	0.19	0.73	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3846	0.06	0.24	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3847	0.13	0.29	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3848	0.40	0.79	0.0	96,96,0	0.28	0.0	0.0	96,0,0
3849	0.25	0.64	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3850	0.22	0.73	0.0	96,96,0	0.19	0.0	0.0	96,0,0
3853	0.17	0.72	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3854	0.26	0.57	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3855	0.30	0.72	0.0	96,96,0	0.22	0.0	0.0	96,0,0
3856	0.18	0.62	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3857	0.26	0.75	0.0	96,96,0	0.21	0.0	0.0	96,0,0
3858	0.25	0.74	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3859	0.15	0.42	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3860	0.12	0.34	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3861	0.25	0.74	0.0	96,96,0	0.22	0.0	0.0	96,0,0
3862	0.23	0.65	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3863	0.18	0.72	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3866	0.14	0.72	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3867	0.27	0.76	0.0	96,96,0	0.23	0.0	0.0	96,0,0
3868	0.24	0.75	0.0	96,96,0	0.21	0.0	0.0	96,0,0
3869	0.15	0.43	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3870	0.16	0.50	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3871	0.15	0.49	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3872	0.13	0.41	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3873	0.11	0.42	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3874	0.20	0.74	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3875	0.23	0.75	0.0	96,96,0	0.22	0.0	0.0	96,0,0
3876	0.14	0.72	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3877	0.10	0.72	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3878	0.12	0.71	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3879	0.07	0.63	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3880	0.03	0.57	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3881	0.03	0.57	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3882	0.03	0.58	0.0	95,96,0	0.0	0.0	0.0	0,0,0
3883	0.03	0.56	0.0	90,96,0	0.0	0.0	0.0	0,0,0
3884	0.03	0.56	0.0	90,96,0	0.0	0.0	0.0	0,0,0
3885	0.05	0.61	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3886	0.09	0.71	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3887	0.09	0.72	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3888	0.08	0.68	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3889	0.06	0.66	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3890	0.05	0.69	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3891	0.04	0.71	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3892	0.03	0.71	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3893	0.03	0.72	0.0	90,96,0	0.0	0.0	0.0	0,0,0
3894	0.03	0.72	0.0	90,96,0	0.0	0.0	0.0	0,0,0
3895	0.03	0.72	0.0	90,96,0	0.0	0.0	0.0	0,0,0
3896	0.04	0.68	0.0	90,96,0	0.0	0.0	0.0	0,0,0
3897	0.05	0.63	0.0	96,96,0	0.0	0.0	0.0	0,0,0
3898	0.07	0.65	0.0	96,96,0	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck		wR	wF	wP
	0.57	0.80	0.0		0.32	0.0	0.0

3.9.4 SOLETTE QUADRI

Sono due solette spesse 25 cm e sostenute da travi perimetrali di sezione 30 cm x 55 cm, appoggiate da un lato sulla parete della vasca e dall'altro sostenute da due pilastri di sezione 50 cm x 50 cm.



3.9.4.1 MODELLAZIONE STRUTTURA: NODI

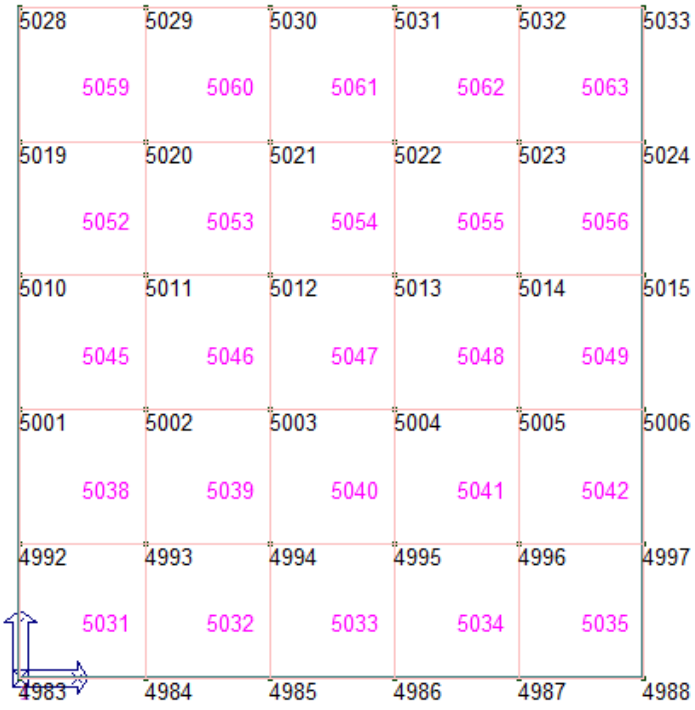
TABELLA DATI NODI

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
255	0.0	0.0	200.0	260	520.0	0.0	200.0	2255	0.0	0.0	700.0
2256	104.0	0.0	700.0	2257	208.0	0.0	700.0	2258	312.0	0.0	700.0
2259	416.0	0.0	700.0	2260	520.0	0.0	700.0	2261	0.0	112.0	700.0
2262	104.0	112.0	700.0	2263	208.0	112.0	700.0	2264	312.0	112.0	700.0
2265	416.0	112.0	700.0	2266	520.0	112.0	700.0	2267	0.0	224.0	700.0
2268	104.0	224.0	700.0	2269	208.0	224.0	700.0	2270	312.0	224.0	700.0
2271	416.0	224.0	700.0	2272	520.0	224.0	700.0	2273	0.0	336.0	700.0
2274	104.0	336.0	700.0	2275	208.0	336.0	700.0	2276	312.0	336.0	700.0
2277	416.0	336.0	700.0	2278	520.0	336.0	700.0	2279	0.0	448.0	700.0
2280	104.0	448.0	700.0	2281	208.0	448.0	700.0	2282	312.0	448.0	700.0
2283	416.0	448.0	700.0	2284	520.0	448.0	700.0	2285	0.0	560.0	700.0
2286	104.0	560.0	700.0	2287	208.0	560.0	700.0	2288	312.0	560.0	700.0
2289	416.0	560.0	700.0	2290	520.0	560.0	700.0	4983	0.0	0.0	1110.0
4984	104.0	0.0	1110.0	4985	208.0	0.0	1110.0	4986	312.0	0.0	1110.0
4987	416.0	0.0	1110.0	4988	520.0	0.0	1110.0	4992	0.0	112.0	1110.0
4993	104.0	112.0	1110.0	4994	208.0	112.0	1110.0	4995	312.0	112.0	1110.0
4996	416.0	112.0	1110.0	4997	520.0	112.0	1110.0	5001	0.0	224.0	1110.0
5002	104.0	224.0	1110.0	5003	208.0	224.0	1110.0	5004	312.0	224.0	1110.0
5005	416.0	224.0	1110.0	5006	520.0	224.0	1110.0	5010	0.0	336.0	1110.0
5011	104.0	336.0	1110.0	5012	208.0	336.0	1110.0	5013	312.0	336.0	1110.0
5014	416.0	336.0	1110.0	5015	520.0	336.0	1110.0	5019	0.0	448.0	1110.0
5020	104.0	448.0	1110.0	5021	208.0	448.0	1110.0	5022	312.0	448.0	1110.0
5023	416.0	448.0	1110.0	5024	520.0	448.0	1110.0	5028	0.0	560.0	1110.0
5029	104.0	560.0	1110.0	5030	208.0	560.0	1110.0	5031	312.0	560.0	1110.0
5032	416.0	560.0	1110.0	5033	520.0	560.0	1110.0				

Numerazione nodi ed elementi shell 1° soletta



Numerazione nodi ed elementi shell 2° soletta



3.9.4.2 MODELLAZIONE STRUTTURA: ELEMENTI SHELL

TABELLA DATI SHELL

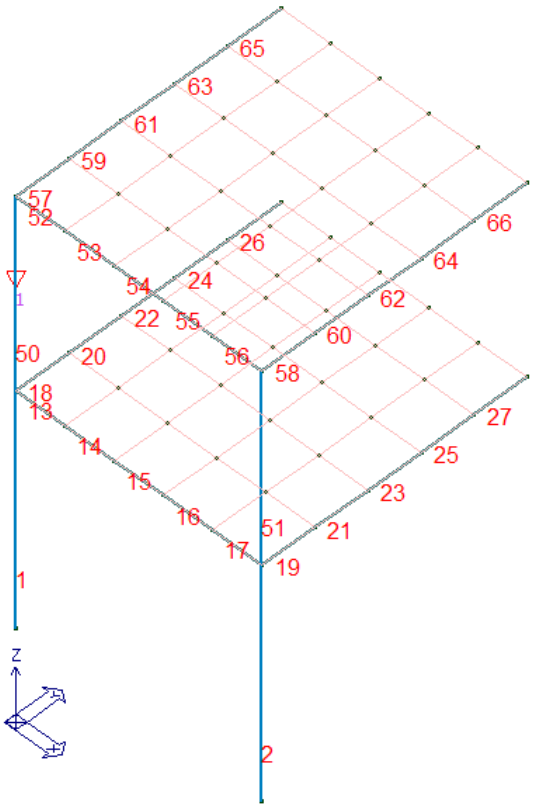
Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
2158	Guscio	2255	2256	2262	2261	4	25.0		
2159	Guscio	2256	2257	2263	2262	4	25.0		
2160	Guscio	2257	2258	2264	2263	4	25.0		
2161	Guscio	2258	2259	2265	2264	4	25.0		
2162	Guscio	2259	2260	2266	2265	4	25.0		
2163	Guscio	2261	2262	2268	2267	4	25.0		
2164	Guscio	2262	2263	2269	2268	4	25.0		
2165	Guscio	2263	2264	2270	2269	4	25.0		
2166	Guscio	2264	2265	2271	2270	4	25.0		
2167	Guscio	2265	2266	2272	2271	4	25.0		
2168	Guscio	2267	2268	2274	2273	4	25.0		
2169	Guscio	2268	2269	2275	2274	4	25.0		
2170	Guscio	2269	2270	2276	2275	4	25.0		
2171	Guscio	2270	2271	2277	2276	4	25.0		
2172	Guscio	2271	2272	2278	2277	4	25.0		
2173	Guscio	2273	2274	2280	2279	4	25.0		
2174	Guscio	2274	2275	2281	2280	4	25.0		
2175	Guscio	2275	2276	2282	2281	4	25.0		
2176	Guscio	2276	2277	2283	2282	4	25.0		
2177	Guscio	2277	2278	2284	2283	4	25.0		
2178	Guscio	2279	2280	2286	2285	4	25.0		
2179	Guscio	2280	2281	2287	2286	4	25.0		
2180	Guscio	2281	2282	2288	2287	4	25.0		
2181	Guscio	2282	2283	2289	2288	4	25.0		
2182	Guscio	2283	2284	2290	2289	4	25.0		
5031	Guscio	4983	4984	4993	4992	4	25.0		
5032	Guscio	4984	4985	4994	4993	4	25.0		
5033	Guscio	4985	4986	4995	4994	4	25.0		
5034	Guscio	4986	4987	4996	4995	4	25.0		
5035	Guscio	4987	4988	4997	4996	4	25.0		
5038	Guscio	4992	4993	5002	5001	4	25.0		
5039	Guscio	4993	4994	5003	5002	4	25.0		
5040	Guscio	4994	4995	5004	5003	4	25.0		
5041	Guscio	4995	4996	5005	5004	4	25.0		
5042	Guscio	4996	4997	5006	5005	4	25.0		
5045	Guscio	5001	5002	5011	5010	4	25.0		
5046	Guscio	5002	5003	5012	5011	4	25.0		
5047	Guscio	5003	5004	5013	5012	4	25.0		
5048	Guscio	5004	5005	5014	5013	4	25.0		
5049	Guscio	5005	5006	5015	5014	4	25.0		
5052	Guscio	5010	5011	5020	5019	4	25.0		
5053	Guscio	5011	5012	5021	5020	4	25.0		
5054	Guscio	5012	5013	5022	5021	4	25.0		
5055	Guscio	5013	5014	5023	5022	4	25.0		
5056	Guscio	5014	5015	5024	5023	4	25.0		
5059	Guscio	5019	5020	5029	5028	4	25.0		
5060	Guscio	5020	5021	5030	5029	4	25.0		
5061	Guscio	5021	5022	5031	5030	4	25.0		
5062	Guscio	5022	5023	5032	5031	4	25.0		
5063	Guscio	5023	5024	5033	5032	4	25.0		

3.9.4.3 MODELLAZIONE STRUTTURA: ELEMENTI TRAVE

TABELLA DATI TRAVI

Elem.	Note	Nodo I	Nodo J	Mat.	Sez.	Rotaz. gradi	Svincolo I	Svincolo J	Wink V daN/cm3	Wink O daN/cm3
1	Pilas.	255	2255	4	2					
2	Pilas.	260	2260	4	2					
13	Trave	2255	2256	4	3					
14	Trave	2256	2257	4	3					
15	Trave	2257	2258	4	3					
16	Trave	2258	2259	4	3					
17	Trave	2259	2260	4	3					
18	Trave	2255	2261	4	3					
19	Trave	2260	2266	4	3					
20	Trave	2261	2267	4	3					
21	Trave	2266	2272	4	3					
22	Trave	2267	2273	4	3					
23	Trave	2272	2278	4	3					
24	Trave	2273	2279	4	3					
25	Trave	2278	2284	4	3					
26	Trave	2279	2285	4	3					
27	Trave	2284	2290	4	3					
50	Pilas.	2255	4983	4	2					
51	Pilas.	2260	4988	4	2					
52	Trave	4983	4984	4	3					
53	Trave	4984	4985	4	3					
54	Trave	4985	4986	4	3					
55	Trave	4986	4987	4	3					
56	Trave	4987	4988	4	3					
57	Trave	4983	4992	4	3					
58	Trave	4988	4997	4	3					
59	Trave	4992	5001	4	3					
60	Trave	4997	5006	4	3					
61	Trave	5001	5010	4	3					
62	Trave	5006	5015	4	3					
63	Trave	5010	5019	4	3					
64	Trave	5015	5024	4	3					
65	Trave	5019	5028	4	3					
66	Trave	5024	5033	4	3					

Numerazione elementi trave e pilastro



3.9.4.4 VERIFICHE ELEMENTI PARETE E GUSCIO IN C.A.

TABELLA VERIFICHE ELEMENTI GUSCIO IN C.A.

M_G	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
31	ok 2255	0.18	0.9	1.66e-03	7.7	11.4	7.7	11.4	22.4	26.8	19.1	2280.2	5992.4	2227.0
31	ok 2256	0.16	0.5	4.28e-03	7.7	7.7	7.7	7.7	16.1	1.1	8.6	273.0	1842.7	1442.1
31	ok 2257	0.16	0.2	3.75e-03	7.7	7.7	7.7	7.7	5.5	3.6	-3.3	-1081.5	901.6	290.9
31	ok 2258	0.16	0.2	2.73e-03	7.7	7.7	7.7	7.7	5.4	1.9	-2.0	-1086.3	880.7	-466.6
31	ok 2259	0.16	0.4	1.38e-03	7.7	7.7	7.7	7.7	14.5	6.6	-6.3	-461.8	1437.1	-1254.5
31	ok 2260	0.17	0.9	2.48e-03	7.7	10.6	7.7	10.6	28.5	14.1	-15.5	2469.7	5398.0	-2260.4
31	ok 2261	0.16	0.6	3.66e-03	7.7	7.7	7.7	7.7	1.5	8.7	11.3	1368.2	3608.7	179.2
31	ok 2262	0.16	0.2	5.02e-03	7.7	7.7	7.7	7.7	4.7	6.7	4.3	-1031.6	-1016.4	140.8
31	ok 2263	0.16	0.3	4.74e-03	7.7	7.7	7.7	7.7	4.6	4.9	-1.4	-1585.1	-1276.8	216.1
31	ok 2264	0.16	0.3	5.05e-03	7.7	7.7	7.7	7.7	4.6	4.7	-7.1	-1387.0	-1210.6	263.2
31	ok 2265	0.16	0.2	4.40e-03	7.7	7.7	7.7	7.7	-1.2	6.3	-8.9	-1023.3	793.0	-316.5
31	ok 2266	0.16	0.5	3.99e-03	7.7	7.7	7.7	7.7	-6.6	3.0	-3.8	1126.5	2876.4	-255.4
31	ok 2267	0.16	0.3	9.51e-03	7.7	7.7	7.7	7.7	-3.2	-11.6	20.6	288.3	-1001.5	-518.1
31	ok 2268	0.16	0.4	8.38e-03	7.7	7.7	7.7	7.7	-6.8	9.5	21.9	-1210.4	-1538.5	-605.0
31	ok 2269	0.16	0.4	5.64e-03	7.7	7.7	7.7	7.7	-8.6	30.3	14.4	-1905.9	-1712.2	-351.6
31	ok 2270	0.16	0.4	6.77e-03	7.7	7.7	7.7	7.7	-2.6	13.1	-10.4	-1699.2	-1898.3	340.2
31	ok 2271	0.16	0.3	6.63e-03	7.7	7.7	7.7	7.7	-1.9	2.3	-11.9	-920.6	-1569.9	480.5
31	ok 2272	0.16	0.2	6.57e-03	7.7	7.7	7.7	7.7	-5.44e-02	-14.2	-6.2	477.8	-965.1	302.3
31	ok 2273	0.16	0.5	2.15e-02	7.7	7.7	7.7	7.7	-12.6	-35.8	34.1	-175.7	-2647.3	-696.8
31	ok 2274	0.16	0.6	1.18e-02	7.7	7.7	7.7	7.7	-14.6	14.4	30.2	-1220.4	-2792.7	-653.2
31	ok 2275	0.16	0.6	6.91e-03	7.7	7.7	7.7	7.7	-12.7	52.5	7.9	-1678.6	-3071.7	-399.5
31	ok 2276	0.16	0.5	6.94e-03	7.7	7.7	7.7	7.7	3.7	29.5	-3.0	-1465.9	-2861.9	303.2
31	ok 2277	0.16	0.5	8.43e-03	7.7	7.7	7.7	7.7	3.0	18.1	-2.7	-1112.3	-2633.3	498.9
31	ok 2278	0.16	0.4	9.93e-03	7.7	7.7	7.7	7.7	3.2	-6.0	2.5	-115.7	-2384.2	523.9
31	ok 2279	0.16	0.6	5.14e-02	7.7	7.7	7.7	7.7	-51.0	-97.0	88.0	-437.1	-3413.0	-619.3
31	ok 2280	0.16	0.8	1.63e-02	7.7	7.7	7.7	7.7	-29.6	85.1	14.4	-1176.3	-3916.2	-779.4
31	ok 2281	0.16	0.7	7.00e-03	7.7	7.7	7.7	7.7	6.5	66.4	-11.4	-1189.8	-3467.7	-423.6
31	ok 2282	0.16	0.6	8.14e-03	7.7	7.7	7.7	7.7	28.8	43.5	-2.2	-1078.4	-3305.7	180.1
31	ok 2283	0.16	0.6	8.27e-03	7.7	7.7	7.7	7.7	27.5	11.3	9.5	-949.1	-3307.5	606.6
31	ok 2284	0.16	0.5	1.58e-02	7.7	7.7	7.7	7.7	-8.6	4.5	20.9	-361.7	-2960.5	515.7
31	ok 2285	0.16	0.5	4.16e-02	7.7	7.7	7.7	7.7	-18.0	-84.8	60.6	-869.3	-3203.2	-667.6
31	ok 2286	0.16	0.8	9.00e-03	7.7	7.7	7.7	7.7	84.3	189.8	-21.2	-449.5	-2888.5	-447.2
31	ok 2287	0.16	0.7	1.11e-02	7.7	7.7	7.7	7.7	100.0	68.1	-27.2	-315.2	-1758.6	-84.7
31	ok 2288	0.16	0.6	1.27e-02	7.7	7.7	7.7	7.7	105.5	33.1	-5.5	-284.6	-1548.9	40.3
31	ok 2289	0.16	0.5	1.62e-02	7.7	7.7	7.7	7.7	90.2	-4.2	16.4	-429.6	-1993.3	162.7
31	ok 2290	0.16	0.5	1.21e-02	7.7	7.7	7.7	7.7	94.9	27.0	58.4	-906.8	-2843.9	374.3

M_G		x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									-50.97	-96.98	-27.15	-1905.92	-3916.21	-2260.37
		0.18	0.93	0.05	7.70	11.39	7.70	11.39	105.48	189.85	87.99	2469.74	5992.42	2226.98

L'armatura della 1° soletta sp. 25 cm è costituita da una maglia base di 1ϕ14/20/20 inf / sup a cui si aggiungono ferri alternati con sezione variabile ove necessario.

M_G	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy	
										daN/cm	daN/cm	daN/cm	daN	daN	daN
70	ok 4983	0.16	0.7	1.91e-02	7.7	7.7	7.7	7.7	-15.6	-64.3	-28.0	1676.5	4019.6	1437.5	
70	ok 4984	0.16	0.3	1.86e-03	7.7	7.7	7.7	7.7	5.8	7.8	-9.1	40.0	1199.7	871.7	
70	ok 4985	0.16	0.2	1.93e-03	7.7	7.7	7.7	7.7	2.3	0.5	3.0	-1347.7	335.0	237.7	
70	ok 4986	0.16	0.2	2.93e-03	7.7	7.7	7.7	7.7	3.0	4.2	12.0	-1020.3	514.3	-361.0	
70	ok 4987	0.16	0.3	6.46e-03	7.7	7.7	7.7	7.7	-12.7	4.5	13.7	-275.7	938.9	-843.8	
70	ok 4988	0.16	0.7	1.69e-02	7.7	7.7	7.7	7.7	-27.5	-46.0	29.2	1973.8	3345.5	-1548.2	
70	ok 4992	0.16	0.3	1.53e-02	7.7	7.7	7.7	7.7	-8.5	-57.0	-15.7	941.3	2084.8	46.3	
70	ok 4993	0.16	0.2	7.28e-03	7.7	7.7	7.7	7.7	-5.5	-7.0	-1.6	-1031.6	-1113.5	43.7	
70	ok 4994	0.16	0.3	6.01e-03	7.7	7.7	7.7	7.7	-6.7	-4.7	4.5	-1587.2	-1369.0	132.0	
70	ok 4995	0.16	0.3	6.96e-03	7.7	7.7	7.7	7.7	-8.9	-5.5	10.4	-1429.7	-1320.3	223.4	
70	ok 4996	0.16	0.2	8.79e-03	7.7	7.7	7.7	7.7	-5.9	-7.6	12.5	-576.4	-1044.1	147.6	
70	ok 4997	0.16	0.2	9.45e-03	7.7	7.7	7.7	7.7	0.2	-33.4	11.6	753.5	1442.5	-257.7	
70	ok 5001	0.16	0.2	1.18e-02	7.7	7.7	7.7	7.7	0.3	-12.8	-0.4	229.5	-1293.8	-184.7	
70	ok 5002	0.16	0.3	1.08e-02	7.7	7.7	7.7	7.7	-6.4	-25.5	-1.1	-1151.4	-1636.1	-512.3	
70	ok 5003	0.16	0.4	9.91e-03	7.7	7.7	7.7	7.7	-11.4	-18.9	21.6	-1686.1	-1739.8	-326.8	

M_G	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
										daN/cm	daN/cm	daN/cm	daN	daN	daN
70	ok	5004	0.16	0.4	8.93e-03	7.7	7.7	7.7	7.7	-7.4	-12.5	8.8	-1587.8	-1968.0	252.4
70	ok	5005	0.16	0.3	7.95e-03	7.7	7.7	7.7	7.7	-4.1	-12.8	11.4	-896.7	-1658.2	380.6
70	ok	5006	0.16	0.2	5.46e-03	7.7	7.7	7.7	7.7	0.9	3.5	4.4	374.5	-1165.4	287.5
70	ok	5010	0.16	0.4	1.56e-02	7.7	7.7	7.7	7.7	2.3	-25.0	-2.18e-02	-193.5	-2180.8	-536.9
70	ok	5011	0.16	0.4	1.64e-02	7.7	7.7	7.7	7.7	-5.7	-32.2	8.0	-1117.7	-2231.4	-527.2
70	ok	5012	0.16	0.4	1.39e-02	7.7	7.7	7.7	7.7	-14.1	-24.1	16.5	-1490.4	-2540.7	-384.9
70	ok	5013	0.16	0.4	1.10e-02	7.7	7.7	7.7	7.7	-11.0	-13.5	14.5	-1382.5	-2333.7	-71.3
70	ok	5014	0.16	0.4	1.12e-02	7.7	7.7	7.7	7.7	0.3	4.4	15.7	-872.4	-1972.3	427.4
70	ok	5015	0.16	0.3	7.99e-03	7.7	7.7	7.7	7.7	-0.1	21.2	13.7	30.7	-1631.7	466.9
70	ok	5019	0.16	0.4	2.65e-02	7.7	7.7	7.7	7.7	4.1	-27.7	7.7	-491.1	-2296.9	-412.0
70	ok	5020	0.16	0.5	2.49e-02	7.7	7.7	7.7	7.7	-16.5	-40.1	27.1	-1157.3	-3004.7	-664.7
70	ok	5021	0.16	0.4	1.99e-02	7.7	7.7	7.7	7.7	-30.7	-20.9	19.0	-1010.1	-2304.8	-321.8
70	ok	5022	0.16	0.3	1.77e-02	7.7	7.7	7.7	7.7	-32.9	-3.5	13.3	-774.1	-1998.4	184.2
70	ok	5023	0.16	0.4	2.49e-02	7.7	7.7	7.7	7.7	-4.8	3.7	-6.2	-567.8	-1859.4	577.6
70	ok	5024	0.16	0.3	1.86e-02	7.7	7.7	7.7	7.7	47.1	35.2	27.4	-181.5	-1524.0	724.4
70	ok	5028	0.16	0.4	4.40e-02	7.7	7.7	7.7	7.7	-5.8	-85.8	62.7	246.8	2251.1	831.2
70	ok	5029	0.16	0.8	4.10e-02	7.7	7.7	7.7	7.7	-71.6	3.2	74.5	1146.2	4709.9	60.2
70	ok	5030	0.16	0.8	3.19e-02	7.7	7.7	7.7	7.7	-80.0	25.7	29.5	814.8	4355.4	166.6
70	ok	5031	0.16	0.8	3.46e-02	7.7	7.7	7.7	7.7	-84.6	35.0	0.7	903.2	4435.9	298.5
70	ok	5032	0.16	0.9	4.92e-02	7.7	7.7	7.7	8.3	-104.4	58.1	-30.0	1367.2	4878.5	281.8
70	ok	5033	0.16	0.4	7.22e-02	7.7	7.7	7.7	7.7	-21.7	6.0	-43.5	-437.5	-415.9	299.5

M_G	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
								-104.44	-85.80	-43.49	-1686.07	-3004.69	-1548.19
	0.16	0.86	0.07	7.70	7.70	7.70	8.30	47.12	58.14	74.47	1973.79	4878.45	1437.52

L'armatura della 2° soletta sp. 25 cm è costituita da una maglia base di 1ϕ14/20/20 inf / sup a cui si aggiungono ferri alternati con sezione variabile ove necessario.

3.9.4.5 VERIFICHE ELEMENTI TRAVE C.A.

TABELLA VERIFICHE ELEMENTI TRAVE C.A.

					M_P= 1		X=0.0	Y=0.0				
Pilas.	Note	Stato	Quota cm	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe L=cm	v V/T cls	v V/T acc	Rif. cmb
1	s=2,m=4	ok,ok	200.0	1.01	0.74	4d20 2+2 d20	0.52	0.143	+3d10/12 L=87	0.31	0.22	34,26,34,32
			450.0	1.01	0.74	4d20 2+2 d20	0.10	0.143	+3d10/20 L=325	0.31	0.35	46,26,34,32
	[b=1.0;1.0]		700.0	1.01	0.74	4d20 2+2 d20	0.48	0.133	+3d10/12 L=87	0.31	0.22	34,26,34,32
50	s=2,m=4	ok,ok	700.0	1.01	0.15	4d20 2+2 d20	0.66	0.063	+3d10/12 L=75	0.38	0.23	34,34,34,34
			905.0	1.01	0.15	4d20 2+2 d20	0.08	0.063	+3d10/20 L=260	0.38	0.36	34,34,34,34
	[b=1.0;1.0]		1110.0	1.01	0.15	4d20 2+2 d20	0.83	0.063	+3d10/12 L=75	0.39	0.23	34,34,34,34
					M_P= 2		X=520.0	Y=0.0				
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	verif.	ver.sis	Staffe	v V/T cls	v V/T acc	Rif. cmb
2	s=2,m=4	ok,ok	200.0	1.01	0.83	4d20 2+2 d20	0.57	0.143	+3d10/12 L=87	0.31	0.22	46,46,34,28
			450.0	1.01	0.83	4d20 2+2 d20	0.09	0.133	+3d10/20 L=325	0.31	0.34	22,46,34,28
	[b=1.0;1.0]		700.0	1.01	0.83	4d20 2+2 d20	0.47	0.123	+3d10/12 L=87	0.31	0.22	50,46,34,28
51	s=2,m=4	ok,ok	700.0	1.01	0.15	4d20 2+2 d20	0.58	0.063	+3d10/12 L=75	0.36	0.23	50,46,34,30
			905.0	1.01	0.15	4d20 2+2 d20	0.07	0.063	+3d10/20 L=260	0.36	0.36	46,46,34,30
	[b=1.0;1.0]		1110.0	1.01	0.15	4d20 2+2 d20	0.71	0.053	+3d10/12 L=75	0.36	0.23	50,46,34,30

Pilas.	%Af	r. snell.	verif.	ver.sis	v V/T cls	v V/T acc
	1.01	0.83	0.83	0.14	0.39	0.36

Pilas.	sovr. Xi	sovr. Xf	sovr. Yi	sovr. Yf	M 2-2 i	M 2-2 f	M 3-3 i	M 3-3 f	Luce per V	V M2-2	V M3-3
					daN cm	daN cm	daN cm	daN cm	cm	daN	daN
1	0.0	4.11	0.0	1.98	2.838e+06	2.783e+06	2.838e+06	2.783e+06	437.50	1.427e+04	1.427e+04
2	0.0	4.39	0.0	2.48	2.793e+06	2.738e+06	2.793e+06	2.738e+06	437.50	1.404e+04	1.404e+04
50	4.11	0.0	1.98	0.0	2.404e+06	2.357e+06	2.404e+06	2.357e+06	355.00	1.490e+04	1.490e+04
51	4.39	0.0	2.48	0.0	2.378e+06	2.331e+06	2.378e+06	2.331e+06	355.00	1.474e+04	1.474e+04

Pilas.	M 2-2 i	M 2-2 f	M 3-3 i	M 3-3 f	V M2-2	V M3-3
	2.838e+06	2.783e+06	2.838e+06	2.783e+06	1.490e+04	1.490e+04

Nodo	Stato	Pilas.	Diam st	l 7.4.29	n. br. 2	Bj2	Hjc2	n. br. 3	Bj3	Hjc3	V. 7.4.8	l 7.4.10	Rif. cmb
			mm	cm		cm	cm		cm	cm			
2255		1	10	12.5	3	50.0		3	50.0				
2260		2	10	12.5	3	50.0		3	50.0				
4983		50	10	12.5	3	50.0		3	50.0				
4988		51	10	12.5	3	50.0		3	50.0				

Nodo	l 7.4.29	V. 7.4.8	l 7.4.10
	12.50		

L'armatura tipica dei pilastri è costituita 8ϕ20 longitudinali e staffe 1ϕ10/10 per 1,0 m agli estremi dell'elemento e staffe 1ϕ10/20 nel tratto centrale.

							M_T= 1	**Z=700.0**	**P=1**	**P=2**		
Trave	Note	Pos. cm	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe L=cm	Rif. cmb
13	ok,ok	0.0	0.34	5.6	5.6	8.0	0.11	0.39	0.46	0.84	2d10/10	L=79 26,34,34
	s=3,m=4	104.0	0.34	5.6	5.6	8.0	0.11	0.32	0.46	0.83	2d10/10	L=79 23,34,34
14	ok,ok	0.0	0.34	5.6	5.6	4.0	0.11	0.27	0.22	0.85	2d10/30	L=104 24,26,34
	s=3,m=4	104.0	0.34	5.6	5.6	4.0	0.11	0.40	0.21	0.80	2d10/30	L=104 18,26,34
15	ok,ok	0.0	0.34	5.6	5.6	0.0	0.11	0.41	0.11	0.05	2d10/30	L=104 18,23,23
	s=3,m=4	104.0	0.34	5.6	5.6	0.0	0.11	0.34	0.12	0.07	2d10/30	L=104 22,23,23
16	ok,ok	0.0	0.34	5.6	5.6	0.0	0.11	0.35	0.15	0.12	2d10/30	L=104 22,23,16
	s=3,m=4	104.0	0.34	5.6	5.6	0.0	0.11	0.20	0.16	0.15	2d10/30	L=104 19,23,16
17	ok,ok	0.0	0.34	5.6	5.6	8.0	0.11	0.24	0.29	0.79	2d10/15	L=79 23,50,50
	s=3,m=4	104.0	0.34	5.6	5.6	8.0	0.11	0.79	0.29	0.81	2d10/15	L=79 23,50,50
							M_T= 2	**Z=700.0**	**N=2255**	**N=2285**		
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
18	ok,ok	0.0	0.73	5.6	12.1	4.0	0.16	0.96	0.35	0.86	2d10/12	L=87 34,26,26
	s=3,m=4	112.0	0.52	5.6	8.6	4.0	0.13	0.60	0.34	0.84	2d10/12	L=87 34,26,26
20	ok,ok	0.0	0.34	5.6	5.6	0.0	0.11	0.61	0.18	0.25	2d10/30	L=112 34,34,34
	s=3,m=4	112.0	0.34	5.6	5.6	0.0	0.11	0.38	0.17	0.23	2d10/30	L=112 17,34,34
22	ok,ok	0.0	0.34	5.6	5.6	0.0	0.11	0.37	0.22	0.16	2d10/30	L=112 17,34,34
	s=3,m=4	112.0	0.34	5.6	5.6	0.0	0.11	0.58	0.21	0.14	2d10/30	L=112 34,34,34
24	ok,ok	0.0	0.34	5.6	5.6	0.0	0.11	0.67	0.19	0.09	2d10/30	L=112 34,34,31
	s=3,m=4	112.0	0.34	5.6	5.6	0.0	0.11	0.83	0.18	0.12	2d10/30	L=112 34,34,17
26	ok,ok	0.0	0.34	5.6	5.6	0.0	0.11	0.85	0.17	0.12	2d10/30	L=112 34,30,17
	s=3,m=4	112.0	0.34	5.6	5.6	0.0	0.11	0.84	0.16	0.14	2d10/30	L=112 34,22,17
							M_T= 3	**Z=700.0**	**N=2260**	**N=2290**		
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
19	ok,ok	0.0	0.62	5.6	10.2	4.0	0.14	0.98	0.36	0.88	2d10/12	L=87 50,50,50
	s=3,m=4	112.0	0.43	5.6	7.1	4.0	0.12	0.59	0.35	0.86	2d10/12	L=87 50,50,50
21	ok,ok	0.0	0.34	5.6	5.6	0.0	0.11	0.49	0.14	0.23	2d10/30	L=112 50,34,50
	s=3,m=4	112.0	0.34	5.6	5.6	0.0	0.11	0.36	0.13	0.21	2d10/30	L=112 17,34,50
23	ok,ok	0.0	0.34	5.6	5.6	0.0	0.11	0.35	0.17	0.15	2d10/30	L=112 17,46,50
	s=3,m=4	112.0	0.34	5.6	5.6	0.0	0.11	0.56	0.16	0.13	2d10/30	L=112 50,46,50
25	ok,ok	0.0	0.34	5.6	5.6	0.0	0.11	0.65	0.15	0.07	2d10/30	L=112 50,44,50
	s=3,m=4	112.0	0.34	5.6	5.6	0.0	0.11	0.78	0.14	0.09	2d10/30	L=112 50,17,17
27	ok,ok	0.0	0.34	5.6	5.6	0.0	0.11	0.86	0.15	0.09	2d10/30	L=112 50,17,17
	s=3,m=4	112.0	0.34	5.6	5.6	0.0	0.11	0.84	0.16	0.12	2d10/30	L=112 50,17,17
							M_T= 6	**Z=1110.0**	**P=1**	**P=2**		
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
52	ok,ok	0.0	0.34	5.6	5.6	8.0	0.11	0.30	0.32	0.87	2d10/15	L=79 22,34,34
	s=3,m=4	104.0	0.34	5.6	5.6	8.0	0.11	0.27	0.31	0.85	2d10/15	L=79 19,34,34
53	ok,ok	0.0	0.34	5.6	5.6	0.0	0.11	0.25	0.15	0.07	2d10/30	L=104 18,50,14
	s=3,m=4	104.0	0.34	5.6	5.6	0.0	0.11	0.41	0.14	0.05	2d10/30	L=104 18,50,22
54	ok,ok	0.0	0.34	5.6	5.6	0.0	0.11	0.42	0.09	0.03	2d10/30	L=104 18,23,23
	s=3,m=4	104.0	0.34	5.6	5.6	0.0	0.11	0.35	0.10	0.05	2d10/30	L=104 14,23,23
55	ok,ok	0.0	0.34	5.6	5.6	0.0	0.11	0.34	0.14	0.11	2d10/30	L=104 14,31,16
	s=3,m=4	104.0	0.34	5.6	5.6	0.0	0.11	0.12	0.15	0.14	2d10/30	L=104 22,31,16
56	ok,ok	0.0	0.34	5.6	5.6	4.0	0.11	0.12	0.23	0.94	2d10/25	L=79 23,29,34
	s=3,m=4	104.0	0.34	5.6	5.6	4.0	0.11	0.61	0.24	0.98	2d10/25	L=79 16,29,34
							M_T= 7	**Z=1110.0**	**N=4983**	**N=5028**		
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
57	ok,ok	0.0	0.43	5.6	7.1	4.0	0.12	0.98	0.31	0.97	2d10/20	L=87 34,46,26
	s=3,m=4	112.0	0.34	5.6	5.6	4.0	0.11	0.45	0.30	0.94	2d10/20	L=87 34,46,26
59	ok,ok	0.0	0.34	5.6	5.6	0.0	0.11	0.28	0.15	0.19	2d10/30	L=112 34,34,34
	s=3,m=4	112.0	0.34	5.6	5.6	0.0	0.11	0.39	0.14	0.17	2d10/30	L=112 17,34,34
61	ok,ok	0.0	0.34	5.6	5.6	0.0	0.11	0.39	0.16	0.11	2d10/30	L=112 17,34,34
	s=3,m=4	112.0	0.34	5.6	5.6	0.0	0.11	0.50	0.15	0.09	2d10/30	L=112 34,34,34
63	ok,ok	0.0	0.34	5.6	5.6	0.0	0.11	0.57	0.12	0.09	2d10/30	L=112 34,34,17

	s=3,m=4	112.0	0.34	5.6	5.6	0.0	0.11	0.62	0.12	0.11	2d10/30 L=112 34,17,17
65	ok,ok	0.0	0.34	5.6	5.6	0.0	0.11	0.65	0.11	0.09	2d10/30 L=112 34,22,17
	s=3,m=4	112.0	0.34	5.6	5.6	0.0	0.11	0.53	0.12	0.11	2d10/30 L=112 31,22,17
							M_T= 8	**Z=1110.0**	**N=4988**	**N=5033**	
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
58	ok,ok	0.0	0.34	5.6	5.6	4.0	0.11	0.97	0.28	0.78	2d10/15 L=87 50,9,18
	s=3,m=4	112.0	0.34	5.6	5.6	4.0	0.11	0.33	0.26	0.75	2d10/15 L=87 50,9,50
60	ok,ok	0.0	0.34	5.6	5.6	0.0	0.11	0.18	0.11	0.15	2d10/30 L=112 50,34,50
	s=3,m=4	112.0	0.34	5.6	5.6	0.0	0.11	0.36	0.10	0.13	2d10/30 L=112 17,34,50
62	ok,ok	0.0	0.34	5.6	5.6	0.0	0.11	0.36	0.11	0.07	2d10/30 L=112 17,48,50
	s=3,m=4	112.0	0.34	5.6	5.6	0.0	0.11	0.41	0.10	0.05	2d10/30 L=112 46,48,50
64	ok,ok	0.0	0.34	5.6	5.6	0.0	0.11	0.47	0.15	0.08	2d10/30 L=112 46,16,17
	s=3,m=4	112.0	0.34	5.6	5.6	0.0	0.11	0.40	0.17	0.11	2d10/30 L=112 46,16,17
66	ok,ok	0.0	0.34	5.6	5.6	0.0	0.11	0.42	0.18	0.09	2d10/30 L=112 46,18,17
	s=3,m=4	112.0	0.34	5.6	5.6	0.0	0.11	0.47	0.19	0.12	2d10/30 L=112 47,18,17

Trave	**%Af**	**Af inf.**	**Af. sup**	**Af long.**	**x/d**	**V N/M**	**V V/T cls**	**V V/T acc**
	0.73	5.56	12.06	8.04	0.16	0.98	0.46	0.98

L'armatura tipica delle travi perimetrali è costituita 2ϕ16+1ϕ14 inf / sup e staffe 1ϕ10/10 per 1,0 m agli estremi e 1ϕ10/20 nel tratto centrale, a cui si aggiungono ferri longitudinali dove necessario.

3.9.4.6 STATI LIMITE D' ESERCIZIO

TABELLA STATI LIMITE D' ESERCIZIO

Pilas.	**Pos.**	**rRfck**	**rRfyk**	**rPfck**	**Rif. cmb**	**Pos.**	**rRfck**	**rRfyk**	**rPfck**	**Rif. cmb**
	cm					cm				
1	0.0	0.23	0.14	0.0	91,91,0	250.0	0.08	0.06	0.0	95,96,0
	500.0	0.19	0.14	0.0	91,91,0					
2	0.0	0.27	0.21	0.0	91,91,0	250.0	0.07	0.05	0.0	93,96,0
	500.0	0.27	0.21	0.0	96,91,0					
50	0.0	0.32	0.35	0.0	92,96,0	205.0	0.03	0.03	0.0	96,96,0
	410.0	0.37	0.47	0.0	92,96,0					
51	0.0	0.48	0.50	0.0	96,96,0	205.0	0.04	0.03	0.0	92,92,0
	410.0	0.56	0.63	0.0	96,96,0					

Pilas.	**rRfck**	**rRfyk**	**rPfck**	**rRfck**	**rRfyk**	**rPfck**
	0.56	0.63	0.0			

Trave	**Pos.**	**rRfck**	**rRfyk**	**rPfck**	**Rif. cmb**	**wR**	**wF**	**wP**	**Rif. cmb**	**dR**	**dF**	**dP**	**Rif. cmb**
	cm					mm	mm	mm		cm	cm	cm	
13	0.0	0.06	0.16	0.0	92,92,0	0.0	0.0	0.0	0,0,0	-0.02	0.0	0.0	94,0,0
	104.0	0.08	0.21	0.0	94,94,0	0.0	0.0	0.0	0,0,0				
14	0.0	0.09	0.22	0.0	94,94,0	0.0	0.0	0.0	0,0,0	0.02	0.0	0.0	93,0,0
	104.0	0.14	0.34	0.0	96,96,0	0.0	0.0	0.0	0,0,0				
15	0.0	0.15	0.35	0.0	96,96,0	0.0	0.0	0.0	0,0,0	0.07	0.0	0.0	93,0,0
	104.0	0.12	0.28	0.0	96,96,0	0.0	0.0	0.0	0,0,0				
16	0.0	0.11	0.28	0.0	96,96,0	0.0	0.0	0.0	0,0,0	0.10	0.0	0.0	92,0,0
	104.0	0.02	0.06	0.0	94,94,0	0.0	0.0	0.0	0,0,0				
17	0.0	0.03	0.10	0.0	94,94,0	0.0	0.0	0.0	0,0,0	0.10	0.0	0.0	92,0,0
	104.0	0.27	0.66	0.0	94,94,0	0.15	0.0	0.0	94,0,0				
18	0.0	0.30	0.47	0.0	96,96,0	0.13	0.0	0.0	96,0,0	-0.22	0.0	0.0	96,0,0
	112.0	0.10	0.19	0.0	91,91,0	0.0	0.0	0.0	0,0,0				
19	0.0	0.37	0.61	0.0	96,96,0	0.19	0.0	0.0	96,0,0	-0.30	0.0	0.0	96,0,0
	112.0	0.12	0.25	0.0	91,91,0	0.0	0.0	0.0	0,0,0				
20	0.0	0.10	0.26	0.0	91,91,0	0.0	0.0	0.0	0,0,0	-0.25	0.0	0.0	91,0,0
	112.0	0.13	0.32	0.0	95,95,0	0.0	0.0	0.0	0,0,0				
21	0.0	0.12	0.28	0.0	91,91,0	0.0	0.0	0.0	0,0,0	-0.27	0.0	0.0	91,0,0
	112.0	0.13	0.30	0.0	95,95,0	0.0	0.0	0.0	0,0,0				
22	0.0	0.13	0.32	0.0	95,95,0	0.0	0.0	0.0	0,0,0	-0.23	0.0	0.0	91,0,0
	112.0	0.17	0.40	0.0	96,96,0	0.0	0.0	0.0	0,0,0				

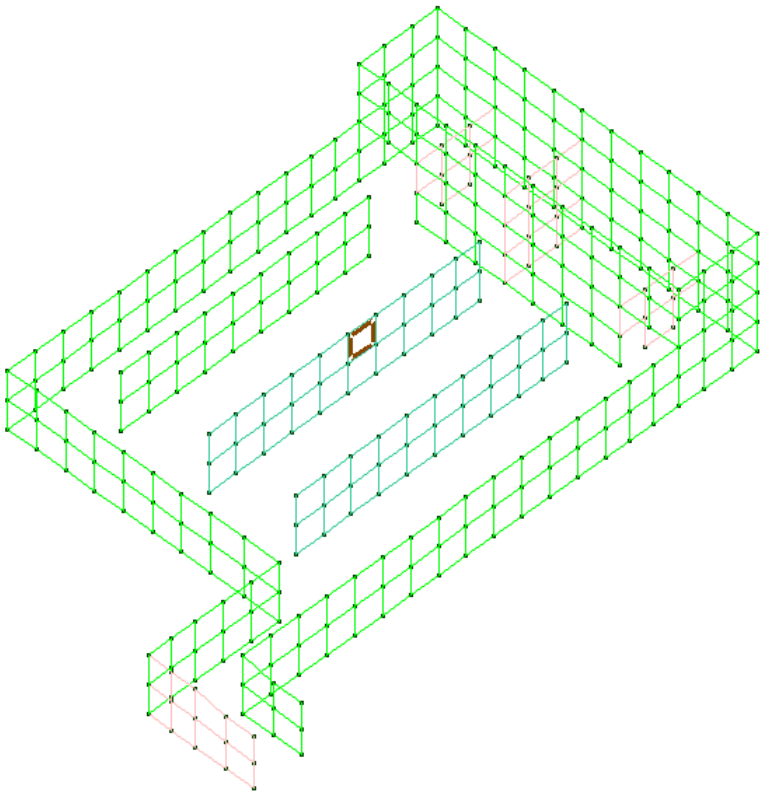
Trave	Pos.	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb	dR	dF	dP	Rif. cmb
	cm					mm	mm	mm		cm	cm	cm	
23	0.0	0.13	0.29	0.0	95,95,0	0.0	0.0	0.0	0,0,0	-0.25	0.0	0.0	91,0,0
	112.0	0.19	0.42	0.0	96,96,0	0.0	0.0	0.0	0,0,0				
24	0.0	0.16	0.38	0.0	96,96,0	0.0	0.0	0.0	0,0,0	-0.18	0.0	0.0	91,0,0
	112.0	0.15	0.35	0.0	91,91,0	0.0	0.0	0.0	0,0,0				
25	0.0	0.19	0.40	0.0	96,96,0	0.0	0.0	0.0	0,0,0	-0.19	0.0	0.0	91,0,0
	112.0	0.20	0.42	0.0	91,91,0	0.0	0.0	0.0	0,0,0				
26	0.0	0.15	0.31	0.0	91,91,0	0.0	0.0	0.0	0,0,0	-0.12	0.0	0.0	91,0,0
	112.0	0.15	0.35	0.0	95,95,0	0.0	0.0	0.0	0,0,0				
27	0.0	0.19	0.41	0.0	91,91,0	0.0	0.0	0.0	0,0,0	-0.12	0.0	0.0	91,0,0
	112.0	0.18	0.38	0.0	91,91,0	0.0	0.0	0.0	0,0,0				
52	0.0	0.07	0.15	0.0	92,92,0	0.0	0.0	0.0	0,0,0	-0.03	0.0	0.0	94,0,0
	104.0	0.08	0.18	0.0	94,94,0	0.0	0.0	0.0	0,0,0				
53	0.0	0.09	0.21	0.0	96,96,0	0.0	0.0	0.0	0,0,0	0.02	0.0	0.0	88,0,0
	104.0	0.14	0.35	0.0	96,96,0	0.0	0.0	0.0	0,0,0				
54	0.0	0.15	0.35	0.0	96,96,0	0.0	0.0	0.0	0,0,0	0.07	0.0	0.0	93,0,0
	104.0	0.12	0.29	0.0	92,92,0	0.0	0.0	0.0	0,0,0				
55	0.0	0.12	0.28	0.0	92,92,0	0.0	0.0	0.0	0,0,0	0.11	0.0	0.0	92,0,0
	104.0	0.01	0.02	0.0	92,92,0	0.0	0.0	0.0	0,0,0				
56	0.0	0.01	0.02	0.0	89,89,0	0.0	0.0	0.0	0,0,0	0.11	0.0	0.0	92,0,0
	104.0	0.23	0.51	0.0	94,94,0	0.12	0.0	0.0	94,0,0				
57	0.0	0.27	0.49	0.0	96,96,0	0.10	0.0	0.0	96,0,0	-0.22	0.0	0.0	96,0,0
	112.0	0.06	0.12	0.0	95,95,0	0.0	0.0	0.0	0,0,0				
58	0.0	0.28	0.61	0.0	92,92,0	0.14	0.0	0.0	92,0,0	-0.24	0.0	0.0	96,0,0
	112.0	0.05	0.09	0.0	91,95,0	0.0	0.0	0.0	0,0,0				
59	0.0	0.07	0.14	0.0	95,95,0	0.0	0.0	0.0	0,0,0	-0.24	0.0	0.0	91,0,0
	112.0	0.14	0.32	0.0	95,95,0	0.0	0.0	0.0	0,0,0				
60	0.0	0.05	0.12	0.0	95,95,0	0.0	0.0	0.0	0,0,0	-0.25	0.0	0.0	91,0,0
	112.0	0.13	0.30	0.0	95,95,0	0.0	0.0	0.0	0,0,0				
61	0.0	0.14	0.32	0.0	95,95,0	0.0	0.0	0.0	0,0,0	-0.21	0.0	0.0	91,0,0
	112.0	0.16	0.34	0.0	96,92,0	0.0	0.0	0.0	0,0,0				
62	0.0	0.13	0.30	0.0	95,95,0	0.0	0.0	0.0	0,0,0	-0.22	0.0	0.0	91,0,0
	112.0	0.14	0.32	0.0	92,92,0	0.0	0.0	0.0	0,0,0				
63	0.0	0.15	0.33	0.0	96,92,0	0.0	0.0	0.0	0,0,0	-0.17	0.0	0.0	91,0,0
	112.0	0.10	0.22	0.0	91,91,0	0.0	0.0	0.0	0,0,0				
64	0.0	0.13	0.31	0.0	92,92,0	0.0	0.0	0.0	0,0,0	-0.19	0.0	0.0	91,0,0
	112.0	0.07	0.17	0.0	87,87,0	0.0	0.0	0.0	0,0,0				
65	0.0	0.10	0.20	0.0	91,91,0	0.0	0.0	0.0	0,0,0	-0.13	0.0	0.0	91,0,0
	112.0	0.11	0.20	0.0	95,95,0	0.0	0.0	0.0	0,0,0				
66	0.0	0.06	0.15	0.0	87,87,0	0.0	0.0	0.0	0,0,0	-0.17	0.0	0.0	91,0,0
	112.0	0.14	0.34	0.0	95,95,0	0.0	0.0	0.0	0,0,0				
Trave		**rRfck**	**rRfyk**	**rPfck**		**wR**	**wF**	**wP**		**dR**	**dF**	**dP**	
		0.37	0.66	0.0		0.19	0.0	0.0		0.11	0.0	0.0	

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
2158	0.25	0.46	0.0	96,96,0	0.09	0.0	0.0	96,0,0
2159	0.12	0.28	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2160	0.12	0.27	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2161	0.12	0.28	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2162	0.35	0.67	0.0	96,96,0	0.19	0.0	0.0	96,0,0
2163	0.11	0.26	0.0	95,95,0	0.0	0.0	0.0	0,0,0
2164	0.13	0.30	0.0	95,95,0	0.0	0.0	0.0	0,0,0
2165	0.14	0.33	0.0	94,96,0	0.0	0.0	0.0	0,0,0
2166	0.14	0.33	0.0	94,96,0	0.0	0.0	0.0	0,0,0
2167	0.12	0.28	0.0	94,94,0	0.0	0.0	0.0	0,0,0
2168	0.14	0.34	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2169	0.15	0.36	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2170	0.16	0.38	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2171	0.16	0.38	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2172	0.16	0.36	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2173	0.14	0.34	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2174	0.15	0.37	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2175	0.16	0.39	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2176	0.16	0.39	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2177	0.16	0.36	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2178	0.27	0.67	0.0	95,95,0	0.17	0.0	0.0	95,0,0
2179	0.25	0.55	0.0	95,95,0	0.0	0.0	0.0	0,0,0
2180	0.24	0.55	0.0	95,95,0	0.0	0.0	0.0	0,0,0
2181	0.23	0.49	0.0	95,95,0	0.0	0.0	0.0	0,0,0
2182	0.19	0.38	0.0	95,95,0	0.0	0.0	0.0	0,0,0
5031	0.21	0.38	0.0	96,96,0	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
5032	0.12	0.24	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5033	0.12	0.24	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5034	0.11	0.21	0.0	92,92,0	0.0	0.0	0.0	0,0,0
5035	0.27	0.50	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5038	0.12	0.24	0.0	95,95,0	0.0	0.0	0.0	0,0,0
5039	0.13	0.27	0.0	95,95,0	0.0	0.0	0.0	0,0,0
5040	0.14	0.28	0.0	95,95,0	0.0	0.0	0.0	0,0,0
5041	0.14	0.28	0.0	95,95,0	0.0	0.0	0.0	0,0,0
5042	0.12	0.25	0.0	95,95,0	0.0	0.0	0.0	0,0,0
5045	0.13	0.25	0.0	92,92,0	0.0	0.0	0.0	0,0,0
5046	0.13	0.27	0.0	95,95,0	0.0	0.0	0.0	0,0,0
5047	0.14	0.28	0.0	95,95,0	0.0	0.0	0.0	0,0,0
5048	0.14	0.28	0.0	95,95,0	0.0	0.0	0.0	0,0,0
5049	0.13	0.26	0.0	92,92,0	0.0	0.0	0.0	0,0,0
5052	0.13	0.25	0.0	92,92,0	0.0	0.0	0.0	0,0,0
5053	0.13	0.26	0.0	92,92,0	0.0	0.0	0.0	0,0,0
5054	0.14	0.27	0.0	92,92,0	0.0	0.0	0.0	0,0,0
5055	0.14	0.28	0.0	92,92,0	0.0	0.0	0.0	0,0,0
5056	0.13	0.26	0.0	92,92,0	0.0	0.0	0.0	0,0,0
5059	0.31	0.69	0.0	95,95,0	0.18	0.0	0.0	95,0,0
5060	0.29	0.66	0.0	95,95,0	0.17	0.0	0.0	95,0,0
5061	0.29	0.67	0.0	95,95,0	0.17	0.0	0.0	95,0,0
5062	0.29	0.68	0.0	95,95,0	0.17	0.0	0.0	95,0,0
5063	0.31	0.73	0.0	95,95,0	0.18	0.0	0.0	95,0,0
	rRfck	**rRfyk**	**rPfck**		**wR**	**wF**	**wP**	
	0.35	0.73	0.0		0.19	0.0	0.0	

3.9.5 PARETI SOMMITALI

Sono pareti principalmente spesse 30 cm e 100 cm che realizzano i canali di grigliatura e sostengono la soletta di sommità.



3.9.5.1 MODELLAZIONE STRUTTURA: NODI

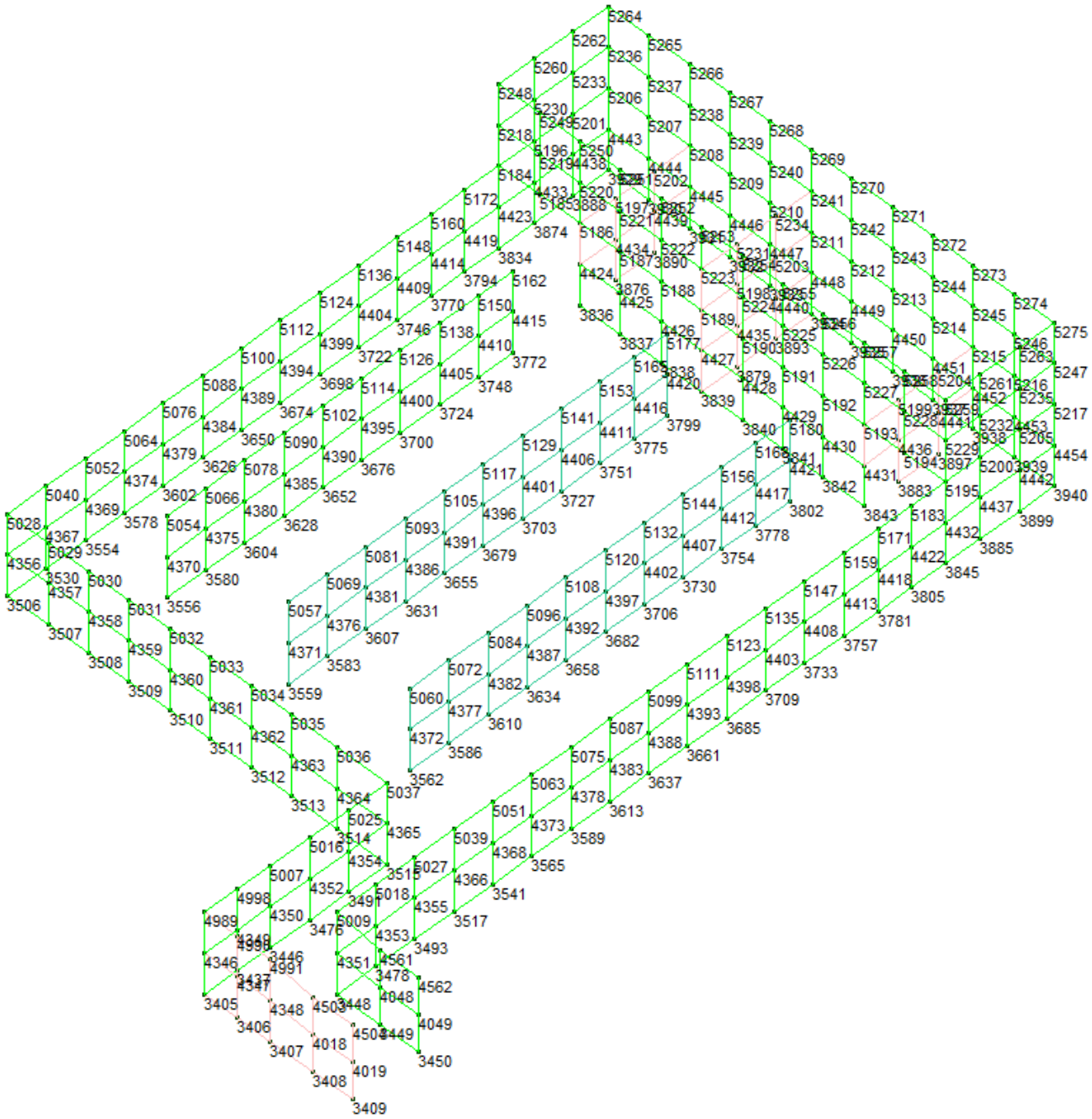
TABELLA DATI NODI

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
3405	974.0	90.0	900.0	3406	1059.0	90.0	900.0	3407	1144.0	90.0	900.0
3408	1254.0	90.0	900.0	3409	1354.0	90.0	900.0	3437	974.0	175.0	900.0
3446	974.0	260.0	900.0	3448	1144.0	260.0	900.0	3449	1254.0	260.0	900.0
3450	1354.0	260.0	900.0	3476	974.0	360.0	900.0	3478	1144.0	360.0	900.0
3491	974.0	460.0	900.0	3493	1144.0	460.0	900.0	3506	0.0	560.0	900.0
3507	104.0	560.0	900.0	3508	208.0	560.0	900.0	3509	312.0	560.0	900.0
3510	416.0	560.0	900.0	3511	520.0	560.0	900.0	3512	624.0	560.0	900.0
3513	728.0	560.0	900.0	3514	847.0	560.0	900.0	3515	974.0	560.0	900.0
3517	1144.0	560.0	900.0	3530	0.0	660.0	900.0	3541	1144.0	660.0	900.0
3554	0.0	760.0	900.0	3556	208.0	760.0	900.0	3559	520.0	760.0	900.0
3562	832.0	760.0	900.0	3565	1144.0	760.0	900.0	3578	0.0	860.0	900.0
3580	208.0	860.0	900.0	3583	520.0	860.0	900.0	3586	832.0	860.0	900.0
3589	1144.0	860.0	900.0	3602	0.0	960.0	900.0	3604	208.0	960.0	900.0
3607	520.0	960.0	900.0	3610	832.0	960.0	900.0	3613	1144.0	960.0	900.0
3626	0.0	1060.0	900.0	3628	208.0	1060.0	900.0	3631	520.0	1060.0	900.0
3634	832.0	1060.0	900.0	3637	1144.0	1060.0	900.0	3650	0.0	1160.0	900.0
3652	208.0	1160.0	900.0	3655	520.0	1160.0	900.0	3658	832.0	1160.0	900.0
3661	1144.0	1160.0	900.0	3674	0.0	1260.0	900.0	3676	208.0	1260.0	900.0
3679	520.0	1260.0	900.0	3682	832.0	1260.0	900.0	3685	1144.0	1260.0	900.0
3698	0.0	1360.0	900.0	3700	208.0	1360.0	900.0	3703	520.0	1360.0	900.0
3706	832.0	1360.0	900.0	3709	1144.0	1360.0	900.0	3722	0.0	1460.0	900.0
3724	208.0	1460.0	900.0	3727	520.0	1460.0	900.0	3730	832.0	1460.0	900.0
3733	1144.0	1460.0	900.0	3746	0.0	1560.0	900.0	3748	208.0	1560.0	900.0
3751	520.0	1560.0	900.0	3754	832.0	1560.0	900.0	3757	1144.0	1560.0	900.0
3770	0.0	1647.5	900.0	3772	208.0	1647.5	900.0	3775	520.0	1647.5	900.0

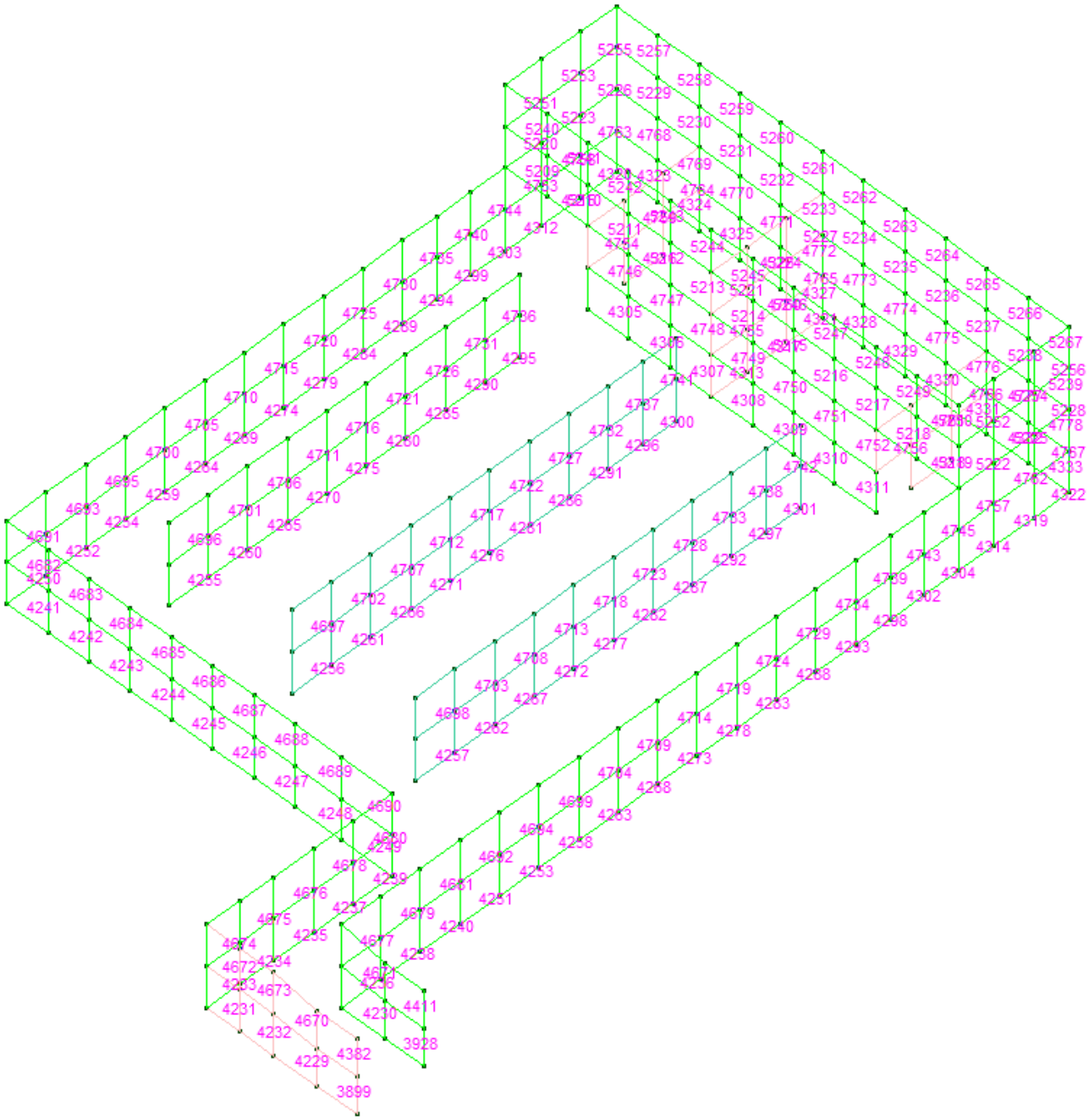
Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
3778	832.0	1647.5	900.0	3781	1144.0	1647.5	900.0	3794	0.0	1732.5	900.0
3799	520.0	1732.5	900.0	3802	832.0	1732.5	900.0	3805	1144.0	1732.5	900.0
3834	0.0	1820.0	900.0	3836	208.0	1820.0	900.0	3837	312.0	1820.0	900.0
3838	416.0	1820.0	900.0	3839	520.0	1820.0	900.0	3840	624.0	1820.0	900.0
3841	728.0	1820.0	900.0	3842	832.0	1820.0	900.0	3843	936.0	1820.0	900.0
3845	1144.0	1820.0	900.0	3874	0.0	1910.0	900.0	3876	208.0	1910.0	900.0
3879	520.0	1910.0	900.0	3883	936.0	1910.0	900.0	3885	1144.0	1910.0	900.0
3888	0.0	2010.0	900.0	3890	208.0	2010.0	900.0	3893	520.0	2010.0	900.0
3897	936.0	2010.0	900.0	3899	1144.0	2010.0	900.0	3929	0.0	2100.0	900.0
3930	104.0	2100.0	900.0	3931	208.0	2100.0	900.0	3932	312.0	2100.0	900.0
3933	416.0	2100.0	900.0	3934	520.0	2100.0	900.0	3935	624.0	2100.0	900.0
3936	728.0	2100.0	900.0	3937	832.0	2100.0	900.0	3938	936.0	2100.0	900.0
3939	1040.0	2100.0	900.0	3940	1144.0	2100.0	900.0	4018	1254.0	90.0	995.0
4019	1354.0	90.0	995.0	4048	1254.0	260.0	995.0	4049	1354.0	260.0	995.0
4346	974.0	90.0	1005.0	4347	1059.0	90.0	1005.0	4348	1144.0	90.0	1005.0
4349	974.0	175.0	1005.0	4350	974.0	260.0	1005.0	4351	1144.0	260.0	1005.0
4352	974.0	360.0	1005.0	4353	1144.0	360.0	1005.0	4354	974.0	460.0	1005.0
4355	1144.0	460.0	1005.0	4356	0.0	560.0	1005.0	4357	104.0	560.0	1005.0
4358	208.0	560.0	1005.0	4359	312.0	560.0	1005.0	4360	416.0	560.0	1005.0
4361	520.0	560.0	1005.0	4362	624.0	560.0	1005.0	4363	728.0	560.0	1005.0
4364	847.0	560.0	1005.0	4365	974.0	560.0	1005.0	4366	1144.0	560.0	1005.0
4367	0.0	660.0	1005.0	4368	1144.0	660.0	1005.0	4369	0.0	760.0	1005.0
4370	208.0	760.0	1005.0	4371	520.0	760.0	1005.0	4372	832.0	760.0	1005.0
4373	1144.0	760.0	1005.0	4374	0.0	860.0	1005.0	4375	208.0	860.0	1005.0
4376	520.0	860.0	1005.0	4377	832.0	860.0	1005.0	4378	1144.0	860.0	1005.0
4379	0.0	960.0	1005.0	4380	208.0	960.0	1005.0	4381	520.0	960.0	1005.0
4382	832.0	960.0	1005.0	4383	1144.0	960.0	1005.0	4384	0.0	1060.0	1005.0
4385	208.0	1060.0	1005.0	4386	520.0	1060.0	1005.0	4387	832.0	1060.0	1005.0
4388	1144.0	1060.0	1005.0	4389	0.0	1160.0	1005.0	4390	208.0	1160.0	1005.0
4391	520.0	1160.0	1005.0	4392	832.0	1160.0	1005.0	4393	1144.0	1160.0	1005.0
4394	0.0	1260.0	1005.0	4395	208.0	1260.0	1005.0	4396	520.0	1260.0	1005.0
4397	832.0	1260.0	1005.0	4398	1144.0	1260.0	1005.0	4399	0.0	1360.0	1005.0
4400	208.0	1360.0	1005.0	4401	520.0	1360.0	1005.0	4402	832.0	1360.0	1005.0
4403	1144.0	1360.0	1005.0	4404	0.0	1460.0	1005.0	4405	208.0	1460.0	1005.0
4406	520.0	1460.0	1005.0	4407	832.0	1460.0	1005.0	4408	1144.0	1460.0	1005.0
4409	0.0	1560.0	1005.0	4410	208.0	1560.0	1005.0	4411	520.0	1560.0	1005.0
4412	832.0	1560.0	1005.0	4413	1144.0	1560.0	1005.0	4414	0.0	1647.5	1005.0
4415	208.0	1647.5	1005.0	4416	520.0	1647.5	1005.0	4417	832.0	1647.5	1005.0
4418	1144.0	1647.5	1005.0	4419	0.0	1732.5	1005.0	4420	520.0	1732.5	1005.0
4421	832.0	1732.5	1005.0	4422	1144.0	1732.5	1005.0	4423	0.0	1820.0	1005.0
4424	208.0	1820.0	1005.0	4425	312.0	1820.0	1005.0	4426	416.0	1820.0	1005.0
4427	520.0	1820.0	1005.0	4428	624.0	1820.0	1005.0	4429	728.0	1820.0	1005.0
4430	832.0	1820.0	1005.0	4431	936.0	1820.0	1005.0	4432	1144.0	1820.0	1005.0
4433	0.0	1910.0	1005.0	4434	208.0	1910.0	1005.0	4435	520.0	1910.0	1005.0
4436	936.0	1910.0	1005.0	4437	1144.0	1910.0	1005.0	4438	0.0	2010.0	1005.0
4439	208.0	2010.0	1005.0	4440	520.0	2010.0	1005.0	4441	936.0	2010.0	1005.0
4442	1144.0	2010.0	1005.0	4443	0.0	2100.0	1005.0	4444	104.0	2100.0	1005.0
4445	208.0	2100.0	1005.0	4446	312.0	2100.0	1005.0	4447	416.0	2100.0	1005.0
4448	520.0	2100.0	1005.0	4449	624.0	2100.0	1005.0	4450	728.0	2100.0	1005.0
4451	832.0	2100.0	1005.0	4452	936.0	2100.0	1005.0	4453	1040.0	2100.0	1005.0
4454	1144.0	2100.0	1005.0	4503	1254.0	90.0	1090.0	4504	1354.0	90.0	1090.0
4561	1254.0	260.0	1090.0	4562	1354.0	260.0	1090.0	4989	974.0	90.0	1110.0
4990	1059.0	90.0	1110.0	4991	1144.0	90.0	1110.0	4998	974.0	175.0	1110.0
5007	974.0	260.0	1110.0	5009	1144.0	260.0	1110.0	5016	974.0	360.0	1110.0
5018	1144.0	360.0	1110.0	5025	974.0	460.0	1110.0	5027	1144.0	460.0	1110.0
5028	0.0	560.0	1110.0	5029	104.0	560.0	1110.0	5030	208.0	560.0	1110.0
5031	312.0	560.0	1110.0	5032	416.0	560.0	1110.0	5033	520.0	560.0	1110.0
5034	624.0	560.0	1110.0	5035	728.0	560.0	1110.0	5036	847.0	560.0	1110.0
5037	974.0	560.0	1110.0	5039	1144.0	560.0	1110.0	5040	0.0	660.0	1110.0
5051	1144.0	660.0	1110.0	5052	0.0	760.0	1110.0	5054	208.0	760.0	1110.0
5057	520.0	760.0	1110.0	5060	832.0	760.0	1110.0	5063	1144.0	760.0	1110.0
5064	0.0	860.0	1110.0	5066	208.0	860.0	1110.0	5069	520.0	860.0	1110.0
5072	832.0	860.0	1110.0	5075	1144.0	860.0	1110.0	5076	0.0	960.0	1110.0
5078	208.0	960.0	1110.0	5081	520.0	960.0	1110.0	5084	832.0	960.0	1110.0
5087	1144.0	960.0	1110.0	5088	0.0	1060.0	1110.0	5090	208.0	1060.0	1110.0
5093	520.0	1060.0	1110.0	5096	832.0	1060.0	1110.0	5099	1144.0	1060.0	1110.0
5100	0.0	1160.0	1110.0	5102	208.0	1160.0	1110.0	5105	520.0	1160.0	1110.0
5108	832.0	1160.0	1110.0	5111	1144.0	1160.0	1110.0	5112	0.0	1260.0	1110.0
5114	208.0	1260.0	1110.0	5117	520.0	1260.0	1110.0	5120	832.0	1260.0	1110.0
5123	1144.0	1260.0	1110.0	5124	0.0	1360.0	1110.0	5126	208.0	1360.0	1110.0
5129	520.0	1360.0	1110.0	5132	832.0	1360.0	1110.0	5135	1144.0	1360.0	1110.0
5136	0.0	1460.0	1110.0	5138	208.0	1460.0	1110.0	5141	520.0	1460.0	1110.0
5144	832.0	1460.0	1110.0	5147	1144.0	1460.0	1110.0	5148	0.0	1560.0	1110.0
5150	208.0	1560.0	1110.0	5153	520.0	1560.0	1110.0	5156	832.0	1560.0	1110.0

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
5159	1144.0	1560.0	1110.0	5160	0.0	1647.5	1110.0	5162	208.0	1647.5	1110.0
5165	520.0	1647.5	1110.0	5168	832.0	1647.5	1110.0	5171	1144.0	1647.5	1110.0
5172	0.0	1732.5	1110.0	5177	520.0	1732.5	1110.0	5180	832.0	1732.5	1110.0
5183	1144.0	1732.5	1110.0	5184	0.0	1820.0	1110.0	5185	104.0	1820.0	1110.0
5186	208.0	1820.0	1110.0	5187	312.0	1820.0	1110.0	5188	416.0	1820.0	1110.0
5189	520.0	1820.0	1110.0	5190	624.0	1820.0	1110.0	5191	728.0	1820.0	1110.0
5192	832.0	1820.0	1110.0	5193	936.0	1820.0	1110.0	5194	1040.0	1820.0	1110.0
5195	1144.0	1820.0	1110.0	5196	0.0	1910.0	1110.0	5197	208.0	1910.0	1110.0
5198	520.0	1910.0	1110.0	5199	936.0	1910.0	1110.0	5200	1144.0	1910.0	1110.0
5201	0.0	2010.0	1110.0	5202	208.0	2010.0	1110.0	5203	520.0	2010.0	1110.0
5204	936.0	2010.0	1110.0	5205	1144.0	2010.0	1110.0	5206	0.0	2100.0	1110.0
5207	104.0	2100.0	1110.0	5208	208.0	2100.0	1110.0	5209	312.0	2100.0	1110.0
5210	416.0	2100.0	1110.0	5211	520.0	2100.0	1110.0	5212	624.0	2100.0	1110.0
5213	728.0	2100.0	1110.0	5214	832.0	2100.0	1110.0	5215	936.0	2100.0	1110.0
5216	1040.0	2100.0	1110.0	5217	1144.0	2100.0	1110.0	5218	0.0	1820.0	1215.0
5219	104.0	1820.0	1215.0	5220	208.0	1820.0	1215.0	5221	312.0	1820.0	1215.0
5222	416.0	1820.0	1215.0	5223	520.0	1820.0	1215.0	5224	624.0	1820.0	1215.0
5225	728.0	1820.0	1215.0	5226	832.0	1820.0	1215.0	5227	936.0	1820.0	1215.0
5228	1040.0	1820.0	1215.0	5229	1144.0	1820.0	1215.0	5230	0.0	1910.0	1215.0
5231	520.0	1910.0	1215.0	5232	1144.0	1910.0	1215.0	5233	0.0	2010.0	1215.0
5234	520.0	2010.0	1215.0	5235	1144.0	2010.0	1215.0	5236	0.0	2100.0	1215.0
5237	104.0	2100.0	1215.0	5238	208.0	2100.0	1215.0	5239	312.0	2100.0	1215.0
5240	416.0	2100.0	1215.0	5241	520.0	2100.0	1215.0	5242	624.0	2100.0	1215.0
5243	728.0	2100.0	1215.0	5244	832.0	2100.0	1215.0	5245	936.0	2100.0	1215.0
5246	1040.0	2100.0	1215.0	5247	1144.0	2100.0	1215.0	5248	0.0	1820.0	1320.0
5249	104.0	1820.0	1320.0	5250	208.0	1820.0	1320.0	5251	312.0	1820.0	1320.0
5252	416.0	1820.0	1320.0	5253	520.0	1820.0	1320.0	5254	624.0	1820.0	1320.0
5255	728.0	1820.0	1320.0	5256	832.0	1820.0	1320.0	5257	936.0	1820.0	1320.0
5258	1040.0	1820.0	1320.0	5259	1144.0	1820.0	1320.0	5260	0.0	1910.0	1320.0
5261	1144.0	1910.0	1320.0	5262	0.0	2010.0	1320.0	5263	1144.0	2010.0	1320.0
5264	0.0	2100.0	1320.0	5265	104.0	2100.0	1320.0	5266	208.0	2100.0	1320.0
5267	312.0	2100.0	1320.0	5268	416.0	2100.0	1320.0	5269	520.0	2100.0	1320.0
5270	624.0	2100.0	1320.0	5271	728.0	2100.0	1320.0	5272	832.0	2100.0	1320.0
5273	936.0	2100.0	1320.0	5274	1040.0	2100.0	1320.0	5275	1144.0	2100.0	1320.0

Numerazione nodi



Numerazione elementi



3.9.5.2 MODELLAZIONE STRUTTURA: ELEMENTI SHELL

TABELLA DATI SHELL

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
3899	Setto	4018	4019	3409	3408	4	25.0		
3928	Setto	4048	4049	3450	3449	4	30.0		
4229	Setto	4348	4018	3408	3407	4	25.0		
4230	Setto	4351	4048	3449	3448	4	30.0		
4231	Setto	4346	4347	3406	3405	4	25.0		
4232	Setto	4347	4348	3407	3406	4	25.0		
4233	Setto	3405	3437	4349	4346	4	30.0		
4234	Setto	3437	3446	4350	4349	4	30.0		
4235	Setto	3446	3476	4352	4350	4	30.0		
4236	Setto	3448	3478	4353	4351	4	30.0		
4237	Setto	3476	3491	4354	4352	4	30.0		
4238	Setto	3478	3493	4355	4353	4	30.0		
4239	Setto	3491	3515	4365	4354	4	30.0		
4240	Setto	3493	3517	4366	4355	4	30.0		
4241	Setto	4356	4357	3507	3506	4	30.0		
4242	Setto	4357	4358	3508	3507	4	30.0		
4243	Setto	4358	4359	3509	3508	4	30.0		
4244	Setto	4359	4360	3510	3509	4	30.0		
4245	Setto	4360	4361	3511	3510	4	30.0		
4246	Setto	4361	4362	3512	3511	4	30.0		
4247	Setto	4362	4363	3513	3512	4	30.0		
4248	Setto	4363	4364	3514	3513	4	30.0		
4249	Setto	4364	4365	3515	3514	4	30.0		
4250	Setto	3506	3530	4367	4356	4	30.0		
4251	Setto	3517	3541	4368	4366	4	30.0		
4252	Setto	3530	3554	4369	4367	4	30.0		
4253	Setto	3541	3565	4373	4368	4	30.0		
4254	Setto	3554	3578	4374	4369	4	30.0		
4255	Setto	3556	3580	4375	4370	4	30.0		
4256	Setto	3559	3583	4376	4371	4	100.0		
4257	Setto	3562	3586	4377	4372	4	100.0		
4258	Setto	3565	3589	4378	4373	4	30.0		
4259	Setto	3578	3602	4379	4374	4	30.0		
4260	Setto	3580	3604	4380	4375	4	30.0		
4261	Setto	3583	3607	4381	4376	4	100.0		
4262	Setto	3586	3610	4382	4377	4	100.0		
4263	Setto	3589	3613	4383	4378	4	30.0		
4264	Setto	3602	3626	4384	4379	4	30.0		
4265	Setto	3604	3628	4385	4380	4	30.0		
4266	Setto	3607	3631	4386	4381	4	100.0		
4267	Setto	3610	3634	4387	4382	4	100.0		
4268	Setto	3613	3637	4388	4383	4	30.0		
4269	Setto	3626	3650	4389	4384	4	30.0		
4270	Setto	3628	3652	4390	4385	4	30.0		
4271	Setto	3631	3655	4391	4386	4	100.0		
4272	Setto	3634	3658	4392	4387	4	100.0		
4273	Setto	3637	3661	4393	4388	4	30.0		
4274	Setto	3650	3674	4394	4389	4	30.0		
4275	Setto	3652	3676	4395	4390	4	30.0		
4276	Setto	3655	3679	4396	4391	4	100.0		
4277	Setto	3658	3682	4397	4392	4	100.0		
4278	Setto	3661	3685	4398	4393	4	30.0		
4279	Setto	3674	3698	4399	4394	4	30.0		
4280	Setto	3676	3700	4400	4395	4	30.0		
4281	Setto	3679	3703	4401	4396	4	100.0		
4282	Setto	3682	3706	4402	4397	4	100.0		
4283	Setto	3685	3709	4403	4398	4	30.0		
4284	Setto	3698	3722	4404	4399	4	30.0		
4285	Setto	3700	3724	4405	4400	4	30.0		
4286	Setto	3703	3727	4406	4401	4	100.0		
4287	Setto	3706	3730	4407	4402	4	100.0		
4288	Setto	3709	3733	4408	4403	4	30.0		
4289	Setto	3722	3746	4409	4404	4	30.0		
4290	Setto	3724	3748	4410	4405	4	30.0		
4291	Setto	3727	3751	4411	4406	4	100.0		
4292	Setto	3730	3754	4412	4407	4	100.0		
4293	Setto	3733	3757	4413	4408	4	30.0		
4294	Setto	3746	3770	4414	4409	4	30.0		

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
4295	Setto	3748	3772	4415	4410	4	30.0		
4296	Setto	3751	3775	4416	4411	4	100.0		
4297	Setto	3754	3778	4417	4412	4	100.0		
4298	Setto	3757	3781	4418	4413	4	30.0		
4299	Setto	3770	3794	4419	4414	4	30.0		
4300	Setto	3775	3799	4420	4416	4	100.0		
4301	Setto	3778	3802	4421	4417	4	100.0		
4302	Setto	3781	3805	4422	4418	4	30.0		
4303	Setto	3794	3834	4423	4419	4	30.0		
4304	Setto	3805	3845	4432	4422	4	30.0		
4305	Setto	4424	4425	3837	3836	4	30.0		
4306	Setto	4425	4426	3838	3837	4	30.0		
4307	Setto	4426	4427	3839	3838	4	30.0		
4308	Setto	4427	4428	3840	3839	4	30.0		
4309	Setto	4428	4429	3841	3840	4	30.0		
4310	Setto	4429	4430	3842	3841	4	30.0		
4311	Setto	4430	4431	3843	3842	4	30.0		
4312	Setto	3834	3874	4433	4423	4	30.0		
4313	Setto	3839	3879	4435	4427	4	25.0		
4314	Setto	3845	3885	4437	4432	4	30.0		
4315	Setto	3874	3888	4438	4433	4	30.0		
4316	Setto	3876	3890	4439	4434	4	25.0		
4317	Setto	3879	3893	4440	4435	4	25.0		
4318	Setto	3883	3897	4441	4436	4	25.0		
4319	Setto	3885	3899	4442	4437	4	30.0		
4320	Setto	3888	3929	4443	4438	4	30.0		
4321	Setto	3893	3934	4448	4440	4	25.0		
4322	Setto	3899	3940	4454	4442	4	30.0		
4323	Setto	4443	4444	3930	3929	4	30.0		
4324	Setto	4444	4445	3931	3930	4	30.0		
4325	Setto	4445	4446	3932	3931	4	30.0		
4326	Setto	4446	4447	3933	3932	4	30.0		
4327	Setto	4447	4448	3934	3933	4	30.0		
4328	Setto	4448	4449	3935	3934	4	30.0		
4329	Setto	4449	4450	3936	3935	4	30.0		
4330	Setto	4450	4451	3937	3936	4	30.0		
4331	Setto	4451	4452	3938	3937	4	30.0		
4332	Setto	4452	4453	3939	3938	4	30.0		
4333	Setto	4453	4454	3940	3939	4	30.0		
4382	Setto	4503	4504	4019	4018	4	25.0		
4411	Setto	4561	4562	4049	4048	4	30.0		
4670	Setto	4991	4503	4018	4348	4	25.0		
4671	Setto	5009	4561	4048	4351	4	30.0		
4672	Setto	4989	4990	4347	4346	4	25.0		
4673	Setto	4990	4991	4348	4347	4	25.0		
4674	Setto	4346	4349	4998	4989	4	30.0		
4675	Setto	4349	4350	5007	4998	4	30.0		
4676	Setto	4350	4352	5016	5007	4	30.0		
4677	Setto	4351	4353	5018	5009	4	30.0		
4678	Setto	4352	4354	5025	5016	4	30.0		
4679	Setto	4353	4355	5027	5018	4	30.0		
4680	Setto	4354	4365	5037	5025	4	30.0		
4681	Setto	4355	4366	5039	5027	4	30.0		
4682	Setto	5028	5029	4357	4356	4	30.0		
4683	Setto	5029	5030	4358	4357	4	30.0		
4684	Setto	5030	5031	4359	4358	4	30.0		
4685	Setto	5031	5032	4360	4359	4	30.0		
4686	Setto	5032	5033	4361	4360	4	30.0		
4687	Setto	5033	5034	4362	4361	4	30.0		
4688	Setto	5034	5035	4363	4362	4	30.0		
4689	Setto	5035	5036	4364	4363	4	30.0		
4690	Setto	5036	5037	4365	4364	4	30.0		
4691	Setto	4356	4367	5040	5028	4	30.0		
4692	Setto	4366	4368	5051	5039	4	30.0		
4693	Setto	4367	4369	5052	5040	4	30.0		
4694	Setto	4368	4373	5063	5051	4	30.0		
4695	Setto	4369	4374	5064	5052	4	30.0		
4696	Setto	4370	4375	5066	5054	4	30.0		
4697	Setto	4371	4376	5069	5057	4	100.0		
4698	Setto	4372	4377	5072	5060	4	100.0		
4699	Setto	4373	4378	5075	5063	4	30.0		
4700	Setto	4374	4379	5076	5064	4	30.0		
4701	Setto	4375	4380	5078	5066	4	30.0		
4702	Setto	4376	4381	5081	5069	4	100.0		

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
4703	Setto	4377	4382	5084	5072	4	100.0		
4704	Setto	4378	4383	5087	5075	4	30.0		
4705	Setto	4379	4384	5088	5076	4	30.0		
4706	Setto	4380	4385	5090	5078	4	30.0		
4707	Setto	4381	4386	5093	5081	4	100.0		
4708	Setto	4382	4387	5096	5084	4	100.0		
4709	Setto	4383	4388	5099	5087	4	30.0		
4710	Setto	4384	4389	5100	5088	4	30.0		
4711	Setto	4385	4390	5102	5090	4	30.0		
4712	Setto	4386	4391	5105	5093	4	100.0		
4713	Setto	4387	4392	5108	5096	4	100.0		
4714	Setto	4388	4393	5111	5099	4	30.0		
4715	Setto	4389	4394	5112	5100	4	30.0		
4716	Setto	4390	4395	5114	5102	4	30.0		
4717	Setto	4391	4396	5117	5105	4	100.0		
4718	Setto	4392	4397	5120	5108	4	100.0		
4719	Setto	4393	4398	5123	5111	4	30.0		
4720	Setto	4394	4399	5124	5112	4	30.0		
4721	Setto	4395	4400	5126	5114	4	30.0		
4722	Setto	4396	4401	5129	5117	4	100.0		
4723	Setto	4397	4402	5132	5120	4	100.0		
4724	Setto	4398	4403	5135	5123	4	30.0		
4725	Setto	4399	4404	5136	5124	4	30.0		
4726	Setto	4400	4405	5138	5126	4	30.0		
4727	Setto	4401	4406	5141	5129	4	100.0		
4728	Setto	4402	4407	5144	5132	4	100.0		
4729	Setto	4403	4408	5147	5135	4	30.0		
4730	Setto	4404	4409	5148	5136	4	30.0		
4731	Setto	4405	4410	5150	5138	4	30.0		
4732	Setto	4406	4411	5153	5141	4	100.0		
4733	Setto	4407	4412	5156	5144	4	100.0		
4734	Setto	4408	4413	5159	5147	4	30.0		
4735	Setto	4409	4414	5160	5148	4	30.0		
4736	Setto	4410	4415	5162	5150	4	30.0		
4737	Setto	4411	4416	5165	5153	4	100.0		
4738	Setto	4412	4417	5168	5156	4	100.0		
4739	Setto	4413	4418	5171	5159	4	30.0		
4740	Setto	4414	4419	5172	5160	4	30.0		
4741	Setto	4416	4420	5177	5165	4	100.0		
4742	Setto	4417	4421	5180	5168	4	100.0		
4743	Setto	4418	4422	5183	5171	4	30.0		
4744	Setto	4419	4423	5184	5172	4	30.0		
4745	Setto	4422	4432	5195	5183	4	30.0		
4746	Setto	5186	5187	4425	4424	4	30.0		
4747	Setto	5187	5188	4426	4425	4	30.0		
4748	Setto	5188	5189	4427	4426	4	30.0		
4749	Setto	5189	5190	4428	4427	4	30.0		
4750	Setto	5190	5191	4429	4428	4	30.0		
4751	Setto	5191	5192	4430	4429	4	30.0		
4752	Setto	5192	5193	4431	4430	4	30.0		
4753	Setto	4423	4433	5196	5184	4	30.0		
4754	Setto	4424	4434	5197	5186	4	25.0		
4755	Setto	4427	4435	5198	5189	4	25.0		
4756	Setto	4431	4436	5199	5193	4	25.0		
4757	Setto	4432	4437	5200	5195	4	30.0		
4758	Setto	4433	4438	5201	5196	4	30.0		
4759	Setto	4434	4439	5202	5197	4	25.0		
4760	Setto	4435	4440	5203	5198	4	25.0		
4761	Setto	4436	4441	5204	5199	4	25.0		
4762	Setto	4437	4442	5205	5200	4	30.0		
4763	Setto	4438	4443	5206	5201	4	30.0		
4764	Setto	4439	4445	5208	5202	4	25.0		
4765	Setto	4440	4448	5211	5203	4	25.0		
4766	Setto	4441	4452	5215	5204	4	25.0		
4767	Setto	4442	4454	5217	5205	4	30.0		
4768	Setto	5206	5207	4444	4443	4	30.0		
4769	Setto	5207	5208	4445	4444	4	30.0		
4770	Setto	5208	5209	4446	4445	4	30.0		
4771	Setto	5209	5210	4447	4446	4	30.0		
4772	Setto	5210	5211	4448	4447	4	30.0		
4773	Setto	5211	5212	4449	4448	4	30.0		
4774	Setto	5212	5213	4450	4449	4	30.0		
4775	Setto	5213	5214	4451	4450	4	30.0		
4776	Setto	5214	5215	4452	4451	4	30.0		

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
4777	Setto	5215	5216	4453	4452	4	30.0		
4778	Setto	5216	5217	4454	4453	4	30.0		
5209	Setto	5218	5219	5185	5184	4	30.0		
5210	Setto	5219	5220	5186	5185	4	30.0		
5211	Setto	5220	5221	5187	5186	4	30.0		
5212	Setto	5221	5222	5188	5187	4	30.0		
5213	Setto	5222	5223	5189	5188	4	30.0		
5214	Setto	5223	5224	5190	5189	4	30.0		
5215	Setto	5224	5225	5191	5190	4	30.0		
5216	Setto	5225	5226	5192	5191	4	30.0		
5217	Setto	5226	5227	5193	5192	4	30.0		
5218	Setto	5227	5228	5194	5193	4	30.0		
5219	Setto	5228	5229	5195	5194	4	30.0		
5220	Setto	5184	5196	5230	5218	4	30.0		
5221	Setto	5189	5198	5231	5223	4	25.0		
5222	Setto	5195	5200	5232	5229	4	30.0		
5223	Setto	5196	5201	5233	5230	4	30.0		
5224	Setto	5198	5203	5234	5231	4	25.0		
5225	Setto	5200	5205	5235	5232	4	30.0		
5226	Setto	5201	5206	5236	5233	4	30.0		
5227	Setto	5203	5211	5241	5234	4	25.0		
5228	Setto	5205	5217	5247	5235	4	30.0		
5229	Setto	5236	5237	5207	5206	4	30.0		
5230	Setto	5237	5238	5208	5207	4	30.0		
5231	Setto	5238	5239	5209	5208	4	30.0		
5232	Setto	5239	5240	5210	5209	4	30.0		
5233	Setto	5240	5241	5211	5210	4	30.0		
5234	Setto	5241	5242	5212	5211	4	30.0		
5235	Setto	5242	5243	5213	5212	4	30.0		
5236	Setto	5243	5244	5214	5213	4	30.0		
5237	Setto	5244	5245	5215	5214	4	30.0		
5238	Setto	5245	5246	5216	5215	4	30.0		
5239	Setto	5246	5247	5217	5216	4	30.0		
5240	Setto	5248	5249	5219	5218	4	30.0		
5241	Setto	5249	5250	5220	5219	4	30.0		
5242	Setto	5250	5251	5221	5220	4	30.0		
5243	Setto	5251	5252	5222	5221	4	30.0		
5244	Setto	5252	5253	5223	5222	4	30.0		
5245	Setto	5253	5254	5224	5223	4	30.0		
5246	Setto	5254	5255	5225	5224	4	30.0		
5247	Setto	5255	5256	5226	5225	4	30.0		
5248	Setto	5256	5257	5227	5226	4	30.0		
5249	Setto	5257	5258	5228	5227	4	30.0		
5250	Setto	5258	5259	5229	5228	4	30.0		
5251	Setto	5218	5230	5260	5248	4	30.0		
5252	Setto	5229	5232	5261	5259	4	30.0		
5253	Setto	5230	5233	5262	5260	4	30.0		
5254	Setto	5232	5235	5263	5261	4	30.0		
5255	Setto	5233	5236	5264	5262	4	30.0		
5256	Setto	5235	5247	5275	5263	4	30.0		
5257	Setto	5264	5265	5237	5236	4	30.0		
5258	Setto	5265	5266	5238	5237	4	30.0		
5259	Setto	5266	5267	5239	5238	4	30.0		
5260	Setto	5267	5268	5240	5239	4	30.0		
5261	Setto	5268	5269	5241	5240	4	30.0		
5262	Setto	5269	5270	5242	5241	4	30.0		
5263	Setto	5270	5271	5243	5242	4	30.0		
5264	Setto	5271	5272	5244	5243	4	30.0		
5265	Setto	5272	5273	5245	5244	4	30.0		
5266	Setto	5273	5274	5246	5245	4	30.0		
5267	Setto	5274	5275	5247	5246	4	30.0		

3.9.5.3 VERIFICHE ELEMENTI PARETE E GUSCIO IN C.A.

TABELLA VERIFICHE ELEMENTI PARETE IN C.A.

M_S	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
49	ok 3405	0.13	0.4	4.06e-02	5.7	5.7	3.9	3.9	-53.7	-97.1	76.9	1321.1	131.4	74.5
49	ok 3406	0.13	0.3	0.3	5.7	5.7	3.9	3.9	-780.0	-460.5	-254.2	1811.6	479.1	-511.3
49	ok 3407	0.16	0.9	9.64e-02	5.7	9.7	3.9	6.1	-30.1	-286.7	19.8	5104.0	1361.2	-128.3
49	ok 3408	0.13	0.7	0.1	5.7	5.7	3.9	3.9	-341.4	-92.5	-82.7	4127.9	903.2	-383.8
49	ok 3409	0.17	0.9	3.33e-03	5.7	11.2	3.9	4.3	157.5	-7.2	26.2	5659.9	747.9	-81.1
49	ok 4018	0.13	0.6	6.13e-02	5.7	5.7	3.9	3.9	-156.8	-10.9	-64.0	-1815.7	-803.1	-154.5
49	ok 4019	0.13	0.6	1.16e-02	5.7	5.7	3.9	3.9	8.0	37.6	-20.3	-2311.2	-577.7	144.6
49	ok 4346	0.13	0.7	0.1	5.7	6.4	3.9	4.6	-109.3	36.5	238.9	-184.6	266.4	439.6
49	ok 4347	0.13	0.7	9.50e-02	5.8	6.0	4.1	4.3	-204.3	2.2	170.5	-968.6	-391.6	685.0
49	ok 4348	0.13	0.4	7.31e-02	5.7	5.7	3.9	3.9	-173.1	14.2	19.0	-1880.3	-179.5	411.9
49	ok 4503	0.13	0.8	3.63e-02	6.1	5.7	4.9	3.9	-117.2	151.2	-23.0	-4658.4	-1261.8	-342.1
49	ok 4504	0.13	0.9	1.64e-02	5.7	5.7	3.9	3.9	-58.0	2.7	-8.5	-4438.8	-503.3	-88.8
49	ok 4989	0.13	0.2	3.22e-02	5.7	5.7	3.9	3.9	-12.6	88.9	154.7	-682.1	94.3	46.5
49	ok 4990	0.15	0.8	3.24e-02	7.4	5.7	6.8	3.9	-104.5	243.2	93.3	-2032.0	-825.9	-273.7
49	ok 4991	0.14	0.8	3.17e-02	6.8	5.7	6.5	3.9	-117.5	252.6	14.0	-3785.0	-934.2	-337.8

M_S		x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									-780.00	-460.50	-254.15	-4658.44	-1261.81	-511.29
		0.17	0.90	0.27	7.37	11.16	6.78	6.06	157.48	252.62	238.89	5659.89	1361.20	685.02

M_S	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
50	ok 3448	0.11	0.8	7.94e-02	5.7	6.0	3.9	8.2	-364.4	291.4	51.8	7188.2	2703.6	-191.5
50	ok 3449	0.13	0.9	4.10e-02	5.7	10.9	3.9	6.4	143.6	186.3	88.2	6036.6	1344.7	10.1
50	ok 3450	0.11	0.9	1.31e-02	5.7	6.2	3.9	3.9	68.6	-42.6	-46.1	-1200.2	91.6	-131.4
50	ok 4048	0.10	0.6	1.65e-02	5.7	5.7	3.9	3.9	7.4	-20.8	40.2	3471.5	964.8	-277.6
50	ok 4049	0.10	0.6	1.08e-02	5.7	5.7	3.9	3.9	59.4	20.8	-35.4	-2228.9	-476.2	-184.5
50	ok 4351	0.10	0.8	6.29e-02	6.0	5.7	4.2	3.9	-223.5	-169.5	88.4	1966.9	321.1	426.2
50	ok 4561	0.11	0.9	5.67e-02	6.4	5.7	4.2	3.9	41.1	-74.5	29.2	-4732.2	-1121.4	-310.9
50	ok 4562	0.10	0.9	1.24e-02	5.8	5.7	3.9	3.9	26.4	-20.9	1.3	-4525.9	-84.8	-142.4
50	ok 5009	0.14	0.9	6.68e-02	12.0	5.7	6.0	3.9	254.8	-274.5	134.2	-5916.4	-2038.2	-177.8

M_S		x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									-364.37	-274.51	-46.11	-5916.43	-2038.24	-310.91
		0.14	0.90	0.08	11.99	10.89	5.99	8.22	254.80	291.36	134.23	7188.16	2703.61	426.25

M_S	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
52	ok 3405	0.10	0.2	0.1	5.7	5.7	3.9	3.9	-366.4	-47.1	345.5	-803.2	-674.5	561.9
52	ok 3437	0.13	0.9	4.17e-02	7.0	9.9	5.3	8.2	5.1	283.5	314.5	914.5	170.8	780.6
52	ok 3446	0.14	0.9	3.49e-02	7.3	12.4	7.3	10.8	116.7	364.4	309.9	2694.8	750.1	677.7
52	ok 3476	0.15	0.9	6.03e-02	7.3	10.7	9.7	14.1	95.2	708.7	211.2	2554.6	991.7	330.8
52	ok 3491	0.16	0.9	9.58e-02	7.4	10.4	14.7	15.6	147.0	742.8	214.8	1896.5	915.0	444.6
52	ok 3515	0.17	0.8	0.1	11.5	10.1	18.3	13.8	316.4	965.6	234.0	60.8	-1284.8	-428.3
52	ok 4346	0.11	0.7	9.66e-02	5.9	6.2	4.1	4.5	-159.1	6.4	358.3	482.6	394.6	226.8
52	ok 4349	0.11	0.8	0.1	6.7	5.9	5.0	4.2	18.1	-2.0	358.8	-413.6	-224.7	17.6
52	ok 4350	0.11	0.7	8.12e-02	6.1	6.2	4.4	4.4	20.5	-40.4	308.8	-664.1	-166.7	273.8
52	ok 4352	0.10	0.6	6.60e-02	5.7	5.7	3.9	3.9	-43.1	-54.0	243.5	906.5	284.2	506.2
52	ok 4354	0.10	0.7	4.74e-02	5.7	5.7	3.9	3.9	49.0	-77.3	159.1	891.8	411.4	937.5
52	ok 4365	0.10	0.7	6.75e-02	5.7	5.9	3.9	4.7	106.3	194.0	-74.9	799.5	1142.5	125.8
52	ok 4989	0.10	0.6	5.25e-02	5.7	5.7	3.9	3.9	-17.4	-47.6	206.2	681.7	742.0	655.4
52	ok 4998	0.10	0.2	0.1	5.7	5.7	3.9	3.9	-46.4	-305.8	287.8	-980.8	-247.0	621.0
52	ok 5007	0.10	0.4	0.1	5.7	5.7	3.9	3.9	-68.6	-408.5	285.4	-2134.9	-596.9	459.5
52	ok 5016	0.11	0.7	0.2	6.1	6.5	4.4	5.1	-94.3	-839.4	188.3	-1952.4	-769.1	91.5
52	ok 5025	0.12	0.9	0.2	5.9	6.9	8.7	5.2	-57.0	-873.9	188.0	-1008.1	-412.7	81.9
52	ok 5037	0.12	0.5	0.2	6.0	5.9	6.4	6.7	-90.8	-1056.2	170.8	439.2	2621.8	462.2

M_S		x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									-366.39	-1056.18	-74.90	-2134.88	-1284.78	-428.30
		0.17	0.89	0.23	11.47	12.40	18.31	15.62	316.37	965.65	358.84	2694.77	2621.81	937.49

M_S	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
53	ok 3448	0.13	0.9	7.77e-02	6.1	8.9	4.4	11.1	-322.5	439.9	194.7	4214.7	2063.8	409.6
53	ok 3478	0.14	0.8	6.98e-02	8.4	9.2	10.3	10.8	215.4	542.7	165.5	1430.1	186.3	219.8
53	ok 3493	0.16	0.7	0.1	9.5	9.0	14.9	14.4	-76.9	893.7	209.3	-1058.0	-268.3	146.9
53	ok 3517	0.20	0.7	6.19e-02	28.0	27.1	24.8	27.3	1378.5	1275.7	499.0	-624.2	-331.2	785.6
53	ok 3541	0.15	0.5	4.56e-02	11.8	12.1	10.1	10.4	77.9	441.1	-411.7	-921.9	-451.0	-572.7
53	ok 3565	0.14	0.7	9.90e-02	10.5	9.8	8.8	8.1	-40.8	228.5	-477.4	-2904.2	-487.1	-956.5
53	ok 3589	0.19	0.9	0.1	22.2	5.7	16.9	3.9	225.7	-63.3	-503.2	-1.040e+04	-3226.6	756.2
53	ok 3613	0.15	0.9	0.1	14.0	7.4	12.3	5.7	-50.6	24.9	-616.5	-4990.4	-835.7	155.8
53	ok 3637	0.15	0.9	0.1	13.9	6.1	12.1	4.4	-58.8	3.4	-612.2	-4919.5	-846.8	263.1
53	ok 3661	0.15	0.9	0.1	13.9	5.7	12.1	3.9	-64.8	-31.9	-587.1	-4455.2	-775.7	356.8
53	ok 3685	0.14	0.9	0.1	12.1	5.7	10.3	3.9	-142.3	-170.7	-548.6	-3921.0	-778.1	600.8
53	ok 3709	0.13	1.0	0.2	11.3	5.7	6.1	3.9	-307.1	-326.3	-403.2	-3210.6	-370.8	-250.0
53	ok 3733	0.15	1.0	0.2	15.7	5.7	11.6	3.9	-573.4	-835.3	-392.0	-1.372e+04	-3826.1	1755.9
53	ok 3757	0.15	0.9	0.8	10.6	18.9	8.9	17.2	-2320.4	-2099.1	1849.9	-1.533e+04	-3309.7	645.6
53	ok 3781	0.23	0.9	0.3	29.8	8.7	14.3	7.0	913.8	-618.4	486.8	-1.026e+04	-2179.7	615.1
53	ok 3805	0.18	0.9	0.2	20.3	5.8	15.8	4.1	107.3	-279.1	631.4	-7990.8	-1535.1	160.0
53	ok 3845	0.16	0.9	0.1	15.7	6.9	13.9	5.2	127.7	34.2	528.2	-6369.9	-1133.7	498.5
53	ok 3885	0.13	0.9	7.24e-02	10.1	5.8	8.4	4.1	86.0	87.1	343.5	-3976.7	-799.9	544.4
53	ok 3899	0.10	0.7	4.09e-02	5.7	5.7	4.0	3.9	70.8	15.3	176.4	-2104.0	-640.2	628.4
53	ok 3940	0.10	0.1	2.83e-02	5.7	5.7	3.9	3.9	-78.2	4.4	62.6	-653.4	-105.4	46.2
53	ok 4351	0.13	0.8	0.1	8.1	9.4	6.4	7.7	-230.1	-222.9	364.0	776.7	212.3	660.9
53	ok 4353	0.13	0.9	8.51e-02	5.7	9.4	3.9	7.6	27.6	-3.8	357.3	1351.3	937.9	1046.3
53	ok 4355	0.13	0.9	7.75e-02	6.9	8.5	5.2	6.8	128.7	-23.4	409.3	106.2	-255.7	598.2
53	ok 4366	0.15	0.7	0.1	11.8	11.9	7.9	7.3	706.9	-252.7	89.0	371.1	-100.4	242.1
53	ok 4368	0.14	0.6	0.1	9.3	9.6	7.6	7.9	92.6	-23.8	-525.4	410.1	447.8	290.0
53	ok 4373	0.13	0.8	0.1	8.9	7.9	7.1	6.2	-96.7	-49.5	-547.9	483.6	290.9	342.2
53	ok 4378	0.13	0.9	0.1	9.3	8.9	7.6	7.1	-116.0	-60.3	-592.4	965.3	-574.0	726.5
53	ok 4383	0.14	0.7	0.1	10.0	10.1	8.3	8.4	-49.0	-17.9	-561.3	-201.4	-209.9	-318.4
53	ok 4388	0.14	0.7	0.1	10.0	10.9	8.3	9.2	-56.8	113.3	-593.3	851.3	233.8	164.5
53	ok 4393	0.15	0.8	0.1	10.5	12.1	8.8	10.4	-50.1	179.4	-596.8	1595.6	325.5	123.0
53	ok 4398	0.15	0.8	0.1	10.6	13.5	8.9	11.7	-71.8	222.6	-581.5	1939.4	1352.2	-53.3
53	ok 4403	0.15	0.9	0.1	12.1	13.5	10.3	11.8	-136.5	224.7	-541.6	2901.1	1629.1	-53.6
53	ok 4408	0.13	0.9	0.2	11.2	7.0	9.5	6.1	-545.1	228.3	-423.1	-1365.2	-1108.7	1888.1
53	ok 4413	0.17	0.9	0.2	14.2	12.5	18.3	15.2	-651.2	731.4	645.2	-2570.7	-1164.4	61.5
53	ok 4418	0.18	0.9	0.3	19.6	15.5	17.9	13.8	-68.2	-48.0	1030.6	-2710.5	-988.1	-823.3
53	ok 4422	0.17	0.8	0.2	17.4	14.6	15.7	12.9	14.4	1.8	929.2	-1918.2	-472.5	-594.7
53	ok 4432	0.16	0.9	0.2	15.8	12.9	14.0	11.1	-90.4	266.8	576.7	-1907.7	-930.5	-943.5
53	ok 4437	0.12	0.8	9.05e-02	7.9	5.7	6.2	3.9	-180.2	130.9	285.0	-677.0	-592.5	-397.0
53	ok 4442	0.10	0.1	3.56e-02	5.7	5.7	3.9	3.9	-57.5	-9.0	115.4	-214.9	-44.0	50.7
53	ok 4454	0.10	0.3	4.14e-02	5.7	5.7	3.9	3.9	-134.1	-15.8	99.0	82.5	1179.3	-349.9
53	ok 5009	0.13	0.8	0.1	9.7	5.7	6.2	3.9	226.1	-380.2	246.4	-3727.3	-1459.2	145.4
53	ok 5018	0.11	0.7	0.2	6.1	6.4	4.3	4.6	-79.2	-612.7	257.3	-1558.7	19.1	331.1
53	ok 5027	0.10	0.5	0.2	5.7	5.8	3.9	4.1	43.9	-704.5	227.6	-550.9	345.4	310.1
53	ok 5039	0.10	0.7	0.2	5.7	6.1	3.9	4.3	70.3	-832.7	-229.9	162.1	313.2	-87.8
53	ok 5051	0.10	0.7	0.2	5.7	5.9	3.9	4.5	-16.5	-791.0	-344.9	1393.9	500.9	-213.9
53	ok 5063	0.12	0.8	0.2	5.7	7.7	3.9	6.0	-73.6	-442.0	-491.3	2413.8	588.7	-137.6
53	ok 5075	0.13	0.8	0.2	5.7	10.1	3.9	8.4	-70.1	-236.6	-459.9	3917.5	744.9	-198.4
53	ok 5087	0.14	0.9	0.1	5.7	11.7	3.9	10.0	-44.7	21.9	-471.7	4317.9	839.9	-341.9
53	ok 5099	0.15	0.9	8.59e-02	7.3	14.2	5.6	12.4	-36.3	287.4	-470.9	4855.8	975.5	-338.1
53	ok 5111	0.16	0.8	6.25e-02	9.7	15.6	8.3	15.3	-35.4	523.9	-469.6	5381.4	1093.2	-323.8
53	ok 5123	0.17	0.9	4.59e-02	11.4	16.5	12.4	18.8	-39.9	740.1	-438.6	5929.2	1227.7	-210.5
53	ok 5135	0.19	0.8	3.28e-02	11.6	16.8	18.0	23.1	-48.1	1103.6	-385.5	5825.5	1247.0	471.6
53	ok 5147	0.20	0.8	2.34e-02	6.5	12.3	21.4	27.3	-69.8	1473.2	-13.5	8224.3	1736.8	143.4
53	ok 5159	0.21	0.8	4.08e-02	13.2	19.1	23.4	30.0	-31.0	1554.7	439.0	7867.8	1725.8	124.8
53	ok 5171	0.20	0.8	8.46e-02	16.6	20.7	20.6	27.0	-67.3	1279.1	650.6	6037.8	1309.4	-192.5
53	ok 5183	0.19	0.8	0.1	16.8	23.6	17.3	23.8	334.6	733.5	766.4	6213.6	938.2	-279.1
53	ok 5195	0.18	0.9	0.3	12.4	18.1	10.6	21.2	-1168.9	540.9	1039.2	6039.3	3484.5	-152.6
53	ok 5200	0.10	0.6	6.65e-02	5.7	5.7	3.9	3.9	-127.7	-62.8	-16.8	514.5	-1573.3	491.8
53	ok 5205	0.10	0.2	3.15e-02	5.7	5.7	3.9	3.9	-69.6	-29.4	81.8	426.9	413.5	234.4
53	ok 5217	0.10	0.5	3.50e-02	5.7	5.7	3.9	3.9	-46.2	-26.3	122.2	423.1	1972.6	-116.9
53	ok 5229	0.12	0.8	0.1	7.7	5.7	6.0	3.9	-179.0	-165.2	-292.2	-821.6	-3075.3	383.2
53	ok 5232	0.10	0.4	4.72e-02	5.7	5.7	3.9	3.9	-156.5	-5.9	26.2	59.6	-1153.5	730.3
53	ok 5235	0.10	0.4	2.72e-02	5.7	5.7	3.9	3.9	-10.6	-8.6	114.8	451.8	761.5	534.2
53	ok 5247	0.10	0.8	2.98e-02	5.7	5.7	3.9	3.9	4.0	-25.6	124.2	869.3	2660.9	179.5
53	ok 5259	0.11	0.9	1.20e-02	6.6	5.7	5.1	3.9	39.7	30.8	-72.8	-72.8	-3466.3	519.8
53	ok 5261	0.10	0.8	2.08e-03	5.8	5.7	5.4	3.9	6.2	247.3	-1.8	-26.2	-1112.3	617.8
53	ok 5263	0.10	0.6	1.79e-03	5.7	5.7	3.9	3.9	-1.7	145.4	24.0	26.4	1048.2	509.5
53	ok 5275	0.10	0.8	7.18e-03	5.7	5.7	3.9	3.9	-7.1	-16.2	11.5	276.9	3156.0	33.9

M_S		x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									-2320.36	-2099.09	-616.52	-1.533e+04	-3826.06	-956.48
		0.23	0.99	0.78	29.84	27.15	24.76	30.02	1378.46	1554.69	1849.95	8224.31	3484.48	1888.09

M_S	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
54	ok 3506	0.12	0.6	3.40e-02	6.8	7.0	4.1	4.0	467.3	41.6	12.8	97.7	405.0	204.7
54	ok 3507	0.10	0.3	2.47e-02	5.7	5.7	3.9	3.9	131.3	57.7	84.4	-499.7	-132.8	-346.4
54	ok 3508	0.10	0.2	2.42e-02	5.7	5.7	3.9	3.9	-21.9	60.0	123.2	130.2	-7.7	-456.4
54	ok 3509	0.10	0.2	3.71e-02	5.7	5.7	3.9	3.9	-101.4	53.6	117.1	570.2	66.4	-364.7
54	ok 3510	0.10	0.2	3.87e-02	5.7	5.7	3.9	3.9	-128.2	57.5	101.4	1185.2	153.2	-256.4
54	ok 3511	0.10	0.3	3.82e-02	5.7	5.7	3.9	3.9	-128.8	-36.7	21.7	1208.4	226.7	-93.0
54	ok 3512	0.10	0.3	3.62e-02	5.7	5.7	3.9	3.9	-123.0	-57.7	-22.1	1713.1	343.5	273.7
54	ok 3513	0.10	0.3	3.13e-02	5.7	5.7	3.9	3.9	-102.8	-61.0	-56.7	1554.0	326.4	194.2
54	ok 3514	0.10	0.3	2.57e-02	5.7	5.7	3.9	3.9	-58.6	-41.4	-62.1	999.5	-3.6	239.4
54	ok 3515	0.11	0.8	3.69e-02	7.2	5.7	4.3	3.9	167.9	148.3	-22.6	-3582.9	-1077.2	-95.2
54	ok 4356	0.12	0.8	4.89e-02	7.6	6.5	4.2	4.7	274.9	43.4	-58.2	-2253.9	-213.7	-637.2
54	ok 4357	0.10	0.4	3.27e-02	5.7	5.7	3.9	3.9	57.6	32.2	71.1	-726.7	-313.5	-260.8
54	ok 4358	0.10	0.4	3.23e-02	5.7	5.7	3.9	3.9	-34.3	-1.6	111.2	-992.5	-353.4	-188.7
54	ok 4359	0.10	0.3	4.19e-02	5.7	5.7	3.9	3.9	-86.3	-36.7	120.4	-793.8	-116.8	-149.3
54	ok 4360	0.10	0.3	4.12e-02	5.7	5.7	3.9	3.9	-140.8	-89.2	45.5	-858.2	-108.3	-62.6
54	ok 4361	0.10	0.5	4.42e-02	5.7	5.7	3.9	3.9	-148.3	-98.9	23.1	-1564.5	195.5	-215.5
54	ok 4362	0.10	0.2	4.50e-02	5.7	5.7	3.9	3.9	-110.1	-150.4	36.4	-823.2	-132.2	251.5
54	ok 4363	0.10	0.3	4.56e-02	5.7	5.7	3.9	3.9	-85.2	-174.1	-62.7	-936.4	-463.0	30.0
54	ok 4364	0.10	0.4	4.79e-02	5.7	5.7	3.9	3.9	-87.3	-62.9	-124.4	-248.7	-935.4	-331.1
54	ok 4365	0.11	0.8	2.21e-02	5.7	6.8	3.9	5.1	150.3	91.2	-64.6	2003.7	1295.1	-310.9
54	ok 5028	0.10	0.8	3.90e-02	5.9	5.7	4.1	3.9	-158.0	-18.3	-59.9	4015.1	510.6	-562.6
54	ok 5029	0.10	0.4	3.90e-02	5.7	5.7	3.9	3.9	-65.4	-73.0	-18.9	786.2	367.2	-541.4
54	ok 5030	0.10	0.3	5.09e-02	5.7	5.7	3.9	3.9	-70.4	-133.2	124.5	-1002.6	-185.4	-392.6
54	ok 5031	0.10	0.5	5.08e-02	5.7	5.7	3.9	3.9	-99.1	-150.8	97.4	-1159.7	-169.2	-439.8
54	ok 5032	0.10	0.7	5.78e-02	5.7	5.7	3.9	3.9	-102.2	-181.3	70.0	-2218.7	-496.5	-402.0
54	ok 5033	0.10	0.7	0.1	5.7	5.7	3.9	3.9	-159.9	-263.5	71.5	-1882.5	-508.1	-244.6
54	ok 5034	0.11	0.9	7.91e-02	6.9	5.7	4.6	3.9	-32.9	-342.5	-26.5	-3544.7	-864.9	-92.6
54	ok 5035	0.10	0.7	7.39e-02	5.7	5.7	3.9	3.9	-39.8	-307.6	-87.2	-2541.8	-744.0	146.9
54	ok 5036	0.10	0.7	8.08e-02	5.7	5.7	3.9	3.9	-81.5	-309.7	-126.0	-2294.6	-1635.6	668.5
54	ok 5037	0.10	0.4	9.92e-02	5.7	5.7	3.9	3.9	12.1	-405.8	-139.2	-241.5	1483.6	558.6

M_S		x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									-159.90	-405.83	-139.23	-3582.93	-1635.62	-637.22
		0.12	0.90	0.10	7.59	7.04	4.56	5.08	467.28	148.32	124.45	4015.07	1483.59	668.55

M_S	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
55	ok 3506	0.12	0.7	2.88e-02	7.8	7.0	5.7	5.2	429.6	64.7	-150.2	-227.1	294.0	159.5
55	ok 3530	0.11	0.7	4.56e-02	5.8	6.2	4.1	4.5	112.7	34.8	-268.3	1077.2	253.2	613.7
55	ok 3554	0.11	0.8	7.40e-02	5.8	7.2	4.1	5.4	24.7	-4.72e-02	-304.5	3014.9	534.1	866.7
55	ok 3578	0.17	0.9	8.58e-02	5.7	18.8	3.9	15.2	168.6	-95.4	-405.5	9659.6	2797.8	-794.6
55	ok 3602	0.14	0.9	0.1	5.7	13.2	3.9	11.4	-46.4	-46.7	-439.0	5208.0	767.2	285.3
55	ok 3626	0.14	0.9	0.1	5.7	13.5	3.9	11.8	-23.8	-44.1	-504.7	4819.2	835.9	-305.0
55	ok 3650	0.15	0.9	0.1	5.7	13.7	3.9	12.0	-47.4	-92.8	-458.1	7597.7	1404.9	-0.7
55	ok 3674	0.14	0.9	0.1	5.7	12.2	3.9	10.4	-119.3	-185.2	-425.4	8018.3	1430.1	100.0
55	ok 3698	0.13	1.0	0.2	5.7	9.7	3.9	6.4	-327.9	-391.1	-291.2	8828.0	1404.0	726.6
55	ok 3722	0.15	1.0	0.2	5.7	14.7	3.9	11.4	-591.2	-859.1	-330.8	1.334e+04	3315.4	-2135.8
55	ok 3746	0.17	0.7	0.8	21.6	14.7	19.9	13.0	-2471.1	-2334.0	1920.9	1.505e+04	3279.3	-336.1
55	ok 3770	0.23	0.9	0.3	7.6	29.8	5.9	13.8	924.4	-748.0	476.4	1.023e+04	2260.0	-512.9
55	ok 3794	0.18	0.9	0.2	5.7	20.1	3.9	16.0	119.1	-314.1	647.3	8919.6	1664.6	-216.6
55	ok 3834	0.16	0.9	0.1	6.8	16.7	5.0	14.5	145.5	21.3	559.9	6959.5	1384.4	-377.2
55	ok 3874	0.13	0.8	6.57e-02	5.8	11.1	4.1	9.4	96.0	94.2	377.8	4505.1	913.6	-474.7
55	ok 3888	0.10	0.7	3.95e-02	5.7	5.9	3.9	4.2	78.0	20.5	179.9	2362.2	704.2	-636.8
55	ok 3929	0.10	0.1	2.86e-02	5.7	5.7	3.9	3.9	-85.5	4.6	63.3	688.4	93.3	-50.3
55	ok 4356	0.11	0.7	4.71e-02	6.0	6.4	4.3	4.6	296.5	197.8	-98.2	-146.8	317.5	-211.9
55	ok 4367	0.10	0.6	6.39e-02	6.0	5.7	4.3	4.0	51.8	54.3	-283.0	-380.0	-412.7	-330.4
55	ok 4369	0.12	0.8	7.22e-02	6.3	6.8	4.5	5.1	-19.8	39.6	-330.2	-475.3	-307.1	-351.5
55	ok 4374	0.12	0.8	8.88e-02	7.6	7.9	5.9	6.2	-20.1	22.9	-395.4	-922.0	537.0	-703.4
55	ok 4379	0.13	0.7	8.87e-02	8.5	8.7	6.8	7.0	-22.0	56.6	-405.0	1453.5	271.6	-145.1
55	ok 4384	0.14	0.6	9.13e-02	9.7	9.3	7.9	7.6	-49.5	139.0	-475.3	149.0	-144.3	-145.4
55	ok 4389	0.14	0.7	9.14e-02	11.1	10.2	9.4	8.5	-52.1	227.9	-499.4	123.0	-151.3	-122.5
55	ok 4394	0.15	0.8	9.82e-02	13.0	10.8	11.3	9.0	-80.9	215.6	-505.7	326.2	-248.3	-125.2
55	ok 4399	0.15	0.8	0.1	13.2	11.8	11.5	10.1	-89.7	207.9	-518.4	-1671.1	-1034.7	-348.2
55	ok 4404	0.13	0.9	0.2	7.7	10.6	6.2	8.9	-526.5	235.1	-406.0	356.0	832.3	-2021.7
55	ok 4409	0.17	0.9	0.2	12.8	14.0	15.5	18.9	-723.4	766.3	647.8	2442.0	909.8	-180.7
55	ok 4414	0.18	0.9	0.4	15.4	19.9	13.7	18.2	-84.9	-83.3	1033.9	2147.4	916.7	887.2
55	ok 4419	0.17	0.8	0.2	15.4	17.8	13.6	16.1	-14.1	-40.5	938.6	1539.5	409.8	621.2
55	ok 4423	0.17	0.9	0.2	13.3	16.5	11.5	14.7	-91.5	273.7	607.4	1961.7	925.6	1003.8
55	ok 4433	0.12	0.8	9.19e-02	5.7	7.8	3.9	6.1	-176.0	129.0	296.3	676.5	653.5	539.9
55	ok 4438	0.10	0.2	3.49e-02	5.7	5.7	3.9	3.9	-57.0	-9.3	118.9	235.9	51.9	184.8
55	ok 4443	0.10	0.3	4.24e-02	5.7	5.7	3.9	3.9	-140.8	-16.7	98.4	-72.3	-1198.2	414.1
55	ok 5028	0.10	0.1	8.30e-02	5.7	5.7	3.9	3.9	52.9	-240.2	-171.8	-253.7	-279.8	74.9
55	ok 5040	0.10	0.5	9.37e-02	5.7	5.7	3.9	3.9	-93.9	-165.1	-266.8	-1362.2	-281.1	234.6

M_S	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
55	ok 5052	0.12	0.8	8.65e-02	7.3	5.7	5.6	3.9	-51.4	-100.5	-321.2	-2713.6	-509.2	51.8
55	ok 5064	0.13	0.8	7.61e-02	9.4	5.7	7.6	3.9	-60.3	54.1	-342.0	-3860.1	-691.2	217.9
55	ok 5076	0.13	0.8	6.57e-02	11.2	5.7	9.5	3.9	-45.2	182.4	-360.1	-4290.4	-835.0	323.3
55	ok 5088	0.15	0.8	5.76e-02	13.1	7.4	11.4	5.7	-58.6	303.2	-359.2	-4805.7	-968.9	304.7
55	ok 5100	0.16	0.8	4.98e-02	14.5	10.3	14.6	8.5	-62.9	558.9	-387.9	-4750.0	-949.3	132.5
55	ok 5112	0.17	0.8	4.09e-02	15.8	11.6	18.7	12.5	-42.7	845.4	-404.8	-5976.3	-1323.3	87.9
55	ok 5124	0.19	0.8	3.24e-02	15.6	11.4	23.7	18.1	-61.9	1142.2	-347.3	-5895.7	-1359.3	-370.4
55	ok 5136	0.21	0.8	2.60e-02	12.0	6.4	28.6	22.0	-95.5	1620.2	-46.2	-9238.5	-1988.8	-147.3
55	ok 5148	0.22	0.8	4.65e-02	19.7	11.4	32.6	23.9	-50.8	1711.0	420.9	-8664.7	-1946.5	-259.3
55	ok 5160	0.21	0.8	8.30e-02	21.5	15.8	28.9	20.9	-85.1	1220.1	754.6	-6996.5	-1448.2	69.9
55	ok 5172	0.20	0.9	0.1	24.5	16.0	25.1	17.5	339.7	808.0	783.6	-6536.9	-983.9	275.0
55	ok 5184	0.19	0.9	0.3	18.8	11.7	22.4	9.9	-1205.2	573.3	1062.6	-6727.9	-3811.2	182.7
55	ok 5196	0.10	0.6	6.82e-02	5.7	5.7	3.9	3.9	-131.0	-60.9	-16.2	-722.0	1652.5	-518.6
55	ok 5201	0.10	0.2	3.16e-02	5.7	5.7	3.9	3.9	-45.7	-40.3	101.2	-532.7	-340.7	-225.4
55	ok 5206	0.10	0.5	3.49e-02	5.7	5.7	3.9	3.9	-46.3	-25.4	123.0	-418.3	-1932.0	171.3
55	ok 5218	0.12	0.8	0.1	5.7	7.6	3.9	5.9	-191.8	-179.9	-295.7	966.7	2918.4	-492.4
55	ok 5230	0.10	0.3	4.70e-02	5.7	5.7	3.9	3.9	-158.8	-11.4	26.0	-106.6	1051.4	-846.6
55	ok 5233	0.10	0.4	2.78e-02	5.7	5.7	3.9	3.9	-11.0	-9.6	116.4	-507.1	-809.1	-569.2
55	ok 5236	0.10	0.8	2.98e-02	5.7	5.7	3.9	3.9	4.9	-24.5	125.2	-893.7	-2705.4	-156.5
55	ok 5248	0.11	0.9	1.30e-02	5.7	6.7	3.9	5.0	39.5	25.5	-76.8	74.1	3314.8	-593.9
55	ok 5260	0.10	0.8	1.75e-03	5.7	5.9	3.9	5.2	6.3	248.5	-1.2	34.0	980.3	-673.2
55	ok 5262	0.10	0.7	1.81e-03	5.7	5.7	3.9	3.9	-1.5	144.2	24.6	-30.3	-1152.6	-544.1
55	ok 5264	0.10	0.8	7.64e-03	5.7	5.7	3.9	3.9	-7.4	-21.4	12.5	-290.9	-3320.3	-25.6

M_S		x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									-2471.13	-2333.97	-518.45	-9238.51	-3811.20	-2135.78
		0.23	0.99	0.80	24.50	29.85	32.64	23.95	924.35	1710.97	1920.87	1.505e+04	3315.42	1003.83

M_S	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
56	ok 3556	0.10	0.5	0.1	5.7	5.7	3.9	3.9	-468.8	-67.5	192.6	5218.0	289.5	-45.0
56	ok 3580	0.17	0.9	1.36e-02	5.7	19.1	3.9	8.8	460.6	54.7	-42.9	9480.5	2020.3	380.1
56	ok 3604	0.14	0.9	3.06e-02	5.7	11.4	3.9	5.9	52.8	-34.8	-145.1	6761.6	1126.8	178.3
56	ok 3628	0.14	0.9	4.43e-02	5.7	12.3	3.9	5.9	25.0	-109.4	-144.4	7943.9	1607.1	219.7
56	ok 3652	0.14	1.0	5.98e-02	5.7	13.5	3.9	6.2	14.7	-161.6	-126.1	9059.6	1814.8	320.3
56	ok 3676	0.15	1.0	7.46e-02	5.7	14.4	3.9	6.4	-21.0	-245.6	-133.8	1.016e+04	1779.8	248.1
56	ok 3700	0.15	1.0	8.88e-02	5.7	15.7	3.9	6.3	-22.7	-320.1	-129.2	1.075e+04	2110.3	278.6
56	ok 3724	0.14	1.0	0.2	5.7	13.4	3.9	6.2	-546.9	-336.0	49.3	1.487e+04	4123.5	247.1
56	ok 3748	0.16	1.0	7.95e-02	5.7	16.7	3.9	4.1	-81.0	-238.5	87.5	1.275e+04	2822.5	-13.0
56	ok 3772	0.22	0.9	1.87e-02	5.7	26.1	3.9	10.0	648.5	-31.1	206.8	1.134e+04	350.5	336.4
56	ok 4370	0.10	0.3	3.16e-02	5.7	5.7	3.9	3.9	-38.6	11.5	12.6	1499.7	-196.9	-8.1
56	ok 4375	0.10	0.2	3.77e-02	5.7	5.7	3.9	3.9	-5.6	-105.5	94.2	-213.4	656.7	-516.8
56	ok 4380	0.10	0.4	2.51e-02	5.7	5.7	3.9	3.9	37.2	29.1	-147.4	1315.8	304.9	-15.7
56	ok 4385	0.10	0.4	3.09e-02	5.7	5.7	3.9	3.9	4.9	55.9	-169.9	1113.9	178.3	-194.1
56	ok 4390	0.10	0.6	3.48e-02	5.7	5.7	3.9	3.9	2.8	52.1	-165.9	1651.1	332.6	-121.0
56	ok 4395	0.11	0.7	3.81e-02	5.7	6.2	3.9	4.5	-13.7	52.4	-183.7	2099.7	361.7	-252.3
56	ok 4400	0.11	0.7	5.24e-02	5.7	7.1	3.9	5.3	-56.4	45.8	-223.6	2822.6	559.7	-206.6
56	ok 4405	0.10	0.7	4.68e-02	5.7	5.7	3.9	4.0	-196.0	152.9	-72.5	2255.4	675.0	-661.5
56	ok 4410	0.12	0.8	4.84e-02	5.7	7.9	3.9	6.1	-109.7	78.2	170.2	3027.4	896.2	532.4
56	ok 4415	0.11	0.8	5.24e-02	5.7	7.2	3.9	4.4	154.3	56.2	82.8	3608.5	322.7	-329.5
56	ok 5054	0.15	0.9	8.86e-03	14.1	5.7	11.4	3.9	315.4	122.9	203.2	-4457.3	-182.0	-268.9
56	ok 5066	0.12	0.9	5.71e-02	7.9	5.7	4.0	3.9	-262.9	55.7	-18.4	-6571.7	-1489.4	160.9
56	ok 5078	0.12	0.9	1.37e-02	9.0	5.7	4.9	3.9	-12.4	129.9	-100.7	-5790.9	-1149.9	133.9
56	ok 5090	0.13	0.9	1.41e-02	10.4	5.7	7.2	3.9	1.2	228.0	-133.0	-6332.4	-1272.9	77.0
56	ok 5102	0.14	0.9	1.38e-02	11.8	5.7	8.8	3.9	-4.9	328.0	-153.7	-6963.2	-1404.3	56.8
56	ok 5114	0.15	0.9	1.10e-02	13.5	5.8	10.7	4.2	1.0	398.9	-155.6	-7729.1	-1587.5	20.6
56	ok 5126	0.15	0.9	8.41e-03	14.9	6.0	12.1	5.0	0.5	492.1	-147.3	-8387.8	-1739.5	-89.0
56	ok 5138	0.15	0.9	3.62e-03	15.2	5.7	12.0	5.1	-3.2	524.2	-85.5	-9169.2	-1955.3	9.6
56	ok 5150	0.16	0.9	1.19e-03	16.6	5.7	11.6	4.0	158.0	385.7	-107.5	-1.042e+04	-2596.7	4.9
56	ok 5162	0.14	1.0	5.87e-02	11.4	5.7	6.7	3.9	-227.6	224.1	7.1	-9919.4	-583.9	975.6

M_S		x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									-546.91	-336.04	-223.61	-1.042e+04	-2596.73	-661.52
		0.22	0.99	0.15	16.59	26.15	12.10	9.98	648.51	524.23	206.85	1.487e+04	4123.46	975.63

M_S	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
59	ok 3836	0.10	0.2	0.3	5.7	5.7	3.9	3.9	-1286.2	-252.7	-510.1	1906.0	234.3	716.4
59	ok 3837	0.16	0.6	7.19e-02	14.8	15.1	12.2	10.2	844.7	99.6	-343.4	482.5	338.3	639.2
59	ok 3838	0.14	0.9	4.73e-02	11.7	9.4	10.0	7.6	305.3	246.0	-327.7	-1281.4	-316.7	341.1
59	ok 3839	0.13	0.8	3.15e-03	10.2	7.0	8.5	5.7	356.1	338.0	-76.7	-2281.5	-377.6	125.3
59	ok 3840	0.12	0.8	1.39e-02	8.0	6.5	6.3	4.8	193.6	243.5	198.3	-918.5	-191.7	-114.8
59	ok 3841	0.12	0.5	4.15e-02	7.1	7.3	5.4	5.6	109.2	124.9	311.0	341.5	191.7	-166.0

M_S	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
59	ok 3842	0.16	0.8	3.62e-02	14.3	12.4	10.2	8.3	215.9	63.2	299.1	550.8	188.2	-236.9
59	ok 3843	0.10	0.2	0.2	5.7	5.7	3.9	3.9	-747.1	-173.2	413.5	669.3	171.7	-478.1
59	ok 4424	0.13	0.8	5.66e-02	8.4	7.0	5.6	5.2	194.3	-197.4	-143.2	1346.7	351.9	-237.6
59	ok 4425	0.17	0.7	0.2	16.1	14.5	14.4	12.7	305.4	183.0	-738.4	-391.3	-414.3	182.6
59	ok 4426	0.13	0.5	8.68e-02	8.5	8.3	6.7	6.6	120.8	2.7	-433.3	17.3	-305.4	-106.1
59	ok 4427	0.10	0.6	5.47e-02	5.7	5.7	3.9	3.9	59.4	-17.6	-267.1	490.6	318.6	18.7
59	ok 4428	0.10	0.3	4.30e-02	5.7	5.7	3.9	3.9	75.4	-1.0	221.5	-4.7	-133.6	228.0
59	ok 4429	0.11	0.8	6.35e-02	6.7	6.4	4.9	4.7	39.0	36.9	295.6	-315.6	-84.7	41.9
59	ok 4430	0.15	0.8	0.1	13.0	10.9	11.3	9.2	323.9	160.5	515.0	-388.8	-340.4	-366.4
59	ok 4431	0.13	0.7	4.33e-02	8.6	8.9	6.1	5.6	288.9	-152.1	144.2	970.6	303.5	263.5
59	ok 5184	0.14	0.9	0.4	5.7	12.2	3.9	10.4	-1209.9	-332.1	-986.9	4217.4	3332.6	-1388.4
59	ok 5185	0.15	0.8	0.2	13.4	9.8	11.6	8.1	410.2	-211.2	-553.5	1028.7	-2572.2	1310.9
59	ok 5186	0.22	0.9	2.47e-02	33.1	23.5	26.7	21.0	1415.4	504.2	-576.2	-4043.7	-370.0	929.4
59	ok 5187	0.13	0.9	0.1	10.1	6.2	8.4	4.5	-88.6	27.9	-261.1	-2087.8	-946.9	643.4
59	ok 5188	0.10	0.7	0.1	5.7	5.7	3.9	3.9	22.1	-238.2	-171.7	-2629.1	-1589.4	288.4
59	ok 5189	0.10	0.6	8.92e-02	5.7	5.7	3.9	3.9	81.2	-315.6	2.0	-2536.4	133.1	269.9
59	ok 5190	0.10	0.4	8.31e-02	5.7	5.7	3.9	3.9	-3.8	-327.6	82.1	-2036.5	-1338.1	80.9
59	ok 5191	0.10	0.3	8.28e-02	5.7	5.7	3.9	3.9	-34.2	-238.7	140.9	-1048.7	-357.1	-136.1
59	ok 5192	0.12	0.8	8.69e-02	7.7	5.7	5.9	3.9	-5.4	-50.1	227.3	-2646.1	-1284.8	-403.0
59	ok 5193	0.21	0.9	3.77e-02	28.8	20.4	24.3	18.0	870.0	492.2	879.3	-1716.9	-836.4	-1337.5
59	ok 5194	0.15	0.8	0.2	13.8	9.5	12.0	7.7	407.3	-217.8	563.4	805.3	-2510.2	-1460.4
59	ok 5195	0.14	0.9	0.4	5.7	12.4	3.9	10.7	-1177.9	-292.1	963.0	4207.9	3582.9	1183.8
59	ok 5218	0.12	0.8	0.1	5.7	9.1	3.9	7.4	-236.7	-43.8	-369.9	1001.6	2621.1	-269.2
59	ok 5219	0.15	0.9	0.2	11.9	12.7	10.2	11.0	-270.0	-323.9	-770.6	1242.9	1167.9	-115.3
59	ok 5220	0.12	0.8	0.2	8.1	6.2	6.4	4.4	220.0	-824.0	-422.4	-131.1	-550.3	641.6
59	ok 5221	0.10	0.2	0.2	5.7	5.7	3.9	3.9	33.1	-684.5	-38.6	-575.7	-826.9	618.3
59	ok 5222	0.10	0.2	0.2	5.7	5.7	3.9	3.9	-25.0	-814.4	-24.9	-312.9	-1185.5	352.9
59	ok 5223	0.10	0.2	0.2	5.7	5.7	3.9	3.9	-16.6	-917.4	-16.8	972.3	491.5	472.8
59	ok 5224	0.10	0.2	0.2	5.7	5.7	3.9	3.9	-23.7	-878.8	32.6	-290.9	-1028.5	52.1
59	ok 5225	0.10	0.2	0.2	5.7	5.7	3.9	3.9	-42.6	-805.2	22.4	-758.8	-711.1	-377.3
59	ok 5226	0.10	0.2	0.2	5.7	5.7	3.9	3.9	94.4	-731.8	47.1	-629.2	-1009.1	-655.5
59	ok 5227	0.12	0.9	0.2	8.0	5.7	6.3	3.9	203.8	-804.9	414.1	-259.6	-818.7	-611.4
59	ok 5228	0.15	0.9	0.2	11.0	11.5	9.3	9.8	-251.3	-333.8	738.6	1085.7	1149.4	19.8
59	ok 5229	0.12	0.8	0.1	5.7	8.8	3.9	7.1	-222.5	-35.6	360.1	1016.2	2802.6	174.3
59	ok 5248	0.11	0.8	8.71e-03	5.7	6.2	3.9	6.4	79.8	162.6	32.9	197.9	2059.9	-326.6
59	ok 5249	0.10	0.1	0.1	5.7	5.7	3.9	3.9	-13.8	-601.5	-59.4	-65.5	1103.7	282.6
59	ok 5250	0.10	0.2	0.3	5.7	5.7	3.9	3.9	-42.3	-1458.5	-42.7	52.1	-247.3	441.3
59	ok 5251	0.10	0.2	0.4	5.7	5.7	3.9	3.9	-21.2	-1713.1	13.6	81.4	-880.0	462.1
59	ok 5252	0.10	0.2	0.4	5.7	5.7	3.9	3.9	-4.8	-1634.6	14.3	59.6	-858.2	389.4
59	ok 5253	0.10	0.2	0.4	5.7	5.7	3.9	3.9	-12.3	-1602.7	7.6	-49.6	-547.8	176.1
59	ok 5254	0.10	0.2	0.3	5.7	5.7	3.9	3.9	-5.6	-1553.1	5.1	25.8	-699.8	-106.4
59	ok 5255	0.10	0.2	0.3	5.7	5.7	3.9	3.9	-3.0	-1568.3	-13.3	35.8	-991.4	-256.9
59	ok 5256	0.10	0.2	0.4	5.7	5.7	3.9	3.9	-22.0	-1642.1	-11.9	88.8	-1032.8	-448.9
59	ok 5257	0.10	0.2	0.3	5.7	5.7	3.9	3.9	-39.6	-1385.5	41.1	70.3	-458.5	-463.5
59	ok 5258	0.10	0.1	0.1	5.7	5.7	3.9	3.9	-13.9	-569.4	54.8	-57.9	1034.7	-332.2
59	ok 5259	0.10	0.9	9.97e-03	5.7	6.0	3.9	6.3	55.3	127.6	16.8	318.0	3420.3	388.8

M_S	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
								-1286.17	-1713.15	-986.94	-4043.70	-2572.15	-1460.37
	0.22	0.91	0.38	33.13	23.53	26.67	21.04	1415.35	504.20	963.03	4217.38	3582.95	1310.93

M_S	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
60	ok 3839	0.13	0.1	3.31e-02	5.7	5.7	3.9	3.9	52.7	-68.4	44.7	309.7	-1.2	25.2
60	ok 3879	0.13	0.1	7.97e-02	5.7	5.7	3.9	3.9	-161.0	-84.3	182.0	165.3	137.5	8.2
60	ok 3893	0.13	5.91e-02	3.22e-02	5.7	5.7	3.9	3.9	75.2	-22.8	121.2	5.4	7.9	0.6
60	ok 3934	0.13	3.16e-02	1.85e-02	5.7	5.7	3.9	3.9	-3.9	-9.2	40.6	6.1	1.1	3.85e-02
60	ok 4427	0.13	0.1	3.40e-02	5.7	5.7	3.9	3.9	108.5	121.6	19.3	-266.9	-108.6	-7.2
60	ok 4435	0.13	6.74e-02	3.18e-02	5.7	5.7	3.9	3.9	-27.8	76.7	58.3	-9.6	75.8	33.7
60	ok 4440	0.13	4.49e-02	2.58e-02	5.7	5.7	3.9	3.9	11.6	22.3	113.9	4.0	9.3	5.4
60	ok 4448	0.13	6.44e-02	2.19e-02	5.7	5.7	3.9	3.9	-11.7	9.8	83.0	7.5	14.9	7.0
60	ok 5189	0.15	0.5	1.91e-02	7.1	7.1	6.4	6.3	144.1	402.5	-17.9	-110.3	-114.9	-17.1
60	ok 5198	0.13	0.3	3.12e-02	5.7	5.7	3.9	3.9	-8.9	214.9	93.6	-14.9	82.8	-13.8
60	ok 5203	0.13	4.73e-02	1.44e-02	5.7	5.7	3.9	3.9	9.3	52.0	34.2	-14.0	-16.8	-16.2
60	ok 5211	0.13	7.12e-02	2.54e-02	5.7	5.7	3.9	3.9	-13.3	-55.7	59.6	-22.9	-45.0	21.2
60	ok 5223	0.13	0.2	1.21e-02	5.7	5.7	3.9	3.9	49.5	-37.6	-14.9	24.6	201.0	27.5
60	ok 5231	0.13	0.1	2.98e-02	5.7	5.7	3.9	3.9	-69.3	3.3	-74.4	-43.8	-116.2	-65.2
60	ok 5234	0.13	0.1	9.00e-03	5.7	5.7	3.9	3.9	-9.51e-02	133.4	-18.3	-1.2	-23.3	-36.9
60	ok 5241	0.13	0.2	4.81e-03	5.7	5.7	3.9	3.9	22.2	152.4	-40.9	-17.4	-178.9	18.5

M_S	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
								-161.01	-84.26	-74.36	-266.87	-178.93	-65.17
	0.15	0.50	0.08	7.09	7.08	6.36	6.34	144.06	402.54	182.02	309.66	201.04	33.69

M_S	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
61	ok 3876	0.13	0.5	4.01e-02	5.7	5.7	3.9	3.9	-128.8	-100.5	38.4	1478.0	120.9	-203.1
61	ok 3890	0.13	0.4	1.51e-02	5.7	5.7	3.9	3.9	238.4	14.9	57.1	755.4	149.5	-71.7
61	ok 4424	0.14	0.7	6.67e-02	5.7	6.6	3.9	4.9	177.6	-39.9	-184.0	1074.2	69.9	110.2
61	ok 4434	0.14	0.6	4.88e-02	6.6	6.3	4.9	4.6	99.3	140.6	240.2	-676.6	426.5	-131.3
61	ok 4439	0.13	0.1	1.76e-02	5.7	5.7	3.9	3.9	-56.4	-8.0	27.0	212.6	49.0	-94.5
61	ok 4445	0.13	0.2	4.59e-02	5.7	5.7	3.9	3.9	-5.0	-156.3	56.5	-127.0	-926.9	192.9
61	ok 5186	0.22	0.9	1.16e-02	19.4	10.8	12.4	10.3	701.2	406.0	277.0	-1686.4	543.5	-311.0
61	ok 5197	0.13	0.6	0.1	5.7	5.9	3.9	4.2	-489.6	116.7	-172.7	1224.6	304.5	47.0
61	ok 5202	0.13	0.2	1.04e-02	5.7	5.7	3.9	3.9	-25.1	193.0	-4.4	40.2	-189.1	97.9
61	ok 5208	0.15	0.8	8.26e-03	8.2	5.7	8.3	3.9	58.4	308.3	-129.0	-130.0	-1600.1	329.0

M_S		x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									-489.56	-156.25	-184.04	-1686.35	-1600.13	-311.02
		0.22	0.87	0.14	19.38	10.84	12.42	10.27	701.23	406.02	277.05	1477.96	543.49	328.97

M_S	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
62	ok 3883	0.13	0.4	4.73e-02	5.7	5.7	3.9	3.9	-158.3	-111.7	42.8	-1224.0	-103.7	179.7
62	ok 3897	0.13	0.5	1.32e-02	5.7	5.7	3.9	3.9	269.5	26.2	76.9	-678.3	-132.2	68.6
62	ok 4431	0.14	0.7	7.93e-02	7.0	5.7	5.3	3.9	163.8	-69.4	-253.4	-1378.8	-188.7	-102.7
62	ok 4436	0.15	0.6	5.03e-02	6.8	7.0	5.0	5.2	107.6	152.2	258.9	581.1	-441.0	142.2
62	ok 4441	0.13	9.74e-02	2.96e-02	5.7	5.7	3.9	3.9	-99.7	-19.1	38.7	-168.0	-45.5	115.8
62	ok 4452	0.13	0.2	4.03e-02	5.7	5.7	3.9	3.9	5.9	-125.1	67.9	123.7	872.1	-153.4
62	ok 5193	0.21	0.8	1.41e-02	11.8	18.1	12.1	12.3	654.5	484.1	325.6	1454.8	-731.0	261.6
62	ok 5199	0.13	0.7	0.1	6.0	5.9	4.8	4.3	-420.7	141.3	-170.1	-1022.9	-270.1	60.6
62	ok 5204	0.13	0.5	9.18e-03	5.7	5.7	3.9	3.9	-16.4	240.9	-3.5	-30.5	179.3	-78.6
62	ok 5215	0.15	0.8	1.07e-02	5.7	8.0	3.9	8.0	58.5	329.5	-87.7	87.5	1035.6	-204.0

M_S		x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									-420.67	-125.13	-253.41	-1378.79	-730.99	-203.96
		0.21	0.81	0.12	11.81	18.15	12.14	12.27	654.54	484.13	325.61	1454.83	1035.65	261.59

M_S	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
63	ok 3929	0.10	7.77e-02	2.08e-02	5.7	5.7	3.9	3.9	-96.1	-10.1	-0.5	103.3	97.4	263.3
63	ok 3930	0.10	0.5	0.0	5.7	5.7	3.9	3.9	62.5	207.1	13.6	-186.7	73.5	905.1
63	ok 3931	0.11	0.6	0.0	5.8	6.3	5.1	5.3	73.1	344.2	6.0	-364.1	78.4	556.9
63	ok 3932	0.11	0.5	0.0	5.7	6.0	6.0	6.2	61.7	413.9	-3.0	-257.9	85.3	201.1
63	ok 3933	0.11	0.6	0.0	5.7	5.8	6.1	6.4	36.0	425.1	24.8	-20.7	125.0	63.9
63	ok 3934	0.10	0.4	0.0	5.7	5.7	5.6	5.8	36.3	389.7	-5.2	143.8	48.3	-18.1
63	ok 3935	0.11	0.6	0.0	5.7	5.8	6.2	6.6	27.9	433.1	-22.6	66.1	136.8	-48.3
63	ok 3936	0.11	0.5	0.0	5.7	5.8	6.3	6.6	44.6	435.6	-19.5	-88.4	102.5	-70.2
63	ok 3937	0.11	0.5	0.0	5.7	5.9	5.9	6.1	54.2	405.9	-26.1	-151.9	73.1	-181.6
63	ok 3938	0.11	0.7	0.0	5.7	6.2	4.8	5.2	62.8	332.1	-4.7	-106.1	114.5	-507.8
63	ok 3939	0.10	0.4	0.0	5.7	5.7	3.9	3.9	58.3	202.3	-11.8	-104.9	99.1	-846.2
63	ok 3940	0.10	7.48e-02	1.90e-02	5.7	5.7	3.9	3.9	-88.0	-7.0	2.0	107.9	80.1	-239.9
63	ok 4443	0.10	0.3	5.15e-02	5.7	5.7	3.9	3.9	-110.1	-14.5	-114.9	190.2	1176.1	432.0
63	ok 4444	0.10	0.5	1.98e-02	5.7	5.7	3.9	3.9	32.2	39.9	-108.4	-287.8	54.0	1120.0
63	ok 4445	0.10	0.6	3.05e-03	5.7	5.7	3.9	3.9	44.0	130.4	-71.5	142.5	-830.6	692.3
63	ok 4446	0.10	0.3	0.0	5.7	5.7	3.9	3.9	68.3	160.3	-32.2	-315.9	-387.9	217.0
63	ok 4447	0.10	0.1	0.0	5.7	5.7	3.9	3.9	39.5	193.9	-9.2	-37.7	-39.3	183.0
63	ok 4448	0.10	0.3	2.48e-03	5.7	5.7	3.9	3.9	14.1	212.6	25.5	-23.2	-123.0	42.7
63	ok 4449	0.10	0.2	1.13e-04	5.7	5.7	3.9	3.9	16.2	202.1	-10.7	72.6	87.7	-103.0
63	ok 4450	0.10	0.2	0.0	5.7	5.7	3.9	3.9	45.5	194.3	19.2	-36.2	60.7	-175.0
63	ok 4451	0.10	0.2	0.0	5.7	5.7	3.9	3.9	63.1	162.0	38.4	-335.0	-287.3	-151.2
63	ok 4452	0.10	0.7	2.79e-03	5.7	5.7	3.9	3.9	38.6	128.3	69.0	-27.8	-979.8	-619.1
63	ok 4453	0.10	0.4	2.00e-02	5.7	5.7	3.9	3.9	28.4	38.9	121.3	-126.9	305.7	-973.8
63	ok 4454	0.10	0.3	4.98e-02	5.7	5.7	3.9	3.9	-104.7	-13.5	113.0	197.7	1180.4	-381.4
63	ok 5206	0.10	0.5	3.54e-02	5.7	5.7	3.9	3.9	-49.2	-12.5	-129.8	388.3	1954.3	236.7
63	ok 5207	0.10	0.3	3.76e-02	5.7	5.7	3.9	3.9	0.2	-22.7	-135.2	-406.3	983.3	619.7
63	ok 5208	0.11	0.8	3.11e-02	7.1	5.7	5.3	3.9	19.2	-27.3	-137.1	-2226.9	-2579.0	904.3
63	ok 5209	0.10	0.3	1.46e-02	5.7	5.7	3.9	3.9	36.9	-13.5	-50.8	-759.6	-402.3	532.8
63	ok 5210	0.10	0.2	6.52e-03	5.7	5.7	3.9	3.9	23.0	-8.1	-17.4	-486.2	-391.0	394.4
63	ok 5211	0.10	0.2	1.03e-02	5.7	5.7	3.9	3.9	-26.4	9.3	-30.1	-231.6	-567.7	-11.1
63	ok 5212	0.10	0.2	4.26e-03	5.7	5.7	3.9	3.9	6.9	0.6	-12.8	-330.4	-382.6	-221.0
63	ok 5213	0.10	0.1	7.75e-03	5.7	5.7	3.9	3.9	26.9	-7.4	22.0	-411.3	-126.8	-328.5
63	ok 5214	0.10	0.3	1.57e-02	5.7	5.7	3.9	3.9	35.2	-12.9	56.8	-747.2	-334.4	-492.6
63	ok 5215	0.11	0.8	3.09e-02	7.0	5.7	5.2	3.9	11.9	-23.3	135.6	-2226.3	-2633.1	-812.9
63	ok 5216	0.10	0.3	3.71e-02	5.7	5.7	3.9	3.9	-1.4	-23.2	133.1	-439.8	955.1	-523.4
63	ok 5217	0.10	0.6	3.52e-02	5.7	5.7	3.9	3.9	-48.9	-14.1	128.3	396.9	1993.1	-183.8
63	ok 5236	0.10	0.7	2.45e-02	5.7	5.7	3.9	3.9	2.1	-25.8	-98.6	589.3	2711.5	-65.0

M_S	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
63	ok 5237	0.10	0.2	3.60e-02	5.7	5.7	3.9	3.9	0.6	-82.6	-102.3	163.6	637.9	275.9
63	ok 5238	0.10	0.3	4.09e-02	5.7	5.7	3.9	3.9	12.4	-139.9	-87.5	-179.1	-713.5	649.5
63	ok 5239	0.10	0.3	4.23e-02	5.7	5.7	3.9	3.9	5.6	-180.0	-45.8	-579.0	-802.3	816.1
63	ok 5240	0.10	0.2	4.54e-02	5.7	5.7	3.9	3.9	3.7	-197.4	-23.9	-452.7	-598.3	433.8
63	ok 5241	0.10	0.2	4.58e-02	5.7	5.7	3.9	3.9	-27.7	-204.5	-17.8	-822.1	-1144.5	167.5
63	ok 5242	0.10	0.1	4.73e-02	5.7	5.7	3.9	3.9	2.7	-208.8	5.2	-386.7	-459.0	-175.2
63	ok 5243	0.10	0.1	4.64e-02	5.7	5.7	3.9	3.9	6.2	-200.3	26.9	-336.0	-358.7	-436.7
63	ok 5244	0.10	0.3	4.31e-02	5.7	5.7	3.9	3.9	4.5	-181.3	50.8	-527.6	-713.5	-780.0
63	ok 5245	0.10	0.2	4.12e-02	5.7	5.7	3.9	3.9	-0.9	-149.0	80.4	210.1	-657.2	-579.5
63	ok 5246	0.10	0.2	3.60e-02	5.7	5.7	3.9	3.9	2.22e-02	-82.7	101.7	165.1	609.0	-190.7
63	ok 5247	0.10	0.7	2.45e-02	5.7	5.7	3.9	3.9	1.1	-26.3	97.8	568.4	2664.5	104.3
63	ok 5264	0.10	0.8	9.13e-03	5.7	5.7	3.9	3.9	-7.9	-32.9	-10.9	147.8	3289.4	-14.8
63	ok 5265	0.10	0.2	3.98e-02	5.7	5.7	3.9	3.9	-6.9	-179.4	-1.5	38.4	903.2	353.2
63	ok 5266	0.10	0.1	6.70e-02	5.7	5.7	3.9	3.9	-8.3	-301.6	-6.31e-02	78.9	-373.4	486.6
63	ok 5267	0.10	0.1	8.42e-02	5.7	5.7	3.9	3.9	-7.5	-379.2	-6.9	4.7	-774.4	463.1
63	ok 5268	0.10	0.1	9.23e-02	5.7	5.7	3.9	3.9	-5.8	-413.9	3.4	-70.7	-922.5	258.0
63	ok 5269	0.10	0.1	9.60e-02	5.7	5.7	3.9	3.9	-6.0	-432.0	4.1	137.7	-983.1	86.1
63	ok 5270	0.10	0.1	9.70e-02	5.7	5.7	3.9	3.9	-5.5	-435.1	-4.3	-80.8	-751.5	-72.9
63	ok 5271	0.10	0.1	9.46e-02	5.7	5.7	3.9	3.9	-7.1	-426.2	5.5	-11.0	-564.0	-316.6
63	ok 5272	0.10	0.1	8.51e-02	5.7	5.7	3.9	3.9	-7.4	-382.9	7.5	8.9	-652.3	-435.1
63	ok 5273	0.10	0.1	6.66e-02	5.7	5.7	3.9	3.9	-8.0	-300.0	0.2	80.4	-348.4	-432.8
63	ok 5274	0.10	0.2	3.92e-02	5.7	5.7	3.9	3.9	-2.1	-175.8	10.0	37.1	890.3	-288.9
63	ok 5275	0.10	0.7	8.77e-03	5.7	5.7	3.9	3.9	-8.2	-31.5	10.2	132.8	3134.6	41.8
M_S		**x/d**	**verif.**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N z**	**N o**	**N zo**	**M z**	**M o**	**M zo**
									-110.10	-435.10	-137.15	-2226.87	-2633.10	-973.84
		0.11	0.83	0.10	7.06	6.30	6.25	6.57	73.09	435.59	135.57	589.32	3289.38	1119.99

L’armatura delle pareti sommitali spesse 25 e 30 cm è costituita da una maglia base di 1+1ϕ12/20 vert. e 1+1ϕ10/20 oriz., a cui si aggiungono ferri alternati ove necessario.

M_S	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
57	ok 3559	0.04	0.4	0.1	12.7	12.7	7.7	7.7	-1503.0	-204.5	800.8	-5860.0	-2952.2	-6361.6
57	ok 3583	0.05	0.9	3.44e-02	14.9	22.8	9.9	8.8	-410.0	49.5	241.0	3.418e+04	9028.3	-1.652e+04
57	ok 3607	0.04	0.4	5.84e-03	12.7	12.7	7.7	7.7	309.4	221.3	153.1	-1.037e+04	-2502.2	5172.5
57	ok 3631	0.04	9.88e-02	5.40e-03	12.7	12.7	7.7	7.7	77.1	317.7	50.5	2042.5	348.1	-469.9
57	ok 3655	0.04	0.1	3.41e-03	12.7	12.7	7.7	7.7	78.7	329.9	72.5	1828.2	252.1	-267.3
57	ok 3679	0.04	0.2	3.25e-03	12.7	12.7	7.7	7.7	74.3	329.2	21.9	2406.1	404.5	-153.6
57	ok 3703	0.04	0.6	3.04e-03	12.7	12.7	7.7	7.7	147.1	264.5	-144.5	-1.475e+04	-3147.2	-7474.9
57	ok 3727	0.05	1.0	2.02e-02	12.7	21.6	7.7	16.6	-152.6	139.4	-180.4	4.749e+04	1.289e+04	2.296e+04
57	ok 3751	0.04	0.5	4.80e-03	12.7	12.7	7.7	7.7	132.2	131.1	-149.3	1.351e+04	3171.8	-1624.7
57	ok 3775	0.04	0.8	7.72e-03	12.7	14.0	7.7	7.7	13.8	-8.1	-102.5	5275.9	1298.9	854.3
57	ok 3799	0.04	0.1	0.1	12.7	12.7	7.7	7.7	-1830.2	-389.1	-684.2	7932.0	7.4	1503.0
57	ok 4371	0.04	0.2	2.21e-02	12.7	12.7	7.7	7.7	-230.6	-47.7	-45.7	7203.2	3768.8	3290.8
57	ok 4376	0.04	0.7	5.79e-02	12.7	13.1	7.7	8.1	-208.9	-307.8	596.7	2842.6	-2142.7	-5163.0
57	ok 4381	0.04	0.2	2.29e-02	12.7	12.7	7.7	7.7	-132.4	-54.6	243.8	7043.1	4810.0	-5681.6
57	ok 4386	0.04	9.51e-02	7.69e-03	12.7	12.7	7.7	7.7	-17.8	6.4	100.5	1289.7	-14.5	-1062.1
57	ok 4391	0.04	9.53e-02	3.75e-03	12.7	12.7	7.7	7.7	36.3	10.9	32.4	816.8	-628.3	-619.8
57	ok 4396	0.04	0.1	5.15e-03	12.7	12.7	7.7	7.7	50.2	7.5	-70.2	1005.6	-696.1	-664.2
57	ok 4401	0.04	0.4	1.43e-02	12.7	12.7	7.7	7.7	-36.1	-36.8	-174.9	9725.6	6834.5	6905.4
57	ok 4406	0.04	0.6	1.33e-02	12.7	12.7	7.7	7.7	-20.0	10.1	-170.6	8286.5	3179.4	1469.9
57	ok 4411	0.04	0.5	1.72e-02	12.7	12.7	7.7	7.7	-11.9	-60.3	-178.8	1.071e+04	6369.1	-3996.6
57	ok 4416	0.04	0.3	5.95e-02	12.7	12.7	7.7	7.7	-307.8	-324.1	-565.8	3731.5	618.3	2709.1
57	ok 4420	0.04	0.3	2.63e-02	12.7	12.7	7.7	7.7	-176.8	153.8	95.6	3804.3	45.3	346.8
57	ok 5057	0.05	0.7	8.21e-03	20.5	19.1	15.5	14.1	901.7	261.9	586.8	-3310.2	713.4	-452.0
57	ok 5069	0.04	0.1	4.98e-02	12.7	12.7	7.7	7.7	27.2	72.9	177.6	-1941.7	-641.7	-89.0
57	ok 5081	0.04	7.40e-02	2.01e-02	12.7	12.7	7.7	7.7	-132.7	-139.1	152.7	-1749.5	-8.9	-157.6
57	ok 5093	0.04	8.33e-02	2.15e-02	12.7	12.7	7.7	7.7	-44.4	-306.1	11.5	-1327.7	-578.8	-211.8
57	ok 5105	0.04	9.44e-02	2.36e-02	12.7	12.7	7.7	7.7	-41.8	-340.0	2.5	-1386.4	-732.4	-320.1
57	ok 5117	0.04	0.1	2.49e-02	12.7	12.7	7.7	7.7	-40.9	-346.5	-40.6	-1492.1	-805.5	-422.8
57	ok 5129	0.04	9.95e-02	2.42e-02	12.7	12.7	7.7	7.7	-34.7	-315.5	-78.7	-1652.7	-799.6	-536.2
57	ok 5141	0.04	0.1	2.21e-02	12.7	12.7	7.7	7.7	-32.3	-250.6	-147.5	-1965.5	-534.2	-221.8
57	ok 5153	0.04	0.2	2.04e-02	12.7	12.7	7.7	7.7	-107.3	-83.9	-203.0	-1948.0	-1015.9	1009.4
57	ok 5165	0.04	0.2	3.53e-02	12.7	12.7	7.7	7.7	-523.2	46.6	-59.5	-1027.8	-1180.0	1134.3
57	ok 5177	0.05	0.8	4.58e-03	18.6	16.8	13.6	11.8	816.0	326.7	-464.3	-3329.4	-189.1	985.1
M_S		**x/d**	**verif.**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N z**	**N o**	**N zo**	**M z**	**M o**	**M zo**
									-1830.20	-389.08	-684.15	-1.475e+04	-3147.18	-1.652e+04

		0.05	0.99	0.14	20.51	22.75	15.48	16.57	901.74	329.89	800.83	4.749e+04	1.289e+04	2.296e+04
M_S	**Nodo**	**x/d**	**verif.**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N z**	**N o**	**N zo**	**M z**	**M o**	**M zo**
									daN/cm	daN/cm	daN/cm	daN	daN	daN
58	ok 3562	0.04	0.9	8.69e-02	12.7	14.0	7.7	9.0	-1007.2	-252.8	481.8	1.094e+04	4488.3	1.506e+04
58	ok 3586	0.07	1.0	2.11e-02	40.8	14.7	28.4	9.7	-124.1	336.0	79.3	-6.422e+04	-1.753e+04	3.052e+04
58	ok 3610	0.04	0.9	8.64e-03	12.7	15.0	7.7	10.0	189.3	431.5	29.5	1.971e+04	4350.0	-1.277e+04
58	ok 3634	0.04	0.3	9.93e-03	12.7	12.7	7.7	7.7	81.0	331.6	-79.0	-7779.4	-125.2	532.6
58	ok 3658	0.04	0.3	1.79e-02	12.7	12.7	7.7	7.7	81.8	256.9	-54.8	-7906.8	157.1	83.0
58	ok 3682	0.04	0.3	2.75e-02	12.7	12.7	7.7	7.7	47.3	-283.5	-234.2	-8416.4	423.7	-381.0
58	ok 3706	0.05	1.0	3.19e-02	12.7	22.1	7.7	14.8	228.1	-384.5	-243.1	3.142e+04	8743.1	6780.4
58	ok 3730	0.09	1.0	7.79e-02	48.3	12.7	34.0	7.7	-888.9	-637.7	-463.6	-1.428e+05	-3.780e+04	-6.478e+04
58	ok 3754	0.04	1.0	2.61e-02	15.1	14.9	8.9	9.9	-85.5	-336.1	50.3	-4.427e+04	-9827.0	2163.1
58	ok 3778	0.04	0.9	2.30e-02	12.7	12.7	7.7	7.7	-34.0	-316.1	81.1	-2.466e+04	-4963.5	-2757.5
58	ok 3802	0.04	0.6	5.43e-02	12.7	12.7	7.7	7.7	-664.1	-135.7	-314.2	-9073.8	1269.8	429.6
58	ok 4372	0.04	0.6	2.20e-02	12.7	12.7	7.7	7.7	-272.0	-65.0	50.3	-1.587e+04	-7583.4	-6398.6
58	ok 4377	0.04	0.7	3.90e-02	12.7	12.7	7.7	7.7	-139.3	-19.9	189.7	-1.180e+04	-5075.8	2277.6
58	ok 4382	0.04	0.8	1.32e-02	12.7	12.7	7.7	7.7	-87.4	-47.6	25.5	-1.428e+04	-1.018e+04	9902.7
58	ok 4387	0.04	0.2	9.69e-03	12.7	12.7	7.7	7.7	-26.8	-15.8	-66.2	-3921.2	399.4	1814.5
58	ok 4392	0.04	0.1	1.32e-02	12.7	12.7	7.7	7.7	20.6	32.2	-197.7	-1813.8	2561.1	532.6
58	ok 4397	0.04	0.2	1.67e-02	12.7	12.7	7.7	7.7	24.8	38.0	-250.4	-9613.7	-272.9	-2260.4
58	ok 4402	0.04	0.8	3.18e-02	12.7	12.7	7.7	7.7	-104.7	32.6	-397.4	-2.559e+04	-1.662e+04	-1.529e+04
58	ok 4407	0.04	1.0	2.28e-02	13.9	14.8	8.9	9.8	-302.8	214.3	-102.6	-3.721e+04	-727.9	-1.527e+04
58	ok 4412	0.04	1.0	1.66e-02	13.3	12.7	8.3	7.7	-134.8	49.4	138.2	-3.371e+04	-1.700e+04	8713.4
58	ok 4417	0.04	0.5	1.93e-02	12.7	12.7	7.7	7.7	-25.4	16.5	50.9	-1.925e+04	-4186.2	-2272.6
58	ok 4421	0.04	0.7	2.42e-02	12.7	12.7	7.7	7.7	-248.7	-127.1	160.6	-8225.9	1089.8	-1754.4
58	ok 5060	0.05	0.8	2.02e-02	14.1	15.8	9.1	10.7	564.8	334.1	381.6	7004.2	-2176.1	874.3
58	ok 5072	0.04	0.1	3.61e-02	12.7	12.7	7.7	7.7	-25.0	-369.4	27.4	5133.9	564.6	-376.8
58	ok 5084	0.04	0.1	2.95e-02	12.7	12.7	7.7	7.7	-53.7	-406.1	-22.1	4671.8	998.7	-668.0
58	ok 5096	0.04	0.2	2.58e-02	12.7	12.7	7.7	7.7	-48.8	-362.8	-62.2	4763.0	1879.8	38.9
58	ok 5108	0.04	0.3	2.06e-02	12.7	12.7	7.7	7.7	-1.6	348.5	-68.7	5035.8	3076.1	-70.0
58	ok 5120	0.04	0.9	1.67e-02	12.7	13.5	7.7	8.5	5.6	433.9	-198.3	5458.9	4155.6	-327.0
58	ok 5132	0.04	0.9	1.22e-02	13.6	13.9	9.8	10.0	-21.0	576.7	-179.6	4363.8	3566.8	478.5
58	ok 5144	0.04	0.7	8.65e-03	13.2	13.5	10.7	11.1	-29.5	701.7	-96.5	4437.5	-492.5	-2217.1
58	ok 5156	0.04	0.8	9.84e-03	12.7	13.1	10.2	9.1	-58.5	561.6	-36.3	3530.1	2189.5	-3679.6
58	ok 5168	0.04	0.8	1.91e-02	12.7	12.8	7.7	8.0	65.7	491.2	-16.7	3578.9	2257.9	-3641.3
58	ok 5180	0.04	0.8	8.10e-03	12.7	12.7	7.7	7.7	304.7	243.9	-276.9	9642.2	-25.4	-1685.6
M_S		**x/d**	**verif.**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N z**	**N o**	**N zo**	**M z**	**M o**	**M zo**
									-1007.21	-637.72	-463.64	-1.428e+05	-3.780e+04	-6.478e+04
		0.09	0.98	0.09	48.29	22.14	34.01	14.82	564.77	701.68	481.80	3.142e+04	8743.10	3.052e+04

L'armatura delle pareti sommitali spesse 100 cm è costituita da una maglia base di 1+1ϕ18/20 vert. e 1+1ϕ14/20 oriz., a cui si aggiungono ferri alternati ove necessario.

3.9.5.4 STATI LIMITE D' ESERCIZIO

TABELLA STATI LIMITE D' ESERCIZIO

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
3899	0.21	0.52	0.0	91,91,0	0.10	0.0	0.0	91,0,0
3928	0.19	0.48	0.0	87,91,0	0.0	0.0	0.0	0,0,0
4229	0.27	0.61	0.0	91,91,0	0.15	0.0	0.0	91,0,0
4230	0.22	0.42	0.0	87,91,0	0.0	0.0	0.0	0,0,0
4231	0.15	0.43	0.0	91,96,0	0.0	0.0	0.0	0,0,0
4232	0.21	0.67	0.0	91,91,0	0.14	0.0	0.0	91,0,0
4233	0.06	0.56	0.0	91,91,0	0.0	0.0	0.0	0,0,0
4234	0.07	0.53	0.0	91,91,0	0.0	0.0	0.0	0,0,0
4235	0.08	0.41	0.0	91,91,0	0.0	0.0	0.0	0,0,0
4236	0.12	0.39	0.0	87,91,0	0.0	0.0	0.0	0,0,0
4237	0.07	0.37	0.0	91,87,0	0.0	0.0	0.0	0,0,0
4238	0.04	0.38	0.0	87,91,0	0.0	0.0	0.0	0,0,0
4239	0.05	0.42	0.0	91,87,0	0.0	0.0	0.0	0,0,0
4240	0.04	0.53	0.0	91,91,0	0.07	0.0	0.0	91,0,0
4241	0.06	0.54	0.0	95,96,0	0.0	0.0	0.0	0,0,0
4242	0.06	0.24	0.0	95,90,0	0.0	0.0	0.0	0,0,0
4243	0.05	0.16	0.0	95,90,0	0.0	0.0	0.0	0,0,0

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
4244	0.06	0.11	0.0	96,90,0	0.0	0.0	0.0	0,0,0
4245	0.08	0.11	0.0	96,91,0	0.0	0.0	0.0	0,0,0
4246	0.09	0.14	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4247	0.09	0.12	0.0	93,96,0	0.0	0.0	0.0	0,0,0
4248	0.10	0.13	0.0	93,94,0	0.0	0.0	0.0	0,0,0
4249	0.12	0.45	0.0	87,87,0	0.0	0.0	0.0	0,0,0
4250	0.10	0.57	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4251	0.07	0.61	0.0	96,91,0	0.08	0.0	0.0	91,0,0
4252	0.22	0.71	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4253	0.19	0.58	0.0	96,91,0	0.0	0.0	0.0	0,0,0
4254	0.36	0.74	0.0	96,96,0	0.20	0.0	0.0	96,0,0
4255	0.26	0.73	0.0	96,96,0	0.21	0.0	0.0	96,0,0
4256	0.12	0.72	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4257	0.29	0.75	0.0	96,96,0	0.18	0.0	0.0	96,0,0
4258	0.37	0.74	0.0	96,96,0	0.21	0.0	0.0	96,0,0
4259	0.31	0.73	0.0	96,96,0	0.20	0.0	0.0	96,0,0
4260	0.34	0.76	0.0	96,96,0	0.22	0.0	0.0	96,0,0
4261	0.20	0.48	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4262	0.37	0.77	0.0	96,96,0	0.20	0.0	0.0	96,0,0
4263	0.31	0.73	0.0	96,96,0	0.21	0.0	0.0	96,0,0
4264	0.28	0.73	0.0	96,96,0	0.14	0.0	0.0	96,0,0
4265	0.37	0.76	0.0	96,96,0	0.22	0.0	0.0	96,0,0
4266	0.03	0.38	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4267	0.08	0.44	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4268	0.28	0.71	0.0	96,96,0	0.14	0.0	0.0	96,0,0
4269	0.30	0.73	0.0	96,96,0	0.15	0.0	0.0	96,0,0
4270	0.39	0.76	0.0	96,96,0	0.23	0.0	0.0	96,0,0
4271	0.01	0.37	0.0	93,94,0	0.0	0.0	0.0	0,0,0
4272	0.04	0.31	0.0	93,96,0	0.0	0.0	0.0	0,0,0
4273	0.31	0.73	0.0	96,96,0	0.16	0.0	0.0	96,0,0
4274	0.33	0.74	0.0	96,96,0	0.15	0.0	0.0	96,0,0
4275	0.42	0.76	0.0	96,96,0	0.23	0.0	0.0	96,0,0
4276	0.02	0.37	0.0	93,96,0	0.0	0.0	0.0	0,0,0
4277	0.06	0.33	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4278	0.35	0.74	0.0	96,96,0	0.16	0.0	0.0	96,0,0
4279	0.39	0.74	0.0	96,96,0	0.15	0.0	0.0	96,0,0
4280	0.45	0.77	0.0	96,96,0	0.24	0.0	0.0	96,0,0
4281	0.04	0.41	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4282	0.13	0.50	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4283	0.39	0.74	0.0	96,96,0	0.15	0.0	0.0	96,0,0
4284	0.71	0.79	0.0	96,96,0	0.31	0.0	0.0	96,0,0
4285	0.64	0.79	0.0	96,96,0	0.27	0.0	0.0	96,0,0
4286	0.23	0.60	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4287	0.55	0.78	0.0	96,96,0	0.23	0.0	0.0	96,0,0
4288	0.68	0.79	0.0	96,96,0	0.29	0.0	0.0	96,0,0
4289	0.65	0.78	0.0	96,96,0	0.26	0.0	0.0	96,0,0
4290	0.66	0.79	0.0	96,96,0	0.28	0.0	0.0	96,0,0
4291	0.21	0.65	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4292	0.51	0.78	0.0	96,96,0	0.23	0.0	0.0	96,0,0
4293	0.66	0.78	0.0	96,96,0	0.26	0.0	0.0	96,0,0
4294	0.67	0.72	0.0	96,96,0	0.19	0.0	0.0	96,0,0
4295	0.59	0.79	0.0	96,96,0	0.28	0.0	0.0	96,0,0
4296	0.05	0.52	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4297	0.21	0.76	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4298	0.67	0.72	0.0	96,96,0	0.19	0.0	0.0	96,0,0
4299	0.39	0.74	0.0	96,96,0	0.21	0.0	0.0	96,0,0
4300	0.09	0.72	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4301	0.10	0.68	0.0	91,96,0	0.0	0.0	0.0	0,0,0
4302	0.39	0.73	0.0	96,96,0	0.21	0.0	0.0	96,0,0
4303	0.31	0.72	0.0	96,96,0	0.19	0.0	0.0	96,0,0
4304	0.31	0.72	0.0	96,96,0	0.19	0.0	0.0	96,0,0
4305	0.23	0.72	0.0	96,96,0	0.17	0.0	0.0	96,0,0
4306	0.08	0.72	0.0	90,96,0	0.20	0.0	0.0	96,0,0
4307	0.05	0.72	0.0	96,96,0	0.22	0.0	0.0	96,0,0
4308	0.03	0.72	0.0	93,96,0	0.22	0.0	0.0	96,0,0
4309	0.06	0.67	0.0	90,96,0	0.0	0.0	0.0	0,0,0
4310	0.06	0.72	0.0	90,96,0	0.0	0.0	0.0	0,0,0
4311	0.12	0.72	0.0	95,96,0	0.18	0.0	0.0	96,0,0
4312	0.25	0.72	0.0	96,96,0	0.22	0.0	0.0	96,0,0
4313	0.05	0.43	0.0	96,90,0	0.0	0.0	0.0	0,0,0
4314	0.24	0.73	0.0	96,96,0	0.23	0.0	0.0	96,0,0
4315	0.19	0.72	0.0	96,96,0	0.22	0.0	0.0	96,0,0
4316	0.17	0.65	0.0	96,90,0	0.0	0.0	0.0	0,0,0
4317	0.03	0.41	0.0	96,90,0	0.0	0.0	0.0	0,0,0

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
4318	0.14	0.71	0.0	96,90,0	0.0	0.0	0.0	0,0,0
4319	0.18	0.72	0.0	96,96,0	0.23	0.0	0.0	96,0,0
4320	0.14	0.72	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4321	0.01	0.27	0.0	90,90,0	0.0	0.0	0.0	0,0,0
4322	0.13	0.66	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4323	0.08	0.67	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4324	0.05	0.72	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4325	0.03	0.72	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4326	6.28e-03	0.72	0.0	84,96,0	0.0	0.0	0.0	0,0,0
4327	0.01	0.72	0.0	84,96,0	0.0	0.0	0.0	0,0,0
4328	0.01	0.72	0.0	83,96,0	0.0	0.0	0.0	0,0,0
4329	0.01	0.72	0.0	94,96,0	0.0	0.0	0.0	0,0,0
4330	0.01	0.72	0.0	94,96,0	0.0	0.0	0.0	0,0,0
4331	0.02	0.72	0.0	84,96,0	0.0	0.0	0.0	0,0,0
4332	0.05	0.72	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4333	0.07	0.65	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4382	0.23	0.51	0.0	91,91,0	0.0	0.0	0.0	0,0,0
4411	0.17	0.56	0.0	91,91,0	0.0	0.0	0.0	0,0,0
4670	0.23	0.49	0.0	91,91,0	0.0	0.0	0.0	0,0,0
4671	0.15	0.49	0.0	91,91,0	0.0	0.0	0.0	0,0,0
4672	0.12	0.58	0.0	96,91,0	0.0	0.0	0.0	0,0,0
4673	0.18	0.49	0.0	96,91,0	0.0	0.0	0.0	0,0,0
4674	0.05	0.48	0.0	96,91,0	0.0	0.0	0.0	0,0,0
4675	0.09	0.46	0.0	96,91,0	0.0	0.0	0.0	0,0,0
4676	0.09	0.43	0.0	96,87,0	0.0	0.0	0.0	0,0,0
4677	0.09	0.47	0.0	91,87,0	0.0	0.0	0.0	0,0,0
4678	0.07	0.36	0.0	96,87,0	0.0	0.0	0.0	0,0,0
4679	0.05	0.33	0.0	91,87,0	0.0	0.0	0.0	0,0,0
4680	0.11	0.73	0.0	87,87,0	0.0	0.0	0.0	0,0,0
4681	0.06	0.50	0.0	87,91,0	0.0	0.0	0.0	0,0,0
4682	0.30	0.64	0.0	95,95,0	0.0	0.0	0.0	0,0,0
4683	0.12	0.23	0.0	95,95,0	0.0	0.0	0.0	0,0,0
4684	0.11	0.28	0.0	91,91,0	0.0	0.0	0.0	0,0,0
4685	0.16	0.40	0.0	91,91,0	0.0	0.0	0.0	0,0,0
4686	0.19	0.42	0.0	91,91,0	0.0	0.0	0.0	0,0,0
4687	0.29	0.75	0.0	94,94,0	0.20	0.0	0.0	94,0,0
4688	0.22	0.57	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4689	0.21	0.53	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4690	0.23	0.62	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4691	0.08	0.53	0.0	91,96,0	0.0	0.0	0.0	0,0,0
4692	0.09	0.61	0.0	96,91,0	0.0	0.0	0.0	0,0,0
4693	0.18	0.65	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4694	0.18	0.70	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4695	0.23	0.68	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4696	0.34	0.72	0.0	96,96,0	0.15	0.0	0.0	96,0,0
4697	0.03	0.72	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4698	0.06	0.67	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4699	0.22	0.64	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4700	0.23	0.69	0.0	96,96,0	0.14	0.0	0.0	96,0,0
4701	0.35	0.77	0.0	96,96,0	0.19	0.0	0.0	96,0,0
4702	0.03	0.30	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4703	0.07	0.30	0.0	96,95,0	0.0	0.0	0.0	0,0,0
4704	0.22	0.64	0.0	96,96,0	0.13	0.0	0.0	96,0,0
4705	0.24	0.70	0.0	96,96,0	0.18	0.0	0.0	91,0,0
4706	0.35	0.76	0.0	96,96,0	0.19	0.0	0.0	96,0,0
4707	0.01	0.20	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4708	0.04	0.36	0.0	96,90,0	0.0	0.0	0.0	0,0,0
4709	0.22	0.64	0.0	96,96,0	0.15	0.0	0.0	91,0,0
4710	0.25	0.70	0.0	96,96,0	0.16	0.0	0.0	91,0,0
4711	0.36	0.75	0.0	96,96,0	0.20	0.0	0.0	96,0,0
4712	0.01	0.13	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4713	0.03	0.50	0.0	96,90,0	0.0	0.0	0.0	0,0,0
4714	0.23	0.67	0.0	96,96,0	0.14	0.0	0.0	91,0,0
4715	0.27	0.71	0.0	96,96,0	0.14	0.0	0.0	96,0,0
4716	0.38	0.75	0.0	96,96,0	0.20	0.0	0.0	96,0,0
4717	0.01	0.09	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4718	0.04	0.63	0.0	96,90,0	0.0	0.0	0.0	0,0,0
4719	0.24	0.70	0.0	96,96,0	0.13	0.0	0.0	96,0,0
4720	0.31	0.72	0.0	96,96,0	0.15	0.0	0.0	96,0,0
4721	0.40	0.74	0.0	96,96,0	0.21	0.0	0.0	96,0,0
4722	0.02	0.19	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4723	0.06	0.63	0.0	96,90,0	0.0	0.0	0.0	0,0,0
4724	0.27	0.73	0.0	96,96,0	0.12	0.0	0.0	96,0,0
4725	0.37	0.72	0.0	96,96,0	0.17	0.0	0.0	96,0,0

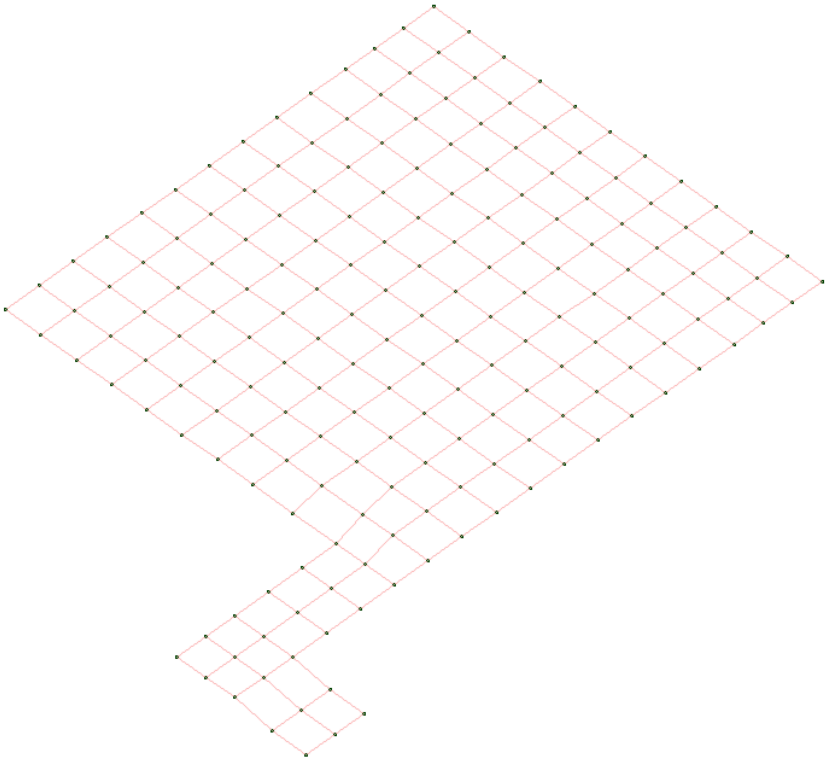
Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
4726	0.42	0.75	0.0	96,96,0	0.23	0.0	0.0	96,0,0
4727	0.04	0.27	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4728	0.12	0.58	0.0	96,90,0	0.0	0.0	0.0	0,0,0
4729	0.33	0.68	0.0	96,96,0	0.14	0.0	0.0	96,0,0
4730	0.37	0.73	0.0	96,96,0	0.21	0.0	0.0	96,0,0
4731	0.41	0.75	0.0	96,96,0	0.23	0.0	0.0	96,0,0
4732	0.04	0.31	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4733	0.12	0.60	0.0	96,90,0	0.0	0.0	0.0	0,0,0
4734	0.34	0.72	0.0	96,96,0	0.21	0.0	0.0	96,0,0
4735	0.29	0.72	0.0	96,96,0	0.20	0.0	0.0	96,0,0
4736	0.50	0.79	0.0	96,96,0	0.26	0.0	0.0	96,0,0
4737	0.03	0.34	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4738	0.09	0.59	0.0	96,95,0	0.0	0.0	0.0	0,0,0
4739	0.26	0.72	0.0	96,96,0	0.19	0.0	0.0	96,0,0
4740	0.22	0.73	0.0	96,96,0	0.19	0.0	0.0	96,0,0
4741	0.02	0.72	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4742	0.06	0.72	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4743	0.21	0.72	0.0	96,96,0	0.18	0.0	0.0	96,0,0
4744	0.34	0.73	0.0	96,96,0	0.22	0.0	0.0	96,0,0
4745	0.32	0.72	0.0	96,96,0	0.19	0.0	0.0	96,0,0
4746	0.07	0.72	0.0	91,96,0	0.23	0.0	0.0	96,0,0
4747	0.07	0.72	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4748	0.09	0.69	0.0	90,96,0	0.0	0.0	0.0	0,0,0
4749	0.06	0.33	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4750	0.04	0.56	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4751	0.04	0.71	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4752	0.07	0.72	0.0	90,96,0	0.19	0.0	0.0	96,0,0
4753	0.28	0.73	0.0	96,96,0	0.16	0.0	0.0	96,0,0
4754	0.12	0.73	0.0	96,90,0	0.24	0.0	0.0	96,0,0
4755	0.02	0.73	0.0	90,90,0	0.0	0.0	0.0	0,0,0
4756	0.10	0.73	0.0	96,90,0	0.19	0.0	0.0	96,0,0
4757	0.26	0.73	0.0	96,96,0	0.17	0.0	0.0	96,0,0
4758	0.07	0.73	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4759	0.05	0.45	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4760	0.02	0.47	0.0	90,90,0	0.0	0.0	0.0	0,0,0
4761	0.04	0.51	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4762	0.06	0.73	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4763	0.12	0.49	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4764	0.06	0.72	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4765	0.01	0.27	0.0	90,90,0	0.0	0.0	0.0	0,0,0
4766	0.06	0.72	0.0	90,96,0	0.0	0.0	0.0	0,0,0
4767	0.13	0.50	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4768	0.13	0.55	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4769	0.17	0.73	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4770	0.13	0.60	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4771	0.06	0.54	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4772	0.04	0.59	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4773	0.02	0.60	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4774	0.03	0.57	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4775	0.05	0.54	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4776	0.13	0.60	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4777	0.17	0.73	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4778	0.13	0.53	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5209	0.30	0.73	0.0	96,96,0	0.25	0.0	0.0	96,0,0
5210	0.13	0.72	0.0	96,96,0	0.19	0.0	0.0	96,0,0
5211	0.12	0.72	0.0	96,96,0	0.16	0.0	0.0	96,0,0
5212	0.12	0.72	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5213	0.14	0.68	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5214	0.14	0.57	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5215	0.13	0.26	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5216	0.12	0.72	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5217	0.13	0.72	0.0	96,96,0	0.17	0.0	0.0	96,0,0
5218	0.13	0.72	0.0	96,96,0	0.20	0.0	0.0	96,0,0
5219	0.29	0.73	0.0	96,96,0	0.20	0.0	0.0	96,0,0
5220	0.19	0.71	0.0	96,96,0	0.20	0.0	0.0	90,0,0
5221	0.04	0.71	0.0	96,90,0	0.0	0.0	0.0	0,0,0
5222	0.19	0.73	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5223	0.08	0.45	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5224	5.12e-03	0.46	0.0	90,90,0	0.0	0.0	0.0	0,0,0
5225	0.08	0.44	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5226	0.17	0.68	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5227	0.02	0.37	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5228	0.17	0.68	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5229	0.17	0.66	0.0	96,96,0	0.0	0.0	0.0	0,0,0

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
5230	0.14	0.72	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5231	0.15	0.73	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5232	0.06	0.36	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5233	0.05	0.21	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5234	0.05	0.12	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5235	0.04	0.19	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5236	0.06	0.36	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5237	0.15	0.73	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5238	0.14	0.73	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5239	0.17	0.65	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5240	0.16	0.73	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5241	0.18	0.72	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5242	0.23	0.72	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5243	0.23	0.21	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5244	0.22	0.18	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5245	0.21	0.17	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5246	0.22	0.17	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5247	0.22	0.23	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5248	0.23	0.72	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5249	0.18	0.72	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5250	0.17	0.73	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5251	0.20	0.74	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5252	0.20	0.74	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5253	0.08	0.72	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5254	0.08	0.72	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5255	0.21	0.73	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5256	0.20	0.72	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5257	0.21	0.65	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5258	0.07	0.26	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5259	0.07	0.23	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5260	0.07	0.17	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5261	0.08	0.13	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5262	0.08	0.12	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5263	0.07	0.09	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5264	0.07	0.17	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5265	0.07	0.22	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5266	0.07	0.25	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5267	0.20	0.64	0.0	96,96,0	0.0	0.0	0.0	0,0,0

Setto	rRfck	rRfyk	rPfck		wR	wF	wP	
	0.71	0.79	0.0		0.31	0.0	0.0	

3.9.6 SOLETTA SOMMITA'

La soletta di sommità ha spessore 25 cm nella pare anteriore ed è appoggiata sulle pareti della grigliatura.



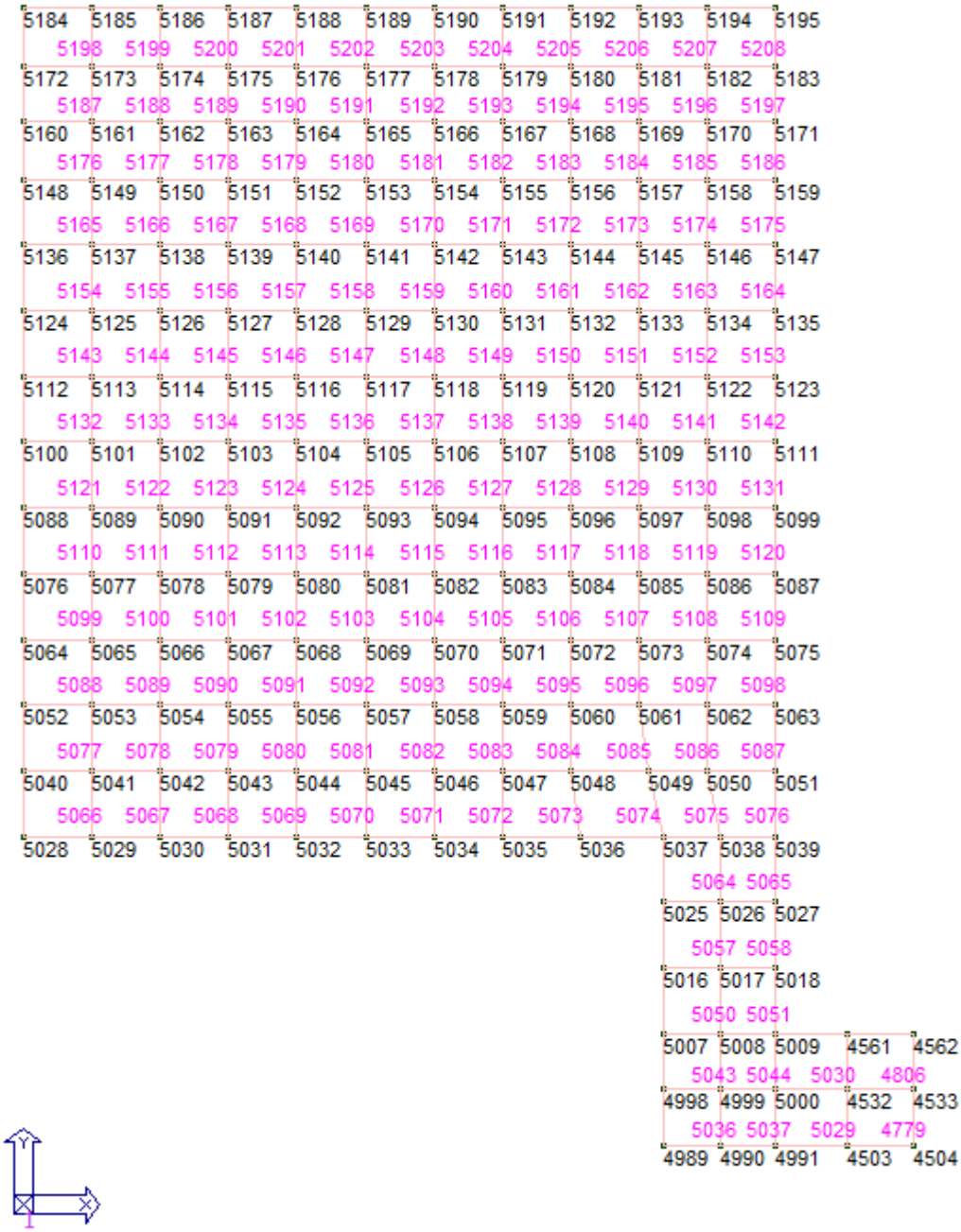
3.9.6.1 MODELLAZIONE STRUTTURA: NODI

TABELLA DATI NODI

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
4503	1254.0	90.0	1090.0	4504	1354.0	90.0	1090.0	4532	1254.0	175.0	1090.0
4533	1354.0	175.0	1090.0	4561	1254.0	260.0	1090.0	4562	1354.0	260.0	1090.0
4989	974.0	90.0	1110.0	4990	1059.0	90.0	1110.0	4991	1144.0	90.0	1110.0
4998	974.0	175.0	1110.0	4999	1059.0	175.0	1110.0	5000	1144.0	175.0	1110.0
5007	974.0	260.0	1110.0	5008	1059.0	260.0	1110.0	5009	1144.0	260.0	1110.0
5016	974.0	360.0	1110.0	5017	1059.0	360.0	1110.0	5018	1144.0	360.0	1110.0
5025	974.0	460.0	1110.0	5026	1059.0	460.0	1110.0	5027	1144.0	460.0	1110.0
5028	0.0	560.0	1110.0	5029	104.0	560.0	1110.0	5030	208.0	560.0	1110.0
5031	312.0	560.0	1110.0	5032	416.0	560.0	1110.0	5033	520.0	560.0	1110.0
5034	624.0	560.0	1110.0	5035	728.0	560.0	1110.0	5036	847.0	560.0	1110.0
5037	974.0	560.0	1110.0	5038	1059.0	560.0	1110.0	5039	1144.0	560.0	1110.0
5040	0.0	660.0	1110.0	5041	104.0	660.0	1110.0	5042	208.0	660.0	1110.0
5043	312.0	660.0	1110.0	5044	416.0	660.0	1110.0	5045	520.0	660.0	1110.0
5046	624.0	660.0	1110.0	5047	728.0	660.0	1110.0	5048	832.0	660.0	1110.0
5049	951.0	660.0	1110.0	5050	1040.0	660.0	1110.0	5051	1144.0	660.0	1110.0
5052	0.0	760.0	1110.0	5053	104.0	760.0	1110.0	5054	208.0	760.0	1110.0
5055	312.0	760.0	1110.0	5056	416.0	760.0	1110.0	5057	520.0	760.0	1110.0
5058	624.0	760.0	1110.0	5059	728.0	760.0	1110.0	5060	832.0	760.0	1110.0
5061	936.0	760.0	1110.0	5062	1040.0	760.0	1110.0	5063	1144.0	760.0	1110.0
5064	0.0	860.0	1110.0	5065	104.0	860.0	1110.0	5066	208.0	860.0	1110.0
5067	312.0	860.0	1110.0	5068	416.0	860.0	1110.0	5069	520.0	860.0	1110.0
5070	624.0	860.0	1110.0	5071	728.0	860.0	1110.0	5072	832.0	860.0	1110.0
5073	936.0	860.0	1110.0	5074	1040.0	860.0	1110.0	5075	1144.0	860.0	1110.0

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
5076	0.0	960.0	1110.0	5077	104.0	960.0	1110.0	5078	208.0	960.0	1110.0
5079	312.0	960.0	1110.0	5080	416.0	960.0	1110.0	5081	520.0	960.0	1110.0
5082	624.0	960.0	1110.0	5083	728.0	960.0	1110.0	5084	832.0	960.0	1110.0
5085	936.0	960.0	1110.0	5086	1040.0	960.0	1110.0	5087	1144.0	960.0	1110.0
5088	0.0	1060.0	1110.0	5089	104.0	1060.0	1110.0	5090	208.0	1060.0	1110.0
5091	312.0	1060.0	1110.0	5092	416.0	1060.0	1110.0	5093	520.0	1060.0	1110.0
5094	624.0	1060.0	1110.0	5095	728.0	1060.0	1110.0	5096	832.0	1060.0	1110.0
5097	936.0	1060.0	1110.0	5098	1040.0	1060.0	1110.0	5099	1144.0	1060.0	1110.0
5100	0.0	1160.0	1110.0	5101	104.0	1160.0	1110.0	5102	208.0	1160.0	1110.0
5103	312.0	1160.0	1110.0	5104	416.0	1160.0	1110.0	5105	520.0	1160.0	1110.0
5106	624.0	1160.0	1110.0	5107	728.0	1160.0	1110.0	5108	832.0	1160.0	1110.0
5109	936.0	1160.0	1110.0	5110	1040.0	1160.0	1110.0	5111	1144.0	1160.0	1110.0
5112	0.0	1260.0	1110.0	5113	104.0	1260.0	1110.0	5114	208.0	1260.0	1110.0
5115	312.0	1260.0	1110.0	5116	416.0	1260.0	1110.0	5117	520.0	1260.0	1110.0
5118	624.0	1260.0	1110.0	5119	728.0	1260.0	1110.0	5120	832.0	1260.0	1110.0
5121	936.0	1260.0	1110.0	5122	1040.0	1260.0	1110.0	5123	1144.0	1260.0	1110.0
5124	0.0	1360.0	1110.0	5125	104.0	1360.0	1110.0	5126	208.0	1360.0	1110.0
5127	312.0	1360.0	1110.0	5128	416.0	1360.0	1110.0	5129	520.0	1360.0	1110.0
5130	624.0	1360.0	1110.0	5131	728.0	1360.0	1110.0	5132	832.0	1360.0	1110.0
5133	936.0	1360.0	1110.0	5134	1040.0	1360.0	1110.0	5135	1144.0	1360.0	1110.0
5136	0.0	1460.0	1110.0	5137	104.0	1460.0	1110.0	5138	208.0	1460.0	1110.0
5139	312.0	1460.0	1110.0	5140	416.0	1460.0	1110.0	5141	520.0	1460.0	1110.0
5142	624.0	1460.0	1110.0	5143	728.0	1460.0	1110.0	5144	832.0	1460.0	1110.0
5145	936.0	1460.0	1110.0	5146	1040.0	1460.0	1110.0	5147	1144.0	1460.0	1110.0
5148	0.0	1560.0	1110.0	5149	104.0	1560.0	1110.0	5150	208.0	1560.0	1110.0
5151	312.0	1560.0	1110.0	5152	416.0	1560.0	1110.0	5153	520.0	1560.0	1110.0
5154	624.0	1560.0	1110.0	5155	728.0	1560.0	1110.0	5156	832.0	1560.0	1110.0
5157	936.0	1560.0	1110.0	5158	1040.0	1560.0	1110.0	5159	1144.0	1560.0	1110.0
5160	0.0	1647.5	1110.0	5161	104.0	1647.5	1110.0	5162	208.0	1647.5	1110.0
5163	312.0	1647.5	1110.0	5164	416.0	1647.5	1110.0	5165	520.0	1647.5	1110.0
5166	624.0	1647.5	1110.0	5167	728.0	1647.5	1110.0	5168	832.0	1647.5	1110.0
5169	936.0	1647.5	1110.0	5170	1040.0	1647.5	1110.0	5171	1144.0	1647.5	1110.0
5172	0.0	1732.5	1110.0	5173	104.0	1732.5	1110.0	5174	208.0	1732.5	1110.0
5175	312.0	1732.5	1110.0	5176	416.0	1732.5	1110.0	5177	520.0	1732.5	1110.0
5178	624.0	1732.5	1110.0	5179	728.0	1732.5	1110.0	5180	832.0	1732.5	1110.0
5181	936.0	1732.5	1110.0	5182	1040.0	1732.5	1110.0	5183	1144.0	1732.5	1110.0
5184	0.0	1820.0	1110.0	5185	104.0	1820.0	1110.0	5186	208.0	1820.0	1110.0
5187	312.0	1820.0	1110.0	5188	416.0	1820.0	1110.0	5189	520.0	1820.0	1110.0
5190	624.0	1820.0	1110.0	5191	728.0	1820.0	1110.0	5192	832.0	1820.0	1110.0
5193	936.0	1820.0	1110.0	5194	1040.0	1820.0	1110.0	5195	1144.0	1820.0	1110.0

Numerazione nodi ed elementi shell



3.9.6.2 MODELLAZIONE STRUTTURA: ELEMENTI SHELL

TABELLA DATI SHELL

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
4779	Guscio	4503	4504	4533	4532	4	25.0		
4806	Guscio	4532	4533	4562	4561	4	25.0		
5029	Guscio	4991	4503	4532	5000	4	25.0		
5030	Guscio	5000	4532	4561	5009	4	25.0		
5036	Guscio	4989	4990	4999	4998	4	25.0		
5037	Guscio	4990	4991	5000	4999	4	25.0		
5043	Guscio	4998	4999	5008	5007	4	25.0		
5044	Guscio	4999	5000	5009	5008	4	25.0		
5050	Guscio	5007	5008	5017	5016	4	25.0		
5051	Guscio	5008	5009	5018	5017	4	25.0		
5057	Guscio	5016	5017	5026	5025	4	25.0		
5058	Guscio	5017	5018	5027	5026	4	25.0		
5064	Guscio	5025	5026	5038	5037	4	25.0		
5065	Guscio	5026	5027	5039	5038	4	25.0		
5066	Guscio	5028	5029	5041	5040	4	25.0		
5067	Guscio	5029	5030	5042	5041	4	25.0		
5068	Guscio	5030	5031	5043	5042	4	25.0		
5069	Guscio	5031	5032	5044	5043	4	25.0		
5070	Guscio	5032	5033	5045	5044	4	25.0		
5071	Guscio	5033	5034	5046	5045	4	25.0		
5072	Guscio	5034	5035	5047	5046	4	25.0		
5073	Guscio	5035	5036	5048	5047	4	25.0		
5074	Guscio	5036	5037	5049	5048	4	25.0		
5075	Guscio	5037	5038	5050	5049	4	25.0		
5076	Guscio	5038	5039	5051	5050	4	25.0		
5077	Guscio	5040	5041	5053	5052	4	25.0		
5078	Guscio	5041	5042	5054	5053	4	25.0		
5079	Guscio	5042	5043	5055	5054	4	25.0		
5080	Guscio	5043	5044	5056	5055	4	25.0		
5081	Guscio	5044	5045	5057	5056	4	25.0		
5082	Guscio	5045	5046	5058	5057	4	25.0		
5083	Guscio	5046	5047	5059	5058	4	25.0		
5084	Guscio	5047	5048	5060	5059	4	25.0		
5085	Guscio	5048	5049	5061	5060	4	25.0		
5086	Guscio	5049	5050	5062	5061	4	25.0		
5087	Guscio	5050	5051	5063	5062	4	25.0		
5088	Guscio	5052	5053	5065	5064	4	25.0		
5089	Guscio	5053	5054	5066	5065	4	25.0		
5090	Guscio	5054	5055	5067	5066	4	25.0		
5091	Guscio	5055	5056	5068	5067	4	25.0		
5092	Guscio	5056	5057	5069	5068	4	25.0		
5093	Guscio	5057	5058	5070	5069	4	25.0		
5094	Guscio	5058	5059	5071	5070	4	25.0		
5095	Guscio	5059	5060	5072	5071	4	25.0		
5096	Guscio	5060	5061	5073	5072	4	25.0		
5097	Guscio	5061	5062	5074	5073	4	25.0		
5098	Guscio	5062	5063	5075	5074	4	25.0		
5099	Guscio	5064	5065	5077	5076	4	25.0		
5100	Guscio	5065	5066	5078	5077	4	25.0		
5101	Guscio	5066	5067	5079	5078	4	25.0		
5102	Guscio	5067	5068	5080	5079	4	25.0		
5103	Guscio	5068	5069	5081	5080	4	25.0		
5104	Guscio	5069	5070	5082	5081	4	25.0		
5105	Guscio	5070	5071	5083	5082	4	25.0		
5106	Guscio	5071	5072	5084	5083	4	25.0		
5107	Guscio	5072	5073	5085	5084	4	25.0		
5108	Guscio	5073	5074	5086	5085	4	25.0		
5109	Guscio	5074	5075	5087	5086	4	25.0		
5110	Guscio	5076	5077	5089	5088	4	25.0		
5111	Guscio	5077	5078	5090	5089	4	25.0		
5112	Guscio	5078	5079	5091	5090	4	25.0		
5113	Guscio	5079	5080	5092	5091	4	25.0		
5114	Guscio	5080	5081	5093	5092	4	25.0		
5115	Guscio	5081	5082	5094	5093	4	25.0		
5116	Guscio	5082	5083	5095	5094	4	25.0		
5117	Guscio	5083	5084	5096	5095	4	25.0		
5118	Guscio	5084	5085	5097	5096	4	25.0		
5119	Guscio	5085	5086	5098	5097	4	25.0		

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
5120	Guscio	5086	5087	5099	5098	4	25.0		
5121	Guscio	5088	5089	5101	5100	4	25.0		
5122	Guscio	5089	5090	5102	5101	4	25.0		
5123	Guscio	5090	5091	5103	5102	4	25.0		
5124	Guscio	5091	5092	5104	5103	4	25.0		
5125	Guscio	5092	5093	5105	5104	4	25.0		
5126	Guscio	5093	5094	5106	5105	4	25.0		
5127	Guscio	5094	5095	5107	5106	4	25.0		
5128	Guscio	5095	5096	5108	5107	4	25.0		
5129	Guscio	5096	5097	5109	5108	4	25.0		
5130	Guscio	5097	5098	5110	5109	4	25.0		
5131	Guscio	5098	5099	5111	5110	4	25.0		
5132	Guscio	5100	5101	5113	5112	4	25.0		
5133	Guscio	5101	5102	5114	5113	4	25.0		
5134	Guscio	5102	5103	5115	5114	4	25.0		
5135	Guscio	5103	5104	5116	5115	4	25.0		
5136	Guscio	5104	5105	5117	5116	4	25.0		
5137	Guscio	5105	5106	5118	5117	4	25.0		
5138	Guscio	5106	5107	5119	5118	4	25.0		
5139	Guscio	5107	5108	5120	5119	4	25.0		
5140	Guscio	5108	5109	5121	5120	4	25.0		
5141	Guscio	5109	5110	5122	5121	4	25.0		
5142	Guscio	5110	5111	5123	5122	4	25.0		
5143	Guscio	5112	5113	5125	5124	4	25.0		
5144	Guscio	5113	5114	5126	5125	4	25.0		
5145	Guscio	5114	5115	5127	5126	4	25.0		
5146	Guscio	5115	5116	5128	5127	4	25.0		
5147	Guscio	5116	5117	5129	5128	4	25.0		
5148	Guscio	5117	5118	5130	5129	4	25.0		
5149	Guscio	5118	5119	5131	5130	4	25.0		
5150	Guscio	5119	5120	5132	5131	4	25.0		
5151	Guscio	5120	5121	5133	5132	4	25.0		
5152	Guscio	5121	5122	5134	5133	4	25.0		
5153	Guscio	5122	5123	5135	5134	4	25.0		
5154	Guscio	5124	5125	5137	5136	4	25.0		
5155	Guscio	5125	5126	5138	5137	4	25.0		
5156	Guscio	5126	5127	5139	5138	4	25.0		
5157	Guscio	5127	5128	5140	5139	4	25.0		
5158	Guscio	5128	5129	5141	5140	4	25.0		
5159	Guscio	5129	5130	5142	5141	4	25.0		
5160	Guscio	5130	5131	5143	5142	4	25.0		
5161	Guscio	5131	5132	5144	5143	4	25.0		
5162	Guscio	5132	5133	5145	5144	4	25.0		
5163	Guscio	5133	5134	5146	5145	4	25.0		
5164	Guscio	5134	5135	5147	5146	4	25.0		
5165	Guscio	5136	5137	5149	5148	4	25.0		
5166	Guscio	5137	5138	5150	5149	4	25.0		
5167	Guscio	5138	5139	5151	5150	4	25.0		
5168	Guscio	5139	5140	5152	5151	4	25.0		
5169	Guscio	5140	5141	5153	5152	4	25.0		
5170	Guscio	5141	5142	5154	5153	4	25.0		
5171	Guscio	5142	5143	5155	5154	4	25.0		
5172	Guscio	5143	5144	5156	5155	4	25.0		
5173	Guscio	5144	5145	5157	5156	4	25.0		
5174	Guscio	5145	5146	5158	5157	4	25.0		
5175	Guscio	5146	5147	5159	5158	4	25.0		
5176	Guscio	5148	5149	5161	5160	4	25.0		
5177	Guscio	5149	5150	5162	5161	4	25.0		
5178	Guscio	5150	5151	5163	5162	4	25.0		
5179	Guscio	5151	5152	5164	5163	4	25.0		
5180	Guscio	5152	5153	5165	5164	4	25.0		
5181	Guscio	5153	5154	5166	5165	4	25.0		
5182	Guscio	5154	5155	5167	5166	4	25.0		
5183	Guscio	5155	5156	5168	5167	4	25.0		
5184	Guscio	5156	5157	5169	5168	4	25.0		
5185	Guscio	5157	5158	5170	5169	4	25.0		
5186	Guscio	5158	5159	5171	5170	4	25.0		
5187	Guscio	5160	5161	5173	5172	4	25.0		
5188	Guscio	5161	5162	5174	5173	4	25.0		
5189	Guscio	5162	5163	5175	5174	4	25.0		
5190	Guscio	5163	5164	5176	5175	4	25.0		
5191	Guscio	5164	5165	5177	5176	4	25.0		
5192	Guscio	5165	5166	5178	5177	4	25.0		
5193	Guscio	5166	5167	5179	5178	4	25.0		

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
5194	Guscio	5167	5168	5180	5179	4	25.0		
5195	Guscio	5168	5169	5181	5180	4	25.0		
5196	Guscio	5169	5170	5182	5181	4	25.0		
5197	Guscio	5170	5171	5183	5182	4	25.0		
5198	Guscio	5172	5173	5185	5184	4	25.0		
5199	Guscio	5173	5174	5186	5185	4	25.0		
5200	Guscio	5174	5175	5187	5186	4	25.0		
5201	Guscio	5175	5176	5188	5187	4	25.0		
5202	Guscio	5176	5177	5189	5188	4	25.0		
5203	Guscio	5177	5178	5190	5189	4	25.0		
5204	Guscio	5178	5179	5191	5190	4	25.0		
5205	Guscio	5179	5180	5192	5191	4	25.0		
5206	Guscio	5180	5181	5193	5192	4	25.0		
5207	Guscio	5181	5182	5194	5193	4	25.0		
5208	Guscio	5182	5183	5195	5194	4	25.0		

3.9.6.3 VERIFICHE ELEMENTI PARETE E GUSCIO IN C.A.

TABELLA VERIFICHE ELEMENTI GUSCIO IN C.A.

M_G	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
64	ok 4503	0.16	0.7	2.86e-02	7.7	7.7	7.7	7.7	50.3	-102.0	48.5	1051.8	4797.2	-9.77e-03
64	ok 4504	0.16	0.7	1.42e-02	7.7	7.7	7.7	7.7	23.0	13.3	8.9	413.3	4089.1	25.9
64	ok 4532	0.16	0.6	1.96e-02	7.7	7.7	7.7	7.7	34.7	121.4	44.9	-449.0	-2834.6	-253.8
64	ok 4533	0.16	0.5	1.26e-02	7.7	7.7	7.7	7.7	-8.3	-19.1	7.8	-273.9	-2835.2	109.8
64	ok 4561	0.17	0.9	9.97e-03	7.8	7.7	10.6	7.7	-24.4	135.4	53.3	-612.8	-5498.7	-38.0
64	ok 4562	0.16	0.8	8.89e-03	7.7	7.7	7.7	7.7	-19.1	7.2	23.5	166.5	-4674.4	139.6

M_G		x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									-24.42	-102.01	7.82	-612.79	-5498.70	-253.84
		0.17	0.87	0.03	7.75	7.70	10.61	7.70	50.27	135.38	53.29	1051.75	4797.19	139.58

M_G	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
69	ok 4503	0.16	0.7	3.08e-02	7.7	7.7	7.7	7.7	139.5	-86.7	100.6	1192.9	4807.2	-152.9
69	ok 4532	0.17	0.7	5.01e-02	8.8	7.7	8.8	7.7	24.2	113.4	197.6	-1124.9	-3170.2	-167.5
69	ok 4561	0.18	0.9	3.57e-02	8.3	7.7	12.0	7.7	-140.6	199.9	42.8	-1556.1	-5553.8	-326.0
69	ok 4991	0.16	0.7	1.41e-02	7.7	7.8	7.7	7.8	256.8	-13.7	117.0	790.8	3623.9	241.1
69	ok 5000	0.16	0.3	7.28e-02	7.7	7.7	7.7	7.7	27.8	-205.9	166.7	-1192.2	-1658.1	550.6
69	ok 5009	0.16	0.7	0.1	7.7	7.7	7.7	7.7	-411.2	-311.8	195.1	-3207.4	-5036.7	-310.8

M_G		x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									-411.18	-311.80	42.76	-3207.38	-5553.76	-326.05
		0.18	0.86	0.14	8.79	7.85	11.98	7.85	256.81	199.92	197.58	1192.94	4807.20	550.57

M_G	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
70	ok 4989	0.16	8.15e-02	1.78e-02	7.7	7.7	7.7	7.7	61.0	-33.6	-55.8	-136.0	272.8	394.3
70	ok 4990	0.16	0.6	2.08e-02	7.7	7.7	7.7	7.7	312.7	-69.6	30.9	768.1	2352.9	877.0
70	ok 4991	0.16	0.7	7.59e-03	7.7	7.7	7.7	7.7	317.0	-19.3	54.3	730.1	3426.7	554.3
70	ok 4998	0.16	0.2	8.64e-02	7.7	7.7	7.7	7.7	-24.6	-227.8	-156.6	1266.3	205.2	874.8
70	ok 4999	0.16	0.4	5.35e-02	7.7	7.7	7.7	7.7	-13.0	-170.5	-38.0	-558.0	-1314.1	1623.1
70	ok 5000	0.16	0.3	5.13e-02	7.7	7.7	7.7	7.7	22.3	-189.9	59.8	-1038.6	-1516.1	963.7
70	ok 5007	0.16	0.4	0.1	7.7	7.7	7.7	7.7	-63.3	-314.8	-137.0	2760.8	413.1	372.6
70	ok 5008	0.16	0.3	0.1	7.7	7.7	7.7	7.7	-214.2	-241.6	10.9	-722.3	-1655.9	791.2
70	ok 5009	0.16	0.5	0.2	7.7	7.7	7.7	7.7	-335.0	-353.3	75.7	-3465.0	-4726.2	301.2
70	ok 5016	0.16	0.3	0.2	7.7	7.7	7.7	7.7	-40.9	-637.1	-29.5	2061.8	196.4	-66.3
70	ok 5017	0.16	0.3	0.1	7.7	7.7	7.7	7.7	-4.17e-02	-481.0	163.6	-1385.8	-1156.5	-592.6
70	ok 5018	0.16	0.4	0.1	7.7	7.7	7.7	7.7	102.8	-388.5	153.1	-1711.9	-877.2	-120.0
70	ok 5025	0.16	0.2	0.2	7.7	7.7	7.7	7.7	30.8	-779.2	-30.2	1191.3	-905.3	-207.2
70	ok 5026	0.16	0.1	0.2	7.7	7.7	7.7	7.7	-40.8	-623.7	26.7	-502.5	-642.7	-223.9
70	ok 5027	0.16	0.2	0.2	7.7	7.7	7.7	7.7	-19.2	-675.5	50.9	-910.2	-987.3	61.9
70	ok 5028	0.16	0.5	7.41e-02	7.7	7.7	7.7	7.7	7.0	-4.4	56.5	449.3	2978.7	457.5
70	ok 5029	0.16	0.4	5.69e-02	7.7	7.7	7.7	7.7	-54.6	4.1	80.7	360.8	2250.1	422.3
70	ok 5030	0.16	0.7	5.47e-02	7.7	7.7	7.7	7.7	-78.1	30.8	78.5	702.5	3456.8	334.2
70	ok 5031	0.16	0.8	4.80e-02	7.7	7.7	7.7	7.7	-84.1	31.3	62.3	848.3	4315.6	325.3
70	ok 5032	0.17	0.9	4.50e-02	7.7	8.0	7.7	8.6	-134.2	12.6	53.8	1019.1	5342.6	444.6

M_G	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
70	ok 5033	0.18	0.9	9.55e-02	7.7	8.7	7.7	11.0	-241.7	-77.4	14.9	1591.7	6985.8	1024.8
70	ok 5034	0.16	0.8	7.54e-02	7.7	7.7	7.7	7.7	-201.9	-27.0	-19.4	892.9	4607.4	18.1
70	ok 5035	0.16	0.7	7.09e-02	7.7	7.7	7.7	7.7	-177.4	-19.9	-42.4	788.5	3982.0	-23.1
70	ok 5036	0.16	0.8	8.46e-02	7.7	7.9	7.7	7.9	-174.5	82.6	-98.1	696.7	3948.4	-510.5
70	ok 5037	0.17	0.7	0.3	7.7	9.0	7.7	9.2	-318.7	-315.4	40.9	551.3	2872.6	-440.9
70	ok 5038	0.16	0.2	0.2	7.7	7.7	7.7	7.7	-46.6	-40.3	-48.1	-475.0	246.7	-593.9
70	ok 5039	0.16	0.1	0.2	7.7	7.7	7.7	7.7	-64.2	-701.2	-59.9	70.1	-840.2	-133.4
70	ok 5040	0.16	0.4	8.12e-02	7.7	7.7	7.7	7.7	-6.7	-120.0	205.1	1307.0	784.8	421.2
70	ok 5041	0.16	0.4	6.00e-02	7.7	7.7	7.7	7.7	-45.1	26.2	127.0	293.8	770.1	991.3
70	ok 5042	0.16	0.3	5.52e-02	7.7	7.7	7.7	7.7	-109.9	41.4	125.6	-651.3	283.6	712.2
70	ok 5043	0.16	0.2	4.98e-02	7.7	7.7	7.7	7.7	-43.0	11.9	65.4	195.1	-286.1	684.7
70	ok 5044	0.16	0.3	5.31e-02	7.7	7.7	7.7	7.7	-136.0	57.6	119.6	-751.6	-801.9	1262.8
70	ok 5045	0.16	0.2	4.99e-02	7.7	7.7	7.7	7.7	-161.1	-21.9	-36.6	-865.2	1124.5	-310.8
70	ok 5046	0.16	0.3	6.50e-02	7.7	7.7	7.7	7.7	-156.6	-0.3	-60.1	-436.3	-1141.7	-986.6
70	ok 5047	0.16	0.2	6.36e-02	7.7	7.7	7.7	7.7	-57.6	6.2	29.2	-42.7	-1060.9	349.7
70	ok 5048	0.16	0.2	8.25e-02	7.7	7.7	7.7	7.7	-229.4	-156.0	-50.9	-659.4	722.6	-309.5
70	ok 5049	0.17	0.7	0.2	7.7	9.3	7.7	9.3	-129.3	-143.2	-95.3	-1015.1	-649.8	-1412.6
70	ok 5050	0.16	0.4	0.2	7.7	7.7	7.7	7.7	-83.7	-238.4	-187.2	102.0	-162.0	-1340.6
70	ok 5051	0.16	0.4	0.2	7.7	7.7	7.7	7.7	-19.5	-262.9	-246.0	1794.9	167.4	-311.9
70	ok 5052	0.16	0.7	7.99e-02	7.7	7.7	7.7	7.7	-41.2	-40.0	228.7	3703.9	692.8	233.0
70	ok 5053	0.16	0.2	6.44e-02	7.7	7.7	7.7	7.7	-70.2	27.6	185.8	-305.7	-645.3	927.7
70	ok 5054	0.16	0.8	5.79e-02	8.3	7.7	8.3	7.7	-90.9	58.2	196.7	-3635.1	-2766.6	-261.1
70	ok 5055	0.16	0.3	5.09e-02	7.7	7.7	7.7	7.7	-115.0	23.0	118.4	550.7	-1663.3	1002.5
70	ok 5056	0.16	0.5	4.71e-02	7.7	7.7	7.7	7.7	-118.5	45.6	107.7	-1085.6	-2668.4	217.0
70	ok 5057	0.20	0.9	5.57e-02	11.8	7.7	14.7	7.7	-143.1	193.4	136.0	-5357.2	-6985.7	78.3
70	ok 5058	0.16	0.5	5.03e-02	7.7	7.7	7.7	7.7	-152.2	4.7	-25.0	-612.2	-2682.6	10.4
70	ok 5059	0.16	0.4	5.63e-02	7.7	7.7	7.7	7.7	-170.0	-38.9	-35.2	790.9	-1935.3	-800.6
70	ok 5060	0.19	0.8	6.46e-02	12.9	7.7	12.9	7.7	-60.7	-4.8	-124.2	-5149.8	-4343.4	757.4
70	ok 5061	0.16	0.4	9.27e-02	7.7	7.7	7.7	7.7	-68.3	-86.4	-128.6	-1595.8	-1830.3	-686.5
70	ok 5062	0.16	0.4	0.1	7.7	7.7	7.7	7.7	-56.5	-157.4	-203.1	469.7	-487.5	-982.7
70	ok 5063	0.16	0.8	0.2	7.7	7.7	7.7	7.7	-40.5	-200.4	-296.5	3674.9	629.5	-203.1
70	ok 5064	0.17	0.8	7.43e-02	7.7	9.3	7.7	9.3	-57.7	16.2	257.1	4887.3	952.7	139.6
70	ok 5065	0.16	0.1	6.03e-02	7.7	7.7	7.7	7.7	-76.3	74.0	196.7	-558.2	-581.3	223.3
70	ok 5066	0.16	0.6	5.21e-02	7.7	7.7	7.7	7.7	-131.2	28.5	109.8	3598.6	1334.4	238.1
70	ok 5067	0.16	0.2	4.54e-02	7.7	7.7	7.7	7.7	-126.9	70.5	104.2	-911.9	-914.4	491.0
70	ok 5068	0.16	0.6	4.16e-02	7.7	7.7	7.7	7.7	-115.8	42.2	105.8	-2944.7	-1831.9	-478.3
70	ok 5069	0.16	0.3	4.40e-02	7.7	7.7	7.7	7.7	-136.7	-31.7	-42.9	1284.9	2111.3	40.0
70	ok 5070	0.16	0.4	4.33e-02	7.7	7.7	7.7	7.7	-162.7	6.0	-23.4	-2169.7	-1606.0	504.5
70	ok 5071	0.16	0.3	4.62e-02	7.7	7.7	7.7	7.7	-177.0	-3.0	-1.9	-1134.9	-1120.9	-407.8
70	ok 5072	0.16	0.5	4.82e-02	7.7	7.7	7.7	7.7	-173.2	-57.3	9.4	3142.8	1920.3	-66.8
70	ok 5073	0.16	0.7	6.28e-02	8.2	7.7	8.2	7.7	-40.6	-36.6	-122.3	-3001.1	-1441.3	113.9
70	ok 5074	0.16	0.2	0.1	7.7	7.7	7.7	7.7	-55.9	-61.5	-201.8	515.9	-229.5	-485.8
70	ok 5075	0.17	0.8	0.1	7.7	9.4	7.7	9.4	-58.5	-111.2	-306.9	4878.9	924.1	-114.4
70	ok 5076	0.18	0.8	6.83e-02	7.7	10.8	7.7	10.8	-62.5	112.8	282.6	5517.3	1099.0	127.6
70	ok 5077	0.16	0.1	5.12e-02	7.7	7.7	7.7	7.7	-63.2	138.6	183.8	-306.5	-46.8	405.9
70	ok 5078	0.16	0.7	4.76e-02	7.7	7.7	7.7	7.7	-36.2	94.4	112.5	-4254.9	-875.4	167.9
70	ok 5079	0.16	9.61e-02	3.86e-02	7.7	7.7	7.7	7.7	-82.4	56.4	62.1	-400.0	-148.2	119.6
70	ok 5080	0.16	0.3	3.29e-02	7.7	7.7	7.7	7.7	-81.3	34.1	75.9	-1948.3	-510.7	256.6
70	ok 5081	0.16	0.3	3.56e-02	7.7	7.7	7.7	7.7	-51.6	-35.5	88.7	-1502.8	-383.0	61.0
70	ok 5082	0.16	0.2	3.35e-02	7.7	7.7	7.7	7.7	-110.2	-19.6	-7.4	-1087.2	-322.7	-173.7
70	ok 5083	0.16	9.25e-02	3.67e-02	7.7	7.7	7.7	7.7	-77.3	-15.0	81.9	-550.9	-105.4	138.3
70	ok 5084	0.16	0.6	4.24e-02	7.7	7.7	7.7	7.7	-1.5	-19.4	-51.5	-3620.3	-782.8	-56.9
70	ok 5085	0.16	0.4	4.30e-02	7.7	7.7	7.7	7.7	-32.0	23.5	-98.2	-2394.5	-544.6	-328.1
70	ok 5086	0.16	0.3	8.05e-02	7.7	7.7	7.7	7.7	-47.5	28.0	-184.9	805.9	121.3	-332.4
70	ok 5087	0.18	0.8	0.1	7.7	10.9	7.7	10.9	-62.9	15.8	-314.8	5424.2	1075.5	-101.0
70	ok 5088	0.18	0.8	5.84e-02	7.7	12.6	7.7	12.6	-61.6	245.0	302.0	6006.2	1242.5	154.7
70	ok 5089	0.16	0.2	3.77e-02	7.7	7.7	7.7	7.7	-22.9	220.7	158.5	-424.2	36.0	344.2
70	ok 5090	0.16	0.8	3.96e-02	7.7	7.7	7.7	7.7	-11.9	160.6	67.8	-4898.2	-954.6	136.7
70	ok 5091	0.16	0.1	2.96e-02	7.7	7.7	7.7	7.7	-54.3	76.0	57.2	-348.4	-55.7	116.4
70	ok 5092	0.16	0.3	2.44e-02	7.7	7.7	7.7	7.7	-15.9	47.5	91.6	-1940.7	-391.3	227.3
70	ok 5093	0.16	0.4	2.84e-02	7.7	7.7	7.7	7.7	-7.2	-38.1	48.9	-2202.4	-486.3	17.7
70	ok 5094	0.16	0.2	2.81e-02	7.7	7.7	7.7	7.7	-49.1	-24.8	-55.2	-1106.5	-265.1	-149.5
70	ok 5095	0.16	8.94e-02	3.29e-02	7.7	7.7	7.7	7.7	-55.8	-22.1	91.7	-563.5	-135.6	72.7
70	ok 5096	0.16	0.8	3.42e-02	7.7	7.7	7.7	7.7	27.2	-7.26e-02	-15.2	-4206.6	-871.8	-28.8
70	ok 5097	0.16	0.4	2.75e-02	7.7	7.7	7.7	7.7	-13.9	93.2	-67.4	-2539.5	-517.5	-327.8
70	ok 5098	0.16	0.4	5.81e-02	7.7	7.7	7.7	7.7	-39.6	142.0	-168.4	974.3	205.6	-316.0
70	ok 5099	0.18	0.8	8.25e-02	7.7	12.5	7.7	12.5	-60.4	173.3	-320.3	5743.5	1185.9	-92.4
70	ok 5100	0.20	0.8	4.98e-02	7.7	14.6	7.7	14.6	-66.6	415.4	304.8	6607.8	1418.5	127.3
70	ok 5101	0.16	0.4	2.40e-02	7.7	7.7	7.7	7.7	-7.0	335.4	131.8	-507.9	-42.1	334.5
70	ok 5102	0.17	0.9	2.65e-02	8.7	8.0	7.7	8.0	22.5	239.9	13.9	-5545.8	-1049.4	121.1
70	ok 5103	0.16	0.1	1.97e-02	7.7	7.7	7.7	7.7	-24.7	100.1	37.1	-305.0	-40.1	101.3
70	ok 5104	0.16	0.4	2.00e-02	7.7	7.7	7.7	7.7	17.9	57.7	75.3	-2095.2	-409.7	196.3
70	ok 5105	0.16	0.4	2.74e-02	7.7	7.7	7.7	7.7	38.1	-39.9	15.1	-2463.9	-538.8	5.0
70	ok 5106	0.16	0.2	2.79e-02	7.7	7.7	7.7	7.7	-5.8	-24.9	-55.0	-1168.5	-261.5	-115.1

M_G	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
70	ok 5107	0.16	0.1	3.30e-02	7.7	7.7	7.7	7.7	-22.3	-44.2	100.4	-607.6	-155.2	74.1
70	ok 5108	0.16	0.9	3.08e-02	8.4	7.7	7.7	7.7	71.7	33.0	29.5	-4783.1	-974.0	-10.2
70	ok 5109	0.16	0.5	1.71e-02	7.7	7.7	7.7	7.7	22.2	167.8	-25.3	-2698.5	-531.1	-316.4
70	ok 5110	0.16	0.6	3.58e-02	7.7	8.0	7.7	8.0	-24.6	271.3	-135.1	1143.1	270.4	-291.2
70	ok 5111	0.19	0.8	6.19e-02	7.7	14.1	7.7	14.1	-64.9	351.4	-310.8	6165.5	1330.5	-49.5
70	ok 5112	0.21	0.8	3.87e-02	9.0	16.8	9.3	17.1	-72.0	651.8	285.9	7312.3	1671.0	62.7
70	ok 5113	0.17	0.7	1.24e-02	8.1	9.0	8.4	9.1	38.2	554.4	105.3	-528.5	155.1	463.5
70	ok 5114	0.18	0.9	1.68e-02	11.2	8.5	9.0	8.5	72.0	321.7	-51.7	-6271.9	-1147.1	88.9
70	ok 5115	0.16	0.2	1.81e-02	7.7	7.7	7.7	7.7	12.0	121.8	12.0	-272.9	-16.5	69.4
70	ok 5116	0.16	0.4	2.19e-02	7.7	7.7	7.7	7.7	61.6	65.7	60.7	-2232.1	-442.8	138.5
70	ok 5117	0.16	0.5	3.03e-02	7.7	7.7	7.7	7.7	80.2	-27.5	45.9	-2663.5	-573.7	38.0
70	ok 5118	0.16	0.2	2.93e-02	7.7	7.7	7.7	7.7	30.1	-20.7	-55.2	-1229.5	-271.3	-94.5
70	ok 5119	0.16	0.1	3.26e-02	7.7	7.7	7.7	7.7	-1.4	-43.3	108.1	-647.9	-158.2	59.3
70	ok 5120	0.18	0.8	3.07e-02	10.7	7.7	8.3	7.7	134.3	77.2	77.0	-5351.0	-1073.2	6.3
70	ok 5121	0.16	0.6	1.75e-02	7.7	7.7	7.7	7.7	81.4	238.9	30.2	-2848.9	-520.2	-270.9
70	ok 5122	0.17	0.8	1.69e-02	7.7	9.3	7.7	9.3	0.3	413.1	-68.2	1409.6	428.9	-193.6
70	ok 5123	0.21	0.8	4.07e-02	9.4	15.8	9.7	15.8	-69.1	579.4	-272.3	6660.7	1551.1	36.0
70	ok 5124	0.24	0.8	2.71e-02	9.3	16.8	12.4	22.0	-80.8	985.4	209.0	8256.4	2148.0	-38.7
70	ok 5125	0.18	0.7	7.00e-03	7.9	8.2	9.7	10.7	78.0	599.2	24.5	-685.9	178.8	301.2
70	ok 5126	0.19	0.9	1.54e-02	14.3	9.0	11.4	9.1	134.8	395.0	-110.7	-7043.4	-1224.5	22.4
70	ok 5127	0.16	0.2	1.93e-02	7.7	7.7	7.7	7.7	78.5	183.0	43.5	815.8	308.5	83.1
70	ok 5128	0.16	0.5	2.52e-02	7.7	7.7	7.7	7.7	108.7	72.2	42.2	-2311.2	-438.5	81.2
70	ok 5129	0.16	0.6	3.32e-02	7.7	7.7	7.7	7.7	125.5	-10.8	39.3	-2821.0	-595.8	42.0
70	ok 5130	0.16	0.2	3.31e-02	7.7	7.7	7.7	7.7	48.1	4.0	-54.6	-1281.0	-269.9	-46.1
70	ok 5131	0.16	0.1	3.17e-02	7.7	7.7	7.7	7.7	14.9	-32.1	112.1	-710.5	-171.2	51.9
70	ok 5132	0.19	0.9	3.19e-02	13.3	7.7	9.8	7.7	215.9	131.0	117.4	-5815.5	-1135.2	15.0
70	ok 5133	0.17	0.7	2.02e-02	8.6	7.7	8.6	7.7	161.7	287.4	96.8	-2961.1	-442.8	-153.0
70	ok 5134	0.18	0.8	1.53e-02	7.7	8.8	8.3	10.9	66.3	617.4	-67.8	1692.5	729.2	-183.3
70	ok 5135	0.23	0.8	2.55e-02	9.4	16.9	12.3	20.9	-78.4	890.3	-187.6	7373.0	1955.2	105.8
70	ok 5136	0.26	0.9	3.31e-02	8.0	14.4	16.4	26.9	-86.5	1356.2	-18.1	9136.9	2868.0	-119.3
70	ok 5137	0.19	0.7	1.03e-02	9.2	9.7	10.3	12.0	136.3	663.1	-58.1	-551.0	421.8	179.9
70	ok 5138	0.21	0.9	1.99e-02	16.4	8.8	12.6	8.8	192.7	414.4	-140.5	-7578.2	-1323.5	-27.9
70	ok 5139	0.16	0.2	2.23e-02	7.7	7.7	7.7	7.7	108.8	185.8	24.5	709.1	358.2	-20.5
70	ok 5140	0.16	0.5	2.88e-02	7.7	7.7	7.7	7.7	130.6	70.4	31.2	-2350.6	-412.4	-12.9
70	ok 5141	0.16	0.6	3.58e-02	7.7	7.7	7.7	7.7	140.5	2.2	24.7	-2832.4	-595.0	23.3
70	ok 5142	0.16	0.2	3.59e-02	7.7	7.7	7.7	7.7	44.0	13.1	-44.7	-1311.5	-266.1	-19.1
70	ok 5143	0.16	0.1	3.55e-02	7.7	7.7	7.7	7.7	7.3	-21.4	123.4	-776.4	-151.9	61.0
70	ok 5144	0.20	0.8	3.61e-02	15.1	7.7	10.9	7.7	271.8	161.8	151.3	-5973.2	-1146.1	13.0
70	ok 5145	0.17	0.7	2.78e-02	9.9	7.7	9.9	7.7	229.6	299.9	168.2	-2987.2	-327.1	108.8
70	ok 5146	0.18	0.9	2.44e-02	7.9	10.5	8.5	11.9	86.0	526.4	125.2	1752.8	912.0	101.9
70	ok 5147	0.25	0.8	3.75e-02	7.9	13.2	15.6	24.9	-84.8	1231.6	44.5	8102.2	2611.2	93.5
70	ok 5148	0.28	0.8	4.76e-02	12.1	21.9	16.9	31.3	-86.4	1387.4	-386.1	8690.9	2955.6	-238.1
70	ok 5149	0.19	0.9	2.63e-02	9.3	13.3	10.1	13.3	116.3	617.0	-213.1	997.2	342.5	-516.7
70	ok 5150	0.21	0.9	2.55e-02	16.9	9.0	12.9	9.0	224.4	359.4	-158.8	-7536.0	-1531.0	-72.2
70	ok 5151	0.16	0.2	2.71e-02	7.7	7.7	7.7	7.7	102.6	179.1	2.2	578.6	803.7	24.2
70	ok 5152	0.16	0.5	3.24e-02	7.7	7.7	7.7	7.7	121.0	60.4	33.7	-2242.6	-413.3	-258.1
70	ok 5153	0.16	0.5	3.94e-02	7.7	7.7	7.7	7.7	120.6	12.0	25.4	-2509.9	-515.3	28.8
70	ok 5154	0.16	0.2	3.95e-02	7.7	7.7	7.7	7.7	30.1	15.9	-41.7	-1288.2	-265.6	32.6
70	ok 5155	0.16	0.1	4.07e-02	7.7	7.7	7.7	7.7	-0.6	-16.0	133.3	-753.2	-214.7	82.9
70	ok 5156	0.19	0.8	4.36e-02	14.4	7.7	11.5	7.7	252.9	146.9	182.6	-5579.3	-1097.3	26.9
70	ok 5157	0.17	0.7	4.19e-02	9.8	7.7	9.8	7.7	220.3	284.9	225.2	-2820.7	-321.6	425.8
70	ok 5158	0.19	0.9	4.10e-02	8.4	13.4	8.5	13.4	111.7	623.7	161.3	1933.8	1266.6	525.0
70	ok 5159	0.27	0.8	5.81e-02	12.4	20.7	15.6	28.4	-85.1	1254.3	403.6	7854.0	2693.3	95.2
70	ok 5160	0.27	0.8	8.50e-02	15.1	23.3	15.1	28.1	-71.6	1044.4	-659.8	6991.2	2095.8	-191.4
70	ok 5161	0.19	0.9	4.27e-02	8.0	14.2	8.0	14.2	106.4	568.6	-316.1	374.1	867.4	-1302.7
70	ok 5162	0.18	0.8	3.24e-02	12.4	8.4	12.4	9.2	92.4	300.5	-47.6	2733.9	1798.9	658.3
70	ok 5163	0.16	0.3	3.11e-02	7.7	7.7	7.7	7.7	89.5	149.7	-93.8	-592.2	-187.5	-763.9
70	ok 5164	0.16	0.4	3.66e-02	7.7	7.7	7.7	7.7	46.9	56.1	-62.9	-2121.6	-1503.7	93.1
70	ok 5165	0.16	0.4	4.57e-02	7.7	7.7	7.7	7.7	50.7	21.7	35.9	-2178.4	-641.1	20.6
70	ok 5166	0.16	0.3	4.36e-02	7.7	7.7	7.7	7.7	-33.6	2.3	66.1	-1258.8	-1258.8	-352.0
70	ok 5167	0.16	0.2	4.56e-02	7.7	7.7	7.7	7.7	-33.8	-6.2	148.3	-882.1	-803.1	375.4
70	ok 5168	0.18	0.8	5.13e-02	12.3	7.7	11.1	7.7	175.7	112.5	205.7	-4811.2	-1046.2	27.5
70	ok 5169	0.17	0.7	5.51e-02	9.2	7.7	9.2	7.7	160.8	251.0	254.0	-2398.2	-472.3	722.8
70	ok 5170	0.19	0.9	6.29e-02	7.7	13.4	7.7	13.4	101.4	523.0	260.3	1550.7	863.4	553.7
70	ok 5171	0.26	0.8	9.56e-02	14.6	22.3	14.6	26.1	-66.5	889.5	661.5	6447.6	2046.3	119.4
70	ok 5172	0.27	0.9	0.1	13.7	23.3	13.7	27.2	-22.0	690.6	-829.7	5787.6	4109.2	608.0
70	ok 5173	0.19	0.8	6.95e-02	7.7	12.9	7.7	12.9	198.9	291.4	-321.5	-1047.1	162.3	-1347.7
70	ok 5174	0.16	0.4	4.14e-02	7.7	7.7	7.7	7.7	36.3	296.3	-181.4	-1365.2	585.8	-481.9
70	ok 5175	0.16	0.4	3.58e-02	7.7	7.7	7.7	7.7	95.7	91.1	-84.8	-408.0	-761.8	-1403.7
70	ok 5176	0.16	0.3	3.51e-02	7.7	7.7	7.7	7.7	-5.1	23.8	3.5	-674.3	-702.0	-822.3
70	ok 5177	0.17	0.8	5.40e-02	8.2	7.7	10.2	7.7	-145.8	76.0	-67.6	-3923.8	-3626.7	629.7
70	ok 5178	0.16	0.2	5.41e-02	7.7	7.7	7.7	7.7	-65.2	-56.7	15.0	991.2	-170.2	463.2
70	ok 5179	0.16	0.2	6.02e-02	7.7	7.7	7.7	7.7	9.8	-42.4	-63.5	928.1	33.6	557.4
70	ok 5180	0.18	0.8	6.30e-02	11.8	7.7	11.8	7.7	38.3	101.6	266.0	-4778.8	-2324.9	-390.7

M_G	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
70	ok 5181	0.16	0.6	6.76e-02	7.7	8.2	7.7	8.2	94.6	206.8	249.0	-1825.3	-546.4	1353.9
70	ok 5182	0.19	0.8	8.51e-02	7.7	13.8	7.7	13.8	126.6	232.4	442.3	986.7	1114.7	1143.9
70	ok 5183	0.26	0.9	0.1	13.1	22.5	13.1	25.7	-37.1	630.1	817.8	5496.2	3946.3	-611.2
70	ok 5184	0.22	0.7	0.2	16.4	18.5	16.4	18.5	-130.6	418.7	-944.1	5092.3	-1172.2	627.7
70	ok 5185	0.18	0.7	0.2	7.7	11.5	7.7	11.5	-148.8	-143.9	-453.6	-4284.5	-1290.9	-1511.2
70	ok 5186	0.19	0.8	2.08e-02	14.0	7.7	8.7	7.7	471.7	127.5	-60.5	-3254.8	-1512.9	-574.5
70	ok 5187	0.16	0.2	3.73e-02	7.7	7.7	7.7	7.7	-27.1	10.2	62.1	-201.7	696.8	-418.5
70	ok 5188	0.16	0.4	6.57e-02	7.7	7.7	7.7	7.7	-202.4	-3.7	87.0	425.9	2488.8	-444.3
70	ok 5189	0.19	0.9	7.21e-02	7.7	9.2	7.7	12.9	-255.4	230.4	149.0	763.9	5688.6	-251.2
70	ok 5190	0.16	0.4	8.24e-02	7.7	7.7	7.7	7.7	-253.9	-42.1	58.7	194.1	1965.7	499.2
70	ok 5191	0.16	0.2	6.45e-02	7.7	7.7	7.7	7.7	-196.8	-6.2	-19.2	215.8	984.7	-157.0
70	ok 5192	0.16	0.6	5.61e-02	7.7	7.7	7.7	7.7	-104.1	-30.0	11.0	978.6	3348.4	157.0
70	ok 5193	0.18	0.7	5.62e-02	10.7	9.2	8.5	9.2	368.1	151.4	229.2	-2581.0	572.2	791.3
70	ok 5194	0.18	0.7	0.2	7.7	11.7	7.7	11.7	-153.0	-135.2	483.0	-3930.1	-1014.4	1629.3
70	ok 5195	0.22	0.6	0.2	16.4	18.0	16.4	18.0	-94.5	407.8	927.3	4584.6	-1298.0	-499.0
M_G		**x/d**	**verif.**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N x**	**N y**	**N xy**	**M x**	**M y**	**M xy**
									-335.01	-779.17	-944.06	-7578.19	-6985.70	-1511.24
		0.28	0.95	0.25	16.95	23.29	16.93	31.27	471.72	1387.41	927.35	9136.87	6985.78	1629.28

L'armatura della soletta sp. 25 cm è costituita da una maglia base di 1ϕ14/20/20 inf / sup a cui si aggiungono ferri alternati con sezione variabile ove necessario.

3.9.6.4 STATI LIMITE D' ESERCIZIO

TABELLA STATI LIMITE D' ESERCIZIO

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
4779	0.21	0.39	0.0	91,96,0	0.0	0.0	0.0	0,0,0
4806	0.20	0.45	0.0	91,91,0	0.0	0.0	0.0	0,0,0
5029	0.22	0.41	0.0	91,91,0	0.0	0.0	0.0	0,0,0
5030	0.24	0.48	0.0	91,91,0	0.10	0.0	0.0	91,0,0
5036	0.12	0.47	0.0	96,91,0	0.0	0.0	0.0	0,0,0
5037	0.16	0.44	0.0	96,91,0	0.0	0.0	0.0	0,0,0
5043	0.12	0.27	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5044	0.20	0.22	0.0	91,96,0	0.0	0.0	0.0	0,0,0
5050	0.12	0.27	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5051	0.19	0.32	0.0	91,91,0	0.0	0.0	0.0	0,0,0
5057	0.10	0.21	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5058	0.07	0.16	0.0	91,91,0	0.0	0.0	0.0	0,0,0
5064	0.11	0.48	0.0	93,95,0	0.0	0.0	0.0	0,0,0
5065	0.06	0.18	0.0	91,95,0	0.0	0.0	0.0	0,0,0
5066	0.20	0.46	0.0	95,91,0	0.0	0.0	0.0	0,0,0
5067	0.23	0.59	0.0	94,94,0	0.0	0.0	0.0	0,0,0
5068	0.29	0.70	0.0	94,94,0	0.18	0.0	0.0	94,0,0
5069	0.35	0.75	0.0	94,94,0	0.20	0.0	0.0	94,0,0
5070	0.44	0.75	0.0	94,94,0	0.26	0.0	0.0	94,0,0
5071	0.44	0.76	0.0	94,94,0	0.26	0.0	0.0	94,0,0
5072	0.31	0.64	0.0	96,96,0	0.16	0.0	0.0	96,0,0
5073	0.27	0.56	0.0	96,96,0	0.14	0.0	0.0	96,0,0
5074	0.27	0.74	0.0	96,96,0	0.19	0.0	0.0	96,0,0
5075	0.17	0.48	0.0	93,95,0	0.0	0.0	0.0	0,0,0
5076	0.12	0.42	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5077	0.25	0.70	0.0	96,96,0	0.18	0.0	0.0	96,0,0
5078	0.21	0.71	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5079	0.17	0.58	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5080	0.19	0.49	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5081	0.36	0.74	0.0	96,96,0	0.24	0.0	0.0	96,0,0
5082	0.38	0.75	0.0	96,96,0	0.24	0.0	0.0	96,0,0
5083	0.18	0.41	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5084	0.28	0.62	0.0	96,93,0	0.14	0.0	0.0	93,0,0
5085	0.29	0.61	0.0	96,93,0	0.15	0.0	0.0	96,0,0
5086	0.15	0.38	0.0	96,95,0	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
5087	0.25	0.72	0.0	96,96,0	0.19	0.0	0.0	96,0,0
5088	0.31	0.73	0.0	96,96,0	0.18	0.0	0.0	96,0,0
5089	0.25	0.73	0.0	96,96,0	0.18	0.0	0.0	96,0,0
5090	0.24	0.49	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5091	0.17	0.44	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5092	0.36	0.75	0.0	96,96,0	0.24	0.0	0.0	96,0,0
5093	0.35	0.76	0.0	96,96,0	0.22	0.0	0.0	96,0,0
5094	0.17	0.35	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5095	0.22	0.44	0.0	96,93,0	0.0	0.0	0.0	0,0,0
5096	0.34	0.70	0.0	96,96,0	0.20	0.0	0.0	96,0,0
5097	0.14	0.39	0.0	96,95,0	0.0	0.0	0.0	0,0,0
5098	0.31	0.73	0.0	96,96,0	0.19	0.0	0.0	96,0,0
5099	0.34	0.73	0.0	96,96,0	0.18	0.0	0.0	96,0,0
5100	0.30	0.64	0.0	96,96,0	0.16	0.0	0.0	96,0,0
5101	0.22	0.47	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5102	0.13	0.33	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5103	0.14	0.32	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5104	0.08	0.13	0.0	96,95,0	0.0	0.0	0.0	0,0,0
5105	0.08	0.16	0.0	96,95,0	0.0	0.0	0.0	0,0,0
5106	0.16	0.21	0.0	96,95,0	0.0	0.0	0.0	0,0,0
5107	0.25	0.55	0.0	91,91,0	0.0	0.0	0.0	0,0,0
5108	0.17	0.39	0.0	96,95,0	0.0	0.0	0.0	0,0,0
5109	0.33	0.73	0.0	96,96,0	0.17	0.0	0.0	96,0,0
5110	0.35	0.73	0.0	96,96,0	0.19	0.0	0.0	96,0,0
5111	0.34	0.74	0.0	96,96,0	0.19	0.0	0.0	96,0,0
5112	0.22	0.52	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5113	0.13	0.24	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5114	0.15	0.34	0.0	91,91,0	0.0	0.0	0.0	0,0,0
5115	0.06	0.10	0.0	96,95,0	0.0	0.0	0.0	0,0,0
5116	0.06	0.10	0.0	96,95,0	0.0	0.0	0.0	0,0,0
5117	0.16	0.26	0.0	96,95,0	0.0	0.0	0.0	0,0,0
5118	0.30	0.68	0.0	91,91,0	0.17	0.0	0.0	91,0,0
5119	0.18	0.46	0.0	96,91,0	0.0	0.0	0.0	0,0,0
5120	0.33	0.72	0.0	96,96,0	0.18	0.0	0.0	96,0,0
5121	0.36	0.72	0.0	96,96,0	0.19	0.0	0.0	96,0,0
5122	0.37	0.77	0.0	96,96,0	0.23	0.0	0.0	96,0,0
5123	0.23	0.57	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5124	0.14	0.30	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5125	0.17	0.43	0.0	91,91,0	0.0	0.0	0.0	0,0,0
5126	0.07	0.14	0.0	96,95,0	0.0	0.0	0.0	0,0,0
5127	0.07	0.14	0.0	96,95,0	0.0	0.0	0.0	0,0,0
5128	0.16	0.32	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5129	0.32	0.77	0.0	91,91,0	0.19	0.0	0.0	91,0,0
5130	0.19	0.57	0.0	96,91,0	0.0	0.0	0.0	0,0,0
5131	0.34	0.71	0.0	96,96,0	0.18	0.0	0.0	96,0,0
5132	0.38	0.71	0.0	96,96,0	0.20	0.0	0.0	96,0,0
5133	0.37	0.77	0.0	96,96,0	0.24	0.0	0.0	96,0,0
5134	0.23	0.57	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5135	0.14	0.38	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5136	0.18	0.52	0.0	91,91,0	0.0	0.0	0.0	0,0,0
5137	0.07	0.18	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5138	0.07	0.18	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5139	0.16	0.36	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5140	0.32	0.77	0.0	91,91,0	0.21	0.0	0.0	91,0,0
5141	0.19	0.63	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5142	0.35	0.71	0.0	96,96,0	0.19	0.0	0.0	96,0,0
5143	0.42	0.72	0.0	96,96,0	0.27	0.0	0.0	96,0,0
5144	0.37	0.75	0.0	96,96,0	0.26	0.0	0.0	96,0,0
5145	0.23	0.58	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5146	0.14	0.46	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5147	0.19	0.59	0.0	91,91,0	0.0	0.0	0.0	0,0,0
5148	0.06	0.21	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5149	0.06	0.21	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5150	0.17	0.37	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5151	0.32	0.75	0.0	91,96,0	0.22	0.0	0.0	96,0,0
5152	0.19	0.71	0.0	96,96,0	0.23	0.0	0.0	96,0,0
5153	0.38	0.70	0.0	96,96,0	0.24	0.0	0.0	96,0,0
5154	0.50	0.72	0.0	96,96,0	0.26	0.0	0.0	96,0,0
5155	0.37	0.74	0.0	96,96,0	0.24	0.0	0.0	96,0,0
5156	0.24	0.71	0.0	96,96,0	0.21	0.0	0.0	96,0,0
5157	0.14	0.50	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5158	0.19	0.62	0.0	91,91,0	0.0	0.0	0.0	0,0,0
5159	0.06	0.21	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5160	0.06	0.21	0.0	96,96,0	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
5161	0.17	0.37	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5162	0.31	0.74	0.0	91,96,0	0.22	0.0	0.0	96,0,0
5163	0.18	0.72	0.0	96,96,0	0.24	0.0	0.0	96,0,0
5164	0.46	0.72	0.0	96,96,0	0.25	0.0	0.0	96,0,0
5165	0.50	0.72	0.0	96,96,0	0.28	0.0	0.0	96,0,0
5166	0.37	0.74	0.0	96,96,0	0.23	0.0	0.0	96,0,0
5167	0.24	0.71	0.0	96,96,0	0.21	0.0	0.0	96,0,0
5168	0.14	0.51	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5169	0.18	0.62	0.0	91,91,0	0.0	0.0	0.0	0,0,0
5170	0.06	0.20	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5171	0.07	0.21	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5172	0.18	0.40	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5173	0.29	0.73	0.0	91,96,0	0.22	0.0	0.0	96,0,0
5174	0.17	0.73	0.0	96,96,0	0.23	0.0	0.0	96,0,0
5175	0.46	0.73	0.0	96,96,0	0.28	0.0	0.0	96,0,0
5176	0.40	0.72	0.0	96,96,0	0.28	0.0	0.0	96,0,0
5177	0.36	0.74	0.0	96,96,0	0.23	0.0	0.0	96,0,0
5178	0.26	0.70	0.0	96,96,0	0.21	0.0	0.0	96,0,0
5179	0.13	0.47	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5180	0.16	0.53	0.0	91,91,0	0.0	0.0	0.0	0,0,0
5181	0.07	0.20	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5182	0.07	0.20	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5183	0.17	0.41	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5184	0.28	0.73	0.0	91,96,0	0.24	0.0	0.0	96,0,0
5185	0.18	0.73	0.0	96,96,0	0.24	0.0	0.0	96,0,0
5186	0.36	0.73	0.0	96,96,0	0.28	0.0	0.0	96,0,0
5187	0.31	0.73	0.0	96,96,0	0.29	0.0	0.0	96,0,0
5188	0.19	0.72	0.0	96,96,0	0.24	0.0	0.0	96,0,0
5189	0.13	0.64	0.0	96,96,0	0.21	0.0	0.0	96,0,0
5190	0.10	0.38	0.0	96,91,0	0.0	0.0	0.0	0,0,0
5191	0.31	0.75	0.0	96,96,0	0.19	0.0	0.0	96,0,0
5192	0.23	0.71	0.0	96,96,0	0.18	0.0	0.0	96,0,0
5193	0.05	0.18	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5194	0.14	0.40	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5195	0.28	0.73	0.0	96,96,0	0.23	0.0	0.0	96,0,0
5196	0.18	0.72	0.0	96,96,0	0.24	0.0	0.0	96,0,0
5197	0.29	0.73	0.0	96,96,0	0.29	0.0	0.0	96,0,0
5198	0.31	0.72	0.0	96,96,0	0.33	0.0	0.0	96,0,0
5199	0.18	0.72	0.0	96,96,0	0.25	0.0	0.0	96,0,0
5200	0.19	0.64	0.0	91,96,0	0.0	0.0	0.0	0,0,0
5201	0.18	0.36	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5202	0.30	0.74	0.0	96,96,0	0.22	0.0	0.0	96,0,0
5203	0.29	0.74	0.0	96,96,0	0.22	0.0	0.0	96,0,0
5204	0.14	0.31	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5205	0.18	0.66	0.0	96,96,0	0.0	0.0	0.0	0,0,0
5206	0.23	0.73	0.0	96,96,0	0.23	0.0	0.0	96,0,0
5207	0.16	0.72	0.0	96,96,0	0.23	0.0	0.0	96,0,0
5208	0.29	0.72	0.0	96,96,0	0.33	0.0	0.0	96,0,0

Guscio	rRfck	rRfyk	rPfck		wR	wF	wP	
	0.50	0.77	0.0		0.33	0.0	0.0	

3.10 DISSABBIATURA

Si riportano i dati relativi alla geometria, i risultati del calcolo e il progetto degli elementi principali della zona della dissabbiatura.

3.10.1 FONDAZIONE

La platea di fondazione ha spessore 70 cm ed è collocata a livello del pavimento piano terreno (estradosso +3,60 m).

3.10.1.1 MODELLAZIONE STRUTTURA: NODI

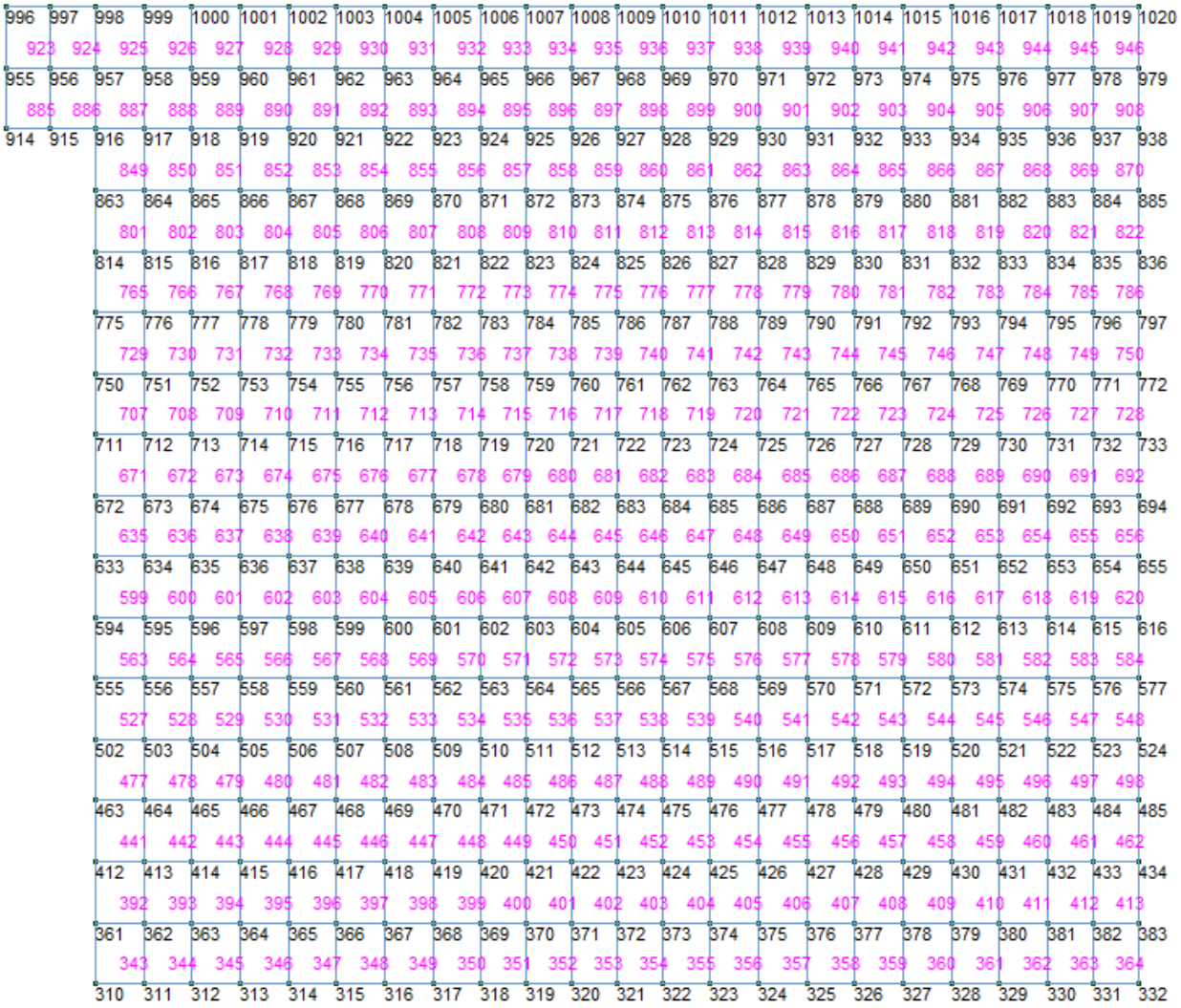
TABELLA DATI NODI

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
310	1684.0	260.0	200.0	311	1764.0	260.0	200.0	312	1844.0	260.0	200.0
313	1924.0	260.0	200.0	314	2004.0	260.0	200.0	315	2084.0	260.0	200.0
316	2164.0	260.0	200.0	317	2244.0	260.0	200.0	318	2324.0	260.0	200.0
319	2399.0	260.0	200.0	320	2474.0	260.0	200.0	321	2549.0	260.0	200.0
322	2624.0	260.0	200.0	323	2704.0	260.0	200.0	324	2784.0	260.0	200.0
325	2864.0	260.0	200.0	326	2944.0	260.0	200.0	327	3024.0	260.0	200.0
328	3104.0	260.0	200.0	329	3184.0	260.0	200.0	330	3264.0	260.0	200.0
331	3339.0	260.0	200.0	332	3414.0	260.0	200.0	361	1684.0	361.3	200.0
362	1764.0	361.3	200.0	363	1844.0	361.3	200.0	364	1924.0	361.3	200.0
365	2004.0	361.3	200.0	366	2084.0	361.3	200.0	367	2164.0	361.3	200.0
368	2244.0	361.3	200.0	369	2324.0	361.3	200.0	370	2399.0	361.3	200.0
371	2474.0	361.3	200.0	372	2549.0	361.3	200.0	373	2624.0	361.3	200.0
374	2704.0	361.3	200.0	375	2784.0	361.3	200.0	376	2864.0	361.3	200.0
377	2944.0	361.3	200.0	378	3024.0	361.3	200.0	379	3104.0	361.3	200.0
380	3184.0	361.3	200.0	381	3264.0	361.3	200.0	382	3339.0	361.3	200.0
383	3414.0	361.3	200.0	412	1684.0	462.5	200.0	413	1764.0	462.5	200.0
414	1844.0	462.5	200.0	415	1924.0	462.5	200.0	416	2004.0	462.5	200.0
417	2084.0	462.5	200.0	418	2164.0	462.5	200.0	419	2244.0	462.5	200.0
420	2324.0	462.5	200.0	421	2399.0	462.5	200.0	422	2474.0	462.5	200.0
423	2549.0	462.5	200.0	424	2624.0	462.5	200.0	425	2704.0	462.5	200.0
426	2784.0	462.5	200.0	427	2864.0	462.5	200.0	428	2944.0	462.5	200.0
429	3024.0	462.5	200.0	430	3104.0	462.5	200.0	431	3184.0	462.5	200.0
432	3264.0	462.5	200.0	433	3339.0	462.5	200.0	434	3414.0	462.5	200.0
463	1684.0	563.8	200.0	464	1764.0	563.8	200.0	465	1844.0	563.8	200.0
466	1924.0	563.8	200.0	467	2004.0	563.8	200.0	468	2084.0	563.8	200.0
469	2164.0	563.8	200.0	470	2244.0	563.8	200.0	471	2324.0	563.8	200.0
472	2399.0	563.8	200.0	473	2474.0	563.8	200.0	474	2549.0	563.8	200.0
475	2624.0	563.8	200.0	476	2704.0	563.8	200.0	477	2784.0	563.8	200.0
478	2864.0	563.8	200.0	479	2944.0	563.8	200.0	480	3024.0	563.8	200.0
481	3104.0	563.8	200.0	482	3184.0	563.8	200.0	483	3264.0	563.8	200.0
484	3339.0	563.8	200.0	485	3414.0	563.8	200.0	502	1684.0	665.0	200.0
503	1764.0	665.0	200.0	504	1844.0	665.0	200.0	505	1924.0	665.0	200.0
506	2004.0	665.0	200.0	507	2084.0	665.0	200.0	508	2164.0	665.0	200.0
509	2244.0	665.0	200.0	510	2324.0	665.0	200.0	511	2399.0	665.0	200.0
512	2474.0	665.0	200.0	513	2549.0	665.0	200.0	514	2624.0	665.0	200.0
515	2704.0	665.0	200.0	516	2784.0	665.0	200.0	517	2864.0	665.0	200.0
518	2944.0	665.0	200.0	519	3024.0	665.0	200.0	520	3104.0	665.0	200.0
521	3184.0	665.0	200.0	522	3264.0	665.0	200.0	523	3339.0	665.0	200.0
524	3414.0	665.0	200.0	555	1684.0	766.3	200.0	556	1764.0	766.3	200.0
557	1844.0	766.3	200.0	558	1924.0	766.3	200.0	559	2004.0	766.3	200.0
560	2084.0	766.3	200.0	561	2164.0	766.3	200.0	562	2244.0	766.3	200.0
563	2324.0	766.3	200.0	564	2399.0	766.3	200.0	565	2474.0	766.3	200.0
566	2549.0	766.3	200.0	567	2624.0	766.3	200.0	568	2704.0	766.3	200.0
569	2784.0	766.3	200.0	570	2864.0	766.3	200.0	571	2944.0	766.3	200.0
572	3024.0	766.3	200.0	573	3104.0	766.3	200.0	574	3184.0	766.3	200.0
575	3264.0	766.3	200.0	576	3339.0	766.3	200.0	577	3414.0	766.3	200.0
594	1684.0	867.5	200.0	595	1764.0	867.5	200.0	596	1844.0	867.5	200.0
597	1924.0	867.5	200.0	598	2004.0	867.5	200.0	599	2084.0	867.5	200.0
600	2164.0	867.5	200.0	601	2244.0	867.5	200.0	602	2324.0	867.5	200.0

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
603	2399.0	867.5	200.0	604	2474.0	867.5	200.0	605	2549.0	867.5	200.0
606	2624.0	867.5	200.0	607	2704.0	867.5	200.0	608	2784.0	867.5	200.0
609	2864.0	867.5	200.0	610	2944.0	867.5	200.0	611	3024.0	867.5	200.0
612	3104.0	867.5	200.0	613	3184.0	867.5	200.0	614	3264.0	867.5	200.0
615	3339.0	867.5	200.0	616	3414.0	867.5	200.0	633	1684.0	968.8	200.0
634	1764.0	968.8	200.0	635	1844.0	968.8	200.0	636	1924.0	968.8	200.0
637	2004.0	968.8	200.0	638	2084.0	968.8	200.0	639	2164.0	968.8	200.0
640	2244.0	968.8	200.0	641	2324.0	968.8	200.0	642	2399.0	968.8	200.0
643	2474.0	968.8	200.0	644	2549.0	968.8	200.0	645	2624.0	968.8	200.0
646	2704.0	968.8	200.0	647	2784.0	968.8	200.0	648	2864.0	968.8	200.0
649	2944.0	968.8	200.0	650	3024.0	968.8	200.0	651	3104.0	968.8	200.0
652	3184.0	968.8	200.0	653	3264.0	968.8	200.0	654	3339.0	968.8	200.0
655	3414.0	968.8	200.0	672	1684.0	1070.0	200.0	673	1764.0	1070.0	200.0
674	1844.0	1070.0	200.0	675	1924.0	1070.0	200.0	676	2004.0	1070.0	200.0
677	2084.0	1070.0	200.0	678	2164.0	1070.0	200.0	679	2244.0	1070.0	200.0
680	2324.0	1070.0	200.0	681	2399.0	1070.0	200.0	682	2474.0	1070.0	200.0
683	2549.0	1070.0	200.0	684	2624.0	1070.0	200.0	685	2704.0	1070.0	200.0
686	2784.0	1070.0	200.0	687	2864.0	1070.0	200.0	688	2944.0	1070.0	200.0
689	3024.0	1070.0	200.0	690	3104.0	1070.0	200.0	691	3184.0	1070.0	200.0
692	3264.0	1070.0	200.0	693	3339.0	1070.0	200.0	694	3414.0	1070.0	200.0
711	1684.0	1171.3	200.0	712	1764.0	1171.3	200.0	713	1844.0	1171.3	200.0
714	1924.0	1171.3	200.0	715	2004.0	1171.3	200.0	716	2084.0	1171.3	200.0
717	2164.0	1171.3	200.0	718	2244.0	1171.3	200.0	719	2324.0	1171.3	200.0
720	2399.0	1171.3	200.0	721	2474.0	1171.3	200.0	722	2549.0	1171.3	200.0
723	2624.0	1171.3	200.0	724	2704.0	1171.3	200.0	725	2784.0	1171.3	200.0
726	2864.0	1171.3	200.0	727	2944.0	1171.3	200.0	728	3024.0	1171.3	200.0
729	3104.0	1171.3	200.0	730	3184.0	1171.3	200.0	731	3264.0	1171.3	200.0
732	3339.0	1171.3	200.0	733	3414.0	1171.3	200.0	750	1684.0	1272.5	200.0
751	1764.0	1272.5	200.0	752	1844.0	1272.5	200.0	753	1924.0	1272.5	200.0
754	2004.0	1272.5	200.0	755	2084.0	1272.5	200.0	756	2164.0	1272.5	200.0
757	2244.0	1272.5	200.0	758	2324.0	1272.5	200.0	759	2399.0	1272.5	200.0
760	2474.0	1272.5	200.0	761	2549.0	1272.5	200.0	762	2624.0	1272.5	200.0
763	2704.0	1272.5	200.0	764	2784.0	1272.5	200.0	765	2864.0	1272.5	200.0
766	2944.0	1272.5	200.0	767	3024.0	1272.5	200.0	768	3104.0	1272.5	200.0
769	3184.0	1272.5	200.0	770	3264.0	1272.5	200.0	771	3339.0	1272.5	200.0
772	3414.0	1272.5	200.0	775	1684.0	1373.8	200.0	776	1764.0	1373.8	200.0
777	1844.0	1373.8	200.0	778	1924.0	1373.8	200.0	779	2004.0	1373.8	200.0
780	2084.0	1373.8	200.0	781	2164.0	1373.8	200.0	782	2244.0	1373.8	200.0
783	2324.0	1373.8	200.0	784	2399.0	1373.8	200.0	785	2474.0	1373.8	200.0
786	2549.0	1373.8	200.0	787	2624.0	1373.8	200.0	788	2704.0	1373.8	200.0
789	2784.0	1373.8	200.0	790	2864.0	1373.8	200.0	791	2944.0	1373.8	200.0
792	3024.0	1373.8	200.0	793	3104.0	1373.8	200.0	794	3184.0	1373.8	200.0
795	3264.0	1373.8	200.0	796	3339.0	1373.8	200.0	797	3414.0	1373.8	200.0
814	1684.0	1475.0	200.0	815	1764.0	1475.0	200.0	816	1844.0	1475.0	200.0
817	1924.0	1475.0	200.0	818	2004.0	1475.0	200.0	819	2084.0	1475.0	200.0
820	2164.0	1475.0	200.0	821	2244.0	1475.0	200.0	822	2324.0	1475.0	200.0
823	2399.0	1475.0	200.0	824	2474.0	1475.0	200.0	825	2549.0	1475.0	200.0
826	2624.0	1475.0	200.0	827	2704.0	1475.0	200.0	828	2784.0	1475.0	200.0
829	2864.0	1475.0	200.0	830	2944.0	1475.0	200.0	831	3024.0	1475.0	200.0
832	3104.0	1475.0	200.0	833	3184.0	1475.0	200.0	834	3264.0	1475.0	200.0
835	3339.0	1475.0	200.0	836	3414.0	1475.0	200.0	863	1684.0	1576.3	200.0
864	1764.0	1576.3	200.0	865	1844.0	1576.3	200.0	866	1924.0	1576.3	200.0
867	2004.0	1576.3	200.0	868	2084.0	1576.3	200.0	869	2164.0	1576.3	200.0
870	2244.0	1576.3	200.0	871	2324.0	1576.3	200.0	872	2399.0	1576.3	200.0
873	2474.0	1576.3	200.0	874	2549.0	1576.3	200.0	875	2624.0	1576.3	200.0
876	2704.0	1576.3	200.0	877	2784.0	1576.3	200.0	878	2864.0	1576.3	200.0
879	2944.0	1576.3	200.0	880	3024.0	1576.3	200.0	881	3104.0	1576.3	200.0
882	3184.0	1576.3	200.0	883	3264.0	1576.3	200.0	884	3339.0	1576.3	200.0
885	3414.0	1576.3	200.0	914	1534.0	1677.5	200.0	915	1609.0	1677.5	200.0
916	1684.0	1677.5	200.0	917	1764.0	1677.5	200.0	918	1844.0	1677.5	200.0
919	1924.0	1677.5	200.0	920	2004.0	1677.5	200.0	921	2084.0	1677.5	200.0
922	2164.0	1677.5	200.0	923	2244.0	1677.5	200.0	924	2324.0	1677.5	200.0
925	2399.0	1677.5	200.0	926	2474.0	1677.5	200.0	927	2549.0	1677.5	200.0
928	2624.0	1677.5	200.0	929	2704.0	1677.5	200.0	930	2784.0	1677.5	200.0
931	2864.0	1677.5	200.0	932	2944.0	1677.5	200.0	933	3024.0	1677.5	200.0
934	3104.0	1677.5	200.0	935	3184.0	1677.5	200.0	936	3264.0	1677.5	200.0
937	3339.0	1677.5	200.0	938	3414.0	1677.5	200.0	955	1534.0	1778.8	200.0
956	1609.0	1778.8	200.0	957	1684.0	1778.8	200.0	958	1764.0	1778.8	200.0
959	1844.0	1778.8	200.0	960	1924.0	1778.8	200.0	961	2004.0	1778.8	200.0
962	2084.0	1778.8	200.0	963	2164.0	1778.8	200.0	964	2244.0	1778.8	200.0
965	2324.0	1778.8	200.0	966	2399.0	1778.8	200.0	967	2474.0	1778.8	200.0
968	2549.0	1778.8	200.0	969	2624.0	1778.8	200.0	970	2704.0	1778.8	200.0
971	2784.0	1778.8	200.0	972	2864.0	1778.8	200.0	973	2944.0	1778.8	200.0
974	3024.0	1778.8	200.0	975	3104.0	1778.8	200.0	976	3184.0	1778.8	200.0

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
977	3264.0	1778.8	200.0	978	3339.0	1778.8	200.0	979	3414.0	1778.8	200.0
996	1534.0	1880.0	200.0	997	1609.0	1880.0	200.0	998	1684.0	1880.0	200.0
999	1764.0	1880.0	200.0	1000	1844.0	1880.0	200.0	1001	1924.0	1880.0	200.0
1002	2004.0	1880.0	200.0	1003	2084.0	1880.0	200.0	1004	2164.0	1880.0	200.0
1005	2244.0	1880.0	200.0	1006	2324.0	1880.0	200.0	1007	2399.0	1880.0	200.0
1008	2474.0	1880.0	200.0	1009	2549.0	1880.0	200.0	1010	2624.0	1880.0	200.0
1011	2704.0	1880.0	200.0	1012	2784.0	1880.0	200.0	1013	2864.0	1880.0	200.0
1014	2944.0	1880.0	200.0	1015	3024.0	1880.0	200.0	1016	3104.0	1880.0	200.0
1017	3184.0	1880.0	200.0	1018	3264.0	1880.0	200.0	1019	3339.0	1880.0	200.0
1020	3414.0	1880.0	200.0								

Numerazione nodi ed elementi shell



3.10.1.2 MODELLAZIONE STRUTTURA: ELEMENTI SHELL

TABELLA DATI SHELL

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
343	Guscio fond.	310	311	362	361	4	70.0	1.00	1.00
344	Guscio fond.	311	312	363	362	4	70.0	1.00	1.00
345	Guscio fond.	312	313	364	363	4	70.0	1.00	1.00
346	Guscio fond.	313	314	365	364	4	70.0	1.00	1.00
347	Guscio fond.	314	315	366	365	4	70.0	1.00	1.00
348	Guscio fond.	315	316	367	366	4	70.0	1.00	1.00
349	Guscio fond.	316	317	368	367	4	70.0	1.00	1.00
350	Guscio fond.	317	318	369	368	4	70.0	1.00	1.00
351	Guscio fond.	318	319	370	369	4	70.0	1.00	1.00
352	Guscio fond.	319	320	371	370	4	70.0	1.00	1.00
353	Guscio fond.	320	321	372	371	4	70.0	1.00	1.00
354	Guscio fond.	321	322	373	372	4	70.0	1.00	1.00
355	Guscio fond.	322	323	374	373	4	70.0	1.00	1.00
356	Guscio fond.	323	324	375	374	4	70.0	1.00	1.00
357	Guscio fond.	324	325	376	375	4	70.0	1.00	1.00
358	Guscio fond.	325	326	377	376	4	70.0	1.00	1.00
359	Guscio fond.	326	327	378	377	4	70.0	1.00	1.00
360	Guscio fond.	327	328	379	378	4	70.0	1.00	1.00
361	Guscio fond.	328	329	380	379	4	70.0	1.00	1.00
362	Guscio fond.	329	330	381	380	4	70.0	1.00	1.00
363	Guscio fond.	330	331	382	381	4	70.0	1.00	1.00
364	Guscio fond.	331	332	383	382	4	70.0	1.00	1.00
392	Guscio fond.	361	362	413	412	4	70.0	1.00	1.00
393	Guscio fond.	362	363	414	413	4	70.0	1.00	1.00
394	Guscio fond.	363	364	415	414	4	70.0	1.00	1.00
395	Guscio fond.	364	365	416	415	4	70.0	1.00	1.00
396	Guscio fond.	365	366	417	416	4	70.0	1.00	1.00
397	Guscio fond.	366	367	418	417	4	70.0	1.00	1.00
398	Guscio fond.	367	368	419	418	4	70.0	1.00	1.00
399	Guscio fond.	368	369	420	419	4	70.0	1.00	1.00
400	Guscio fond.	369	370	421	420	4	70.0	1.00	1.00
401	Guscio fond.	370	371	422	421	4	70.0	1.00	1.00
402	Guscio fond.	371	372	423	422	4	70.0	1.00	1.00
403	Guscio fond.	372	373	424	423	4	70.0	1.00	1.00
404	Guscio fond.	373	374	425	424	4	70.0	1.00	1.00
405	Guscio fond.	374	375	426	425	4	70.0	1.00	1.00
406	Guscio fond.	375	376	427	426	4	70.0	1.00	1.00
407	Guscio fond.	376	377	428	427	4	70.0	1.00	1.00
408	Guscio fond.	377	378	429	428	4	70.0	1.00	1.00
409	Guscio fond.	378	379	430	429	4	70.0	1.00	1.00
410	Guscio fond.	379	380	431	430	4	70.0	1.00	1.00
411	Guscio fond.	380	381	432	431	4	70.0	1.00	1.00
412	Guscio fond.	381	382	433	432	4	70.0	1.00	1.00
413	Guscio fond.	382	383	434	433	4	70.0	1.00	1.00
441	Guscio fond.	412	413	464	463	4	70.0	1.00	1.00
442	Guscio fond.	413	414	465	464	4	70.0	1.00	1.00
443	Guscio fond.	414	415	466	465	4	70.0	1.00	1.00
444	Guscio fond.	415	416	467	466	4	70.0	1.00	1.00
445	Guscio fond.	416	417	468	467	4	70.0	1.00	1.00
446	Guscio fond.	417	418	469	468	4	70.0	1.00	1.00
447	Guscio fond.	418	419	470	469	4	70.0	1.00	1.00
448	Guscio fond.	419	420	471	470	4	70.0	1.00	1.00
449	Guscio fond.	420	421	472	471	4	70.0	1.00	1.00
450	Guscio fond.	421	422	473	472	4	70.0	1.00	1.00
451	Guscio fond.	422	423	474	473	4	70.0	1.00	1.00
452	Guscio fond.	423	424	475	474	4	70.0	1.00	1.00
453	Guscio fond.	424	425	476	475	4	70.0	1.00	1.00
454	Guscio fond.	425	426	477	476	4	70.0	1.00	1.00
455	Guscio fond.	426	427	478	477	4	70.0	1.00	1.00
456	Guscio fond.	427	428	479	478	4	70.0	1.00	1.00
457	Guscio fond.	428	429	480	479	4	70.0	1.00	1.00
458	Guscio fond.	429	430	481	480	4	70.0	1.00	1.00
459	Guscio fond.	430	431	482	481	4	70.0	1.00	1.00
460	Guscio fond.	431	432	483	482	4	70.0	1.00	1.00
461	Guscio fond.	432	433	484	483	4	70.0	1.00	1.00
462	Guscio fond.	433	434	485	484	4	70.0	1.00	1.00
477	Guscio fond.	463	464	503	502	4	70.0	1.00	1.00
478	Guscio fond.	464	465	504	503	4	70.0	1.00	1.00

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
479	Guscio fond.	465	466	505	504	4	70.0	1.00	1.00
480	Guscio fond.	466	467	506	505	4	70.0	1.00	1.00
481	Guscio fond.	467	468	507	506	4	70.0	1.00	1.00
482	Guscio fond.	468	469	508	507	4	70.0	1.00	1.00
483	Guscio fond.	469	470	509	508	4	70.0	1.00	1.00
484	Guscio fond.	470	471	510	509	4	70.0	1.00	1.00
485	Guscio fond.	471	472	511	510	4	70.0	1.00	1.00
486	Guscio fond.	472	473	512	511	4	70.0	1.00	1.00
487	Guscio fond.	473	474	513	512	4	70.0	1.00	1.00
488	Guscio fond.	474	475	514	513	4	70.0	1.00	1.00
489	Guscio fond.	475	476	515	514	4	70.0	1.00	1.00
490	Guscio fond.	476	477	516	515	4	70.0	1.00	1.00
491	Guscio fond.	477	478	517	516	4	70.0	1.00	1.00
492	Guscio fond.	478	479	518	517	4	70.0	1.00	1.00
493	Guscio fond.	479	480	519	518	4	70.0	1.00	1.00
494	Guscio fond.	480	481	520	519	4	70.0	1.00	1.00
495	Guscio fond.	481	482	521	520	4	70.0	1.00	1.00
496	Guscio fond.	482	483	522	521	4	70.0	1.00	1.00
497	Guscio fond.	483	484	523	522	4	70.0	1.00	1.00
498	Guscio fond.	484	485	524	523	4	70.0	1.00	1.00
527	Guscio fond.	502	503	556	555	4	70.0	1.00	1.00
528	Guscio fond.	503	504	557	556	4	70.0	1.00	1.00
529	Guscio fond.	504	505	558	557	4	70.0	1.00	1.00
530	Guscio fond.	505	506	559	558	4	70.0	1.00	1.00
531	Guscio fond.	506	507	560	559	4	70.0	1.00	1.00
532	Guscio fond.	507	508	561	560	4	70.0	1.00	1.00
533	Guscio fond.	508	509	562	561	4	70.0	1.00	1.00
534	Guscio fond.	509	510	563	562	4	70.0	1.00	1.00
535	Guscio fond.	510	511	564	563	4	70.0	1.00	1.00
536	Guscio fond.	511	512	565	564	4	70.0	1.00	1.00
537	Guscio fond.	512	513	566	565	4	70.0	1.00	1.00
538	Guscio fond.	513	514	567	566	4	70.0	1.00	1.00
539	Guscio fond.	514	515	568	567	4	70.0	1.00	1.00
540	Guscio fond.	515	516	569	568	4	70.0	1.00	1.00
541	Guscio fond.	516	517	570	569	4	70.0	1.00	1.00
542	Guscio fond.	517	518	571	570	4	70.0	1.00	1.00
543	Guscio fond.	518	519	572	571	4	70.0	1.00	1.00
544	Guscio fond.	519	520	573	572	4	70.0	1.00	1.00
545	Guscio fond.	520	521	574	573	4	70.0	1.00	1.00
546	Guscio fond.	521	522	575	574	4	70.0	1.00	1.00
547	Guscio fond.	522	523	576	575	4	70.0	1.00	1.00
548	Guscio fond.	523	524	577	576	4	70.0	1.00	1.00
563	Guscio fond.	555	556	595	594	4	70.0	1.00	1.00
564	Guscio fond.	556	557	596	595	4	70.0	1.00	1.00
565	Guscio fond.	557	558	597	596	4	70.0	1.00	1.00
566	Guscio fond.	558	559	598	597	4	70.0	1.00	1.00
567	Guscio fond.	559	560	599	598	4	70.0	1.00	1.00
568	Guscio fond.	560	561	600	599	4	70.0	1.00	1.00
569	Guscio fond.	561	562	601	600	4	70.0	1.00	1.00
570	Guscio fond.	562	563	602	601	4	70.0	1.00	1.00
571	Guscio fond.	563	564	603	602	4	70.0	1.00	1.00
572	Guscio fond.	564	565	604	603	4	70.0	1.00	1.00
573	Guscio fond.	565	566	605	604	4	70.0	1.00	1.00
574	Guscio fond.	566	567	606	605	4	70.0	1.00	1.00
575	Guscio fond.	567	568	607	606	4	70.0	1.00	1.00
576	Guscio fond.	568	569	608	607	4	70.0	1.00	1.00
577	Guscio fond.	569	570	609	608	4	70.0	1.00	1.00
578	Guscio fond.	570	571	610	609	4	70.0	1.00	1.00
579	Guscio fond.	571	572	611	610	4	70.0	1.00	1.00
580	Guscio fond.	572	573	612	611	4	70.0	1.00	1.00
581	Guscio fond.	573	574	613	612	4	70.0	1.00	1.00
582	Guscio fond.	574	575	614	613	4	70.0	1.00	1.00
583	Guscio fond.	575	576	615	614	4	70.0	1.00	1.00
584	Guscio fond.	576	577	616	615	4	70.0	1.00	1.00
599	Guscio fond.	594	595	634	633	4	70.0	1.00	1.00
600	Guscio fond.	595	596	635	634	4	70.0	1.00	1.00
601	Guscio fond.	596	597	636	635	4	70.0	1.00	1.00
602	Guscio fond.	597	598	637	636	4	70.0	1.00	1.00
603	Guscio fond.	598	599	638	637	4	70.0	1.00	1.00
604	Guscio fond.	599	600	639	638	4	70.0	1.00	1.00
605	Guscio fond.	600	601	640	639	4	70.0	1.00	1.00
606	Guscio fond.	601	602	641	640	4	70.0	1.00	1.00
607	Guscio fond.	602	603	642	641	4	70.0	1.00	1.00
608	Guscio fond.	603	604	643	642	4	70.0	1.00	1.00

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
609	Guscio fond.	604	605	644	643	4	70.0	1.00	1.00
610	Guscio fond.	605	606	645	644	4	70.0	1.00	1.00
611	Guscio fond.	606	607	646	645	4	70.0	1.00	1.00
612	Guscio fond.	607	608	647	646	4	70.0	1.00	1.00
613	Guscio fond.	608	609	648	647	4	70.0	1.00	1.00
614	Guscio fond.	609	610	649	648	4	70.0	1.00	1.00
615	Guscio fond.	610	611	650	649	4	70.0	1.00	1.00
616	Guscio fond.	611	612	651	650	4	70.0	1.00	1.00
617	Guscio fond.	612	613	652	651	4	70.0	1.00	1.00
618	Guscio fond.	613	614	653	652	4	70.0	1.00	1.00
619	Guscio fond.	614	615	654	653	4	70.0	1.00	1.00
620	Guscio fond.	615	616	655	654	4	70.0	1.00	1.00
635	Guscio fond.	633	634	673	672	4	70.0	1.00	1.00
636	Guscio fond.	634	635	674	673	4	70.0	1.00	1.00
637	Guscio fond.	635	636	675	674	4	70.0	1.00	1.00
638	Guscio fond.	636	637	676	675	4	70.0	1.00	1.00
639	Guscio fond.	637	638	677	676	4	70.0	1.00	1.00
640	Guscio fond.	638	639	678	677	4	70.0	1.00	1.00
641	Guscio fond.	639	640	679	678	4	70.0	1.00	1.00
642	Guscio fond.	640	641	680	679	4	70.0	1.00	1.00
643	Guscio fond.	641	642	681	680	4	70.0	1.00	1.00
644	Guscio fond.	642	643	682	681	4	70.0	1.00	1.00
645	Guscio fond.	643	644	683	682	4	70.0	1.00	1.00
646	Guscio fond.	644	645	684	683	4	70.0	1.00	1.00
647	Guscio fond.	645	646	685	684	4	70.0	1.00	1.00
648	Guscio fond.	646	647	686	685	4	70.0	1.00	1.00
649	Guscio fond.	647	648	687	686	4	70.0	1.00	1.00
650	Guscio fond.	648	649	688	687	4	70.0	1.00	1.00
651	Guscio fond.	649	650	689	688	4	70.0	1.00	1.00
652	Guscio fond.	650	651	690	689	4	70.0	1.00	1.00
653	Guscio fond.	651	652	691	690	4	70.0	1.00	1.00
654	Guscio fond.	652	653	692	691	4	70.0	1.00	1.00
655	Guscio fond.	653	654	693	692	4	70.0	1.00	1.00
656	Guscio fond.	654	655	694	693	4	70.0	1.00	1.00
671	Guscio fond.	672	673	712	711	4	70.0	1.00	1.00
672	Guscio fond.	673	674	713	712	4	70.0	1.00	1.00
673	Guscio fond.	674	675	714	713	4	70.0	1.00	1.00
674	Guscio fond.	675	676	715	714	4	70.0	1.00	1.00
675	Guscio fond.	676	677	716	715	4	70.0	1.00	1.00
676	Guscio fond.	677	678	717	716	4	70.0	1.00	1.00
677	Guscio fond.	678	679	718	717	4	70.0	1.00	1.00
678	Guscio fond.	679	680	719	718	4	70.0	1.00	1.00
679	Guscio fond.	680	681	720	719	4	70.0	1.00	1.00
680	Guscio fond.	681	682	721	720	4	70.0	1.00	1.00
681	Guscio fond.	682	683	722	721	4	70.0	1.00	1.00
682	Guscio fond.	683	684	723	722	4	70.0	1.00	1.00
683	Guscio fond.	684	685	724	723	4	70.0	1.00	1.00
684	Guscio fond.	685	686	725	724	4	70.0	1.00	1.00
685	Guscio fond.	686	687	726	725	4	70.0	1.00	1.00
686	Guscio fond.	687	688	727	726	4	70.0	1.00	1.00
687	Guscio fond.	688	689	728	727	4	70.0	1.00	1.00
688	Guscio fond.	689	690	729	728	4	70.0	1.00	1.00
689	Guscio fond.	690	691	730	729	4	70.0	1.00	1.00
690	Guscio fond.	691	692	731	730	4	70.0	1.00	1.00
691	Guscio fond.	692	693	732	731	4	70.0	1.00	1.00
692	Guscio fond.	693	694	733	732	4	70.0	1.00	1.00
707	Guscio fond.	711	712	751	750	4	70.0	1.00	1.00
708	Guscio fond.	712	713	752	751	4	70.0	1.00	1.00
709	Guscio fond.	713	714	753	752	4	70.0	1.00	1.00
710	Guscio fond.	714	715	754	753	4	70.0	1.00	1.00
711	Guscio fond.	715	716	755	754	4	70.0	1.00	1.00
712	Guscio fond.	716	717	756	755	4	70.0	1.00	1.00
713	Guscio fond.	717	718	757	756	4	70.0	1.00	1.00
714	Guscio fond.	718	719	758	757	4	70.0	1.00	1.00
715	Guscio fond.	719	720	759	758	4	70.0	1.00	1.00
716	Guscio fond.	720	721	760	759	4	70.0	1.00	1.00
717	Guscio fond.	721	722	761	760	4	70.0	1.00	1.00
718	Guscio fond.	722	723	762	761	4	70.0	1.00	1.00
719	Guscio fond.	723	724	763	762	4	70.0	1.00	1.00
720	Guscio fond.	724	725	764	763	4	70.0	1.00	1.00
721	Guscio fond.	725	726	765	764	4	70.0	1.00	1.00
722	Guscio fond.	726	727	766	765	4	70.0	1.00	1.00
723	Guscio fond.	727	728	767	766	4	70.0	1.00	1.00
724	Guscio fond.	728	729	768	767	4	70.0	1.00	1.00

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
725	Guscio fond.	729	730	769	768	4	70.0	1.00	1.00
726	Guscio fond.	730	731	770	769	4	70.0	1.00	1.00
727	Guscio fond.	731	732	771	770	4	70.0	1.00	1.00
728	Guscio fond.	732	733	772	771	4	70.0	1.00	1.00
729	Guscio fond.	750	751	776	775	4	70.0	1.00	1.00
730	Guscio fond.	751	752	777	776	4	70.0	1.00	1.00
731	Guscio fond.	752	753	778	777	4	70.0	1.00	1.00
732	Guscio fond.	753	754	779	778	4	70.0	1.00	1.00
733	Guscio fond.	754	755	780	779	4	70.0	1.00	1.00
734	Guscio fond.	755	756	781	780	4	70.0	1.00	1.00
735	Guscio fond.	756	757	782	781	4	70.0	1.00	1.00
736	Guscio fond.	757	758	783	782	4	70.0	1.00	1.00
737	Guscio fond.	758	759	784	783	4	70.0	1.00	1.00
738	Guscio fond.	759	760	785	784	4	70.0	1.00	1.00
739	Guscio fond.	760	761	786	785	4	70.0	1.00	1.00
740	Guscio fond.	761	762	787	786	4	70.0	1.00	1.00
741	Guscio fond.	762	763	788	787	4	70.0	1.00	1.00
742	Guscio fond.	763	764	789	788	4	70.0	1.00	1.00
743	Guscio fond.	764	765	790	789	4	70.0	1.00	1.00
744	Guscio fond.	765	766	791	790	4	70.0	1.00	1.00
745	Guscio fond.	766	767	792	791	4	70.0	1.00	1.00
746	Guscio fond.	767	768	793	792	4	70.0	1.00	1.00
747	Guscio fond.	768	769	794	793	4	70.0	1.00	1.00
748	Guscio fond.	769	770	795	794	4	70.0	1.00	1.00
749	Guscio fond.	770	771	796	795	4	70.0	1.00	1.00
750	Guscio fond.	771	772	797	796	4	70.0	1.00	1.00
765	Guscio fond.	775	776	815	814	4	70.0	1.00	1.00
766	Guscio fond.	776	777	816	815	4	70.0	1.00	1.00
767	Guscio fond.	777	778	817	816	4	70.0	1.00	1.00
768	Guscio fond.	778	779	818	817	4	70.0	1.00	1.00
769	Guscio fond.	779	780	819	818	4	70.0	1.00	1.00
770	Guscio fond.	780	781	820	819	4	70.0	1.00	1.00
771	Guscio fond.	781	782	821	820	4	70.0	1.00	1.00
772	Guscio fond.	782	783	822	821	4	70.0	1.00	1.00
773	Guscio fond.	783	784	823	822	4	70.0	1.00	1.00
774	Guscio fond.	784	785	824	823	4	70.0	1.00	1.00
775	Guscio fond.	785	786	825	824	4	70.0	1.00	1.00
776	Guscio fond.	786	787	826	825	4	70.0	1.00	1.00
777	Guscio fond.	787	788	827	826	4	70.0	1.00	1.00
778	Guscio fond.	788	789	828	827	4	70.0	1.00	1.00
779	Guscio fond.	789	790	829	828	4	70.0	1.00	1.00
780	Guscio fond.	790	791	830	829	4	70.0	1.00	1.00
781	Guscio fond.	791	792	831	830	4	70.0	1.00	1.00
782	Guscio fond.	792	793	832	831	4	70.0	1.00	1.00
783	Guscio fond.	793	794	833	832	4	70.0	1.00	1.00
784	Guscio fond.	794	795	834	833	4	70.0	1.00	1.00
785	Guscio fond.	795	796	835	834	4	70.0	1.00	1.00
786	Guscio fond.	796	797	836	835	4	70.0	1.00	1.00
801	Guscio fond.	814	815	864	863	4	70.0	1.00	1.00
802	Guscio fond.	815	816	865	864	4	70.0	1.00	1.00
803	Guscio fond.	816	817	866	865	4	70.0	1.00	1.00
804	Guscio fond.	817	818	867	866	4	70.0	1.00	1.00
805	Guscio fond.	818	819	868	867	4	70.0	1.00	1.00
806	Guscio fond.	819	820	869	868	4	70.0	1.00	1.00
807	Guscio fond.	820	821	870	869	4	70.0	1.00	1.00
808	Guscio fond.	821	822	871	870	4	70.0	1.00	1.00
809	Guscio fond.	822	823	872	871	4	70.0	1.00	1.00
810	Guscio fond.	823	824	873	872	4	70.0	1.00	1.00
811	Guscio fond.	824	825	874	873	4	70.0	1.00	1.00
812	Guscio fond.	825	826	875	874	4	70.0	1.00	1.00
813	Guscio fond.	826	827	876	875	4	70.0	1.00	1.00
814	Guscio fond.	827	828	877	876	4	70.0	1.00	1.00
815	Guscio fond.	828	829	878	877	4	70.0	1.00	1.00
816	Guscio fond.	829	830	879	878	4	70.0	1.00	1.00
817	Guscio fond.	830	831	880	879	4	70.0	1.00	1.00
818	Guscio fond.	831	832	881	880	4	70.0	1.00	1.00
819	Guscio fond.	832	833	882	881	4	70.0	1.00	1.00
820	Guscio fond.	833	834	883	882	4	70.0	1.00	1.00
821	Guscio fond.	834	835	884	883	4	70.0	1.00	1.00
822	Guscio fond.	835	836	885	884	4	70.0	1.00	1.00
849	Guscio fond.	863	864	917	916	4	70.0	1.00	1.00
850	Guscio fond.	864	865	918	917	4	70.0	1.00	1.00
851	Guscio fond.	865	866	919	918	4	70.0	1.00	1.00
852	Guscio fond.	866	867	920	919	4	70.0	1.00	1.00

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
853	Guscio fond.	867	868	921	920	4	70.0	1.00	1.00
854	Guscio fond.	868	869	922	921	4	70.0	1.00	1.00
855	Guscio fond.	869	870	923	922	4	70.0	1.00	1.00
856	Guscio fond.	870	871	924	923	4	70.0	1.00	1.00
857	Guscio fond.	871	872	925	924	4	70.0	1.00	1.00
858	Guscio fond.	872	873	926	925	4	70.0	1.00	1.00
859	Guscio fond.	873	874	927	926	4	70.0	1.00	1.00
860	Guscio fond.	874	875	928	927	4	70.0	1.00	1.00
861	Guscio fond.	875	876	929	928	4	70.0	1.00	1.00
862	Guscio fond.	876	877	930	929	4	70.0	1.00	1.00
863	Guscio fond.	877	878	931	930	4	70.0	1.00	1.00
864	Guscio fond.	878	879	932	931	4	70.0	1.00	1.00
865	Guscio fond.	879	880	933	932	4	70.0	1.00	1.00
866	Guscio fond.	880	881	934	933	4	70.0	1.00	1.00
867	Guscio fond.	881	882	935	934	4	70.0	1.00	1.00
868	Guscio fond.	882	883	936	935	4	70.0	1.00	1.00
869	Guscio fond.	883	884	937	936	4	70.0	1.00	1.00
870	Guscio fond.	884	885	938	937	4	70.0	1.00	1.00
885	Guscio fond.	914	915	956	955	4	70.0	1.00	1.00
886	Guscio fond.	915	916	957	956	4	70.0	1.00	1.00
887	Guscio fond.	916	917	958	957	4	70.0	1.00	1.00
888	Guscio fond.	917	918	959	958	4	70.0	1.00	1.00
889	Guscio fond.	918	919	960	959	4	70.0	1.00	1.00
890	Guscio fond.	919	920	961	960	4	70.0	1.00	1.00
891	Guscio fond.	920	921	962	961	4	70.0	1.00	1.00
892	Guscio fond.	921	922	963	962	4	70.0	1.00	1.00
893	Guscio fond.	922	923	964	963	4	70.0	1.00	1.00
894	Guscio fond.	923	924	965	964	4	70.0	1.00	1.00
895	Guscio fond.	924	925	966	965	4	70.0	1.00	1.00
896	Guscio fond.	925	926	967	966	4	70.0	1.00	1.00
897	Guscio fond.	926	927	968	967	4	70.0	1.00	1.00
898	Guscio fond.	927	928	969	968	4	70.0	1.00	1.00
899	Guscio fond.	928	929	970	969	4	70.0	1.00	1.00
900	Guscio fond.	929	930	971	970	4	70.0	1.00	1.00
901	Guscio fond.	930	931	972	971	4	70.0	1.00	1.00
902	Guscio fond.	931	932	973	972	4	70.0	1.00	1.00
903	Guscio fond.	932	933	974	973	4	70.0	1.00	1.00
904	Guscio fond.	933	934	975	974	4	70.0	1.00	1.00
905	Guscio fond.	934	935	976	975	4	70.0	1.00	1.00
906	Guscio fond.	935	936	977	976	4	70.0	1.00	1.00
907	Guscio fond.	936	937	978	977	4	70.0	1.00	1.00
908	Guscio fond.	937	938	979	978	4	70.0	1.00	1.00
923	Guscio fond.	955	956	997	996	4	70.0	1.00	1.00
924	Guscio fond.	956	957	998	997	4	70.0	1.00	1.00
925	Guscio fond.	957	958	999	998	4	70.0	1.00	1.00
926	Guscio fond.	958	959	1000	999	4	70.0	1.00	1.00
927	Guscio fond.	959	960	1001	1000	4	70.0	1.00	1.00
928	Guscio fond.	960	961	1002	1001	4	70.0	1.00	1.00
929	Guscio fond.	961	962	1003	1002	4	70.0	1.00	1.00
930	Guscio fond.	962	963	1004	1003	4	70.0	1.00	1.00
931	Guscio fond.	963	964	1005	1004	4	70.0	1.00	1.00
932	Guscio fond.	964	965	1006	1005	4	70.0	1.00	1.00
933	Guscio fond.	965	966	1007	1006	4	70.0	1.00	1.00
934	Guscio fond.	966	967	1008	1007	4	70.0	1.00	1.00
935	Guscio fond.	967	968	1009	1008	4	70.0	1.00	1.00
936	Guscio fond.	968	969	1010	1009	4	70.0	1.00	1.00
937	Guscio fond.	969	970	1011	1010	4	70.0	1.00	1.00
938	Guscio fond.	970	971	1012	1011	4	70.0	1.00	1.00
939	Guscio fond.	971	972	1013	1012	4	70.0	1.00	1.00
940	Guscio fond.	972	973	1014	1013	4	70.0	1.00	1.00
941	Guscio fond.	973	974	1015	1014	4	70.0	1.00	1.00
942	Guscio fond.	974	975	1016	1015	4	70.0	1.00	1.00
943	Guscio fond.	975	976	1017	1016	4	70.0	1.00	1.00
944	Guscio fond.	976	977	1018	1017	4	70.0	1.00	1.00
945	Guscio fond.	977	978	1019	1018	4	70.0	1.00	1.00
946	Guscio fond.	978	979	1020	1019	4	70.0	1.00	1.00

3.10.1.3 RISULTATI OPERE DI FONDAZIONE

RISULTATI OPERE DI FONDAZIONE

Nodo (G)	Pt 1/12	Pt 2/13	Pt 3...	Pt 4...							
	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2
310	-1.46	-1.47	-1.51	-1.52	-1.12	-1.13	-1.17	-1.18	-1.42	-2.20	-1.93
	-1.55	-2.72	-1.48	-2.26	-1.99	-1.61	-2.78	-1.24	-1.62	-2.71	-3.09
	-1.23	-1.62	-2.70	-3.10	-1.27	-1.66	-2.67	-3.05	-1.27	-1.66	-2.66
	-3.06	-1.27	-2.54	-1.71	-2.98	-1.28	-2.55	-1.70	-2.97	-1.25	-2.56
	-1.69	-3.00	-1.26	-2.57	-1.68	-2.99	-1.70	-1.88	-2.41	-2.59	-1.70
	-1.88	-2.40	-2.59	-1.72	-1.90	-2.39	-2.57	-1.71	-1.90	-2.38	-2.57
	-1.72	-2.32	-1.93	-2.53	-1.72	-2.33	-1.92	-2.53	-1.71	-2.33	-1.92
	-2.54	-1.71	-2.33	-1.91	-2.54	-1.12	-1.13	-1.16	-1.16	-1.09	-1.69
	-1.49	-1.19	-2.09	-1.13	-1.73	-1.52	-1.23	-2.13			
311	-1.43	-1.44	-1.48	-1.49	-1.10	-1.11	-1.15	-1.16	-1.39	-2.13	-1.89
	-1.51	-2.64	-1.45	-2.19	-1.95	-1.57	-2.71	-1.23	-1.61	-2.60	-2.98
	-1.22	-1.61	-2.60	-2.99	-1.26	-1.64	-2.56	-2.94	-1.26	-1.65	-2.56
	-2.95	-1.23	-2.50	-1.64	-2.91	-1.24	-2.51	-1.63	-2.90	-1.22	-2.51
	-1.63	-2.93	-1.23	-2.53	-1.62	-2.92	-1.66	-1.84	-2.32	-2.50	-1.66
	-1.85	-2.32	-2.51	-1.68	-1.86	-2.31	-2.49	-1.68	-1.86	-2.31	-2.49
	-1.67	-2.27	-1.87	-2.47	-1.68	-2.27	-1.86	-2.46	-1.66	-2.28	-1.86
	-2.47	-1.67	-2.28	-1.85	-2.47	-1.10	-1.10	-1.13	-1.14	-1.07	-1.64
	-1.45	-1.16	-2.03	-1.11	-1.68	-1.49	-1.20	-2.07			
312	-1.39	-1.40	-1.44	-1.46	-1.07	-1.08	-1.12	-1.14	-1.36	-2.06	-1.84
	-1.47	-2.57	-1.43	-2.13	-1.91	-1.54	-2.64	-1.22	-1.60	-2.50	-2.87
	-1.21	-1.60	-2.49	-2.88	-1.25	-1.63	-2.46	-2.84	-1.25	-1.63	-2.46
	-2.85	-1.20	-2.45	-1.58	-2.84	-1.21	-2.46	-1.57	-2.83	-1.18	-2.47
	-1.56	-2.85	-1.19	-2.48	-1.55	-2.84	-1.63	-1.81	-2.25	-2.43	-1.63
	-1.81	-2.24	-2.43	-1.65	-1.83	-2.23	-2.41	-1.65	-1.83	-2.23	-2.41
	-1.62	-2.22	-1.81	-2.40	-1.63	-2.22	-1.80	-2.40	-1.62	-2.23	-1.80
	-2.41	-1.62	-2.23	-1.80	-2.41	-1.07	-1.08	-1.11	-1.11	-1.05	-1.59
	-1.42	-1.13	-1.98	-1.09	-1.63	-1.46	-1.18	-2.02			
313	-1.36	-1.37	-1.41	-1.43	-1.04	-1.06	-1.10	-1.12	-1.33	-2.00	-1.80
	-1.43	-2.50	-1.40	-2.07	-1.88	-1.50	-2.57	-1.21	-1.59	-2.40	-2.77
	-1.21	-1.59	-2.39	-2.78	-1.24	-1.62	-2.36	-2.74	-1.24	-1.62	-2.36
	-2.74	-1.16	-2.41	-1.52	-2.77	-1.17	-2.42	-1.51	-2.76	-1.15	-2.42
	-1.50	-2.78	-1.16	-2.43	-1.49	-2.77	-1.60	-1.78	-2.17	-2.35	-1.60
	-1.78	-2.17	-2.35	-1.62	-1.79	-2.16	-2.33	-1.62	-1.80	-2.15	-2.34
	-1.58	-2.17	-1.75	-2.34	-1.58	-2.18	-1.75	-2.34	-1.57	-2.18	-1.74
	-2.35	-1.58	-2.18	-1.74	-2.34	-1.04	-1.05	-1.08	-1.09	-1.02	-1.54
	-1.39	-1.10	-1.92	-1.07	-1.59	-1.43	-1.15	-1.97			
314	-1.32	-1.34	-1.38	-1.40	-1.02	-1.04	-1.07	-1.10	-1.30	-1.94	-1.76
	-1.39	-2.42	-1.38	-2.02	-1.84	-1.47	-2.50	-1.20	-1.58	-2.30	-2.67
	-1.20	-1.58	-2.29	-2.67	-1.23	-1.61	-2.27	-2.64	-1.23	-1.61	-2.26
	-2.64	-1.13	-2.37	-1.45	-2.69	-1.13	-2.38	-1.44	-2.69	-1.11	-2.38
	-1.44	-2.71	-1.12	-2.39	-1.43	-2.70	-1.57	-1.75	-2.10	-2.27	-1.57
	-1.75	-2.09	-2.27	-1.59	-1.76	-2.08	-2.26	-1.58	-1.76	-2.08	-2.26
	-1.54	-2.12	-1.69	-2.28	-1.54	-2.13	-1.69	-2.28	-1.53	-2.13	-1.69
	-2.29	-1.54	-2.13	-1.68	-2.28	-1.02	-1.03	-1.05	-1.07	-1.00	-1.49
	-1.35	-1.07	-1.86	-1.05	-1.54	-1.41	-1.12	-1.92			
315	-1.29	-1.31	-1.35	-1.37	-0.99	-1.01	-1.05	-1.07	-1.27	-1.87	-1.72
	-1.35	-2.35	-1.35	-1.96	-1.80	-1.44	-2.44	-1.20	-1.57	-2.20	-2.57
	-1.19	-1.57	-2.20	-2.57	-1.23	-1.60	-2.17	-2.54	-1.22	-1.60	-2.17
	-2.54	-1.09	-2.32	-1.39	-2.62	-1.10	-2.33	-1.38	-2.62	-1.08	-2.33
	-1.38	-2.63	-1.09	-2.34	-1.38	-2.63	-1.54	-1.72	-2.02	-2.20	-1.54
	-1.72	-2.02	-2.20	-1.56	-1.73	-2.01	-2.18	-1.55	-1.73	-2.01	-2.19
	-1.49	-2.08	-1.64	-2.22	-1.50	-2.08	-1.63	-2.22	-1.49	-2.08	-1.63
	-2.23	-1.49	-2.08	-1.63	-2.22	-0.99	-1.01	-1.03	-1.05	-0.98	-1.44
	-1.32	-1.04	-1.81	-1.03	-1.50	-1.38	-1.10	-1.87			
316	-1.25	-1.28	-1.31	-1.34	-0.96	-0.99	-1.03	-1.05	-1.24	-1.81	-1.67
	-1.32	-2.28	-1.33	-1.90	-1.76	-1.41	-2.37	-1.19	-1.56	-2.11	-2.47
	-1.19	-1.56	-2.10	-2.47	-1.22	-1.58	-2.08	-2.44	-1.22	-1.59	-2.08
	-2.45	-1.06	-2.28	-1.33	-2.56	-1.07	-2.29	-1.33	-2.55	-1.05	-2.29
	-1.33	-2.56	-1.06	-2.30	-1.32	-2.55	-1.51	-1.69	-1.95	-2.12	-1.51
	-1.69	-1.95	-2.13	-1.53	-1.70	-1.94	-2.11	-1.52	-1.70	-1.94	-2.11
	-1.45	-2.03	-1.58	-2.16	-1.46	-2.03	-1.58	-2.16	-1.45	-2.03	-1.58
	-2.16	-1.45	-2.04	-1.58	-2.16	-0.96	-0.98	-1.00	-1.02	-0.95	-1.39
	-1.29	-1.01	-1.76	-1.01	-1.46	-1.35	-1.07	-1.82			

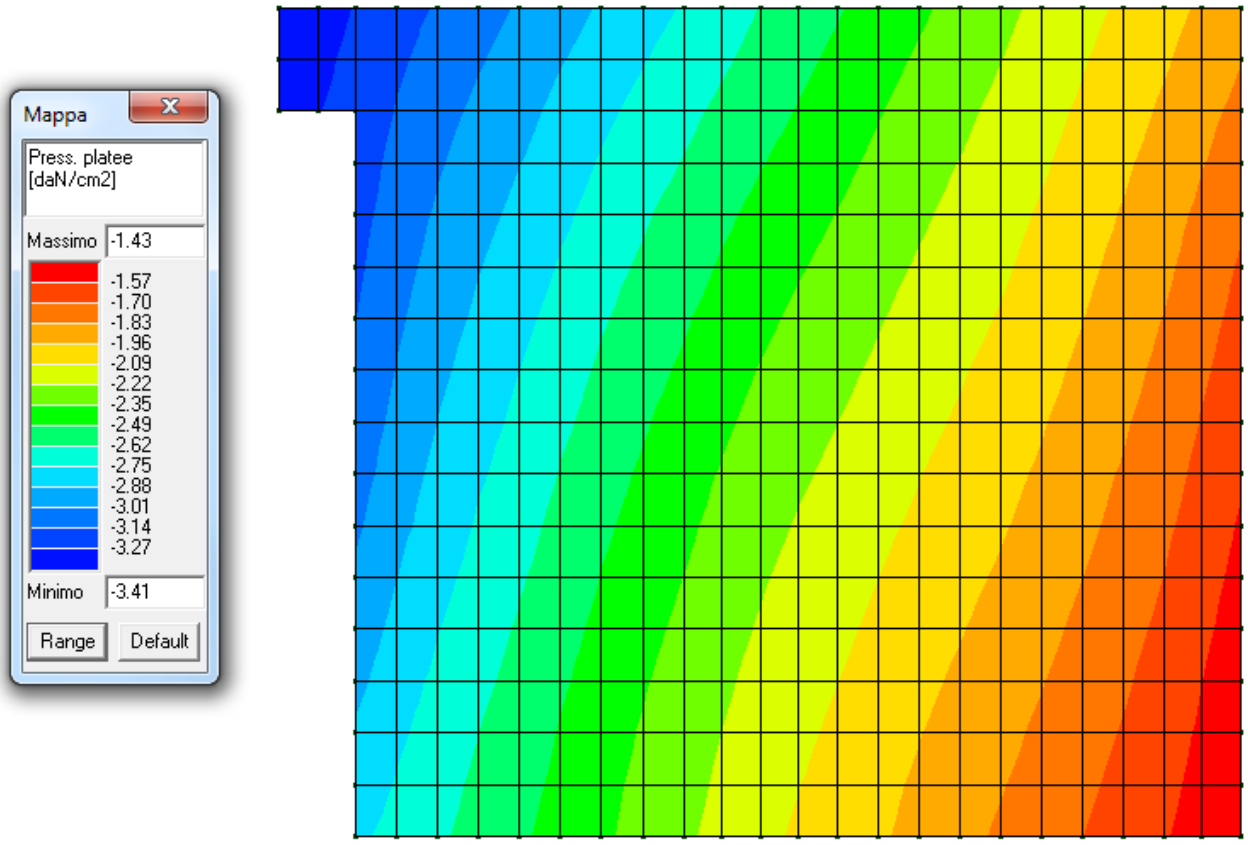
Nodo (G)	Pt 1/12	Pt 2/13	Pt 3...	Pt 4...							
	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2
317	-1.22	-1.25	-1.28	-1.31	-0.94	-0.97	-1.00	-1.03	-1.21	-1.75	-1.63
	-1.28	-2.21	-1.30	-1.85	-1.73	-1.37	-2.31	-1.18	-1.55	-2.01	-2.37
	-1.18	-1.55	-2.01	-2.38	-1.21	-1.57	-1.98	-2.35	-1.21	-1.57	-1.98
	-2.35	-1.03	-2.24	-1.27	-2.49	-1.03	-2.25	-1.27	-2.48	-1.02	-2.24
	-1.27	-2.49	-1.03	-2.25	-1.26	-2.48	-1.48	-1.66	-1.88	-2.05	-1.48
	-1.66	-1.88	-2.05	-1.49	-1.67	-1.87	-2.04	-1.49	-1.67	-1.87	-2.04
	-1.41	-1.98	-1.53	-2.10	-1.41	-1.99	-1.52	-2.10	-1.41	-1.99	-1.53
	-2.10	-1.41	-1.99	-1.52	-2.10	-0.94	-0.96	-0.98	-1.00	-0.93	-1.35
	-1.25	-0.98	-1.70	-0.99	-1.41	-1.32	-1.05	-1.77			
318	-1.18	-1.22	-1.25	-1.29	-0.91	-0.95	-0.98	-1.01	-1.18	-1.69	-1.59
	-1.24	-2.14	-1.28	-1.79	-1.69	-1.34	-2.25	-1.18	-1.54	-1.91	-2.28
	-1.18	-1.54	-1.91	-2.28	-1.20	-1.56	-1.89	-2.25	-1.20	-1.56	-1.89
	-2.25	-0.99	-2.20	-1.21	-2.42	-1.00	-2.20	-1.21	-2.41	-0.99	-2.20
	-1.21	-2.42	-1.00	-2.21	-1.20	-2.41	-1.45	-1.62	-1.81	-1.98	-1.45
	-1.62	-1.81	-1.98	-1.46	-1.63	-1.80	-1.97	-1.46	-1.64	-1.80	-1.97
	-1.37	-1.94	-1.47	-2.04	-1.37	-1.94	-1.47	-2.04	-1.37	-1.94	-1.47
	-2.04	-1.37	-1.94	-1.47	-2.04	-0.91	-0.93	-0.95	-0.98	-0.91	-1.30
	-1.22	-0.95	-1.65	-0.97	-1.37	-1.29	-1.02	-1.72			
319	-1.15	-1.19	-1.22	-1.26	-0.88	-0.92	-0.95	-0.99	-1.15	-1.63	-1.54
	-1.20	-2.07	-1.26	-1.74	-1.65	-1.31	-2.18	-1.16	-1.52	-1.83	-2.19
	-1.16	-1.52	-1.83	-2.19	-1.18	-1.54	-1.81	-2.17	-1.18	-1.54	-1.81
	-2.17	-0.96	-2.15	-1.16	-2.35	-0.97	-2.15	-1.15	-2.34	-0.96	-2.15
	-1.16	-2.35	-0.97	-2.15	-1.15	-2.34	-1.42	-1.59	-1.74	-1.91	-1.42
	-1.59	-1.74	-1.91	-1.43	-1.60	-1.73	-1.90	-1.43	-1.60	-1.73	-1.90
	-1.32	-1.89	-1.42	-1.98	-1.33	-1.89	-1.42	-1.98	-1.32	-1.89	-1.42
	-1.98	-1.33	-1.89	-1.42	-1.98	-0.88	-0.91	-0.93	-0.96	-0.88	-1.26
	-1.18	-0.92	-1.60	-0.95	-1.33	-1.26	-1.00	-1.67			
320	-1.12	-1.16	-1.19	-1.23	-0.86	-0.90	-0.93	-0.97	-1.12	-1.58	-1.50
	-1.17	-2.01	-1.23	-1.69	-1.61	-1.28	-2.12	-1.14	-1.50	-1.76	-2.11
	-1.14	-1.50	-1.76	-2.11	-1.17	-1.52	-1.74	-2.09	-1.17	-1.52	-1.74
	-2.09	-0.93	-2.10	-1.11	-2.29	-0.93	-2.11	-1.11	-2.28	-0.93	-2.10
	-1.11	-2.28	-0.94	-2.11	-1.11	-2.28	-1.39	-1.55	-1.68	-1.85	-1.39
	-1.55	-1.68	-1.85	-1.40	-1.56	-1.67	-1.84	-1.40	-1.56	-1.67	-1.84
	-1.29	-1.84	-1.37	-1.93	-1.29	-1.84	-1.37	-1.93	-1.29	-1.84	-1.37
	-1.93	-1.29	-1.84	-1.37	-1.92	-0.86	-0.89	-0.91	-0.94	-0.86	-1.22
	-1.15	-0.90	-1.55	-0.94	-1.29	-1.23	-0.97	-1.62			
321	-1.09	-1.14	-1.17	-1.21	-0.84	-0.89	-0.91	-0.96	-1.10	-1.53	-1.46
	-1.14	-1.96	-1.22	-1.65	-1.58	-1.26	-2.07	-1.13	-1.48	-1.69	-2.04
	-1.13	-1.48	-1.69	-2.04	-1.15	-1.50	-1.67	-2.02	-1.16	-1.50	-1.67
	-2.02	-0.90	-2.07	-1.07	-2.23	-0.91	-2.07	-1.06	-2.23	-0.91	-2.06
	-1.07	-2.23	-0.91	-2.07	-1.07	-2.22	-1.36	-1.53	-1.63	-1.79	-1.36
	-1.52	-1.63	-1.79	-1.37	-1.54	-1.62	-1.78	-1.37	-1.54	-1.62	-1.78
	-1.25	-1.80	-1.33	-1.88	-1.26	-1.81	-1.33	-1.88	-1.25	-1.80	-1.33
	-1.88	-1.26	-1.80	-1.33	-1.88	-0.84	-0.87	-0.89	-0.92	-0.85	-1.18
	-1.13	-0.88	-1.50	-0.92	-1.26	-1.20	-0.96	-1.58			
322	-1.07	-1.12	-1.15	-1.19	-0.82	-0.87	-0.90	-0.95	-1.08	-1.49	-1.43
	-1.12	-1.91	-1.20	-1.62	-1.56	-1.24	-2.03	-1.12	-1.47	-1.63	-1.98
	-1.13	-1.47	-1.63	-1.97	-1.15	-1.49	-1.61	-1.95	-1.15	-1.49	-1.61
	-1.95	-0.88	-2.04	-1.03	-2.19	-0.88	-2.04	-1.02	-2.18	-0.89	-2.03
	-1.04	-2.18	-0.89	-2.04	-1.03	-2.17	-1.34	-1.50	-1.58	-1.74	-1.34
	-1.50	-1.58	-1.74	-1.35	-1.51	-1.57	-1.73	-1.35	-1.51	-1.57	-1.73
	-1.22	-1.77	-1.29	-1.84	-1.23	-1.77	-1.29	-1.84	-1.23	-1.77	-1.30
	-1.84	-1.23	-1.77	-1.30	-1.84	-0.82	-0.86	-0.87	-0.91	-0.83	-1.15
	-1.10	-0.86	-1.47	-0.91	-1.23	-1.19	-0.94	-1.55			
323	-1.04	-1.09	-1.12	-1.17	-0.80	-0.85	-0.88	-0.93	-1.06	-1.44	-1.40
	-1.08	-1.85	-1.18	-1.57	-1.53	-1.21	-1.98	-1.12	-1.47	-1.55	-1.89
	-1.12	-1.46	-1.55	-1.89	-1.14	-1.49	-1.53	-1.87	-1.14	-1.48	-1.53
	-1.87	-0.85	-2.00	-0.98	-2.13	-0.86	-2.01	-0.97	-2.12	-0.86	-1.99
	-0.99	-2.12	-0.87	-2.00	-0.98	-2.11	-1.31	-1.48	-1.52	-1.68	-1.32
	-1.48	-1.52	-1.68	-1.32	-1.49	-1.51	-1.67	-1.33	-1.49	-1.51	-1.67
	-1.19	-1.73	-1.25	-1.79	-1.19	-1.74	-1.25	-1.79	-1.19	-1.73	-1.25
	-1.79	-1.19	-1.73	-1.25	-1.79	-0.80	-0.84	-0.85	-0.89	-0.81	-1.11
	-1.08	-0.83	-1.42	-0.90	-1.19	-1.16	-0.92	-1.51			
324	-1.02	-1.07	-1.10	-1.15	-0.78	-0.84	-0.86	-0.91	-1.03	-1.39	-1.36
	-1.05	-1.79	-1.17	-1.52	-1.49	-1.19	-1.92	-1.12	-1.46	-1.46	-1.81
	-1.12	-1.46	-1.47	-1.80	-1.13	-1.48	-1.45	-1.79	-1.14	-1.47	-1.45
	-1.79	-0.82	-1.97	-0.93	-2.07	-0.83	-1.97	-0.92	-2.07	-0.83	-1.95
	-0.94	-2.06	-0.84	-1.96	-0.93	-2.05	-1.29	-1.45	-1.46	-1.62	-1.29
	-1.45	-1.46	-1.62	-1.30	-1.46	-1.45	-1.61	-1.30	-1.46	-1.45	-1.61
	-1.15	-1.69	-1.20	-1.74	-1.15	-1.70	-1.20	-1.74	-1.16	-1.69	-1.21
	-1.74	-1.16	-1.69	-1.20	-1.73	-0.78	-0.82	-0.83	-0.87	-0.79	-1.07
	-1.05	-0.81	-1.38	-0.88	-1.16	-1.14	-0.90	-1.46			

Nodo (G)	Pt 1/12	Pt 2/13	Pt 3...	Pt 4...							
	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2
325	-0.99	-1.04	-1.07	-1.13	-0.76	-0.82	-0.84	-0.90	-1.01	-1.33	-1.32
	-1.02	-1.73	-1.15	-1.47	-1.46	-1.16	-1.87	-1.11	-1.45	-1.38	-1.72
	-1.11	-1.45	-1.39	-1.72	-1.12	-1.47	-1.37	-1.71	-1.13	-1.46	-1.37
	-1.70	-0.79	-1.93	-0.87	-2.01	-0.80	-1.93	-0.87	-2.01	-0.81	-1.92
	-0.89	-2.00	-0.81	-1.92	-0.88	-1.99	-1.26	-1.43	-1.39	-1.56	-1.27
	-1.42	-1.40	-1.55	-1.27	-1.43	-1.39	-1.55	-1.27	-1.43	-1.39	-1.55
	-1.11	-1.65	-1.15	-1.69	-1.12	-1.65	-1.15	-1.69	-1.12	-1.65	-1.16
	-1.68	-1.12	-1.65	-1.16	-1.68	-0.76	-0.80	-0.81	-0.85	-0.78	-1.03
	-1.02	-0.79	-1.33	-0.87	-1.12	-1.11	-0.88	-1.42			
....											
1020	-1.18	-1.27	-1.27	-1.36	-0.91	-1.00	-1.00	-1.09	-1.24	-1.32	-1.40
	-1.29	-1.69	-1.41	-1.49	-1.57	-1.47	-1.87	-1.75	-1.44	-1.37	-1.06
	-1.74	-1.45	-1.36	-1.06	-1.74	-1.42	-1.38	-1.07	-1.73	-1.43	-1.37
	-1.08	-1.98	-0.94	-1.87	-0.82	-1.98	-0.93	-1.87	-0.83	-1.96	-0.96
	-1.84	-0.85	-1.95	-0.96	-1.85	-0.85	-1.57	-1.42	-1.38	-1.23	-1.56
	-1.42	-1.38	-1.24	-1.56	-1.41	-1.39	-1.24	-1.56	-1.42	-1.38	-1.24
	-1.67	-1.18	-1.62	-1.12	-1.67	-1.18	-1.62	-1.13	-1.66	-1.19	-1.61
	-1.14	-1.66	-1.19	-1.61	-1.14	-0.91	-0.97	-0.97	-1.03	-0.95	-1.01
	-1.07	-1.00	-1.30	-1.07	-1.13	-1.19	-1.11	-1.42			

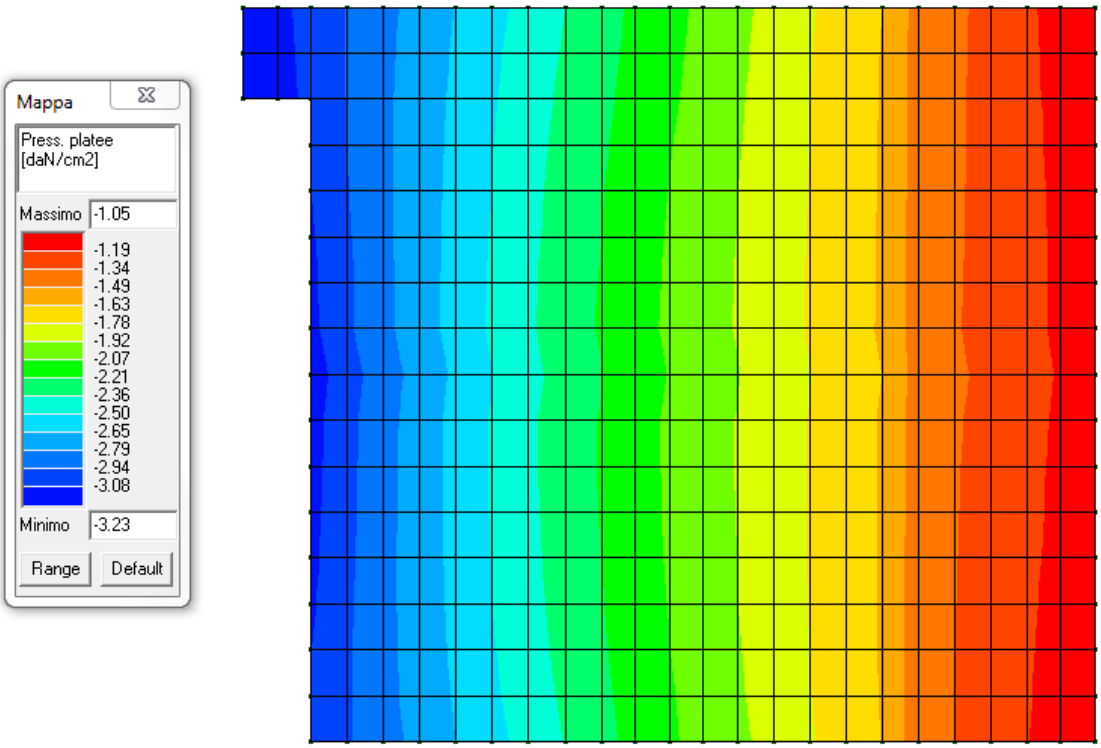
Min/Max
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-0.49

PRESSIONE PLATEA

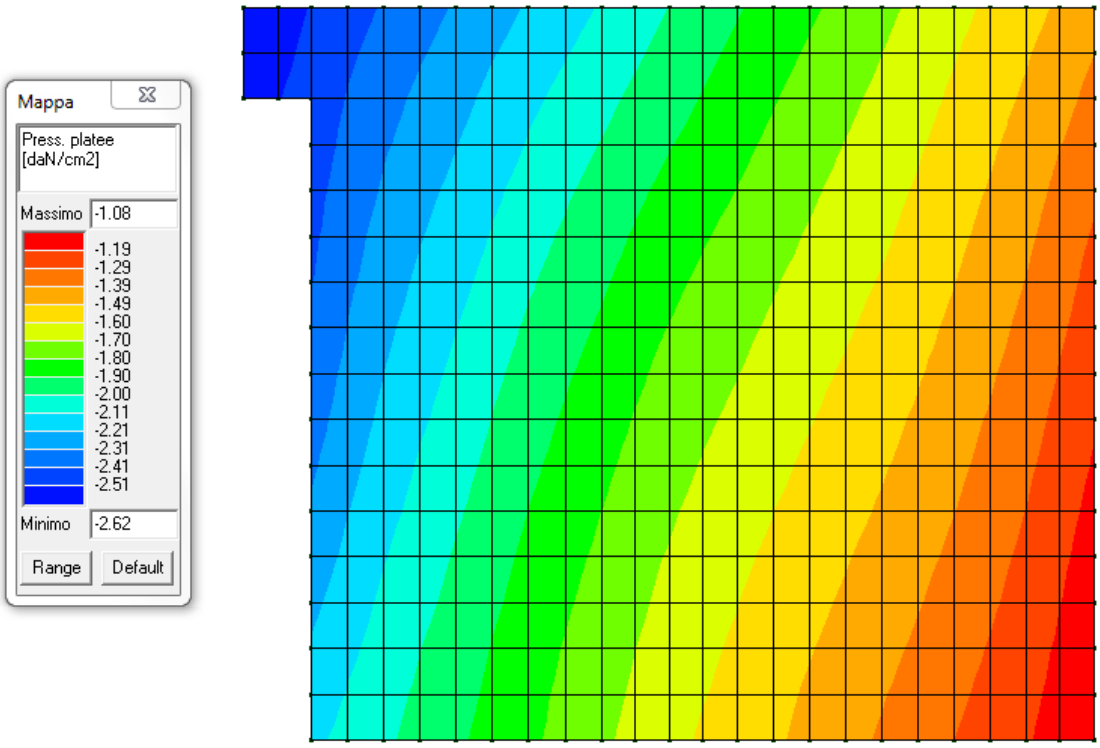
Pressione massima combinazioni SLU STR A1 (CMB 18)



Pressione massima combinazioni SLV sismiche (CMB 34)



Pressione massima combinazioni SLE (rara) (CMB 96)



3.10.1.4 VERIFICHE ELEMENTI PARETE E GUSCIO IN C.A.

TABELLA VERIFICHE ELEMENTI GUSCIO IN C.A.

M_G	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
10	ok 310	0.07	0.1	2.57e-02	15.7	15.7	15.7	15.7	-140.5	-40.6	104.6	-3239.2	-2008.6	-2187.1
10	ok 311	0.07	0.2	3.79e-02	15.7	15.7	15.7	15.7	-363.4	-26.7	66.2	4452.0	-2178.3	-5662.6
10	ok 312	0.07	0.2	4.14e-02	15.7	15.7	15.7	15.7	-307.4	52.2	-8.5	5157.9	-1030.6	-3190.4
10	ok 313	0.07	9.04e-02	4.64e-02	15.7	15.7	15.7	15.7	-346.6	108.8	-157.4	3161.1	2084.1	1163.7
10	ok 314	0.07	8.74e-02	6.22e-02	15.7	15.7	15.7	15.7	-644.8	-69.5	119.0	2321.3	-1941.7	-2634.8
10	ok 315	0.07	0.2	5.04e-02	15.7	15.7	15.7	15.7	-372.0	4.6	47.0	2114.7	-1595.9	-2880.7
10	ok 316	0.07	0.2	5.24e-02	15.7	15.7	15.7	15.7	-225.3	168.6	-207.6	2508.2	3823.7	369.9
10	ok 317	0.07	0.2	6.56e-02	15.7	15.7	15.7	15.7	139.5	107.5	136.9	4898.5	117.8	2511.6
10	ok 318	0.07	0.4	0.2	15.7	15.7	15.7	15.7	-1632.2	-179.4	-448.4	-1.960e+04	-1483.5	1136.9
10	ok 319	0.07	0.5	0.1	15.7	15.7	15.7	15.7	-210.4	7.8	6.4	1.435e+04	-1282.7	291.9
10	ok 320	0.07	0.3	6.69e-02	15.7	15.7	15.7	15.7	-617.8	-30.8	-61.1	1.347e+04	-854.0	2007.8
10	ok 321	0.07	0.5	9.02e-02	15.7	15.7	15.7	15.7	245.0	49.3	-127.7	1.336e+04	-820.0	-281.3
10	ok 322	0.07	0.4	0.2	15.7	15.7	15.7	15.7	-1531.6	-205.5	490.4	-2.143e+04	-2007.0	-205.3
10	ok 323	0.07	0.2	5.28e-02	15.7	15.7	15.7	15.7	-316.1	72.7	253.5	-4869.9	-378.1	2204.6
10	ok 324	0.07	0.2	3.83e-02	15.7	15.7	15.7	15.7	89.4	198.2	-1.7	1185.4	5493.0	1860.2
10	ok 325	0.07	0.2	3.35e-02	15.7	15.7	15.7	15.7	144.2	135.3	-14.5	334.3	4083.8	2936.4
10	ok 326	0.07	0.2	2.89e-02	15.7	15.7	15.7	15.7	209.0	27.0	-70.8	-3196.5	1347.1	1881.7
10	ok 327	0.07	0.1	3.59e-02	15.7	15.7	15.7	15.7	32.0	134.8	-305.1	-1479.8	3624.2	411.9
10	ok 328	0.07	0.4	4.22e-02	15.7	15.7	15.7	15.7	-95.8	140.0	-310.3	-1633.5	4380.3	-1765.1
10	ok 329	0.07	0.8	5.63e-02	15.7	18.4	15.7	18.4	-320.5	87.4	-257.0	-1.056e+04	412.9	-4421.6
10	ok 330	0.10	0.9	0.2	24.3	36.4	18.0	20.5	-1949.0	-271.4	-512.4	-4.757e+04	-3570.3	-5032.3
10	ok 331	0.09	0.9	0.1	15.7	29.0	15.7	17.0	-1388.1	-112.5	-168.3	-2.490e+04	-900.2	-1403.6
10	ok 332	0.07	0.9	8.06e-02	15.7	20.3	15.7	16.0	-567.4	-23.5	-66.6	-3172.9	-1114.0	-3484.6
10	ok 361	0.07	0.3	1.96e-02	15.7	15.7	15.7	15.7	79.5	104.5	303.2	5439.3	3790.4	-6588.7
10	ok 362	0.07	0.6	1.02e-02	15.7	15.7	15.7	15.7	78.5	53.4	162.7	1.136e+04	5991.6	-1.415e+04
10	ok 363	0.07	0.4	2.07e-02	15.7	15.7	15.7	15.7	-91.1	49.7	88.1	1.189e+04	6842.3	-6865.9
10	ok 364	0.07	0.2	2.77e-02	15.7	15.7	15.7	15.7	-163.7	14.6	123.0	6883.1	5522.0	-2575.8
10	ok 365	0.07	0.2	4.09e-02	15.7	15.7	15.7	15.7	-277.4	-64.9	-180.2	-8260.7	693.1	-1139.4
10	ok 366	0.07	0.3	4.72e-02	15.7	15.7	15.7	15.7	24.5	-24.7	-3.6	6273.1	4742.5	-5201.5
10	ok 367	0.07	0.3	4.70e-02	15.7	15.7	15.7	15.7	-65.4	70.7	-20.4	9054.5	6946.2	216.6
10	ok 368	0.07	0.3	4.51e-02	15.7	15.7	15.7	15.7	-72.5	33.0	38.8	7667.1	5976.2	4395.2
10	ok 369	0.07	0.4	7.03e-02	15.7	15.7	15.7	15.7	-534.0	-221.7	-360.5	-1.535e+04	-601.2	1207.0
10	ok 370	0.07	0.4	7.67e-02	15.7	15.7	15.7	15.7	-107.1	-23.6	80.1	1.286e+04	3197.1	1393.3
10	ok 371	0.07	0.3	5.13e-02	15.7	15.7	15.7	15.7	-375.4	-75.4	-271.5	1.223e+04	3362.2	2100.9
10	ok 372	0.07	0.3	6.58e-02	15.7	15.7	15.7	15.7	-120.4	83.0	-323.8	1.058e+04	2067.4	473.2
10	ok 373	0.07	0.5	5.78e-02	15.7	15.7	15.7	15.7	-297.1	-261.0	341.4	-1.656e+04	-1281.1	-713.3
10	ok 374	0.07	0.3	2.66e-02	15.7	15.7	15.7	15.7	-178.8	-7.7	78.6	-3708.5	2007.8	3094.6
10	ok 375	0.07	0.2	2.26e-02	15.7	15.7	15.7	15.7	18.3	22.8	-46.7	2662.7	4901.0	2866.7
10	ok 376	0.07	0.2	2.48e-02	15.7	15.7	15.7	15.7	3.3	149.0	-154.5	1672.4	3915.3	2905.0
10	ok 377	0.07	0.3	3.08e-02	15.7	15.7	15.7	15.7	4.1	34.5	63.3	-9069.7	-313.7	1384.6
10	ok 378	0.07	0.2	3.61e-02	15.7	15.7	15.7	15.7	31.8	58.0	99.9	-2121.2	2462.9	-1783.0
10	ok 379	0.07	0.3	3.91e-02	15.7	15.7	15.7	15.7	-115.0	73.8	-104.8	-6480.3	-1310.6	-3372.9
10	ok 380	0.07	0.5	4.08e-02	15.7	15.7	15.7	15.7	-367.4	39.5	-145.2	-1.499e+04	-2175.8	-6851.7
10	ok 381	0.07	1.0	7.48e-02	15.7	15.7	15.7	15.7	-344.4	-287.4	-287.1	-4.263e+04	-4875.5	-6692.8
10	ok 382	0.07	0.9	8.41e-02	15.7	19.3	15.7	18.7	-705.4	-156.0	-420.3	-2.427e+04	-1167.8	-6178.7
10	ok 383	0.07	0.9	6.93e-02	15.7	17.3	15.7	17.2	-465.7	-84.4	-219.3	-4021.0	881.9	-8043.9
10	ok 412	0.07	0.5	1.11e-02	15.7	15.7	15.7	15.7	203.9	272.2	352.5	1.398e+04	3993.7	-5213.6
10	ok 413	0.07	0.8	6.27e-03	15.7	15.7	15.7	15.7	207.0	154.9	211.1	1.917e+04	6518.5	-1.070e+04
10	ok 414	0.07	0.6	8.02e-03	15.7	15.7	15.7	15.7	114.8	59.3	133.3	1.825e+04	7741.0	-5228.6
10	ok 415	0.07	0.4	1.30e-02	15.7	15.7	15.7	15.7	78.1	21.0	59.4	1.210e+04	4551.9	-1823.5
10	ok 416	0.07	0.4	2.51e-02	15.7	15.7	15.7	15.7	-80.3	-40.6	-10.6	-1.609e+04	-1274.8	-2897.7
10	ok 417	0.07	0.4	2.52e-02	15.7	15.7	15.7	15.7	118.1	-47.8	-31.7	1.073e+04	6401.9	-1867.7
10	ok 418	0.07	0.4	2.60e-02	15.7	15.7	15.7	15.7	75.6	-32.7	-13.5	1.361e+04	7543.3	228.9
10	ok 419	0.07	0.4	2.61e-02	15.7	15.7	15.7	15.7	83.7	-3.9	38.9	1.143e+04	6395.0	1919.5
10	ok 420	0.07	0.4	5.11e-02	15.7	15.7	15.7	15.7	-203.6	-216.8	-350.1	-1.516e+04	-1240.2	1031.9
10	ok 421	0.07	0.3	5.09e-02	15.7	15.7	15.7	15.7	-209.8	-155.9	61.2	1.128e+04	4065.2	867.5
10	ok 422	0.07	0.3	4.63e-02	15.7	15.7	15.7	15.7	-248.1	-131.1	-143.5	1.151e+04	4454.1	1763.0
10	ok 423	0.07	0.2	4.32e-02	15.7	15.7	15.7	15.7	-248.3	-39.5	-305.0	7649.3	3151.8	1604.4
10	ok 424	0.07	0.4	4.27e-02	15.7	15.7	15.7	15.7	-169.5	-265.4	166.6	-1.628e+04	-1148.6	391.7
10	ok 425	0.07	0.2	2.25e-02	15.7	15.7	15.7	15.7	-44.8	-31.4	-98.0	4472.9	3962.8	1791.9
10	ok 426	0.07	0.2	2.09e-02	15.7	15.7	15.7	15.7	-94.8	130.9	-180.7	4771.6	4196.9	1820.2
10	ok 427	0.07	0.2	2.53e-02	15.7	15.7	15.7	15.7	45.9	137.2	-165.9	4124.6	2387.1	1525.8
10	ok 428	0.07	0.5	2.42e-02	15.7	15.7	15.7	15.7	-130.2	11.4	18.4	-1.657e+04	-2205.8	2249.6
10	ok 429	0.07	0.3	2.72e-02	15.7	15.7	15.7	15.7	-87.6	70.7	-128.9	-9628.1	-2292.1	-566.1
10	ok 430	0.07	0.3	2.62e-02	15.7	15.7	15.7	15.7	-88.1	29.3	-86.8	-1.111e+04	-2612.7	-3111.7
10	ok 431	0.07	0.5	2.39e-02	15.7	15.7	15.7	15.7	-179.7	-76.8	-72.0	-1.753e+04	-2463.4	-4532.2

M_G	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
10	ok 432	0.07	1.0	5.28e-02	15.7	15.7	15.7	15.7	-410.1	-261.7	-135.0	-4.507e+04	-6446.0	-5516.1
10	ok 433	0.07	0.6	5.97e-02	15.7	15.7	15.7	15.7	-468.0	-228.6	-281.8	-2.397e+04	-1657.9	-6101.9
10	ok 434	0.07	0.7	5.68e-02	15.7	15.7	15.7	15.7	-346.3	-111.4	-258.3	-4640.8	1819.6	-8311.1
10	ok 463	0.07	0.8	2.73e-03	15.7	15.7	15.7	15.7	278.2	382.0	308.4	1.999e+04	2933.0	-4337.9
10	ok 464	0.07	0.9	4.27e-03	15.7	15.7	15.7	15.7	233.2	230.7	204.2	2.548e+04	5591.6	-6390.7
10	ok 465	0.07	0.8	6.32e-03	15.7	15.7	15.7	15.7	223.5	103.2	153.0	2.147e+04	5937.5	-4550.6
10	ok 466	0.07	0.6	9.14e-03	15.7	15.7	15.7	15.7	204.1	60.1	87.4	1.588e+04	4147.2	-1781.4
10	ok 467	0.07	0.6	1.66e-02	15.7	15.7	15.7	15.7	-81.4	-46.1	8.0	-2.054e+04	-3466.8	-2995.1
10	ok 468	0.07	0.5	1.68e-02	15.7	15.7	15.7	15.7	170.6	-75.9	-14.2	1.321e+04	5272.4	-1157.7
10	ok 469	0.07	0.5	1.66e-02	15.7	15.7	15.7	15.7	117.7	-89.3	3.1	1.571e+04	6102.3	122.3
10	ok 470	0.07	0.4	2.04e-02	15.7	15.7	15.7	15.7	112.1	-39.1	31.4	1.267e+04	5217.5	1018.6
10	ok 471	0.07	0.4	3.96e-02	15.7	15.7	15.7	15.7	-21.0	-132.9	-76.4	-1.501e+04	-2243.6	-472.0
10	ok 472	0.07	0.3	4.19e-02	15.7	15.7	15.7	15.7	-134.4	-157.3	-1.4	1.214e+04	3880.0	647.4
10	ok 473	0.07	0.3	4.55e-02	15.7	15.7	15.7	15.7	-169.4	-159.5	-156.7	1.159e+04	4373.1	1525.3
10	ok 474	0.07	0.3	4.23e-02	15.7	15.7	15.7	15.7	-20.1	-84.1	-87.4	1.019e+04	3157.3	-492.7
10	ok 475	0.07	0.5	4.05e-02	15.7	15.7	15.7	15.7	-127.7	-170.0	-2.8	-1.677e+04	-2634.9	716.5
10	ok 476	0.07	0.2	2.32e-02	15.7	15.7	15.7	15.7	-52.2	-44.8	-98.8	4509.6	1963.3	1832.3
10	ok 477	0.07	0.2	2.19e-02	15.7	15.7	15.7	15.7	-135.2	128.9	-149.7	6816.4	1639.1	521.6
10	ok 478	0.07	0.3	2.02e-02	15.7	15.7	15.7	15.7	181.2	-9.1	-50.2	-7257.2	-1074.2	1089.9
10	ok 479	0.07	0.6	2.24e-02	15.7	15.7	15.7	15.7	-187.5	-9.1	-16.3	-2.157e+04	-4320.9	2135.2
10	ok 480	0.07	0.4	2.34e-02	15.7	15.7	15.7	15.7	-104.1	40.8	-95.9	-1.332e+04	-3487.6	-766.1
10	ok 481	0.07	0.4	2.09e-02	15.7	15.7	15.7	15.7	-80.5	-9.3	-65.0	-1.431e+04	-3611.4	-2561.9
10	ok 482	0.07	0.5	1.85e-02	15.7	15.7	15.7	15.7	-130.1	-105.5	-63.6	-1.924e+04	-3280.6	-3407.8
10	ok 483	0.07	1.0	4.43e-02	16.8	15.7	15.8	15.7	-381.9	-240.2	-90.9	-4.812e+04	-7955.9	-4313.9
10	ok 484	0.07	0.6	4.76e-02	15.7	15.7	15.7	15.7	-395.3	-221.5	-171.4	-2.546e+04	-2232.9	-4973.5
10	ok 485	0.07	0.7	4.82e-02	15.7	15.7	15.7	15.7	-302.8	-138.1	-139.8	-5542.1	2771.5	-6976.8
10	ok 502	0.07	0.9	2.37e-03	15.7	17.0	15.7	17.0	282.0	448.1	271.1	2.372e+04	2646.2	-3440.7
10	ok 503	0.07	1.0	2.90e-03	15.7	17.4	15.7	15.8	274.3	288.0	194.3	2.854e+04	4795.8	-4793.9
10	ok 504	0.07	0.9	4.75e-03	15.7	15.7	15.7	15.7	281.8	145.1	159.6	2.336e+04	4895.8	-3734.6
10	ok 505	0.07	0.7	8.52e-03	15.7	15.7	15.7	15.7	273.6	99.1	99.6	1.920e+04	4393.3	-1561.5
10	ok 506	0.07	0.6	1.31e-02	15.7	15.7	15.7	15.7	-68.9	-55.9	26.2	-2.333e+04	-4379.4	-2470.5
10	ok 507	0.07	0.6	1.51e-02	15.7	15.7	15.7	15.7	285.7	-90.8	9.9	1.517e+04	4943.3	-730.9
10	ok 508	0.07	0.6	1.69e-02	15.7	15.7	15.7	15.7	235.2	-122.6	18.6	1.694e+04	5521.1	181.5
10	ok 509	0.07	0.5	1.94e-02	15.7	15.7	15.7	15.7	224.6	-147.9	33.9	1.328e+04	4735.3	764.6
10	ok 510	0.07	0.5	3.18e-02	15.7	15.7	15.7	15.7	26.0	-147.0	-61.9	-1.675e+04	-2792.9	-506.0
10	ok 511	0.07	0.4	3.66e-02	15.7	15.7	15.7	15.7	-71.3	-170.2	1.9	1.355e+04	4002.3	427.9
10	ok 512	0.07	0.4	3.65e-02	15.7	15.7	15.7	15.7	-40.1	-150.7	-82.7	1.296e+04	3685.9	178.3
10	ok 513	0.07	0.3	3.66e-02	15.7	15.7	15.7	15.7	-3.1	-86.9	-80.8	1.169e+04	3292.9	-377.2
10	ok 514	0.07	0.5	3.76e-02	15.7	15.7	15.7	15.7	-73.7	-186.0	-12.5	-1.851e+04	-3180.3	558.8
10	ok 515	0.07	0.2	2.15e-02	15.7	15.7	15.7	15.7	-82.2	109.4	-180.6	6161.7	1261.4	184.6
10	ok 516	0.07	0.2	1.78e-02	15.7	15.7	15.7	15.7	-98.3	105.8	-161.9	7317.5	1432.2	401.6
10	ok 517	0.07	0.3	1.56e-02	15.7	15.7	15.7	15.7	-73.5	9.6	-76.0	-9796.6	-2322.0	100.1
10	ok 518	0.07	0.7	2.13e-02	15.7	15.7	15.7	15.7	-86.4	1.9	-15.1	-2.533e+04	-5212.9	-1393.2
10	ok 519	0.07	0.4	2.17e-02	15.7	15.7	15.7	15.7	-114.5	17.4	-81.1	-1.587e+04	-3823.2	-913.7
10	ok 520	0.07	0.4	1.87e-02	15.7	15.7	15.7	15.7	-89.6	-28.6	-62.8	-1.645e+04	-3887.0	-2138.1
10	ok 521	0.07	0.5	1.73e-02	15.7	15.7	15.7	15.7	-121.0	-112.0	-64.2	-2.048e+04	-3639.7	-2441.6
10	ok 522	0.07	1.0	4.04e-02	17.9	15.7	15.9	15.7	-373.0	-227.0	-62.2	-5.004e+04	-8586.5	-3152.2
10	ok 523	0.07	0.6	4.22e-02	15.7	15.7	15.7	15.7	-383.1	-213.7	-136.2	-2.665e+04	-2722.7	-3506.9
10	ok 524	0.07	0.6	4.12e-02	15.7	15.7	15.7	15.7	-309.2	-140.3	-164.5	-6364.8	2357.7	-5406.4
10	ok 555	0.07	0.9	2.24e-03	15.7	17.9	15.7	16.8	292.6	477.4	218.8	2.614e+04	2599.1	-2641.1
10	ok 556	0.07	1.0	2.72e-03	15.7	18.6	15.7	15.8	292.9	321.2	166.9	3.039e+04	4449.4	-3326.8
10	ok 557	0.07	0.9	4.94e-03	15.7	16.1	15.7	15.7	312.0	173.9	149.2	2.454e+04	4449.0	-2738.7
10	ok 558	0.07	0.9	9.09e-03	15.7	15.7	15.7	15.7	309.9	127.5	80.2	2.177e+04	4781.7	-1261.1
10	ok 559	0.07	0.7	1.41e-02	15.7	15.7	15.7	15.7	-55.1	-65.8	40.5	-2.525e+04	-4794.2	-1849.8
10	ok 560	0.07	0.7	1.57e-02	15.7	15.7	15.7	15.7	368.0	-98.0	-45.4	1.621e+04	4708.7	-1720.9
10	ok 561	0.07	0.7	1.84e-02	15.7	15.7	15.7	15.7	316.2	-140.5	29.3	1.783e+04	5463.8	266.8
10	ok 562	0.07	0.5	2.12e-02	15.7	15.7	15.7	15.7	305.1	-172.2	38.0	1.368e+04	4636.0	653.3
10	ok 563	0.07	0.5	2.47e-02	15.7	15.7	15.7	15.7	58.6	-159.7	-40.7	-1.802e+04	-3077.2	-489.4
10	ok 564	0.07	0.4	2.79e-02	15.7	15.7	15.7	15.7	-29.0	-176.2	5.1	1.468e+04	4205.0	222.4
10	ok 565	0.07	0.4	2.82e-02	15.7	15.7	15.7	15.7	4.4	-161.6	-62.1	1.331e+04	3784.0	104.3
10	ok 566	0.07	0.4	2.88e-02	15.7	15.7	15.7	15.7	7.4	-89.2	-61.2	1.283e+04	3492.8	-318.2
10	ok 567	0.07	0.6	3.13e-02	15.7	15.7	15.7	15.7	-35.7	-200.8	-14.9	-1.983e+04	-3494.3	385.3
10	ok 568	0.07	0.2	2.18e-02	15.7	15.7	15.7	15.7	-45.5	91.5	-138.9	6297.3	1281.6	116.1
10	ok 569	0.07	0.2	1.86e-02	15.7	15.7	15.7	15.7	-64.2	87.5	-123.1	7665.5	1498.6	270.6
10	ok 570	0.07	0.4	1.54e-02	15.7	15.7	15.7	15.7	-82.7	-4.0	-68.8	-1.168e+04	-2594.2	-68.8
10	ok 571	0.07	0.7	2.11e-02	15.7	15.7	15.7	15.7	-96.5	-13.8	-1.5	-2.806e+04	-5694.9	-1107.6
10	ok 572	0.07	0.5	1.97e-02	15.7	15.7	15.7	15.7	-122.5	-2.3	-79.5	-1.759e+04	-3952.8	-1004.8
10	ok 573	0.07	0.5	1.76e-02	15.7	15.7	15.7	15.7	-101.0	-42.7	-63.7	-1.827e+04	-3956.0	-1787.4
10	ok 574	0.07	0.6	1.68e-02	15.7	15.7	15.7	15.7	-14.1	-114.4	-65.2	-2.123e+04	-3772.2	-1656.7
10	ok 575	0.07	1.0	3.84e-02	18.4	15.7	15.8	15.7	-371.4	-221.2	-35.9	-5.101e+04	-8932.2	-2058.3
10	ok 576	0.07	0.6	3.96e-02	15.7	15.7	15.7	15.7	-380.8	-211.5	-104.0	-2.721e+04	-3143.5	-2084.2
10	ok 577	0.07	0.6	3.71e-02	15.7	15.7	15.7	15.7	-323.7	-151.2	-144.4	-6536.5	2142.3	-3486.6
10	ok 594	0.07	1.0	2.25e-03	15.7	18.3	15.7	16.6	294.8	489.2	164.4	2.739e+04	2552.4	-1915.4
10	ok 595	0.07	1.0	2.75e-03	15.7	19.4	15.7	15.9	300.3	321.1	75.4	3.093e+04	4159.0	-2708.2

M_G	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
10	ok 596	0.07	0.9	5.01e-03	15.7	16.7	15.7	15.7	305.2	266.0	73.5	2.577e+04	4817.9	-1555.7
10	ok 597	0.07	0.9	9.39e-03	15.7	15.8	15.7	15.7	326.9	143.9	68.1	2.348e+04	5087.3	-773.0
10	ok 598	0.07	0.8	1.48e-02	15.7	15.7	15.7	15.7	-44.9	-74.0	50.7	-2.657e+04	-5003.6	-1260.2
10	ok 599	0.07	0.8	1.66e-02	15.7	15.7	15.7	15.7	410.5	-99.6	-36.6	1.739e+04	5027.7	-1348.8
10	ok 600	0.07	0.8	1.95e-02	15.7	15.7	15.7	15.7	397.9	-142.7	42.0	1.844e+04	5616.5	405.4
10	ok 601	0.07	0.6	2.24e-02	15.7	15.7	15.7	15.7	356.2	-185.8	42.1	1.393e+04	4770.1	593.5
10	ok 602	0.07	0.6	2.53e-02	15.7	15.7	15.7	15.7	80.5	-175.8	-12.4	-1.879e+04	-3098.3	-456.3
10	ok 603	0.07	0.4	2.48e-02	15.7	15.7	15.7	15.7	-3.3	-180.3	9.6	1.544e+04	4475.9	15.4
10	ok 604	0.07	0.4	2.61e-02	15.7	15.7	15.7	15.7	32.0	-166.5	-38.7	1.360e+04	3965.3	-69.0
10	ok 605	0.07	0.4	2.79e-02	15.7	15.7	15.7	15.7	12.8	-92.2	-33.9	1.359e+04	3735.3	-281.9
10	ok 606	0.07	0.6	2.71e-02	15.7	15.7	15.7	15.7	-10.4	-218.0	-15.0	-2.066e+04	-3563.2	200.3
10	ok 607	0.07	0.2	2.20e-02	15.7	15.7	15.7	15.7	-16.4	76.5	-102.4	6379.3	1415.7	292.7
10	ok 608	0.07	0.2	1.91e-02	15.7	15.7	15.7	15.7	-38.3	69.0	-41.7	7895.7	1617.4	378.7
10	ok 609	0.07	0.4	1.64e-02	15.7	15.7	15.7	15.7	-88.2	-15.1	-49.8	-1.288e+04	-2699.0	-130.5
10	ok 610	0.07	0.8	2.19e-02	15.7	15.7	15.7	15.7	-101.4	-28.0	13.4	-2.997e+04	-5972.2	-836.2
10	ok 611	0.07	0.5	1.93e-02	15.7	15.7	15.7	15.7	-130.5	-18.9	-78.2	-1.868e+04	-3996.4	-1056.6
10	ok 612	0.07	0.5	1.81e-02	15.7	15.7	15.7	15.7	-13.7	-55.8	-67.1	-1.904e+04	-3915.4	-1479.9
10	ok 613	0.07	0.6	1.72e-02	15.7	15.7	15.7	15.7	-6.3	-117.9	-66.0	-2.154e+04	-3754.0	-1011.4
10	ok 614	0.07	1.0	3.74e-02	18.8	15.7	15.8	15.7	-347.1	-188.9	-58.2	-5.116e+04	-9184.2	-2178.1
10	ok 615	0.07	0.6	3.47e-02	15.7	15.7	15.7	15.7	-254.6	-183.6	-43.2	-2.655e+04	-3649.1	-1902.5
10	ok 616	0.07	0.6	3.46e-02	15.7	15.7	15.7	15.7	-239.0	-163.3	-112.7	-6331.2	1497.5	-2077.6
10	ok 633	0.07	1.0	2.39e-03	15.7	18.3	15.7	16.4	310.0	488.5	106.3	2.784e+04	2508.6	-1232.4
10	ok 634	0.07	1.0	2.79e-03	15.7	19.8	15.7	16.0	301.6	324.8	28.7	3.162e+04	4180.5	-1271.2
10	ok 635	0.07	1.0	4.86e-03	15.7	17.0	15.7	15.7	305.9	271.0	38.8	2.663e+04	4948.2	-527.7
10	ok 636	0.07	0.9	9.45e-03	15.7	16.3	15.7	15.7	331.7	150.6	41.8	2.435e+04	5249.0	-229.9
10	ok 637	0.07	0.8	1.51e-02	15.7	15.7	15.7	15.7	-39.1	-79.8	57.2	-2.738e+04	-5105.1	-716.4
10	ok 638	0.07	0.8	1.73e-02	15.7	15.7	15.7	15.7	430.5	-97.0	-40.7	1.800e+04	5233.9	-909.3
10	ok 639	0.07	0.9	2.03e-02	15.7	15.7	15.7	15.7	422.3	-145.4	49.0	1.881e+04	5772.1	578.0
10	ok 640	0.07	0.6	2.33e-02	15.7	15.7	15.7	15.7	382.7	-192.0	43.9	1.403e+04	4934.5	595.5
10	ok 641	0.07	0.6	2.67e-02	15.7	15.7	15.7	15.7	93.1	-191.1	25.7	-1.916e+04	-2977.8	-414.5
10	ok 642	0.07	0.5	2.58e-02	15.7	15.7	15.7	15.7	8.9	-182.5	15.8	1.583e+04	4692.5	-254.5
10	ok 643	0.07	0.4	2.64e-02	15.7	15.7	15.7	15.7	45.3	-170.4	-9.0	1.380e+04	4173.0	-219.0
10	ok 644	0.07	0.4	2.79e-02	15.7	15.7	15.7	15.7	14.3	-95.4	-2.6	1.402e+04	3946.7	-216.0
10	ok 645	0.07	0.6	2.74e-02	15.7	15.7	15.7	15.7	3.4	-233.3	63.5	-2.106e+04	-3481.4	-385.2
10	ok 646	0.07	0.2	2.21e-02	15.7	15.7	15.7	15.7	23.8	71.2	-54.1	6084.0	1456.0	-840.0
10	ok 647	0.07	0.2	1.93e-02	15.7	15.7	15.7	15.7	1.9	62.1	-87.5	7715.5	1663.9	-777.6
10	ok 648	0.07	0.4	1.71e-02	15.7	15.7	15.7	15.7	-92.2	-23.1	-29.9	-1.347e+04	-2714.4	-227.5
10	ok 649	0.07	0.8	2.23e-02	15.7	15.7	15.7	15.7	-104.6	-38.6	28.6	-3.106e+04	-6111.3	-596.4
10	ok 650	0.07	0.5	1.99e-02	15.7	15.7	15.7	15.7	-139.8	-32.2	-75.0	-1.921e+04	-3976.0	-1082.5
10	ok 651	0.07	0.5	1.87e-02	15.7	15.7	15.7	15.7	-21.4	-68.0	-66.2	-1.935e+04	-3815.0	-1185.2
10	ok 652	0.07	0.6	1.77e-02	15.7	15.7	15.7	15.7	10.0	-108.5	-57.7	-2.159e+04	-3794.8	-1176.8
10	ok 653	0.07	1.0	2.97e-02	20.4	15.7	15.8	15.7	-248.2	-207.5	-29.8	-5.126e+04	-9144.9	-1495.6
10	ok 654	0.07	0.6	3.56e-02	15.7	15.7	15.7	15.7	-259.7	-195.2	-91.5	-2.735e+04	-3802.3	-1422.5
10	ok 655	0.07	0.5	3.03e-02	15.7	15.7	15.7	15.7	-248.4	-174.6	-82.3	-6005.8	1072.6	-1275.3
10	ok 672	0.07	0.9	2.53e-03	15.7	17.9	15.7	16.0	308.1	506.5	-75.7	2.769e+04	2611.8	1428.2
10	ok 673	0.07	1.0	2.68e-03	15.7	19.7	15.7	16.0	300.5	340.5	25.3	3.193e+04	4329.9	1637.1
10	ok 674	0.07	1.0	4.49e-03	15.7	17.0	15.7	15.7	302.7	265.6	1.9	2.680e+04	5025.3	501.9
10	ok 675	0.07	0.9	9.33e-03	15.7	16.3	15.7	15.7	329.1	148.6	11.8	2.441e+04	5295.1	334.9
10	ok 676	0.07	0.8	1.52e-02	15.7	15.7	15.7	15.7	-37.0	-83.2	61.5	-2.770e+04	-5126.0	-200.6
10	ok 677	0.07	0.9	1.77e-02	15.7	15.7	15.7	15.7	434.9	-102.0	52.0	1.825e+04	5349.7	945.7
10	ok 678	0.07	0.9	2.07e-02	15.7	15.7	15.7	15.7	427.8	-146.2	53.6	1.885e+04	5804.7	787.7
10	ok 679	0.07	0.6	2.38e-02	15.7	15.7	15.7	15.7	390.1	-192.8	43.6	1.397e+04	4964.0	643.0
10	ok 680	0.07	0.6	2.75e-02	15.7	15.7	15.7	15.7	95.7	-195.9	70.0	-1.933e+04	-2919.0	-363.1
10	ok 681	0.07	0.5	2.66e-02	15.7	15.7	15.7	15.7	10.8	-182.4	23.4	1.584e+04	4761.1	-486.5
10	ok 682	0.07	0.4	2.64e-02	15.7	15.7	15.7	15.7	47.0	-170.8	22.9	1.391e+04	4284.4	-380.6
10	ok 683	0.07	0.4	2.77e-02	15.7	15.7	15.7	15.7	12.7	-96.5	30.3	1.406e+04	4026.4	-200.1
10	ok 684	0.07	0.6	2.72e-02	15.7	15.7	15.7	15.7	4.9	-236.0	56.8	-2.121e+04	-3449.9	-601.9
10	ok 685	0.07	0.2	2.20e-02	15.7	15.7	15.7	15.7	17.4	68.4	-7.8	6133.9	1563.2	-1005.8
10	ok 686	0.07	0.2	1.94e-02	15.7	15.7	15.7	15.7	-4.7	61.9	-10.9	7875.4	1773.3	-993.7
10	ok 687	0.07	0.4	1.74e-02	15.7	15.7	15.7	15.7	-95.7	-27.4	-9.9	-1.351e+04	-2672.7	-344.0
10	ok 688	0.07	0.8	2.25e-02	15.7	15.7	15.7	15.7	-107.3	-44.8	43.5	-3.135e+04	-6127.0	-376.2
10	ok 689	0.07	0.5	2.05e-02	15.7	15.7	15.7	15.7	-149.3	-40.6	-70.5	-1.922e+04	-3913.1	-1128.8
10	ok 690	0.07	0.5	1.93e-02	15.7	15.7	15.7	15.7	-28.5	-77.4	-64.4	-1.926e+04	-3713.1	-959.4
10	ok 691	0.07	0.6	1.83e-02	15.7	15.7	15.7	15.7	5.4	-119.1	-57.0	-2.151e+04	-3704.0	-787.1
10	ok 692	0.08	1.0	3.30e-02	20.5	15.7	15.8	15.7	-252.9	-221.5	-5.7	-5.152e+04	-9147.3	-1088.1
10	ok 693	0.07	0.6	3.74e-02	15.7	15.7	15.7	15.7	-265.2	-206.6	-68.9	-2.737e+04	-3824.8	-1078.9
10	ok 694	0.07	0.5	3.26e-02	15.7	15.7	15.7	15.7	-257.3	-192.7	66.3	-5814.4	638.6	-1145.4
10	ok 711	0.07	1.0	2.52e-03	15.7	17.9	15.7	16.4	307.5	467.0	-130.2	2.708e+04	2733.9	2075.7
10	ok 712	0.07	1.0	2.67e-03	15.7	19.4	15.7	16.0	295.2	313.0	-16.9	3.116e+04	4418.0	3010.1
10	ok 713	0.07	1.0	4.04e-03	15.7	16.6	15.7	15.7	296.0	251.6	-33.1	2.630e+04	5067.3	1494.0
10	ok 714	0.07	0.9	9.12e-03	15.7	15.8	15.7	15.7	320.1	139.5	-17.8	2.370e+04	5241.3	867.9
10	ok 715	0.07	0.8	1.53e-02	15.7	15.7	15.7	15.7	-38.2	-84.1	-13.2	-2.753e+04	-5050.6	663.1
10	ok 716	0.07	0.8	1.80e-02	15.7	15.7	15.7	15.7	422.5	-93.0	47.3	1.751e+04	5144.6	1388.4
10	ok 717	0.07	0.8	2.08e-02	15.7	15.7	15.7	15.7	416.0	-135.0	48.8	1.832e+04	5600.3	983.8

M_G	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
10	ok 718	0.07	0.6	2.38e-02	15.7	15.7	15.7	15.7	379.5	-178.9	37.8	1.339e+04	4720.7	685.7
10	ok 719	0.07	0.6	2.80e-02	15.7	15.7	15.7	15.7	89.2	-189.3	113.0	-1.933e+04	-2932.8	-293.2
10	ok 720	0.07	0.4	2.71e-02	15.7	15.7	15.7	15.7	3.5	-179.2	31.6	1.548e+04	4697.8	-687.1
10	ok 721	0.07	0.4	2.64e-02	15.7	15.7	15.7	15.7	38.2	-167.0	55.3	1.388e+04	4326.1	-543.8
10	ok 722	0.07	0.4	2.72e-02	15.7	15.7	15.7	15.7	8.4	-94.6	63.8	1.375e+04	3958.7	-251.9
10	ok 723	0.07	0.6	2.66e-02	15.7	15.7	15.7	15.7	-5.0	-226.1	52.6	-2.109e+04	-3453.3	-838.7
10	ok 724	0.07	0.2	2.17e-02	15.7	15.7	15.7	15.7	-5.9	61.4	-10.8	6168.8	1548.1	-1178.1
10	ok 725	0.07	0.2	1.91e-02	15.7	15.7	15.7	15.7	-27.5	58.1	29.8	8007.6	1785.2	-1218.5
10	ok 726	0.07	0.4	1.73e-02	15.7	15.7	15.7	15.7	-98.8	-27.5	19.4	-1.302e+04	-2544.0	-480.6
10	ok 727	0.07	0.8	2.27e-02	15.7	15.7	15.7	15.7	-218.9	-111.3	14.1	-3.043e+04	-5928.4	-845.6
10	ok 728	0.07	0.5	2.10e-02	15.7	15.7	15.7	15.7	-168.7	-47.5	-25.8	-1.873e+04	-3779.3	-545.2
10	ok 729	0.07	0.5	2.00e-02	15.7	15.7	15.7	15.7	-30.0	-78.7	33.9	-1.841e+04	-3753.2	701.7
10	ok 730	0.07	0.6	1.90e-02	15.7	15.7	15.7	15.7	3.7	-120.2	38.4	-2.076e+04	-3805.3	987.4
10	ok 731	0.08	1.0	4.14e-02	20.6	15.7	15.8	15.7	-376.2	-240.6	87.4	-5.233e+04	-9171.2	-349.1
10	ok 732	0.07	0.6	3.94e-02	15.7	15.7	15.7	15.7	-285.7	-226.8	23.7	-2.786e+04	-3723.8	-481.0
10	ok 733	0.07	0.6	4.12e-02	15.7	15.7	15.7	15.7	-358.1	-189.7	156.8	-6093.9	1257.3	408.4
10	ok 750	0.07	0.9	2.48e-03	15.7	17.4	15.7	16.6	303.3	416.2	-177.0	2.576e+04	2931.1	2724.1
10	ok 751	0.07	1.0	3.12e-03	15.7	18.8	15.7	16.1	280.2	251.1	-84.7	3.070e+04	4803.3	3599.4
10	ok 752	0.07	0.9	4.48e-03	15.7	16.1	15.7	15.7	283.5	230.7	-63.4	2.510e+04	5072.5	2409.5
10	ok 753	0.07	0.9	8.76e-03	15.7	15.7	15.7	15.7	303.2	125.0	-43.6	2.223e+04	5092.9	1314.2
10	ok 754	0.07	0.7	1.56e-02	15.7	15.7	15.7	15.7	-42.2	-81.5	-9.6	-2.684e+04	-4884.7	1180.3
10	ok 755	0.07	0.7	1.79e-02	15.7	15.7	15.7	15.7	394.3	-88.3	50.5	1.645e+04	4858.6	1765.1
10	ok 756	0.07	0.8	2.05e-02	15.7	15.7	15.7	15.7	387.5	-124.6	51.0	1.762e+04	5332.1	1137.9
10	ok 757	0.07	0.6	2.33e-02	15.7	15.7	15.7	15.7	340.5	-175.2	-22.7	1.336e+04	4729.4	146.6
10	ok 758	0.07	0.6	2.85e-02	15.7	15.7	15.7	15.7	75.9	-179.2	68.4	-1.901e+04	-2833.5	200.8
10	ok 759	0.07	0.4	2.76e-02	15.7	15.7	15.7	15.7	-13.1	-173.8	40.4	1.472e+04	4656.3	-818.1
10	ok 760	0.07	0.4	2.66e-02	15.7	15.7	15.7	15.7	18.7	-158.9	87.1	1.367e+04	4459.2	-708.7
10	ok 761	0.07	0.4	2.64e-02	15.7	15.7	15.7	15.7	1.3	-90.2	95.7	1.312e+04	3933.3	-335.0
10	ok 762	0.07	0.6	2.85e-02	15.7	15.7	15.7	15.7	-24.0	-211.0	52.0	-2.057e+04	-3296.2	-1120.3
10	ok 763	0.07	0.2	2.15e-02	15.7	15.7	15.7	15.7	-32.8	71.0	35.8	6071.9	1514.2	-1356.2
10	ok 764	0.07	0.2	1.87e-02	15.7	15.7	15.7	15.7	-56.3	64.2	26.6	7987.1	1778.8	-785.2
10	ok 765	0.07	0.4	1.66e-02	15.7	15.7	15.7	15.7	-101.3	-22.6	38.1	-1.197e+04	-2336.8	-603.1
10	ok 766	0.07	0.8	2.29e-02	15.7	15.7	15.7	15.7	-223.4	-102.7	14.8	-2.922e+04	-5679.0	-1203.3
10	ok 767	0.07	0.5	2.16e-02	15.7	15.7	15.7	15.7	-187.7	-50.5	-52.8	-1.770e+04	-3556.5	-582.9
10	ok 768	0.07	0.5	2.07e-02	15.7	15.7	15.7	15.7	-125.4	-77.5	34.8	-1.761e+04	-3676.7	1027.9
10	ok 769	0.07	0.6	2.01e-02	15.7	15.7	15.7	15.7	1.7	-120.9	39.3	-2.038e+04	-3770.7	1623.0
10	ok 770	0.07	1.0	4.34e-02	19.2	15.7	15.7	15.7	-386.6	-254.7	60.0	-5.313e+04	-9027.3	1141.3
10	ok 771	0.07	0.6	4.54e-02	15.7	15.7	15.7	15.7	-371.0	-213.6	112.2	-2.748e+04	-3328.1	1405.7
10	ok 772	0.07	0.6	4.39e-02	15.7	15.7	15.7	15.7	-357.3	-192.2	188.9	-6844.2	2291.5	1050.0
10	ok 775	0.07	0.9	2.61e-03	15.7	16.3	15.7	16.3	277.1	354.5	-217.0	2.359e+04	3115.7	3377.6
10	ok 776	0.07	1.0	3.89e-03	15.7	17.9	15.7	16.1	261.3	207.0	-116.7	2.913e+04	5117.8	4847.1
10	ok 777	0.07	0.9	5.40e-03	15.7	15.7	15.7	15.7	279.1	122.2	-112.2	2.380e+04	5031.2	3895.8
10	ok 778	0.07	0.8	8.19e-03	15.7	15.7	15.7	15.7	276.2	106.1	-63.0	2.000e+04	4856.2	1619.2
10	ok 779	0.07	0.7	1.60e-02	15.7	15.7	15.7	15.7	-48.8	-75.1	-4.9	-2.558e+04	-4577.9	1700.6
10	ok 780	0.07	0.6	1.78e-02	15.7	15.7	15.7	15.7	331.6	-103.1	23.7	1.546e+04	4787.4	1394.5
10	ok 781	0.07	0.7	1.99e-02	15.7	15.7	15.7	15.7	291.2	-139.4	27.1	1.734e+04	5400.5	673.1
10	ok 782	0.07	0.5	2.24e-02	15.7	15.7	15.7	15.7	285.3	-169.0	19.2	1.291e+04	4668.8	240.8
10	ok 783	0.07	0.6	2.98e-02	15.7	15.7	15.7	15.7	56.4	-171.3	104.4	-1.820e+04	-2432.6	413.4
10	ok 784	0.07	0.4	3.19e-02	15.7	15.7	15.7	15.7	-39.4	-165.8	50.1	1.351e+04	4761.9	-826.4
10	ok 785	0.07	0.4	3.19e-02	15.7	15.7	15.7	15.7	-11.0	-146.4	116.8	1.310e+04	4842.8	-889.1
10	ok 786	0.07	0.3	3.24e-02	15.7	15.7	15.7	15.7	-8.6	-82.1	124.4	1.209e+04	4046.9	-551.7
10	ok 787	0.07	0.5	3.40e-02	15.7	15.7	15.7	15.7	-51.2	-193.9	50.8	-1.949e+04	-2858.9	-1511.4
10	ok 788	0.07	0.2	2.15e-02	15.7	15.7	15.7	15.7	-71.6	-55.1	75.6	5067.3	1815.8	-1862.3
10	ok 789	0.07	0.2	1.83e-02	15.7	15.7	15.7	15.7	-90.6	81.9	60.5	7920.6	1779.5	-955.2
10	ok 790	0.07	0.3	1.58e-02	15.7	15.7	15.7	15.7	-101.7	-12.6	55.3	-1.037e+04	-1978.9	-725.4
10	ok 791	0.07	0.7	2.30e-02	15.7	15.7	15.7	15.7	-227.0	-85.7	14.2	-2.723e+04	-5260.9	-1596.9
10	ok 792	0.07	0.4	2.31e-02	15.7	15.7	15.7	15.7	-144.2	-26.9	41.9	-1.627e+04	-3484.2	249.4
10	ok 793	0.07	0.4	2.14e-02	15.7	15.7	15.7	15.7	-124.8	-73.9	36.7	-1.660e+04	-3423.3	1364.5
10	ok 794	0.07	0.6	2.13e-02	15.7	15.7	15.7	15.7	-45.5	-151.6	43.0	-2.027e+04	-3279.9	1815.0
10	ok 795	0.07	1.0	4.62e-02	19.1	15.7	15.7	15.7	-400.0	-270.2	90.1	-5.323e+04	-8559.4	2641.5
10	ok 796	0.07	0.6	4.83e-02	15.7	15.7	15.7	15.7	-414.2	-256.6	91.8	-2.901e+04	-2199.8	2016.6
10	ok 797	0.07	0.6	4.67e-02	15.7	15.7	15.7	15.7	-358.6	-194.3	220.9	-8210.5	3607.4	2516.4
10	ok 814	0.07	0.8	4.09e-03	15.7	15.7	15.7	15.7	260.7	279.0	-260.6	2.047e+04	3333.5	4133.6
10	ok 815	0.07	1.0	4.83e-03	15.7	16.4	15.7	16.3	234.6	172.9	-159.4	2.684e+04	5785.7	5913.0
10	ok 816	0.07	0.8	6.50e-03	15.7	15.7	15.7	15.7	245.1	95.5	-128.5	2.211e+04	5583.2	4583.1
10	ok 817	0.07	0.6	8.90e-03	15.7	15.7	15.7	15.7	238.1	83.3	-62.3	1.708e+04	4472.5	1596.6
10	ok 818	0.07	0.7	1.70e-02	15.7	15.7	15.7	15.7	-57.5	-64.0	1.8	-2.362e+04	-4058.0	2174.7
10	ok 819	0.07	0.6	1.80e-02	15.7	15.7	15.7	15.7	272.5	-71.0	-11.6	1.404e+04	4664.2	1116.9
10	ok 820	0.07	0.6	1.91e-02	15.7	15.7	15.7	15.7	230.9	-94.0	-21.3	1.677e+04	5411.5	333.8
10	ok 821	0.07	0.5	2.09e-02	15.7	15.7	15.7	15.7	212.4	-140.7	13.7	1.251e+04	4659.5	376.0
10	ok 822	0.07	0.5	3.83e-02	15.7	15.7	15.7	15.7	26.9	-156.9	138.2	-1.685e+04	-1883.8	835.4
10	ok 823	0.07	0.3	4.08e-02	15.7	15.7	15.7	15.7	-76.6	-153.8	58.7	1.161e+04	4912.7	-596.9
10	ok 824	0.07	0.3	4.03e-02	15.7	15.7	15.7	15.7	-47.7	-130.0	141.5	1.183e+04	5513.6	-1117.8
10	ok 825	0.07	0.3	4.06e-02	15.7	15.7	15.7	15.7	-19.5	-68.7	147.9	1.053e+04	4260.6	-1034.7

M_G	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
10	ok 826	0.07	0.5	4.10e-02	15.7	15.7	15.7	15.7	-88.5	-167.9	46.1	-1.773e+04	-2243.7	-2131.2
10	ok 827	0.07	0.2	2.19e-02	15.7	15.7	15.7	15.7	-73.9	-37.4	97.0	5159.1	2006.0	-2345.1
10	ok 828	0.07	0.2	1.83e-02	15.7	15.7	15.7	15.7	-124.6	113.6	139.4	7880.4	1829.6	-1104.6
10	ok 829	0.07	0.3	1.70e-02	15.7	15.7	15.7	15.7	-96.2	2.0	70.6	-8218.2	-1404.3	-888.1
10	ok 830	0.07	0.6	2.30e-02	15.7	15.7	15.7	15.7	-226.2	-60.6	11.7	-2.440e+04	-4631.6	-1996.3
10	ok 831	0.07	0.4	2.45e-02	15.7	15.7	15.7	15.7	-148.0	-12.7	51.9	-1.419e+04	-3056.8	230.3
10	ok 832	0.07	0.4	2.33e-02	15.7	15.7	15.7	15.7	-128.2	-66.9	42.1	-1.443e+04	-2958.7	1730.9
10	ok 833	0.07	0.5	2.23e-02	15.7	15.7	15.7	15.7	-164.6	-155.6	44.1	-1.825e+04	-2758.5	2835.9
10	ok 834	0.07	1.0	5.05e-02	18.1	15.7	15.7	15.7	-422.9	-281.3	121.9	-5.185e+04	-7937.5	4868.2
10	ok 835	0.07	0.6	5.22e-02	15.7	15.7	15.7	15.7	-436.2	-265.0	200.8	-2.945e+04	-878.0	5181.9
10	ok 836	0.07	0.7	5.18e-02	15.7	15.7	15.7	15.7	-364.3	-196.6	237.8	-1.075e+04	4867.6	4411.1
10	ok 863	0.07	0.8	9.89e-03	15.7	15.7	15.7	15.7	117.4	183.1	-111.7	2.388e+04	4974.2	528.7
10	ok 864	0.07	0.9	5.96e-03	15.7	15.7	15.7	15.7	207.8	124.2	-192.5	2.251e+04	6371.3	7717.7
10	ok 865	0.07	0.7	7.79e-03	15.7	15.7	15.7	15.7	213.6	53.2	-136.3	1.921e+04	6277.5	4754.6
10	ok 866	0.07	0.5	1.01e-02	15.7	15.7	15.7	15.7	182.7	54.2	-54.9	1.363e+04	4001.3	1474.1
10	ok 867	0.07	0.6	1.95e-02	15.7	15.7	15.7	15.7	-67.0	-47.6	12.1	-2.073e+04	-3181.6	2465.7
10	ok 868	0.07	0.5	1.96e-02	15.7	15.7	15.7	15.7	240.5	-49.5	-3.7	1.233e+04	4903.1	1443.0
10	ok 869	0.07	0.6	1.92e-02	15.7	15.7	15.7	15.7	138.8	-58.9	-19.2	1.593e+04	5831.2	371.4
10	ok 870	0.07	0.4	2.08e-02	15.7	15.7	15.7	15.7	207.7	-22.3	-48.2	1.255e+04	4796.9	-204.2
10	ok 871	0.07	0.4	5.14e-02	15.7	15.7	15.7	15.7	-16.5	-125.5	161.8	-1.430e+04	-1705.8	1363.1
10	ok 872	0.07	0.2	5.27e-02	15.7	15.7	15.7	15.7	-124.7	-151.0	51.9	8000.9	4057.2	452.3
10	ok 873	0.07	0.3	4.91e-02	15.7	15.7	15.7	15.7	-82.6	-105.3	144.3	9099.8	6727.8	-1308.8
10	ok 874	0.07	0.2	4.84e-02	15.7	15.7	15.7	15.7	-33.7	-48.2	169.8	8081.0	3624.6	-2247.3
10	ok 875	0.07	0.4	4.77e-02	15.7	15.7	15.7	15.7	-137.2	-122.3	40.1	-1.459e+04	-2011.5	-2873.5
10	ok 876	0.07	0.2	2.31e-02	15.7	15.7	15.7	15.7	-129.5	81.1	174.9	5793.7	2637.1	-2652.7
10	ok 877	0.07	0.2	2.27e-02	15.7	15.7	15.7	15.7	-146.6	98.5	145.0	6161.0	2766.3	-2317.8
10	ok 878	0.07	0.2	2.20e-02	15.7	15.7	15.7	15.7	-151.7	117.2	173.4	5915.5	2091.6	-1478.6
10	ok 879	0.07	0.6	2.48e-02	15.7	15.7	15.7	15.7	-214.3	-28.7	6.7	-2.062e+04	-3712.1	-2316.0
10	ok 880	0.07	0.3	2.69e-02	15.7	15.7	15.7	15.7	-156.5	8.5	79.2	-1.154e+04	-2511.9	216.8
10	ok 881	0.07	0.3	2.64e-02	15.7	15.7	15.7	15.7	-142.4	-51.8	54.2	-1.158e+04	-2387.7	2088.3
10	ok 882	0.07	0.4	2.53e-02	15.7	15.7	15.7	15.7	-199.8	-151.2	51.9	-1.488e+04	-2056.3	3701.1
10	ok 883	0.07	1.0	5.74e-02	15.7	15.7	15.7	15.7	-470.6	-282.7	158.6	-4.737e+04	-7775.9	7163.3
10	ok 884	0.07	0.7	5.95e-02	15.7	15.7	15.7	15.7	-380.6	-230.3	203.1	-3.055e+04	-3140.9	9753.0
10	ok 885	0.07	0.7	6.10e-02	15.7	15.7	15.7	15.7	-391.8	-208.1	210.1	-1.597e+04	3892.7	6258.1
10	ok 914	0.07	0.2	5.02e-03	15.7	15.7	15.7	15.7	49.2	-6.0	-57.3	3801.0	-533.0	-2978.2
10	ok 915	0.07	0.3	8.96e-03	15.7	15.7	15.7	15.7	296.4	14.2	-70.2	-7438.5	-2471.6	-3536.2
10	ok 916	0.09	1.0	2.01e-02	32.6	15.7	19.2	15.7	554.1	60.3	-126.8	-4.794e+04	-3729.9	3582.8
10	ok 917	0.07	0.6	8.08e-03	15.7	15.7	15.7	15.7	271.9	-11.8	-155.5	1.123e+04	8048.9	1.118e+04
10	ok 918	0.07	0.6	9.55e-03	15.7	15.7	15.7	15.7	171.3	15.7	-96.0	1.551e+04	7016.1	4828.8
10	ok 919	0.07	0.3	1.13e-02	15.7	15.7	15.7	15.7	84.8	30.8	-24.9	9978.5	3647.1	1277.9
10	ok 920	0.07	0.4	2.43e-02	15.7	15.7	15.7	15.7	-71.0	-26.3	28.5	-1.631e+04	-1742.9	2326.1
10	ok 921	0.07	0.4	2.39e-02	15.7	15.7	15.7	15.7	133.8	-19.5	0.9	1.019e+04	5702.4	2002.3
10	ok 922	0.07	0.5	2.31e-02	15.7	15.7	15.7	15.7	105.4	-9.3	-16.0	1.426e+04	6873.4	62.0
10	ok 923	0.07	0.4	2.64e-02	15.7	15.7	15.7	15.7	112.7	17.4	-61.7	1.187e+04	5315.6	-1397.6
10	ok 924	0.07	0.4	5.91e-02	15.7	15.7	15.7	15.7	-221.0	-154.5	275.6	-1.213e+04	-1086.4	951.5
10	ok 925	0.07	0.2	5.94e-02	15.7	15.7	15.7	15.7	-191.4	-112.2	78.5	7092.5	-76.3	97.0
10	ok 926	0.07	0.2	6.13e-02	15.7	15.7	15.7	15.7	-212.7	-70.5	-14.9	-5807.1	-5123.5	-2410.6
10	ok 927	0.07	0.2	5.35e-02	15.7	15.7	15.7	15.7	-155.3	-7.7	144.5	4181.6	-343.1	-4521.7
10	ok 928	0.07	0.3	5.14e-02	15.7	15.7	15.7	15.7	-170.1	-60.5	49.0	-9570.4	-1922.8	-2554.5
10	ok 929	0.07	0.2	2.61e-02	15.7	15.7	15.7	15.7	-102.4	137.7	215.5	6519.0	3529.1	-2066.4
10	ok 930	0.07	0.2	2.64e-02	15.7	15.7	15.7	15.7	-157.6	142.4	177.5	6647.4	4349.3	-2300.7
10	ok 931	0.07	0.2	2.82e-02	15.7	15.7	15.7	15.7	-107.3	133.2	299.3	4995.9	2595.0	-1852.0
10	ok 932	0.07	0.5	2.85e-02	15.7	15.7	15.7	15.7	-177.1	5.6	-1.1	-1.563e+04	-2359.2	-2403.4
10	ok 933	0.07	0.2	3.19e-02	15.7	15.7	15.7	15.7	-173.2	42.7	136.2	-8277.2	-1810.7	116.8
10	ok 934	0.07	0.3	3.43e-02	15.7	15.7	15.7	15.7	-191.9	-13.1	90.8	-8275.2	-1850.7	2463.6
10	ok 935	0.07	0.3	3.34e-02	15.7	15.7	15.7	15.7	-226.2	-126.4	71.9	-1.139e+04	-1426.3	4175.0
10	ok 936	0.07	0.8	6.82e-02	15.7	15.7	15.7	15.7	-561.9	-294.7	262.6	-3.931e+04	-6891.1	6822.8
10	ok 937	0.07	0.7	7.31e-02	15.7	15.7	15.7	15.7	-574.5	-238.5	225.8	-3.134e+04	-6781.4	1.018e+04
10	ok 938	0.07	0.7	6.51e-02	15.7	15.7	15.7	15.7	-446.2	-89.8	204.7	-3.185e+04	-1.480e+04	7737.2
10	ok 955	0.07	0.2	1.34e-02	15.7	15.7	15.7	15.7	-5.9	61.5	-154.5	686.7	98.4	-4651.4
10	ok 956	0.07	0.4	2.20e-02	15.7	15.7	15.7	15.7	-29.1	11.8	-183.2	238.6	1676.6	-1.021e+04
10	ok 957	0.07	0.4	2.45e-02	15.7	15.7	15.7	15.7	69.6	-52.4	-89.5	-1.336e+04	393.7	2269.5
10	ok 958	0.07	0.5	1.38e-02	15.7	15.7	15.7	15.7	58.1	32.9	-27.2	5909.8	6053.1	9807.3
10	ok 959	0.07	0.4	1.98e-02	15.7	15.7	15.7	15.7	-6.7	66.6	-84.3	9647.9	6994.2	5281.6
10	ok 960	0.07	0.2	2.41e-02	15.7	15.7	15.7	15.7	-21.8	40.7	-134.0	5206.7	5455.9	1954.2
10	ok 961	0.07	0.3	3.48e-02	15.7	15.7	15.7	15.7	-47.5	-2.8	54.5	-9304.5	131.4	1473.3
10	ok 962	0.07	0.3	4.23e-02	15.7	15.7	15.7	15.7	78.9	5.3	-11.3	6064.4	4839.7	5009.7
10	ok 963	0.07	0.3	4.22e-02	15.7	15.7	15.7	15.7	-4.5	70.9	-4.0	1.018e+04	6993.7	-250.3
10	ok 964	0.07	0.4	4.07e-02	15.7	15.7	15.7	15.7	-30.4	41.9	-46.0	8957.7	5631.8	-4484.3
10	ok 965	0.07	0.3	7.07e-02	15.7	15.7	15.7	15.7	-192.7	-246.1	318.8	-1.158e+04	451.5	-1896.2
10	ok 966	0.07	0.2	7.48e-02	15.7	15.7	15.7	15.7	-294.1	-44.1	102.4	4405.0	-398.5	-3739.4
10	ok 967	0.07	0.3	5.49e-02	15.7	15.7	15.7	15.7	-324.6	1.9	55.2	-6454.3	-4052.5	-2322.6
10	ok 968	0.07	0.2	4.42e-02	15.7	15.7	15.7	15.7	-50.4	104.1	452.8	6688.8	-105.2	-2242.5
10	ok 969	0.07	0.3	4.40e-02	15.7	15.7	15.7	15.7	-11.3	-181.7	-186.8	-8992.0	-42.5	520.0

M_G	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
10	ok 970	0.07	0.3	2.48e-02	15.7	15.7	15.7	15.7	76.6	138.0	249.9	6412.8	3684.3	1974.6
10	ok 971	0.07	0.2	2.76e-02	15.7	15.7	15.7	15.7	-33.7	174.6	182.0	5515.4	5581.3	-2088.8
10	ok 972	0.07	0.2	3.62e-02	15.7	15.7	15.7	15.7	-31.6	116.3	433.0	3478.0	3709.1	-3420.5
10	ok 973	0.07	0.4	4.12e-02	15.7	15.7	15.7	15.7	-75.4	31.8	-9.1	-9005.4	-557.5	-2034.5
10	ok 974	0.07	0.2	4.90e-02	15.7	15.7	15.7	15.7	305.5	100.0	-194.8	2129.0	2469.6	-1083.9
10	ok 975	0.07	0.3	5.43e-02	15.7	15.7	15.7	15.7	300.5	108.0	-182.5	3176.6	2742.8	-2760.9
10	ok 976	0.07	0.4	5.77e-02	15.7	15.7	15.7	15.7	-465.2	-7.8	146.8	-8403.3	-845.7	5135.5
10	ok 977	0.07	0.7	9.31e-02	15.7	15.7	15.7	15.7	-791.0	-325.7	313.3	-3.475e+04	-5480.2	4758.8
10	ok 978	0.07	0.7	0.1	15.7	15.7	15.7	15.7	-803.9	-282.9	256.2	-3.082e+04	-7639.1	4281.6
10	ok 979	0.07	0.6	8.64e-02	15.7	15.7	15.7	15.7	-618.4	-11.9	205.5	-3.373e+04	-1.335e+04	4203.1
10	ok 996	0.07	6.75e-02	1.12e-02	15.7	15.7	15.7	15.7	-41.9	108.2	-64.1	-1438.8	-1018.0	-484.1
10	ok 997	0.07	0.2	3.59e-02	15.7	15.7	15.7	15.7	-193.0	-57.0	11.0	8793.2	-2667.7	-3147.4
10	ok 998	0.07	0.3	6.18e-02	15.7	15.7	15.7	15.7	-502.6	-84.5	-124.1	3730.7	-1229.6	1597.1
10	ok 999	0.07	0.2	3.46e-02	15.7	15.7	15.7	15.7	-334.1	28.8	26.8	3241.1	-226.3	5113.6
10	ok 1000	0.07	0.2	2.72e-02	15.7	15.7	15.7	15.7	-148.1	105.8	-122.7	4056.6	2834.1	2261.6
10	ok 1001	0.07	0.1	3.45e-02	15.7	15.7	15.7	15.7	-131.9	86.0	-30.8	2207.3	2129.1	-828.8
10	ok 1002	0.07	0.1	4.51e-02	15.7	15.7	15.7	15.7	-238.8	-52.4	-97.8	446.0	-1271.4	2569.2
10	ok 1003	0.07	0.2	4.79e-02	15.7	15.7	15.7	15.7	-113.2	71.3	-87.5	2215.6	1125.2	2541.9
10	ok 1004	0.07	0.2	5.32e-02	15.7	15.7	15.7	15.7	-30.7	129.7	-98.8	4160.6	3302.5	-287.5
10	ok 1005	0.07	0.3	6.92e-02	15.7	15.7	15.7	15.7	-14.4	105.2	-102.4	5953.1	1986.7	-3466.8
10	ok 1006	0.07	0.3	0.2	15.7	15.7	15.7	15.7	-1579.1	-166.6	433.0	-1.536e+04	-1117.0	-1284.2
10	ok 1007	0.07	0.3	9.43e-02	15.7	15.7	15.7	15.7	-933.8	-62.1	94.9	-4591.3	-1392.2	-3453.0
10	ok 1008	0.07	0.1	5.44e-02	15.7	15.7	15.7	15.7	-113.9	47.8	63.8	-4477.0	-1070.2	-1823.8
10	ok 1009	0.07	0.4	6.96e-02	15.7	15.7	15.7	15.7	-701.4	-86.3	-124.5	-2971.9	-1801.3	2600.7
10	ok 1010	0.07	0.9	0.1	15.7	19.5	15.7	17.2	-1019.7	-133.4	-341.3	-1.111e+04	-1113.4	1032.3
10	ok 1011	0.07	0.4	4.02e-02	15.7	15.7	15.7	15.7	397.3	134.5	375.9	4831.1	2821.6	2121.2
10	ok 1012	0.07	0.2	2.83e-02	15.7	15.7	15.7	15.7	176.1	204.2	274.0	2908.0	6290.1	-1461.2
10	ok 1013	0.07	0.2	3.09e-02	15.7	15.7	15.7	15.7	121.3	130.6	299.3	1071.3	3972.8	-3242.3
10	ok 1014	0.07	0.2	4.05e-02	15.7	15.7	15.7	15.7	-35.9	-3.5	394.1	-5370.1	-108.8	-1200.1
10	ok 1015	0.07	0.1	5.41e-02	15.7	15.7	15.7	15.7	-2.8	110.6	47.7	648.0	3658.0	56.9
10	ok 1016	0.07	0.2	6.71e-02	15.7	15.7	15.7	15.7	-64.3	179.4	191.2	1577.2	5537.2	-1210.3
10	ok 1017	0.07	0.6	9.02e-02	15.7	15.7	15.7	15.7	-834.1	78.6	339.9	-5267.4	249.4	3337.1
10	ok 1018	0.08	0.9	0.2	15.7	26.1	15.7	19.6	-2332.4	-281.4	542.4	-3.919e+04	-3480.9	4065.0
10	ok 1019	0.08	0.9	0.1	15.7	22.4	15.7	16.9	-1657.3	-93.1	146.8	-3.350e+04	-1788.2	431.6
10	ok 1020	0.07	0.8	0.1	15.7	15.7	15.7	15.7	-1084.3	-23.9	64.4	-3.287e+04	-2520.3	-1121.8
M_G		**x/d**	**verif.**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N x**	**N y**	**N xy**	**M x**	**M y**	**M xy**
									-2332.43	-325.69	-512.42	-5.323e+04	-1.480e+04	-1.415e+04
		0.10	0.99	0.22	32.64	36.39	19.24	20.49	554.13	506.55	542.40	3.193e+04	8048.91	1.118e+04

L’armatura della platea è costituita da una maglia base di 1ϕ20/20/20 inf/sup a cui si aggiungono ferri alternati con sezione variabile.

3.10.1.5 STATI LIMITE D' ESERCIZIO

TABELLA STATI LIMITE D' ESERCIZIO

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
343	0.15	0.47	0.0	96,96,0	0.0	0.0	0.0	0,0,0
344	0.12	0.44	0.0	96,96,0	0.0	0.0	0.0	0,0,0
345	0.10	0.35	0.0	96,96,0	0.0	0.0	0.0	0,0,0
346	0.06	0.18	0.0	93,96,0	0.0	0.0	0.0	0,0,0
347	0.06	0.26	0.0	93,96,0	0.0	0.0	0.0	0,0,0
348	0.07	0.29	0.0	93,96,0	0.0	0.0	0.0	0,0,0
349	0.07	0.24	0.0	93,96,0	0.0	0.0	0.0	0,0,0
350	0.06	0.14	0.0	93,93,0	0.0	0.0	0.0	0,0,0
351	0.08	0.19	0.0	96,89,0	0.0	0.0	0.0	0,0,0
352	0.10	0.16	0.0	91,89,0	0.0	0.0	0.0	0,0,0
353	0.10	0.15	0.0	91,89,0	0.0	0.0	0.0	0,0,0
354	0.10	0.19	0.0	88,88,0	0.0	0.0	0.0	0,0,0
355	0.06	0.13	0.0	88,91,0	0.0	0.0	0.0	0,0,0
356	0.05	0.19	0.0	94,91,0	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
357	0.05	0.25	0.0	94,91,0	0.0	0.0	0.0	0,0,0
358	0.06	0.31	0.0	94,91,0	0.0	0.0	0.0	0,0,0
359	0.06	0.31	0.0	93,91,0	0.0	0.0	0.0	0,0,0
360	0.03	0.25	0.0	93,91,0	0.0	0.0	0.0	0,0,0
361	0.05	0.35	0.0	91,89,0	0.0	0.0	0.0	0,0,0
362	0.12	0.53	0.0	91,89,0	0.0	0.0	0.0	0,0,0
363	0.19	0.64	0.0	91,89,0	0.0	0.0	0.0	0,0,0
364	0.09	0.27	0.0	93,89,0	0.0	0.0	0.0	0,0,0
392	0.15	0.52	0.0	96,96,0	0.0	0.0	0.0	0,0,0
393	0.13	0.49	0.0	96,96,0	0.0	0.0	0.0	0,0,0
394	0.12	0.44	0.0	93,96,0	0.0	0.0	0.0	0,0,0
395	0.13	0.32	0.0	94,93,0	0.0	0.0	0.0	0,0,0
396	0.12	0.27	0.0	93,89,0	0.0	0.0	0.0	0,0,0
397	0.08	0.24	0.0	93,96,0	0.0	0.0	0.0	0,0,0
398	0.07	0.21	0.0	93,96,0	0.0	0.0	0.0	0,0,0
399	0.07	0.14	0.0	93,89,0	0.0	0.0	0.0	0,0,0
400	0.09	0.23	0.0	94,94,0	0.0	0.0	0.0	0,0,0
401	0.10	0.21	0.0	91,89,0	0.0	0.0	0.0	0,0,0
402	0.10	0.20	0.0	91,89,0	0.0	0.0	0.0	0,0,0
403	0.11	0.21	0.0	93,88,0	0.0	0.0	0.0	0,0,0
404	0.04	0.14	0.0	94,88,0	0.0	0.0	0.0	0,0,0
405	0.05	0.14	0.0	94,96,0	0.0	0.0	0.0	0,0,0
406	0.04	0.15	0.0	94,91,0	0.0	0.0	0.0	0,0,0
407	0.13	0.36	0.0	94,94,0	0.0	0.0	0.0	0,0,0
408	0.13	0.29	0.0	93,93,0	0.0	0.0	0.0	0,0,0
409	0.05	0.27	0.0	88,89,0	0.0	0.0	0.0	0,0,0
410	0.06	0.39	0.0	91,89,0	0.0	0.0	0.0	0,0,0
411	0.11	0.52	0.0	91,94,0	0.0	0.0	0.0	0,0,0
412	0.22	0.69	0.0	89,89,0	0.20	0.0	0.0	89,0,0
413	0.10	0.31	0.0	89,89,0	0.0	0.0	0.0	0,0,0
441	0.16	0.59	0.0	96,96,0	0.0	0.0	0.0	0,0,0
442	0.15	0.57	0.0	96,96,0	0.0	0.0	0.0	0,0,0
443	0.14	0.57	0.0	93,93,0	0.0	0.0	0.0	0,0,0
444	0.16	0.49	0.0	94,93,0	0.0	0.0	0.0	0,0,0
445	0.16	0.39	0.0	93,93,0	0.0	0.0	0.0	0,0,0
446	0.07	0.29	0.0	93,94,0	0.0	0.0	0.0	0,0,0
447	0.07	0.26	0.0	93,96,0	0.0	0.0	0.0	0,0,0
448	0.07	0.21	0.0	93,96,0	0.0	0.0	0.0	0,0,0
449	0.11	0.32	0.0	94,94,0	0.0	0.0	0.0	0,0,0
450	0.10	0.24	0.0	91,89,0	0.0	0.0	0.0	0,0,0
451	0.10	0.24	0.0	91,89,0	0.0	0.0	0.0	0,0,0
452	0.13	0.30	0.0	93,88,0	0.0	0.0	0.0	0,0,0
453	0.05	0.19	0.0	94,88,0	0.0	0.0	0.0	0,0,0
454	0.04	0.14	0.0	94,96,0	0.0	0.0	0.0	0,0,0
455	0.05	0.17	0.0	89,91,0	0.0	0.0	0.0	0,0,0
456	0.17	0.45	0.0	94,94,0	0.0	0.0	0.0	0,0,0
457	0.17	0.37	0.0	93,93,0	0.0	0.0	0.0	0,0,0
458	0.08	0.30	0.0	88,89,0	0.0	0.0	0.0	0,0,0
459	0.07	0.43	0.0	89,89,0	0.0	0.0	0.0	0,0,0
460	0.11	0.55	0.0	94,94,0	0.0	0.0	0.0	0,0,0
461	0.24	0.72	0.0	89,94,0	0.20	0.0	0.0	94,0,0
462	0.11	0.34	0.0	89,89,0	0.0	0.0	0.0	0,0,0
477	0.16	0.60	0.0	93,96,0	0.0	0.0	0.0	0,0,0
478	0.15	0.67	0.0	93,93,0	0.0	0.0	0.0	0,0,0
479	0.15	0.67	0.0	93,93,0	0.0	0.0	0.0	0,0,0
480	0.18	0.61	0.0	94,93,0	0.0	0.0	0.0	0,0,0
481	0.17	0.47	0.0	93,93,0	0.0	0.0	0.0	0,0,0
482	0.07	0.37	0.0	93,94,0	0.0	0.0	0.0	0,0,0
483	0.07	0.33	0.0	93,96,0	0.0	0.0	0.0	0,0,0
484	0.07	0.28	0.0	93,96,0	0.0	0.0	0.0	0,0,0
485	0.12	0.39	0.0	94,94,0	0.0	0.0	0.0	0,0,0
486	0.10	0.27	0.0	88,91,0	0.0	0.0	0.0	0,0,0
487	0.10	0.28	0.0	91,89,0	0.0	0.0	0.0	0,0,0
488	0.14	0.37	0.0	93,93,0	0.0	0.0	0.0	0,0,0
489	0.04	0.24	0.0	94,93,0	0.0	0.0	0.0	0,0,0
490	0.04	0.16	0.0	94,96,0	0.0	0.0	0.0	0,0,0
491	0.08	0.19	0.0	89,89,0	0.0	0.0	0.0	0,0,0
492	0.19	0.51	0.0	94,94,0	0.0	0.0	0.0	0,0,0
493	0.20	0.43	0.0	93,93,0	0.0	0.0	0.0	0,0,0
494	0.11	0.31	0.0	88,89,0	0.0	0.0	0.0	0,0,0
495	0.07	0.45	0.0	89,89,0	0.0	0.0	0.0	0,0,0
496	0.12	0.58	0.0	94,94,0	0.0	0.0	0.0	0,0,0
497	0.25	0.72	0.0	94,94,0	0.20	0.0	0.0	94,0,0
498	0.11	0.36	0.0	89,94,0	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
527	0.16	0.60	0.0	93,96,0	0.0	0.0	0.0	0,0,0
528	0.16	0.72	0.0	93,93,0	0.0	0.0	0.0	0,0,0
529	0.16	0.74	0.0	93,93,0	0.0	0.0	0.0	0,0,0
530	0.19	0.70	0.0	94,93,0	0.0	0.0	0.0	0,0,0
531	0.18	0.53	0.0	93,93,0	0.0	0.0	0.0	0,0,0
532	0.06	0.43	0.0	93,94,0	0.0	0.0	0.0	0,0,0
533	0.07	0.37	0.0	93,96,0	0.0	0.0	0.0	0,0,0
534	0.07	0.33	0.0	93,96,0	0.0	0.0	0.0	0,0,0
535	0.13	0.44	0.0	94,94,0	0.0	0.0	0.0	0,0,0
536	0.11	0.31	0.0	88,88,0	0.0	0.0	0.0	0,0,0
537	0.10	0.30	0.0	91,91,0	0.0	0.0	0.0	0,0,0
538	0.15	0.42	0.0	93,93,0	0.0	0.0	0.0	0,0,0
539	0.04	0.28	0.0	94,93,0	0.0	0.0	0.0	0,0,0
540	0.04	0.17	0.0	94,88,0	0.0	0.0	0.0	0,0,0
541	0.09	0.23	0.0	89,93,0	0.0	0.0	0.0	0,0,0
542	0.21	0.57	0.0	94,94,0	0.0	0.0	0.0	0,0,0
543	0.21	0.49	0.0	93,93,0	0.0	0.0	0.0	0,0,0
544	0.12	0.31	0.0	88,89,0	0.0	0.0	0.0	0,0,0
545	0.08	0.46	0.0	89,89,0	0.0	0.0	0.0	0,0,0
546	0.13	0.60	0.0	94,94,0	0.0	0.0	0.0	0,0,0
547	0.26	0.73	0.0	94,94,0	0.19	0.0	0.0	94,0,0
548	0.12	0.38	0.0	89,94,0	0.0	0.0	0.0	0,0,0
563	0.15	0.60	0.0	93,93,0	0.0	0.0	0.0	0,0,0
564	0.17	0.74	0.0	93,93,0	0.21	0.0	0.0	93,0,0
565	0.17	0.74	0.0	93,93,0	0.21	0.0	0.0	93,0,0
566	0.20	0.74	0.0	94,93,0	0.0	0.0	0.0	0,0,0
567	0.19	0.56	0.0	93,93,0	0.0	0.0	0.0	0,0,0
568	0.06	0.46	0.0	94,94,0	0.0	0.0	0.0	0,0,0
569	0.08	0.40	0.0	93,96,0	0.0	0.0	0.0	0,0,0
570	0.08	0.36	0.0	93,96,0	0.0	0.0	0.0	0,0,0
571	0.14	0.48	0.0	94,94,0	0.0	0.0	0.0	0,0,0
572	0.12	0.35	0.0	88,88,0	0.0	0.0	0.0	0,0,0
573	0.10	0.33	0.0	89,91,0	0.0	0.0	0.0	0,0,0
574	0.16	0.46	0.0	93,93,0	0.0	0.0	0.0	0,0,0
575	0.04	0.30	0.0	89,93,0	0.0	0.0	0.0	0,0,0
576	0.04	0.18	0.0	94,88,0	0.0	0.0	0.0	0,0,0
577	0.10	0.25	0.0	89,93,0	0.0	0.0	0.0	0,0,0
578	0.23	0.61	0.0	94,94,0	0.0	0.0	0.0	0,0,0
579	0.23	0.53	0.0	93,93,0	0.0	0.0	0.0	0,0,0
580	0.13	0.31	0.0	88,89,0	0.0	0.0	0.0	0,0,0
581	0.08	0.46	0.0	88,89,0	0.0	0.0	0.0	0,0,0
582	0.13	0.62	0.0	94,94,0	0.0	0.0	0.0	0,0,0
583	0.26	0.73	0.0	94,94,0	0.19	0.0	0.0	94,0,0
584	0.12	0.38	0.0	89,94,0	0.0	0.0	0.0	0,0,0
599	0.15	0.60	0.0	93,93,0	0.0	0.0	0.0	0,0,0
600	0.17	0.74	0.0	93,93,0	0.21	0.0	0.0	93,0,0
601	0.17	0.74	0.0	93,93,0	0.21	0.0	0.0	93,0,0
602	0.21	0.74	0.0	94,93,0	0.0	0.0	0.0	0,0,0
603	0.20	0.58	0.0	93,93,0	0.0	0.0	0.0	0,0,0
604	0.06	0.48	0.0	94,94,0	0.0	0.0	0.0	0,0,0
605	0.08	0.42	0.0	93,96,0	0.0	0.0	0.0	0,0,0
606	0.08	0.37	0.0	93,96,0	0.0	0.0	0.0	0,0,0
607	0.14	0.49	0.0	94,94,0	0.0	0.0	0.0	0,0,0
608	0.12	0.36	0.0	88,88,0	0.0	0.0	0.0	0,0,0
609	0.10	0.34	0.0	89,91,0	0.0	0.0	0.0	0,0,0
610	0.16	0.48	0.0	93,93,0	0.0	0.0	0.0	0,0,0
611	0.05	0.31	0.0	89,93,0	0.0	0.0	0.0	0,0,0
612	0.04	0.18	0.0	94,93,0	0.0	0.0	0.0	0,0,0
613	0.10	0.27	0.0	89,93,0	0.0	0.0	0.0	0,0,0
614	0.24	0.63	0.0	94,94,0	0.19	0.0	0.0	94,0,0
615	0.24	0.55	0.0	93,93,0	0.0	0.0	0.0	0,0,0
616	0.14	0.30	0.0	88,89,0	0.0	0.0	0.0	0,0,0
617	0.08	0.46	0.0	88,89,0	0.0	0.0	0.0	0,0,0
618	0.14	0.62	0.0	94,94,0	0.0	0.0	0.0	0,0,0
619	0.26	0.73	0.0	94,94,0	0.19	0.0	0.0	94,0,0
620	0.12	0.38	0.0	89,94,0	0.0	0.0	0.0	0,0,0
635	0.15	0.60	0.0	93,93,0	0.0	0.0	0.0	0,0,0
636	0.17	0.74	0.0	93,93,0	0.21	0.0	0.0	93,0,0
637	0.17	0.74	0.0	93,93,0	0.21	0.0	0.0	93,0,0
638	0.21	0.74	0.0	94,93,0	0.0	0.0	0.0	0,0,0
639	0.20	0.59	0.0	93,93,0	0.0	0.0	0.0	0,0,0
640	0.06	0.48	0.0	94,94,0	0.0	0.0	0.0	0,0,0
641	0.08	0.42	0.0	93,96,0	0.0	0.0	0.0	0,0,0
642	0.08	0.38	0.0	93,96,0	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
643	0.14	0.50	0.0	94,94,0	0.0	0.0	0.0	0,0,0
644	0.12	0.36	0.0	88,88,0	0.0	0.0	0.0	0,0,0
645	0.10	0.34	0.0	89,91,0	0.0	0.0	0.0	0,0,0
646	0.16	0.48	0.0	93,93,0	0.0	0.0	0.0	0,0,0
647	0.05	0.31	0.0	89,93,0	0.0	0.0	0.0	0,0,0
648	0.04	0.18	0.0	94,93,0	0.0	0.0	0.0	0,0,0
649	0.10	0.27	0.0	89,93,0	0.0	0.0	0.0	0,0,0
650	0.24	0.64	0.0	94,94,0	0.19	0.0	0.0	94,0,0
651	0.24	0.56	0.0	93,93,0	0.0	0.0	0.0	0,0,0
652	0.14	0.30	0.0	88,89,0	0.0	0.0	0.0	0,0,0
653	0.08	0.46	0.0	88,89,0	0.0	0.0	0.0	0,0,0
654	0.14	0.62	0.0	94,94,0	0.0	0.0	0.0	0,0,0
655	0.26	0.68	0.0	94,94,0	0.17	0.0	0.0	94,0,0
656	0.12	0.38	0.0	89,94,0	0.0	0.0	0.0	0,0,0
671	0.15	0.60	0.0	93,93,0	0.0	0.0	0.0	0,0,0
672	0.17	0.74	0.0	93,93,0	0.21	0.0	0.0	93,0,0
673	0.17	0.74	0.0	93,93,0	0.21	0.0	0.0	93,0,0
674	0.21	0.74	0.0	94,93,0	0.0	0.0	0.0	0,0,0
675	0.20	0.59	0.0	93,93,0	0.0	0.0	0.0	0,0,0
676	0.06	0.48	0.0	94,94,0	0.0	0.0	0.0	0,0,0
677	0.08	0.42	0.0	93,96,0	0.0	0.0	0.0	0,0,0
678	0.08	0.38	0.0	93,96,0	0.0	0.0	0.0	0,0,0
679	0.14	0.50	0.0	94,94,0	0.0	0.0	0.0	0,0,0
680	0.12	0.36	0.0	88,88,0	0.0	0.0	0.0	0,0,0
681	0.10	0.34	0.0	89,91,0	0.0	0.0	0.0	0,0,0
682	0.16	0.48	0.0	93,93,0	0.0	0.0	0.0	0,0,0
683	0.04	0.31	0.0	89,93,0	0.0	0.0	0.0	0,0,0
684	0.04	0.18	0.0	94,93,0	0.0	0.0	0.0	0,0,0
685	0.10	0.27	0.0	89,93,0	0.0	0.0	0.0	0,0,0
686	0.24	0.64	0.0	94,94,0	0.19	0.0	0.0	94,0,0
687	0.24	0.56	0.0	93,93,0	0.0	0.0	0.0	0,0,0
688	0.14	0.29	0.0	88,89,0	0.0	0.0	0.0	0,0,0
689	0.08	0.46	0.0	88,89,0	0.0	0.0	0.0	0,0,0
690	0.14	0.62	0.0	94,94,0	0.0	0.0	0.0	0,0,0
691	0.26	0.68	0.0	94,94,0	0.17	0.0	0.0	94,0,0
692	0.12	0.38	0.0	89,94,0	0.0	0.0	0.0	0,0,0
707	0.16	0.60	0.0	93,93,0	0.0	0.0	0.0	0,0,0
708	0.17	0.74	0.0	93,93,0	0.21	0.0	0.0	93,0,0
709	0.17	0.74	0.0	93,93,0	0.21	0.0	0.0	93,0,0
710	0.21	0.74	0.0	94,93,0	0.0	0.0	0.0	0,0,0
711	0.20	0.59	0.0	93,93,0	0.0	0.0	0.0	0,0,0
712	0.06	0.47	0.0	94,94,0	0.0	0.0	0.0	0,0,0
713	0.08	0.42	0.0	93,96,0	0.0	0.0	0.0	0,0,0
714	0.07	0.37	0.0	93,96,0	0.0	0.0	0.0	0,0,0
715	0.14	0.49	0.0	94,94,0	0.0	0.0	0.0	0,0,0
716	0.12	0.35	0.0	88,88,0	0.0	0.0	0.0	0,0,0
717	0.10	0.34	0.0	89,91,0	0.0	0.0	0.0	0,0,0
718	0.16	0.48	0.0	93,93,0	0.0	0.0	0.0	0,0,0
719	0.04	0.31	0.0	94,93,0	0.0	0.0	0.0	0,0,0
720	0.04	0.18	0.0	94,93,0	0.0	0.0	0.0	0,0,0
721	0.10	0.26	0.0	89,93,0	0.0	0.0	0.0	0,0,0
722	0.24	0.62	0.0	94,94,0	0.18	0.0	0.0	94,0,0
723	0.24	0.55	0.0	93,93,0	0.0	0.0	0.0	0,0,0
724	0.14	0.29	0.0	88,89,0	0.0	0.0	0.0	0,0,0
725	0.08	0.45	0.0	89,89,0	0.0	0.0	0.0	0,0,0
726	0.14	0.62	0.0	94,94,0	0.0	0.0	0.0	0,0,0
727	0.27	0.73	0.0	94,94,0	0.19	0.0	0.0	94,0,0
728	0.12	0.38	0.0	89,94,0	0.0	0.0	0.0	0,0,0
729	0.16	0.60	0.0	93,93,0	0.0	0.0	0.0	0,0,0
730	0.17	0.73	0.0	93,93,0	0.0	0.0	0.0	0,0,0
731	0.17	0.74	0.0	93,93,0	0.0	0.0	0.0	0,0,0
732	0.20	0.70	0.0	94,93,0	0.0	0.0	0.0	0,0,0
733	0.20	0.57	0.0	93,93,0	0.0	0.0	0.0	0,0,0
734	0.06	0.45	0.0	93,94,0	0.0	0.0	0.0	0,0,0
735	0.07	0.40	0.0	93,96,0	0.0	0.0	0.0	0,0,0
736	0.07	0.35	0.0	93,96,0	0.0	0.0	0.0	0,0,0
737	0.14	0.48	0.0	94,94,0	0.0	0.0	0.0	0,0,0
738	0.11	0.32	0.0	88,88,0	0.0	0.0	0.0	0,0,0
739	0.10	0.32	0.0	91,91,0	0.0	0.0	0.0	0,0,0
740	0.16	0.45	0.0	93,93,0	0.0	0.0	0.0	0,0,0
741	0.04	0.29	0.0	94,93,0	0.0	0.0	0.0	0,0,0
742	0.04	0.17	0.0	94,93,0	0.0	0.0	0.0	0,0,0
743	0.09	0.24	0.0	89,93,0	0.0	0.0	0.0	0,0,0
744	0.23	0.59	0.0	94,94,0	0.0	0.0	0.0	0,0,0

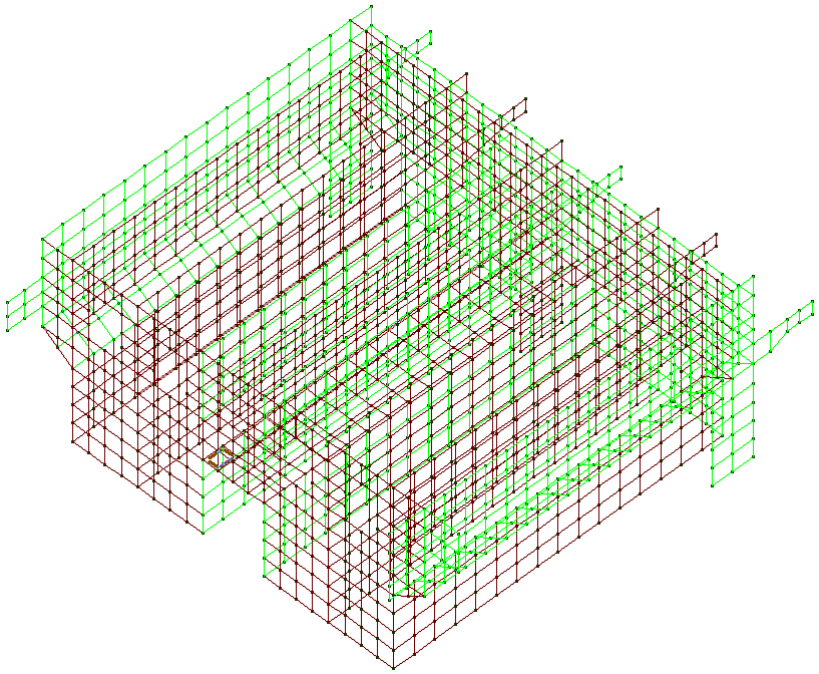
Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
745	0.23	0.52	0.0	93,93,0	0.0	0.0	0.0	0,0,0
746	0.13	0.28	0.0	88,89,0	0.0	0.0	0.0	0,0,0
747	0.08	0.44	0.0	89,89,0	0.0	0.0	0.0	0,0,0
748	0.14	0.62	0.0	94,94,0	0.0	0.0	0.0	0,0,0
749	0.27	0.73	0.0	94,94,0	0.19	0.0	0.0	94,0,0
750	0.12	0.37	0.0	89,94,0	0.0	0.0	0.0	0,0,0
765	0.16	0.60	0.0	93,96,0	0.0	0.0	0.0	0,0,0
766	0.16	0.69	0.0	93,93,0	0.0	0.0	0.0	0,0,0
767	0.16	0.69	0.0	93,93,0	0.0	0.0	0.0	0,0,0
768	0.19	0.63	0.0	94,93,0	0.0	0.0	0.0	0,0,0
769	0.19	0.54	0.0	93,93,0	0.0	0.0	0.0	0,0,0
770	0.06	0.41	0.0	93,94,0	0.0	0.0	0.0	0,0,0
771	0.07	0.38	0.0	93,96,0	0.0	0.0	0.0	0,0,0
772	0.07	0.33	0.0	93,96,0	0.0	0.0	0.0	0,0,0
773	0.13	0.45	0.0	94,94,0	0.0	0.0	0.0	0,0,0
774	0.10	0.30	0.0	88,91,0	0.0	0.0	0.0	0,0,0
775	0.10	0.30	0.0	91,91,0	0.0	0.0	0.0	0,0,0
776	0.15	0.41	0.0	93,93,0	0.0	0.0	0.0	0,0,0
777	0.05	0.27	0.0	94,93,0	0.0	0.0	0.0	0,0,0
778	0.05	0.15	0.0	94,93,0	0.0	0.0	0.0	0,0,0
779	0.08	0.21	0.0	89,93,0	0.0	0.0	0.0	0,0,0
780	0.21	0.55	0.0	94,94,0	0.0	0.0	0.0	0,0,0
781	0.21	0.47	0.0	93,93,0	0.0	0.0	0.0	0,0,0
782	0.11	0.27	0.0	88,89,0	0.0	0.0	0.0	0,0,0
783	0.08	0.42	0.0	89,89,0	0.0	0.0	0.0	0,0,0
784	0.14	0.60	0.0	94,94,0	0.0	0.0	0.0	0,0,0
785	0.27	0.71	0.0	94,94,0	0.19	0.0	0.0	94,0,0
786	0.13	0.36	0.0	89,94,0	0.0	0.0	0.0	0,0,0
801	0.16	0.61	0.0	93,96,0	0.0	0.0	0.0	0,0,0
802	0.15	0.61	0.0	96,93,0	0.0	0.0	0.0	0,0,0
803	0.15	0.61	0.0	93,93,0	0.0	0.0	0.0	0,0,0
804	0.18	0.54	0.0	94,93,0	0.0	0.0	0.0	0,0,0
805	0.18	0.49	0.0	93,93,0	0.0	0.0	0.0	0,0,0
806	0.07	0.36	0.0	93,94,0	0.0	0.0	0.0	0,0,0
807	0.07	0.34	0.0	93,96,0	0.0	0.0	0.0	0,0,0
808	0.07	0.30	0.0	93,96,0	0.0	0.0	0.0	0,0,0
809	0.13	0.40	0.0	94,94,0	0.0	0.0	0.0	0,0,0
810	0.09	0.27	0.0	91,89,0	0.0	0.0	0.0	0,0,0
811	0.09	0.26	0.0	91,89,0	0.0	0.0	0.0	0,0,0
812	0.14	0.36	0.0	93,93,0	0.0	0.0	0.0	0,0,0
813	0.05	0.25	0.0	94,88,0	0.0	0.0	0.0	0,0,0
814	0.05	0.15	0.0	94,96,0	0.0	0.0	0.0	0,0,0
815	0.06	0.16	0.0	89,93,0	0.0	0.0	0.0	0,0,0
816	0.19	0.48	0.0	94,94,0	0.0	0.0	0.0	0,0,0
817	0.19	0.41	0.0	93,93,0	0.0	0.0	0.0	0,0,0
818	0.09	0.25	0.0	88,89,0	0.0	0.0	0.0	0,0,0
819	0.07	0.39	0.0	89,89,0	0.0	0.0	0.0	0,0,0
820	0.13	0.56	0.0	94,94,0	0.0	0.0	0.0	0,0,0
821	0.26	0.71	0.0	94,94,0	0.20	0.0	0.0	94,0,0
822	0.14	0.36	0.0	94,94,0	0.0	0.0	0.0	0,0,0
849	0.16	0.70	0.0	96,93,0	0.0	0.0	0.0	0,0,0
850	0.14	0.53	0.0	96,96,0	0.0	0.0	0.0	0,0,0
851	0.12	0.51	0.0	93,96,0	0.0	0.0	0.0	0,0,0
852	0.16	0.43	0.0	94,93,0	0.0	0.0	0.0	0,0,0
853	0.16	0.41	0.0	93,93,0	0.0	0.0	0.0	0,0,0
854	0.07	0.30	0.0	93,96,0	0.0	0.0	0.0	0,0,0
855	0.07	0.30	0.0	93,96,0	0.0	0.0	0.0	0,0,0
856	0.07	0.25	0.0	93,96,0	0.0	0.0	0.0	0,0,0
857	0.11	0.33	0.0	94,94,0	0.0	0.0	0.0	0,0,0
858	0.07	0.25	0.0	91,89,0	0.0	0.0	0.0	0,0,0
859	0.07	0.24	0.0	91,89,0	0.0	0.0	0.0	0,0,0
860	0.12	0.27	0.0	93,88,0	0.0	0.0	0.0	0,0,0
861	0.05	0.22	0.0	94,91,0	0.0	0.0	0.0	0,0,0
862	0.05	0.16	0.0	94,96,0	0.0	0.0	0.0	0,0,0
863	0.05	0.15	0.0	94,91,0	0.0	0.0	0.0	0,0,0
864	0.16	0.41	0.0	94,94,0	0.0	0.0	0.0	0,0,0
865	0.16	0.33	0.0	93,93,0	0.0	0.0	0.0	0,0,0
866	0.07	0.22	0.0	88,89,0	0.0	0.0	0.0	0,0,0
867	0.06	0.33	0.0	89,89,0	0.0	0.0	0.0	0,0,0
868	0.11	0.49	0.0	95,94,0	0.0	0.0	0.0	0,0,0
869	0.25	0.69	0.0	89,94,0	0.20	0.0	0.0	94,0,0
870	0.15	0.38	0.0	89,94,0	0.0	0.0	0.0	0,0,0
885	0.06	0.28	0.0	91,96,0	0.0	0.0	0.0	0,0,0
886	0.20	0.60	0.0	88,93,0	0.12	0.0	0.0	93,0,0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
887	0.12	0.64	0.0	96,93,0	0.0	0.0	0.0	0,0,0
888	0.10	0.44	0.0	96,96,0	0.0	0.0	0.0	0,0,0
889	0.10	0.42	0.0	96,96,0	0.0	0.0	0.0	0,0,0
890	0.13	0.32	0.0	94,94,0	0.0	0.0	0.0	0,0,0
891	0.13	0.28	0.0	93,93,0	0.0	0.0	0.0	0,0,0
892	0.07	0.25	0.0	93,96,0	0.0	0.0	0.0	0,0,0
893	0.07	0.24	0.0	93,96,0	0.0	0.0	0.0	0,0,0
894	0.06	0.17	0.0	93,96,0	0.0	0.0	0.0	0,0,0
895	0.08	0.22	0.0	94,89,0	0.0	0.0	0.0	0,0,0
896	0.06	0.18	0.0	93,91,0	0.0	0.0	0.0	0,0,0
897	0.05	0.24	0.0	89,91,0	0.0	0.0	0.0	0,0,0
898	0.08	0.20	0.0	93,91,0	0.0	0.0	0.0	0,0,0
899	0.05	0.20	0.0	94,91,0	0.0	0.0	0.0	0,0,0
900	0.05	0.18	0.0	94,96,0	0.0	0.0	0.0	0,0,0
901	0.05	0.17	0.0	94,91,0	0.0	0.0	0.0	0,0,0
902	0.12	0.33	0.0	94,94,0	0.0	0.0	0.0	0,0,0
903	0.12	0.24	0.0	93,93,0	0.0	0.0	0.0	0,0,0
904	0.04	0.16	0.0	88,89,0	0.0	0.0	0.0	0,0,0
905	0.05	0.26	0.0	89,89,0	0.0	0.0	0.0	0,0,0
906	0.08	0.38	0.0	95,94,0	0.0	0.0	0.0	0,0,0
907	0.20	0.52	0.0	89,89,0	0.0	0.0	0.0	0,0,0
908	0.17	0.42	0.0	89,94,0	0.0	0.0	0.0	0,0,0
923	0.07	0.25	0.0	91,96,0	0.0	0.0	0.0	0,0,0
924	0.08	0.28	0.0	88,95,0	0.0	0.0	0.0	0,0,0
925	0.10	0.41	0.0	96,96,0	0.0	0.0	0.0	0,0,0
926	0.09	0.43	0.0	96,96,0	0.0	0.0	0.0	0,0,0
927	0.08	0.37	0.0	96,96,0	0.0	0.0	0.0	0,0,0
928	0.07	0.21	0.0	94,96,0	0.0	0.0	0.0	0,0,0
929	0.06	0.27	0.0	93,96,0	0.0	0.0	0.0	0,0,0
930	0.06	0.30	0.0	93,96,0	0.0	0.0	0.0	0,0,0
931	0.06	0.25	0.0	93,96,0	0.0	0.0	0.0	0,0,0
932	0.05	0.13	0.0	96,96,0	0.0	0.0	0.0	0,0,0
933	0.06	0.18	0.0	96,89,0	0.0	0.0	0.0	0,0,0
934	0.05	0.14	0.0	93,91,0	0.0	0.0	0.0	0,0,0
935	0.04	0.15	0.0	96,89,0	0.0	0.0	0.0	0,0,0
936	0.03	0.17	0.0	93,89,0	0.0	0.0	0.0	0,0,0
937	0.03	0.19	0.0	94,91,0	0.0	0.0	0.0	0,0,0
938	0.05	0.22	0.0	94,91,0	0.0	0.0	0.0	0,0,0
939	0.05	0.23	0.0	94,91,0	0.0	0.0	0.0	0,0,0
940	0.06	0.32	0.0	94,91,0	0.0	0.0	0.0	0,0,0
941	0.07	0.27	0.0	93,91,0	0.0	0.0	0.0	0,0,0
942	0.02	0.27	0.0	91,91,0	0.0	0.0	0.0	0,0,0
943	0.04	0.21	0.0	89,91,0	0.0	0.0	0.0	0,0,0
944	0.08	0.31	0.0	89,89,0	0.0	0.0	0.0	0,0,0
945	0.15	0.43	0.0	89,89,0	0.0	0.0	0.0	0,0,0
946	0.16	0.37	0.0	89,89,0	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck		wR	wF	wP	
	0.27	0.74	0.0		0.21	0.0	0.0	

3.10.2 PARETI VASCHE

Le pareti della vasche di dissabbiatura hanno spessore 40 cm e 30 cm, sono variamente inclinate e hanno talvolta aperture lungo la loro altezza.



3.10.2.1 MODELLAZIONE STRUTTURA: NODI

TABELLA DATI NODI

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
310	1684.0	260.0	200.0	311	1764.0	260.0	200.0	312	1844.0	260.0	200.0
313	1924.0	260.0	200.0	314	2004.0	260.0	200.0	315	2084.0	260.0	200.0
316	2164.0	260.0	200.0	317	2244.0	260.0	200.0	318	2324.0	260.0	200.0
322	2624.0	260.0	200.0	323	2704.0	260.0	200.0	324	2784.0	260.0	200.0
325	2864.0	260.0	200.0	326	2944.0	260.0	200.0	327	3024.0	260.0	200.0
328	3104.0	260.0	200.0	329	3184.0	260.0	200.0	330	3264.0	260.0	200.0
361	1684.0	361.3	200.0	365	2004.0	361.3	200.0	369	2324.0	361.3	200.0
373	2624.0	361.3	200.0	377	2944.0	361.3	200.0	381	3264.0	361.3	200.0
412	1684.0	462.5	200.0	416	2004.0	462.5	200.0	420	2324.0	462.5	200.0
424	2624.0	462.5	200.0	428	2944.0	462.5	200.0	432	3264.0	462.5	200.0
463	1684.0	563.8	200.0	467	2004.0	563.8	200.0	471	2324.0	563.8	200.0
475	2624.0	563.8	200.0	479	2944.0	563.8	200.0	483	3264.0	563.8	200.0
502	1684.0	665.0	200.0	506	2004.0	665.0	200.0	510	2324.0	665.0	200.0
514	2624.0	665.0	200.0	518	2944.0	665.0	200.0	522	3264.0	665.0	200.0
555	1684.0	766.3	200.0	559	2004.0	766.3	200.0	563	2324.0	766.3	200.0
567	2624.0	766.3	200.0	571	2944.0	766.3	200.0	575	3264.0	766.3	200.0
594	1684.0	867.5	200.0	598	2004.0	867.5	200.0	602	2324.0	867.5	200.0
606	2624.0	867.5	200.0	610	2944.0	867.5	200.0	614	3264.0	867.5	200.0
633	1684.0	968.8	200.0	637	2004.0	968.8	200.0	641	2324.0	968.8	200.0
645	2624.0	968.8	200.0	649	2944.0	968.8	200.0	653	3264.0	968.8	200.0
672	1684.0	1070.0	200.0	676	2004.0	1070.0	200.0	680	2324.0	1070.0	200.0
684	2624.0	1070.0	200.0	688	2944.0	1070.0	200.0	692	3264.0	1070.0	200.0
711	1684.0	1171.3	200.0	715	2004.0	1171.3	200.0	719	2324.0	1171.3	200.0
723	2624.0	1171.3	200.0	727	2944.0	1171.3	200.0	731	3264.0	1171.3	200.0
750	1684.0	1272.5	200.0	754	2004.0	1272.5	200.0	758	2324.0	1272.5	200.0
762	2624.0	1272.5	200.0	766	2944.0	1272.5	200.0	770	3264.0	1272.5	200.0
775	1684.0	1373.8	200.0	779	2004.0	1373.8	200.0	783	2324.0	1373.8	200.0
787	2624.0	1373.8	200.0	791	2944.0	1373.8	200.0	795	3264.0	1373.8	200.0

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
814	1684.0	1475.0	200.0	818	2004.0	1475.0	200.0	822	2324.0	1475.0	200.0
826	2624.0	1475.0	200.0	830	2944.0	1475.0	200.0	834	3264.0	1475.0	200.0
863	1684.0	1576.3	200.0	867	2004.0	1576.3	200.0	871	2324.0	1576.3	200.0
875	2624.0	1576.3	200.0	879	2944.0	1576.3	200.0	883	3264.0	1576.3	200.0
914	1534.0	1677.5	200.0	916	1684.0	1677.5	200.0	920	2004.0	1677.5	200.0
924	2324.0	1677.5	200.0	926	2474.0	1677.5	200.0	928	2624.0	1677.5	200.0
932	2944.0	1677.5	200.0	936	3264.0	1677.5	200.0	938	3414.0	1677.5	200.0
955	1534.0	1778.8	200.0	957	1684.0	1778.8	200.0	961	2004.0	1778.8	200.0
965	2324.0	1778.8	200.0	967	2474.0	1778.8	200.0	969	2624.0	1778.8	200.0
973	2944.0	1778.8	200.0	977	3264.0	1778.8	200.0	979	3414.0	1778.8	200.0
996	1534.0	1880.0	200.0	998	1684.0	1880.0	200.0	999	1764.0	1880.0	200.0
1000	1844.0	1880.0	200.0	1001	1924.0	1880.0	200.0	1002	2004.0	1880.0	200.0
1003	2084.0	1880.0	200.0	1004	2164.0	1880.0	200.0	1005	2244.0	1880.0	200.0
1006	2324.0	1880.0	200.0	1008	2474.0	1880.0	200.0	1010	2624.0	1880.0	200.0
1011	2704.0	1880.0	200.0	1012	2784.0	1880.0	200.0	1013	2864.0	1880.0	200.0
1014	2944.0	1880.0	200.0	1015	3024.0	1880.0	200.0	1016	3104.0	1880.0	200.0
1017	3184.0	1880.0	200.0	1018	3264.0	1880.0	200.0	1020	3414.0	1880.0	200.0
1063	1684.0	260.0	290.0	1064	1764.0	260.0	290.0	1065	1844.0	260.0	290.0
1066	1924.0	260.0	290.0	1067	2004.0	260.0	290.0	1068	2084.0	260.0	290.0
1069	2164.0	260.0	290.0	1070	2244.0	260.0	290.0	1071	2324.0	260.0	290.0
1072	2624.0	260.0	290.0	1073	2704.0	260.0	290.0	1074	2784.0	260.0	290.0
1075	2864.0	260.0	290.0	1076	2944.0	260.0	290.0	1077	3024.0	260.0	290.0
1078	3104.0	260.0	290.0	1079	3184.0	260.0	290.0	1080	3264.0	260.0	290.0
1081	1684.0	361.3	290.0	1082	2004.0	361.3	290.0	1083	2324.0	361.3	290.0
1084	2624.0	361.3	290.0	1085	2944.0	361.3	290.0	1086	3264.0	361.3	290.0
1087	1684.0	462.5	290.0	1088	2004.0	462.5	290.0	1089	2324.0	462.5	290.0
1090	2624.0	462.5	290.0	1091	2944.0	462.5	290.0	1092	3264.0	462.5	290.0
1093	1684.0	563.8	290.0	1094	2004.0	563.8	290.0	1095	2324.0	563.8	290.0
1096	2624.0	563.8	290.0	1097	2944.0	563.8	290.0	1098	3264.0	563.8	290.0
1099	1684.0	665.0	290.0	1100	2004.0	665.0	290.0	1101	2324.0	665.0	290.0
1102	2624.0	665.0	290.0	1103	2944.0	665.0	290.0	1104	3264.0	665.0	290.0
1114	1684.0	766.3	290.0	1115	2004.0	766.3	290.0	1116	2324.0	766.3	290.0
1117	2624.0	766.3	290.0	1118	2944.0	766.3	290.0	1119	3264.0	766.3	290.0
1122	1684.0	867.5	290.0	1123	2004.0	867.5	290.0	1124	2324.0	867.5	290.0
1125	2624.0	867.5	290.0	1126	2944.0	867.5	290.0	1127	3264.0	867.5	290.0
1130	1684.0	968.8	290.0	1131	2004.0	968.8	290.0	1132	2324.0	968.8	290.0
1133	2624.0	968.8	290.0	1134	2944.0	968.8	290.0	1135	3264.0	968.8	290.0
1138	1684.0	1070.0	290.0	1139	2004.0	1070.0	290.0	1140	2324.0	1070.0	290.0
1141	2624.0	1070.0	290.0	1142	2944.0	1070.0	290.0	1143	3264.0	1070.0	290.0
1146	1684.0	1171.3	290.0	1147	2004.0	1171.3	290.0	1148	2324.0	1171.3	290.0
1149	2624.0	1171.3	290.0	1150	2944.0	1171.3	290.0	1151	3264.0	1171.3	290.0
1154	1684.0	1272.5	290.0	1155	2004.0	1272.5	290.0	1156	2324.0	1272.5	290.0
1157	2624.0	1272.5	290.0	1158	2944.0	1272.5	290.0	1159	3264.0	1272.5	290.0
1160	1684.0	1373.8	290.0	1161	2004.0	1373.8	290.0	1162	2324.0	1373.8	290.0
1163	2624.0	1373.8	290.0	1164	2944.0	1373.8	290.0	1165	3264.0	1373.8	290.0
1168	1684.0	1475.0	290.0	1169	2004.0	1475.0	290.0	1170	2324.0	1475.0	290.0
1171	2624.0	1475.0	290.0	1172	2944.0	1475.0	290.0	1173	3264.0	1475.0	290.0
1183	1684.0	1576.3	290.0	1184	2004.0	1576.3	290.0	1185	2324.0	1576.3	290.0
1186	2624.0	1576.3	290.0	1187	2944.0	1576.3	290.0	1188	3264.0	1576.3	290.0
1189	1534.0	1677.5	290.0	1190	1684.0	1677.5	290.0	1191	2004.0	1677.5	290.0
1192	2324.0	1677.5	290.0	1193	2474.0	1677.5	290.0	1194	2624.0	1677.5	290.0
1195	2944.0	1677.5	290.0	1196	3264.0	1677.5	290.0	1197	3414.0	1677.5	290.0
1198	1534.0	1778.8	290.0	1199	1684.0	1778.8	290.0	1200	2004.0	1778.8	290.0
1201	2324.0	1778.8	290.0	1202	2474.0	1778.8	290.0	1203	2624.0	1778.8	290.0
1204	2944.0	1778.8	290.0	1205	3264.0	1778.8	290.0	1206	3414.0	1778.8	290.0
1207	1534.0	1880.0	290.0	1208	1684.0	1880.0	290.0	1209	1764.0	1880.0	290.0
1210	1844.0	1880.0	290.0	1211	1924.0	1880.0	290.0	1212	2004.0	1880.0	290.0
1213	2084.0	1880.0	290.0	1214	2164.0	1880.0	290.0	1215	2244.0	1880.0	290.0
1216	2324.0	1880.0	290.0	1217	2474.0	1880.0	290.0	1218	2624.0	1880.0	290.0
1219	2704.0	1880.0	290.0	1220	2784.0	1880.0	290.0	1221	2864.0	1880.0	290.0
1222	2944.0	1880.0	290.0	1223	3024.0	1880.0	290.0	1224	3104.0	1880.0	290.0
1225	3184.0	1880.0	290.0	1226	3264.0	1880.0	290.0	1227	3414.0	1880.0	290.0
1286	1684.0	260.0	380.0	1287	1764.0	260.0	380.0	1288	1844.0	260.0	380.0
1289	1924.0	260.0	380.0	1290	2004.0	260.0	380.0	1291	2084.0	260.0	380.0
1292	2164.0	260.0	380.0	1293	2244.0	260.0	380.0	1294	2324.0	260.0	380.0
1295	2624.0	260.0	380.0	1296	2704.0	260.0	380.0	1297	2784.0	260.0	380.0
1298	2864.0	260.0	380.0	1299	2944.0	260.0	380.0	1300	3024.0	260.0	380.0
1301	3104.0	260.0	380.0	1302	3184.0	260.0	380.0	1303	3264.0	260.0	380.0
1304	1684.0	361.3	380.0	1305	2004.0	361.3	380.0	1306	2324.0	361.3	380.0
1307	2624.0	361.3	380.0	1308	2944.0	361.3	380.0	1309	3264.0	361.3	380.0
1310	1684.0	462.5	380.0	1311	2004.0	462.5	380.0	1312	2324.0	462.5	380.0
1313	2624.0	462.5	380.0	1314	2944.0	462.5	380.0	1315	3264.0	462.5	380.0
1316	1684.0	563.8	380.0	1317	2004.0	563.8	380.0	1318	2324.0	563.8	380.0
1319	2624.0	563.8	380.0	1320	2944.0	563.8	380.0	1321	3264.0	563.8	380.0

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
1322	1684.0	665.0	380.0	1323	2004.0	665.0	380.0	1324	2324.0	665.0	380.0
1325	2624.0	665.0	380.0	1326	2944.0	665.0	380.0	1327	3264.0	665.0	380.0
1337	1684.0	766.3	380.0	1338	2004.0	766.3	380.0	1339	2324.0	766.3	380.0
1340	2624.0	766.3	380.0	1341	2944.0	766.3	380.0	1342	3264.0	766.3	380.0
1345	1684.0	867.5	380.0	1346	2004.0	867.5	380.0	1347	2324.0	867.5	380.0
1348	2624.0	867.5	380.0	1349	2944.0	867.5	380.0	1350	3264.0	867.5	380.0
1353	1684.0	968.8	380.0	1354	2004.0	968.8	380.0	1355	2324.0	968.8	380.0
1356	2624.0	968.8	380.0	1357	2944.0	968.8	380.0	1358	3264.0	968.8	380.0
1361	1684.0	1070.0	380.0	1362	2004.0	1070.0	380.0	1363	2324.0	1070.0	380.0
1364	2624.0	1070.0	380.0	1365	2944.0	1070.0	380.0	1366	3264.0	1070.0	380.0
1369	1684.0	1171.3	380.0	1370	2004.0	1171.3	380.0	1371	2324.0	1171.3	380.0
1372	2624.0	1171.3	380.0	1373	2944.0	1171.3	380.0	1374	3264.0	1171.3	380.0
1377	1684.0	1272.5	380.0	1378	2004.0	1272.5	380.0	1379	2324.0	1272.5	380.0
1380	2624.0	1272.5	380.0	1381	2944.0	1272.5	380.0	1382	3264.0	1272.5	380.0
1383	1684.0	1373.8	380.0	1384	2004.0	1373.8	380.0	1385	2324.0	1373.8	380.0
1386	2624.0	1373.8	380.0	1387	2944.0	1373.8	380.0	1388	3264.0	1373.8	380.0
1391	1684.0	1475.0	380.0	1392	2004.0	1475.0	380.0	1393	2324.0	1475.0	380.0
1394	2624.0	1475.0	380.0	1395	2944.0	1475.0	380.0	1396	3264.0	1475.0	380.0
1406	1684.0	1576.3	380.0	1407	2004.0	1576.3	380.0	1408	2324.0	1576.3	380.0
1409	2624.0	1576.3	380.0	1410	2944.0	1576.3	380.0	1411	3264.0	1576.3	380.0
1412	1534.0	1677.5	380.0	1413	1684.0	1677.5	380.0	1414	2004.0	1677.5	380.0
1415	2324.0	1677.5	380.0	1416	2474.0	1677.5	380.0	1417	2624.0	1677.5	380.0
1418	2944.0	1677.5	380.0	1419	3264.0	1677.5	380.0	1420	3414.0	1677.5	380.0
1421	1534.0	1778.8	380.0	1422	1684.0	1778.8	380.0	1423	2004.0	1778.8	380.0
1424	2324.0	1778.8	380.0	1425	2474.0	1778.8	380.0	1426	2624.0	1778.8	380.0
1427	2944.0	1778.8	380.0	1428	3264.0	1778.8	380.0	1429	3414.0	1778.8	380.0
1430	1534.0	1880.0	380.0	1431	1684.0	1880.0	380.0	1432	1764.0	1880.0	380.0
1433	1844.0	1880.0	380.0	1434	1924.0	1880.0	380.0	1435	2004.0	1880.0	380.0
1436	2084.0	1880.0	380.0	1437	2164.0	1880.0	380.0	1438	2244.0	1880.0	380.0
1439	2324.0	1880.0	380.0	1440	2474.0	1880.0	380.0	1441	2624.0	1880.0	380.0
1442	2704.0	1880.0	380.0	1443	2784.0	1880.0	380.0	1444	2864.0	1880.0	380.0
1445	2944.0	1880.0	380.0	1446	3024.0	1880.0	380.0	1447	3104.0	1880.0	380.0
1448	3184.0	1880.0	380.0	1449	3264.0	1880.0	380.0	1450	3414.0	1880.0	380.0
1509	1684.0	260.0	470.0	1510	1764.0	260.0	470.0	1511	1844.0	260.0	470.0
1512	1924.0	260.0	470.0	1513	2004.0	260.0	470.0	1514	2084.0	260.0	470.0
1515	2164.0	260.0	470.0	1516	2244.0	260.0	470.0	1517	2324.0	260.0	470.0
1518	2624.0	260.0	470.0	1519	2704.0	260.0	470.0	1520	2784.0	260.0	470.0
1521	2864.0	260.0	470.0	1522	2944.0	260.0	470.0	1523	3024.0	260.0	470.0
1524	3104.0	260.0	470.0	1525	3184.0	260.0	470.0	1526	3264.0	260.0	470.0
1527	1684.0	361.3	470.0	1528	2004.0	361.3	470.0	1529	2324.0	361.3	470.0
1530	2624.0	361.3	470.0	1531	2944.0	361.3	470.0	1532	3264.0	361.3	470.0
1533	1684.0	462.5	470.0	1534	2004.0	462.5	470.0	1535	2324.0	462.5	470.0
1536	2624.0	462.5	470.0	1537	2944.0	462.5	470.0	1538	3264.0	462.5	470.0
1539	1684.0	563.8	470.0	1540	2004.0	563.8	470.0	1541	2324.0	563.8	470.0
1542	2624.0	563.8	470.0	1543	2944.0	563.8	470.0	1544	3264.0	563.8	470.0
1545	1684.0	665.0	470.0	1546	2004.0	665.0	470.0	1547	2324.0	665.0	470.0
1548	2624.0	665.0	470.0	1549	2944.0	665.0	470.0	1550	3264.0	665.0	470.0
1560	1684.0	766.3	470.0	1561	2004.0	766.3	470.0	1562	2324.0	766.3	470.0
1563	2624.0	766.3	470.0	1564	2944.0	766.3	470.0	1565	3264.0	766.3	470.0
1568	1684.0	867.5	470.0	1569	2004.0	867.5	470.0	1570	2324.0	867.5	470.0
1571	2624.0	867.5	470.0	1572	2944.0	867.5	470.0	1573	3264.0	867.5	470.0
1576	1684.0	968.8	470.0	1577	2004.0	968.8	470.0	1578	2324.0	968.8	470.0
1579	2624.0	968.8	470.0	1580	2944.0	968.8	470.0	1581	3264.0	968.8	470.0
1584	1684.0	1070.0	470.0	1585	2004.0	1070.0	470.0	1586	2324.0	1070.0	470.0
1587	2624.0	1070.0	470.0	1588	2944.0	1070.0	470.0	1589	3264.0	1070.0	470.0
1592	1684.0	1171.3	470.0	1593	2004.0	1171.3	470.0	1594	2324.0	1171.3	470.0
1595	2624.0	1171.3	470.0	1596	2944.0	1171.3	470.0	1597	3264.0	1171.3	470.0
1600	1684.0	1272.5	470.0	1601	2004.0	1272.5	470.0	1602	2324.0	1272.5	470.0
1603	2624.0	1272.5	470.0	1604	2944.0	1272.5	470.0	1605	3264.0	1272.5	470.0
1606	1684.0	1373.8	470.0	1607	2004.0	1373.8	470.0	1608	2324.0	1373.8	470.0
1609	2624.0	1373.8	470.0	1610	2944.0	1373.8	470.0	1611	3264.0	1373.8	470.0
1614	1684.0	1475.0	470.0	1615	2004.0	1475.0	470.0	1616	2324.0	1475.0	470.0
1617	2624.0	1475.0	470.0	1618	2944.0	1475.0	470.0	1619	3264.0	1475.0	470.0
…											
4927	2004.0	1880.0	1090.0	4933	2474.0	1880.0	1090.0	4939	2944.0	1880.0	1090.0
4945	3414.0	1880.0	1090.0								

3.10.2.2 MODELLAZIONE STRUTTURA: ELEMENTI SHELL

TABELLA DATI SHELL

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
973	Setto	1063	1064	311	310	4	40.0		
974	Setto	1064	1065	312	311	4	40.0		
975	Setto	1065	1066	313	312	4	40.0		
976	Setto	1066	1067	314	313	4	40.0		
977	Setto	1067	1068	315	314	4	40.0		
978	Setto	1068	1069	316	315	4	40.0		
979	Setto	1069	1070	317	316	4	40.0		
980	Setto	1070	1071	318	317	4	40.0		
981	Setto	1072	1073	323	322	4	40.0		
982	Setto	1073	1074	324	323	4	40.0		
983	Setto	1074	1075	325	324	4	40.0		
984	Setto	1075	1076	326	325	4	40.0		
985	Setto	1076	1077	327	326	4	40.0		
986	Setto	1077	1078	328	327	4	40.0		
987	Setto	1078	1079	329	328	4	40.0		
988	Setto	1079	1080	330	329	4	40.0		
989	Setto	310	361	1081	1063	4	40.0		
990	Setto	314	365	1082	1067	4	40.0		
991	Setto	318	369	1083	1071	4	30.0		
992	Setto	322	373	1084	1072	4	30.0		
993	Setto	326	377	1085	1076	4	40.0		
994	Setto	330	381	1086	1080	4	40.0		
995	Setto	361	412	1087	1081	4	40.0		
996	Setto	365	416	1088	1082	4	40.0		
997	Setto	369	420	1089	1083	4	30.0		
998	Setto	373	424	1090	1084	4	30.0		
999	Setto	377	428	1091	1085	4	40.0		
1000	Setto	381	432	1092	1086	4	40.0		
1001	Setto	412	463	1093	1087	4	40.0		
1002	Setto	416	467	1094	1088	4	40.0		
1003	Setto	420	471	1095	1089	4	30.0		
1004	Setto	424	475	1096	1090	4	30.0		
1005	Setto	428	479	1097	1091	4	40.0		
1006	Setto	432	483	1098	1092	4	40.0		
1007	Setto	463	502	1099	1093	4	40.0		
1008	Setto	467	506	1100	1094	4	40.0		
1009	Setto	471	510	1101	1095	4	30.0		
1010	Setto	475	514	1102	1096	4	30.0		
1011	Setto	479	518	1103	1097	4	40.0		
1012	Setto	483	522	1104	1098	4	40.0		
1013	Setto	502	555	1114	1099	4	40.0		
1014	Setto	506	559	1115	1100	4	40.0		
1015	Setto	510	563	1116	1101	4	30.0		
1016	Setto	514	567	1117	1102	4	30.0		
1017	Setto	518	571	1118	1103	4	40.0		
1018	Setto	522	575	1119	1104	4	40.0		
1029	Setto	555	594	1122	1114	4	40.0		
1030	Setto	559	598	1123	1115	4	40.0		
1031	Setto	563	602	1124	1116	4	30.0		
1032	Setto	567	606	1125	1117	4	30.0		
1033	Setto	571	610	1126	1118	4	40.0		
1034	Setto	575	614	1127	1119	4	40.0		
1037	Setto	594	633	1130	1122	4	40.0		
1038	Setto	598	637	1131	1123	4	40.0		
1039	Setto	602	641	1132	1124	4	30.0		
1040	Setto	606	645	1133	1125	4	30.0		
1041	Setto	610	649	1134	1126	4	40.0		
1042	Setto	614	653	1135	1127	4	40.0		
1045	Setto	633	672	1138	1130	4	40.0		
1046	Setto	637	676	1139	1131	4	40.0		
1047	Setto	641	680	1140	1132	4	30.0		
1048	Setto	645	684	1141	1133	4	30.0		
1049	Setto	649	688	1142	1134	4	40.0		
1050	Setto	653	692	1143	1135	4	40.0		
1053	Setto	672	711	1146	1138	4	40.0		
1054	Setto	676	715	1147	1139	4	40.0		
1055	Setto	680	719	1148	1140	4	30.0		
1056	Setto	684	723	1149	1141	4	30.0		

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
1057	Setto	688	727	1150	1142	4	40.0		
1058	Setto	692	731	1151	1143	4	40.0		
1061	Setto	711	750	1154	1146	4	40.0		
1062	Setto	715	754	1155	1147	4	40.0		
1063	Setto	719	758	1156	1148	4	30.0		
1064	Setto	723	762	1157	1149	4	30.0		
1065	Setto	727	766	1158	1150	4	40.0		
1066	Setto	731	770	1159	1151	4	40.0		
1067	Setto	750	775	1160	1154	4	40.0		
1068	Setto	754	779	1161	1155	4	40.0		
1069	Setto	758	783	1162	1156	4	30.0		
1070	Setto	762	787	1163	1157	4	30.0		
1071	Setto	766	791	1164	1158	4	40.0		
1072	Setto	770	795	1165	1159	4	40.0		
1075	Setto	775	814	1168	1160	4	40.0		
1076	Setto	779	818	1169	1161	4	40.0		
1077	Setto	783	822	1170	1162	4	30.0		
1078	Setto	787	826	1171	1163	4	30.0		
1079	Setto	791	830	1172	1164	4	40.0		
1080	Setto	795	834	1173	1165	4	40.0		
1091	Setto	814	863	1183	1168	4	40.0		
1092	Setto	818	867	1184	1169	4	40.0		
1093	Setto	822	871	1185	1170	4	30.0		
1094	Setto	826	875	1186	1171	4	30.0		
1095	Setto	830	879	1187	1172	4	40.0		
1096	Setto	834	883	1188	1173	4	40.0		
1097	Setto	863	916	1190	1183	4	40.0		
1098	Setto	867	920	1191	1184	4	40.0		
1099	Setto	871	924	1192	1185	4	30.0		
1100	Setto	875	928	1194	1186	4	30.0		
1101	Setto	879	932	1195	1187	4	40.0		
1102	Setto	883	936	1196	1188	4	40.0		
1103	Setto	914	955	1198	1189	4	30.0		
1104	Setto	916	957	1199	1190	4	40.0		
1105	Setto	920	961	1200	1191	4	40.0		
1106	Setto	924	965	1201	1192	4	30.0		
1107	Setto	926	967	1202	1193	4	40.0		
1108	Setto	928	969	1203	1194	4	30.0		
1109	Setto	932	973	1204	1195	4	40.0		
1110	Setto	936	977	1205	1196	4	40.0		
1111	Setto	938	979	1206	1197	4	30.0		
1112	Setto	955	996	1207	1198	4	30.0		
1113	Setto	957	998	1208	1199	4	40.0		
1114	Setto	961	1002	1212	1200	4	40.0		
1115	Setto	965	1006	1216	1201	4	30.0		
1116	Setto	967	1008	1217	1202	4	40.0		
1117	Setto	969	1010	1218	1203	4	30.0		
1118	Setto	973	1014	1222	1204	4	40.0		
1119	Setto	977	1018	1226	1205	4	40.0		
1120	Setto	979	1020	1227	1206	4	30.0		
1121	Setto	1208	1209	999	998	4	30.0		
1122	Setto	1209	1210	1000	999	4	30.0		
1123	Setto	1210	1211	1001	1000	4	30.0		
1124	Setto	1211	1212	1002	1001	4	30.0		
1125	Setto	1212	1213	1003	1002	4	30.0		
1126	Setto	1213	1214	1004	1003	4	30.0		
1127	Setto	1214	1215	1005	1004	4	30.0		
1128	Setto	1215	1216	1006	1005	4	30.0		
1129	Setto	1218	1219	1011	1010	4	30.0		
1130	Setto	1219	1220	1012	1011	4	30.0		
1131	Setto	1220	1221	1013	1012	4	30.0		
1132	Setto	1221	1222	1014	1013	4	30.0		
1133	Setto	1222	1223	1015	1014	4	30.0		
1134	Setto	1223	1224	1016	1015	4	30.0		
1135	Setto	1224	1225	1017	1016	4	30.0		
1136	Setto	1225	1226	1018	1017	4	30.0		
1191	Setto	1286	1287	1064	1063	4	40.0		
1192	Setto	1287	1288	1065	1064	4	40.0		
1193	Setto	1288	1289	1066	1065	4	40.0		
1194	Setto	1289	1290	1067	1066	4	40.0		
1195	Setto	1290	1291	1068	1067	4	40.0		
1196	Setto	1291	1292	1069	1068	4	40.0		
1197	Setto	1292	1293	1070	1069	4	40.0		
1198	Setto	1293	1294	1071	1070	4	40.0		

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
1199	Setto	1295	1296	1073	1072	4	40.0		
1200	Setto	1296	1297	1074	1073	4	40.0		
1201	Setto	1297	1298	1075	1074	4	40.0		
1202	Setto	1298	1299	1076	1075	4	40.0		
1203	Setto	1299	1300	1077	1076	4	40.0		
1204	Setto	1300	1301	1078	1077	4	40.0		
1205	Setto	1301	1302	1079	1078	4	40.0		
1206	Setto	1302	1303	1080	1079	4	40.0		
1207	Setto	1063	1081	1304	1286	4	40.0		
1208	Setto	1067	1082	1305	1290	4	40.0		
1209	Setto	1071	1083	1306	1294	4	30.0		
1210	Setto	1072	1084	1307	1295	4	30.0		
1211	Setto	1076	1085	1308	1299	4	40.0		
1212	Setto	1080	1086	1309	1303	4	40.0		
1213	Setto	1081	1087	1310	1304	4	40.0		
1214	Setto	1082	1088	1311	1305	4	40.0		
1215	Setto	1083	1089	1312	1306	4	30.0		
1216	Setto	1084	1090	1313	1307	4	30.0		
1217	Setto	1085	1091	1314	1308	4	40.0		
1218	Setto	1086	1092	1315	1309	4	40.0		
1219	Setto	1087	1093	1316	1310	4	40.0		
1220	Setto	1088	1094	1317	1311	4	40.0		
1221	Setto	1089	1095	1318	1312	4	30.0		
1222	Setto	1090	1096	1319	1313	4	30.0		
1223	Setto	1091	1097	1320	1314	4	40.0		
1224	Setto	1092	1098	1321	1315	4	40.0		
1225	Setto	1093	1099	1322	1316	4	40.0		
1226	Setto	1094	1100	1323	1317	4	40.0		
1227	Setto	1095	1101	1324	1318	4	30.0		
1228	Setto	1096	1102	1325	1319	4	30.0		
1229	Setto	1097	1103	1326	1320	4	40.0		
1230	Setto	1098	1104	1327	1321	4	40.0		
1231	Setto	1099	1114	1337	1322	4	40.0		
1232	Setto	1100	1115	1338	1323	4	40.0		
1233	Setto	1101	1116	1339	1324	4	30.0		
1234	Setto	1102	1117	1340	1325	4	30.0		
1235	Setto	1103	1118	1341	1326	4	40.0		
1236	Setto	1104	1119	1342	1327	4	40.0		
1247	Setto	1114	1122	1345	1337	4	40.0		
1248	Setto	1115	1123	1346	1338	4	40.0		
1249	Setto	1116	1124	1347	1339	4	30.0		
1250	Setto	1117	1125	1348	1340	4	30.0		
1251	Setto	1118	1126	1349	1341	4	40.0		
1252	Setto	1119	1127	1350	1342	4	40.0		
1255	Setto	1122	1130	1353	1345	4	40.0		
1256	Setto	1123	1131	1354	1346	4	40.0		
1257	Setto	1124	1132	1355	1347	4	30.0		
1258	Setto	1125	1133	1356	1348	4	30.0		
1259	Setto	1126	1134	1357	1349	4	40.0		
1260	Setto	1127	1135	1358	1350	4	40.0		
1263	Setto	1130	1138	1361	1353	4	40.0		
1264	Setto	1131	1139	1362	1354	4	40.0		
1265	Setto	1132	1140	1363	1355	4	30.0		
1266	Setto	1133	1141	1364	1356	4	30.0		
1267	Setto	1134	1142	1365	1357	4	40.0		
1268	Setto	1135	1143	1366	1358	4	40.0		
1271	Setto	1138	1146	1369	1361	4	40.0		
1272	Setto	1139	1147	1370	1362	4	40.0		
1273	Setto	1140	1148	1371	1363	4	30.0		
1274	Setto	1141	1149	1372	1364	4	30.0		
1275	Setto	1142	1150	1373	1365	4	40.0		
1276	Setto	1143	1151	1374	1366	4	40.0		
1279	Setto	1146	1154	1377	1369	4	40.0		
1280	Setto	1147	1155	1378	1370	4	40.0		
1281	Setto	1148	1156	1379	1371	4	30.0		
1282	Setto	1149	1157	1380	1372	4	30.0		
1283	Setto	1150	1158	1381	1373	4	40.0		
1284	Setto	1151	1159	1382	1374	4	40.0		
1285	Setto	1154	1160	1383	1377	4	40.0		
1286	Setto	1155	1161	1384	1378	4	40.0		
1287	Setto	1156	1162	1385	1379	4	30.0		
1288	Setto	1157	1163	1386	1380	4	30.0		
1289	Setto	1158	1164	1387	1381	4	40.0		
1290	Setto	1159	1165	1388	1382	4	40.0		

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
1293	Setto	1160	1168	1391	1383	4	40.0		
1294	Setto	1161	1169	1392	1384	4	40.0		
1295	Setto	1162	1170	1393	1385	4	30.0		
1296	Setto	1163	1171	1394	1386	4	30.0		
1297	Setto	1164	1172	1395	1387	4	40.0		
1298	Setto	1165	1173	1396	1388	4	40.0		
1309	Setto	1168	1183	1406	1391	4	40.0		
1310	Setto	1169	1184	1407	1392	4	40.0		
1311	Setto	1170	1185	1408	1393	4	30.0		
1312	Setto	1171	1186	1409	1394	4	30.0		
1313	Setto	1172	1187	1410	1395	4	40.0		
1314	Setto	1173	1188	1411	1396	4	40.0		
1315	Setto	1183	1190	1413	1406	4	40.0		
1316	Setto	1184	1191	1414	1407	4	40.0		
1317	Setto	1185	1192	1415	1408	4	30.0		
1318	Setto	1186	1194	1417	1409	4	30.0		
1319	Setto	1187	1195	1418	1410	4	40.0		
1320	Setto	1188	1196	1419	1411	4	40.0		
1321	Setto	1189	1198	1421	1412	4	30.0		
1322	Setto	1190	1199	1422	1413	4	40.0		
1323	Setto	1191	1200	1423	1414	4	40.0		
1324	Setto	1192	1201	1424	1415	4	30.0		
1325	Setto	1193	1202	1425	1416	4	40.0		
1326	Setto	1194	1203	1426	1417	4	30.0		
1327	Setto	1195	1204	1427	1418	4	40.0		
1328	Setto	1196	1205	1428	1419	4	40.0		
1329	Setto	1197	1206	1429	1420	4	30.0		
1330	Setto	1198	1207	1430	1421	4	30.0		
1331	Setto	1199	1208	1431	1422	4	40.0		
1332	Setto	1200	1212	1435	1423	4	40.0		
1333	Setto	1201	1216	1439	1424	4	30.0		
1334	Setto	1202	1217	1440	1425	4	40.0		
1335	Setto	1203	1218	1441	1426	4	30.0		
1336	Setto	1204	1222	1445	1427	4	40.0		
1337	Setto	1205	1226	1449	1428	4	40.0		
1338	Setto	1206	1227	1450	1429	4	30.0		
1339	Setto	1431	1432	1209	1208	4	30.0		
1340	Setto	1432	1433	1210	1209	4	30.0		
1341	Setto	1433	1434	1211	1210	4	30.0		
1342	Setto	1434	1435	1212	1211	4	30.0		
1343	Setto	1435	1436	1213	1212	4	30.0		
1344	Setto	1436	1437	1214	1213	4	30.0		
1345	Setto	1437	1438	1215	1214	4	30.0		
1346	Setto	1438	1439	1216	1215	4	30.0		
1347	Setto	1441	1442	1219	1218	4	30.0		
1348	Setto	1442	1443	1220	1219	4	30.0		
1349	Setto	1443	1444	1221	1220	4	30.0		
1350	Setto	1444	1445	1222	1221	4	30.0		
1351	Setto	1445	1446	1223	1222	4	30.0		
1352	Setto	1446	1447	1224	1223	4	30.0		
1353	Setto	1447	1448	1225	1224	4	30.0		
1354	Setto	1448	1449	1226	1225	4	30.0		
1409	Setto	1509	1510	1287	1286	4	40.0		
1410	Setto	1510	1511	1288	1287	4	40.0		
1411	Setto	1511	1512	1289	1288	4	40.0		
1412	Setto	1512	1513	1290	1289	4	40.0		
1413	Setto	1513	1514	1291	1290	4	40.0		
1414	Setto	1514	1515	1292	1291	4	40.0		
1415	Setto	1515	1516	1293	1292	4	40.0		
1416	Setto	1516	1517	1294	1293	4	40.0		
1417	Setto	1518	1519	1296	1295	4	40.0		
1418	Setto	1519	1520	1297	1296	4	40.0		
1419	Setto	1520	1521	1298	1297	4	40.0		
1420	Setto	1521	1522	1299	1298	4	40.0		
1421	Setto	1522	1523	1300	1299	4	40.0		
1422	Setto	1523	1524	1301	1300	4	40.0		
1423	Setto	1524	1525	1302	1301	4	40.0		
1424	Setto	1525	1526	1303	1302	4	40.0		
1425	Setto	1286	1304	1527	1509	4	40.0		
…									
4632	Setto	4257	4284	4945	4916	4	30.0		

3.10.2.3 VERIFICHE ELEMENTI PARETE E GUSCIO IN C.A.

TABELLA VERIFICHE ELEMENTI PARETE IN C.A.

M_S	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
11	ok 310	0.10	0.1	1.68e-02	10.1	10.1	7.7	7.7	169.5	-60.7	84.6	-379.0	700.4	80.9
11	ok 311	0.10	0.2	5.76e-02	10.1	10.1	7.7	7.7	-135.8	-171.2	122.0	1461.9	532.7	1263.1
11	ok 312	0.10	0.2	7.32e-02	10.1	10.1	7.7	7.7	-188.0	-212.2	225.4	2309.1	324.7	533.2
11	ok 313	0.10	0.2	7.97e-02	10.1	10.1	7.7	7.7	-183.5	-304.1	-185.5	-684.4	-270.1	76.7
11	ok 314	0.10	0.2	8.49e-02	10.1	10.1	7.7	7.7	-44.9	-410.7	-237.0	-1700.1	899.3	483.7
11	ok 315	0.10	0.4	8.63e-02	10.1	10.1	7.7	7.7	16.8	-184.7	348.1	3048.8	542.6	658.7
11	ok 316	0.10	0.5	9.02e-02	10.1	10.1	7.7	7.7	18.6	-229.1	431.8	3682.8	480.7	134.2
11	ok 317	0.10	0.2	0.1	10.1	10.1	7.7	7.7	18.9	-317.9	453.0	1508.4	133.2	-282.8
11	ok 318	0.10	0.2	0.2	10.1	10.1	7.7	7.7	-478.9	-662.6	598.4	-2533.3	-730.1	-507.3
11	ok 322	0.10	0.3	0.2	10.1	10.1	7.7	7.7	-525.2	-641.9	-656.9	-3490.5	-791.3	311.5
11	ok 323	0.10	0.4	9.64e-02	10.1	10.1	7.7	7.7	31.2	-181.9	-515.5	300.7	-149.3	86.1
11	ok 324	0.11	0.7	8.06e-02	10.1	10.8	7.7	8.4	51.6	-9.0	-525.4	2720.5	238.8	-162.9
11	ok 325	0.11	0.8	7.25e-02	10.1	12.3	7.7	10.0	61.9	94.4	-533.8	2796.0	618.3	-526.2
11	ok 326	0.11	0.8	6.17e-02	10.4	11.2	8.0	8.9	28.3	235.1	-453.8	716.8	908.2	-174.2
11	ok 327	0.11	0.8	7.33e-02	11.1	12.4	8.7	10.0	-40.1	298.1	-504.9	808.0	263.1	158.3
11	ok 328	0.11	0.8	7.52e-02	11.7	13.2	9.3	10.8	-48.0	377.6	-523.5	1285.9	142.4	-393.4
11	ok 329	0.12	0.8	8.63e-02	12.9	15.5	10.5	13.1	428.7	-250.8	473.2	2819.6	196.6	457.0
11	ok 330	0.12	0.8	0.2	14.0	15.7	11.7	14.7	-479.6	-721.1	682.0	-3344.4	-1117.0	-91.0
11	ok 1063	0.11	0.9	3.15e-02	10.1	11.8	7.7	9.4	195.3	140.3	172.6	710.0	5808.4	-584.1
11	ok 1064	0.10	0.3	5.89e-02	10.1	10.1	7.7	7.7	-76.5	93.1	160.0	-1877.7	72.0	1080.4
11	ok 1065	0.10	0.4	7.22e-02	10.1	10.1	7.7	7.7	-141.5	44.6	274.9	-1929.1	-1327.5	1082.9
11	ok 1066	0.10	0.4	7.59e-02	10.1	10.1	7.7	7.7	-105.8	7.7	355.9	-1629.7	-1084.7	183.7
11	ok 1067	0.10	0.7	7.41e-02	10.1	10.1	7.7	7.7	-61.2	-19.8	381.4	558.5	3023.2	1693.0
11	ok 1068	0.10	0.3	7.31e-02	10.1	10.1	7.7	7.7	-193.0	-91.8	-307.7	-1986.0	-860.8	1324.8
11	ok 1069	0.10	0.6	7.92e-02	10.1	10.1	7.7	7.7	-133.5	-105.1	335.3	-3425.5	-3135.6	-314.6
11	ok 1070	0.11	0.8	0.1	11.5	10.1	9.1	7.7	-133.0	-87.4	539.2	-2263.5	-1504.4	-1852.8
11	ok 1071	0.10	0.7	7.34e-02	10.1	10.6	7.7	8.3	-138.5	131.8	-150.9	-80.2	3199.1	-188.1
11	ok 1072	0.11	0.8	0.1	10.1	11.9	7.7	9.5	-80.1	62.0	-471.7	2.8	2990.9	-535.1
11	ok 1073	0.11	0.8	0.1	13.2	10.1	10.8	7.7	-60.6	-67.2	-685.5	-1952.4	-1228.0	1419.4
11	ok 1074	0.11	0.9	9.05e-02	13.3	10.1	10.9	7.7	59.9	62.2	-583.8	-2093.9	-1686.9	303.9
11	ok 1075	0.11	0.6	8.40e-02	12.5	11.8	10.1	9.4	57.0	168.5	-564.8	-1210.9	-1451.5	-1144.2
11	ok 1076	0.11	0.9	8.27e-02	10.1	14.4	7.7	12.0	36.1	186.0	-622.9	-230.1	2038.4	-1260.2
11	ok 1077	0.11	0.8	8.53e-02	12.6	11.0	10.3	8.6	-38.3	149.8	-550.1	-1755.6	-863.8	446.7
11	ok 1078	0.11	0.8	9.38e-02	12.7	10.7	10.4	8.3	-84.7	206.1	-545.4	-2109.8	-1419.6	-212.8
11	ok 1079	0.12	0.8	0.1	14.3	11.0	12.0	8.6	115.4	-247.1	721.9	-2276.1	-2029.4	-1401.0
11	ok 1080	0.11	0.8	0.1	10.9	12.2	8.5	9.8	-224.4	-91.2	716.8	-1035.7	-690.8	-580.4
11	ok 1286	0.12	0.9	3.99e-02	10.1	12.1	7.7	15.9	271.3	213.9	46.0	2266.5	1.389e+04	-993.0
11	ok 1287	0.10	0.8	6.89e-02	10.1	10.2	7.7	7.8	-219.5	130.6	347.7	-265.9	1290.0	468.1
11	ok 1288	0.10	0.6	7.43e-02	10.1	10.1	7.7	7.7	-232.0	133.6	358.8	-885.0	-1848.8	743.6
11	ok 1289	0.10	0.4	7.03e-02	10.1	10.1	7.7	7.7	-170.1	119.8	390.9	-564.2	-472.7	776.2
11	ok 1290	0.11	0.9	6.17e-02	10.1	13.4	7.7	11.0	-98.4	105.8	370.4	836.7	5795.4	1494.6
11	ok 1291	0.10	0.6	6.70e-02	10.1	10.1	7.7	7.7	-55.3	72.2	359.9	-1607.4	-3639.5	514.0
11	ok 1292	0.11	0.8	7.87e-02	11.5	10.1	9.1	7.7	-37.8	103.3	385.9	-1895.8	-3908.5	-533.2
11	ok 1293	0.10	0.7	8.59e-02	10.1	10.1	7.7	7.7	-393.2	67.0	-301.0	-1267.1	-2413.8	568.7
11	ok 1294	0.12	0.8	7.20e-02	10.1	15.0	7.7	12.8	-404.5	102.2	-156.9	644.1	3027.1	-295.5
11	ok 1295	0.12	0.9	8.00e-02	10.1	17.3	7.7	14.9	-2.4	172.2	-600.2	1357.5	7598.6	-225.2
11	ok 1296	0.11	0.8	8.64e-02	13.2	10.8	10.8	8.5	31.4	181.6	-613.2	-812.4	-291.3	799.3
11	ok 1297	0.12	0.9	8.44e-02	15.5	10.1	13.1	7.7	58.1	148.0	-637.5	-1768.9	-3142.9	733.2
11	ok 1298	0.11	0.9	8.35e-02	14.2	10.1	11.8	7.8	49.7	159.0	-622.5	-1342.4	-3120.5	-371.1
11	ok 1299	0.12	0.9	8.63e-02	10.1	15.6	7.8	15.2	60.4	205.5	-578.1	774.8	5550.6	-1222.9
11	ok 1300	0.11	0.7	8.48e-02	12.1	11.3	9.7	8.9	51.8	47.0	589.7	-1603.8	-2618.9	494.2
11	ok 1301	0.12	0.9	8.95e-02	15.0	10.1	12.6	7.7	93.7	58.3	650.9	-2164.7	-3644.2	-373.5
11	ok 1302	0.11	0.9	8.97e-02	14.0	10.5	11.7	8.2	123.7	110.6	634.5	-1339.1	-1624.4	-423.9
11	ok 1303	0.12	0.9	8.68e-02	10.1	16.4	7.7	14.0	72.5	129.7	640.4	954.2	5655.8	543.0
11	ok 1509	0.15	1.0	6.31e-02	10.1	11.6	7.7	24.3	221.2	247.9	-92.6	4812.8	1.953e+04	-251.0
11	ok 1510	0.11	0.9	9.30e-02	10.1	13.6	7.7	13.0	-320.1	156.4	341.8	1959.8	2210.4	669.0
11	ok 1511	0.10	0.7	7.83e-02	10.1	10.1	7.7	7.7	-226.5	100.3	396.7	915.0	-1572.5	325.9
11	ok 1512	0.10	0.7	6.85e-02	10.1	10.1	7.7	7.7	-122.4	85.8	310.1	-142.1	-2215.5	604.3
11	ok 1513	0.11	0.9	6.08e-02	10.1	13.5	7.7	12.8	-71.1	195.5	391.6	1303.5	6957.9	931.1
11	ok 1514	0.11	0.8	5.43e-02	11.1	10.1	8.8	7.7	-80.9	160.5	288.8	-1710.7	-4575.1	25.5
11	ok 1515	0.11	0.8	7.50e-02	12.4	10.1	10.0	7.7	-46.8	221.5	343.2	-1600.3	-4447.5	-286.4
11	ok 1516	0.10	0.7	0.1	10.4	10.1	8.1	7.7	-508.8	-109.9	-394.8	-2273.2	-3997.3	1654.6

M_S	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
11	ok 1517	0.11	0.8	0.1	10.1	14.0	7.7	13.0	-829.5	31.2	-180.3	-559.2	-1322.9	123.2
11	ok 1518	0.12	0.9	0.1	10.1	17.6	7.7	16.1	209.1	-149.1	-473.1	1599.8	8945.0	232.0
11	ok 1519	0.13	0.6	0.1	16.4	17.0	14.1	14.7	237.3	326.0	-773.1	907.2	1034.2	664.1
11	ok 1520	0.12	0.9	7.93e-02	16.4	11.1	14.3	8.7	42.1	323.9	-594.6	-1374.9	-3471.7	374.3
11	ok 1521	0.12	0.9	7.10e-02	15.5	10.1	13.1	7.7	19.2	246.6	-541.6	-1476.2	-4138.8	87.5
11	ok 1522	0.12	0.9	7.25e-02	11.2	14.2	8.9	16.9	5.0	222.5	-562.5	1367.2	7613.1	-854.8
11	ok 1523	0.11	0.8	7.91e-02	13.5	11.1	11.2	8.8	-5.9	189.7	490.9	-1479.6	-3507.3	60.4
11	ok 1524	0.12	0.9	9.14e-02	16.2	10.1	13.8	7.7	25.5	293.1	581.7	-1583.9	-4141.5	-70.3
11	ok 1525	0.12	0.6	0.1	16.0	16.1	13.7	13.8	194.8	291.5	766.4	-116.5	701.4	-254.6
11	ok 1526	0.13	0.9	0.1	10.1	19.0	7.7	18.5	377.1	5.9	528.4	1289.0	1.069e+04	831.6
11	ok 1732	0.21	1.0	0.2	10.1	20.8	7.7	37.8	-804.4	-418.6	387.9	-1224.8	-218.9	-1228.7
11	ok 1733	0.11	0.9	9.33e-02	10.1	12.2	7.7	13.3	-307.1	213.5	328.8	4588.4	2944.5	-1358.3
11	ok 1734	0.11	0.8	7.88e-02	11.4	10.1	9.1	7.7	-70.5	307.8	324.0	1415.4	-2218.7	-1292.3
11	ok 1735	0.11	0.8	6.33e-02	11.4	10.1	9.1	7.7	-10.7	137.7	254.7	-983.6	-5212.2	-475.9
11	ok 1736	0.11	0.9	5.50e-02	10.9	11.6	8.6	12.6	-66.7	202.1	-22.9	1710.5	9347.9	-941.4
11	ok 1737	0.11	0.8	3.72e-02	11.7	10.1	9.4	7.7	-99.2	258.3	181.3	-1978.9	-4496.5	-387.5
11	ok 1738	0.11	0.8	4.67e-02	12.3	10.1	10.4	7.7	-104.8	324.4	196.8	-1897.6	-3877.4	291.8
11	ok 1739	0.11	0.7	8.71e-02	11.8	12.0	10.1	9.7	-435.6	-266.0	-187.0	-3029.9	-2335.6	931.2
11	ok 1740	0.15	0.9	0.3	14.0	20.2	11.7	26.6	-1311.9	-610.9	-568.6	-7816.9	-5496.4	1645.6
11	ok 1741	0.11	0.8	5.03e-02	10.1	12.0	7.7	9.7	122.8	-120.0	-227.5	-4574.1	-1091.9	-301.3
11	ok 1742	0.10	0.3	2.47e-02	10.1	10.1	7.7	7.7	36.9	134.1	-19.1	-656.4	1866.7	-213.0
11	ok 1743	0.11	0.8	5.74e-02	10.1	12.9	11.4	10.9	153.6	748.9	47.9	-182.6	-448.3	1265.7
11	ok 1744	0.18	0.9	0.2	22.8	26.7	24.2	41.1	470.1	1434.5	-992.4	4131.1	8479.9	699.4
11	ok 1745	0.13	0.8	8.94e-02	14.9	16.0	16.5	17.2	97.0	791.8	-434.9	-402.4	214.1	-819.8
11	ok 1746	0.12	0.9	6.04e-02	14.7	12.6	15.4	10.2	-46.5	493.9	-424.9	-1902.6	-3573.3	-185.0
11	ok 1747	0.11	0.9	5.24e-02	14.0	10.1	13.8	7.7	-105.6	377.6	-349.0	-1967.1	-4565.7	462.9
11	ok 1748	0.12	0.9	4.99e-02	12.5	11.9	10.1	16.1	-27.5	298.8	-425.2	1540.8	8055.1	-314.1
11	ok 1749	0.11	0.8	5.72e-02	13.1	10.7	10.8	8.3	-71.3	308.9	288.6	-1677.6	-3604.8	-366.5
11	ok 1750	0.12	0.9	8.02e-02	14.7	10.6	13.5	8.3	-63.3	472.3	321.5	-1575.4	-3258.7	203.2
11	ok 1751	0.12	0.8	0.1	15.5	17.0	16.1	16.9	-490.4	53.1	-194.7	819.4	-970.2	1064.0
11	ok 1752	0.18	0.9	0.2	23.0	27.7	24.0	39.3	595.7	1212.8	977.4	3150.5	1.084e+04	-963.1
11	ok 2003	0.12	0.9	4.57e-02	10.1	15.4	7.7	17.0	52.7	475.0	16.1	6598.2	5556.5	5499.3
11	ok 2004	0.14	0.5	5.98e-02	17.5	15.6	22.4	22.2	242.7	999.3	438.3	1333.5	1329.4	-1240.5
11	ok 2037	0.11	0.9	5.45e-03	10.1	11.8	7.7	11.0	127.6	355.6	-52.9	2800.4	5451.4	2866.4
11	ok 2038	0.12	0.9	7.60e-02	10.1	16.8	7.7	15.6	-333.7	131.4	236.0	-853.7	4961.9	4506.0
11	ok 2039	0.11	0.9	0.1	10.1	12.9	7.7	14.9	-584.0	333.6	192.5	609.5	4676.9	1309.8
11	ok 2040	0.11	0.8	0.1	13.4	11.9	11.0	11.7	-547.6	283.8	370.3	666.1	2845.0	-2531.3
11	ok 2041	0.13	0.9	9.83e-02	18.2	12.3	15.8	10.0	-53.6	249.7	466.4	-492.9	-941.9	-2739.2
11	ok 2042	0.11	0.8	4.60e-02	13.0	10.7	10.6	8.3	136.3	119.6	364.4	-1922.7	-3286.9	-854.9
11	ok 2043	0.12	0.9	3.61e-02	11.0	10.6	13.3	15.4	-126.0	509.0	-46.3	2069.8	8228.4	48.8
11	ok 2044	0.11	0.8	3.92e-02	10.7	10.1	8.4	10.2	-168.2	513.4	106.6	2139.4	2599.8	-1142.2
11	ok 2045	0.10	0.5	5.37e-02	10.1	10.1	7.7	7.7	-149.8	265.8	131.8	-663.9	-2089.5	40.8
11	ok 2046	0.10	0.4	8.60e-02	10.1	10.1	7.7	7.7	-537.7	353.4	69.2	-1106.4	-1278.6	-464.0
11	ok 2047	0.11	0.8	0.1	11.0	10.1	9.6	7.7	-727.5	477.6	-236.2	-1194.6	-1695.0	565.4
11	ok 2048	0.11	0.8	0.1	11.3	10.1	8.9	7.7	-458.8	231.8	-411.9	-1503.2	-1656.1	1815.4
11	ok 2049	0.11	0.8	4.99e-02	10.1	11.8	7.7	10.0	-76.7	409.4	-331.1	445.9	2696.3	555.0
11	ok 2050	0.11	0.8	8.37e-02	11.5	12.4	9.2	10.3	93.4	437.0	-389.7	534.8	1595.7	648.3
11	ok 2051	0.11	0.8	0.1	11.4	11.8	9.0	10.7	-591.4	234.6	213.7	-857.9	-1446.1	-559.4
11	ok 2052	0.11	0.8	6.95e-02	10.9	12.2	9.8	11.8	241.5	435.4	-197.4	-1634.6	79.1	-1113.1
11	ok 2053	0.11	0.8	5.43e-02	12.7	12.8	12.3	10.6	-73.0	547.2	-315.1	-1651.6	-1819.8	-375.7
11	ok 2054	0.11	0.9	4.62e-02	12.2	10.3	13.2	8.2	-241.1	576.3	-219.3	-2204.1	-3474.8	1265.1
11	ok 2055	0.12	0.9	3.35e-02	11.4	10.9	13.4	16.0	-142.5	36.2	32.9	-2358.6	-9795.3	1911.5
11	ok 2056	0.11	0.8	2.42e-02	10.7	11.0	8.4	8.6	82.4	334.0	-89.4	2042.4	2539.6	57.8
11	ok 2057	0.10	0.8	5.53e-02	10.5	10.1	9.4	7.7	-141.8	362.5	-265.9	700.8	-335.7	454.6
11	ok 2058	0.11	0.7	0.1	10.8	11.4	12.3	11.3	-667.6	442.7	-271.1	-875.8	-544.1	926.2
11	ok 2059	0.12	0.8	0.1	12.3	12.2	12.3	14.7	-761.2	593.2	-114.7	-762.8	1097.1	147.8
11	ok 2060	0.13	0.7	8.53e-02	17.4	13.8	17.5	17.9	-450.6	453.3	-190.2	-995.0	1654.9	-1792.7
11	ok 2061	0.14	0.8	1.47e-02	21.5	17.2	24.5	20.7	340.4	1296.1	366.5	-688.2	-1657.1	-886.8
11	ok 2408	0.11	1.0	7.90e-02	10.1	12.9	7.7	11.4	-401.9	134.9	-142.4	4376.1	1.064e+04	4952.9
11	ok 2409	0.10	0.6	6.83e-02	10.1	10.1	7.7	7.7	47.2	72.9	19.5	-2713.0	1753.4	5246.9
11	ok 2410	0.10	0.7	0.1	10.1	10.1	7.7	7.7	58.8	-88.6	190.6	-6583.9	-2006.1	1047.9
11	ok 2411	0.10	0.4	0.3	10.1	10.1	7.7	7.7	-1751.3	-342.9	433.7	-5539.1	293.6	1228.5
11	ok 2412	0.11	0.8	6.29e-02	11.4	11.0	9.0	9.4	-286.0	477.5	285.1	873.8	1141.8	-961.1
11	ok 2413	0.17	0.8	7.70e-03	40.6	31.5	23.5	27.6	755.2	745.9	309.0	5059.3	90.4	-1154.8
11	ok 2414	0.12	0.9	8.88e-02	11.6	11.5	14.2	17.2	-525.5	466.4	202.1	-2659.0	-6255.7	-1786.2
11	ok 2415	0.12	0.9	0.1	11.4	11.1	10.4	15.1	-877.0	318.3	-155.2	-6657.8	-308.2	-1224.5
11	ok 2416	0.12	0.8	2.35e-02	10.3	10.3	12.2	14.6	25.4	895.5	59.2	6003.7	1097.3	-766.7
11	ok 2417	0.12	0.8	7.37e-02	12.8	10.5	13.6	15.8	-114.4	998.9	55.4	6238.6	1192.8	-813.0
11	ok 2418	0.10	0.8	0.1	10.1	10.1	7.7	8.9	-575.0	443.4	-53.9	5711.6	2230.3	332.3
11	ok 2419	0.10	0.4	6.68e-02	10.1	10.1	7.7	7.7	-366.8	319.9	-187.1	4741.0	650.4	814.5
11	ok 2420	0.11	0.8	6.37e-02	11.3	12.9	9.0	10.6	-148.2	339.3	-440.0	3368.1	2843.2	556.2
11	ok 2421	0.11	0.8	6.15e-02	12.7	12.8	10.3	10.5	99.4	404.8	-345.2	-2449.1	-832.8	-142.4
11	ok 2422	0.11	0.9	8.77e-02	12.5	13.7	10.1	11.8	-69.8	548.7	-346.9	-1873.4	1377.7	-443.5
11	ok 2423	0.15	0.8	4.67e-02	25.9	20.4	21.4	19.2	1052.5	641.7	-605.9	-3502.5	-673.7	119.5

M_S	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
11	ok 2424	0.11	0.8	3.23e-02	10.1	11.0	7.8	9.1	40.1	497.4	25.9	4578.6	592.6	824.9
11	ok 2425	0.10	0.8	0.1	10.1	10.4	7.7	9.9	-741.1	-277.9	-255.4	6498.2	849.4	-1695.7
11	ok 2426	0.12	0.9	5.14e-02	10.8	12.0	10.6	16.9	-215.5	566.2	-187.3	2172.8	8344.3	188.0
11	ok 2427	0.15	0.9	1.22e-02	27.7	18.1	18.5	20.7	683.9	752.5	-592.9	-9082.8	-768.9	-924.1
11	ok 2428	0.12	0.8	2.97e-02	10.5	11.2	13.4	14.3	130.8	786.9	-84.3	2929.4	1151.8	12.7
11	ok 2429	0.11	0.6	0.3	11.6	12.3	9.2	9.9	-660.4	515.4	-443.4	1859.3	-44.0	-450.1
11	ok 2430	0.10	0.5	0.2	10.1	10.1	7.7	7.7	-331.3	336.4	-155.5	-2358.0	-1782.7	-1384.7
11	ok 2431	0.11	0.8	7.99e-02	11.1	11.8	9.1	10.4	-331.9	477.4	-249.2	-1683.0	415.7	-699.8
11	ok 2432	0.13	0.9	5.12e-02	13.2	16.9	10.9	19.4	-201.3	800.7	-130.4	2151.9	3489.3	-899.6
11	ok 3065	0.11	0.9	7.77e-02	10.1	11.0	7.7	11.3	79.1	-104.5	131.3	1112.3	8129.5	515.5
11	ok 3066	0.10	0.7	5.53e-02	10.1	10.1	7.7	7.7	-7.6	377.8	-140.7	-643.7	1954.2	860.9
11	ok 3067	0.10	0.4	0.1	10.1	10.1	7.7	7.7	-215.3	21.8	96.5	-1523.5	-3236.8	405.0
11	ok 3068	0.10	0.2	0.2	10.1	10.1	7.7	7.7	-1226.2	107.5	-68.7	-3158.7	-76.4	-364.0
11	ok 3069	0.11	0.8	6.61e-02	11.7	10.1	9.0	7.7	497.1	77.7	96.0	-3310.3	-776.2	-1529.4
11	ok 3070	0.13	0.9	8.12e-02	18.1	19.3	15.7	19.5	228.8	207.1	641.5	1673.0	8233.0	2095.2
11	ok 3071	0.10	0.3	0.1	10.1	10.1	7.7	7.7	-672.5	-17.0	60.4	1783.9	254.3	-1721.7
11	ok 3072	0.10	0.1	0.1	10.1	10.1	7.7	7.7	-777.7	-251.2	-160.2	711.1	-423.8	-91.3
11	ok 3073	0.10	0.5	4.28e-02	10.1	10.1	7.7	7.7	-270.3	113.4	-21.7	1948.0	3821.1	-316.8
11	ok 3074	0.10	0.4	3.27e-02	10.1	10.1	7.7	7.7	-163.7	196.1	-131.5	-716.4	-1822.7	195.8
11	ok 3075	0.11	0.8	4.34e-02	10.6	12.2	8.2	9.8	-13.3	203.3	-199.4	-1067.2	-4063.6	-437.3
11	ok 3076	0.10	0.7	3.48e-02	10.4	10.1	8.0	7.7	130.9	238.7	-368.0	-123.7	-952.7	105.2
11	ok 3077	0.12	0.9	4.00e-02	10.1	14.8	7.7	12.5	347.0	181.5	-483.8	1305.8	2666.8	-804.0
11	ok 3078	0.10	0.2	0.1	10.1	10.1	7.7	7.7	-330.9	14.7	62.3	-461.2	-656.4	43.0
11	ok 3079	0.10	0.3	9.00e-02	10.1	10.1	7.7	7.7	-541.0	-17.3	-13.5	2120.1	447.7	1821.4
11	ok 3080	0.12	0.9	6.93e-02	10.1	16.0	7.7	14.7	172.0	113.9	-420.6	1606.3	6936.6	-2756.6
11	ok 3081	0.10	0.4	5.10e-02	10.1	10.1	7.7	7.7	-123.5	-267.3	72.7	1729.4	-125.3	-2290.0
11	ok 3082	0.10	0.2	0.2	10.1	10.1	7.7	7.7	-1224.1	-40.4	-95.7	-2092.2	-618.8	-944.0
11	ok 3083	0.10	0.5	9.44e-02	10.1	10.1	7.7	7.7	-332.2	-18.9	-376.1	-1143.6	-1467.9	-1736.1
11	ok 3084	0.11	0.7	7.10e-02	10.7	11.5	8.4	9.1	-143.0	339.6	-467.9	296.4	965.1	258.2
11	ok 3085	0.12	0.9	5.80e-02	11.6	15.3	9.2	13.0	17.9	423.4	-546.0	597.0	2401.0	-54.0
11	ok 3453	0.19	0.9	2.62e-02	25.6	32.1	23.3	43.7	592.5	1592.6	986.2	1583.7	1.035e+04	768.6
11	ok 3454	0.13	0.9	9.00e-02	13.5	17.4	13.0	17.3	-380.9	746.3	521.1	867.5	2390.8	1537.0
11	ok 3455	0.13	0.8	9.31e-02	14.3	17.3	12.0	14.9	-269.5	299.5	515.0	-541.9	-4794.9	467.2
11	ok 3456	0.10	9.20e-02	0.2	10.1	10.1	7.7	7.7	-731.3	72.4	70.6	1489.0	477.6	-276.1
11	ok 3457	0.10	0.3	5.48e-02	10.1	10.1	7.7	7.7	-177.4	263.2	-64.1	-3324.7	354.1	676.2
11	ok 3458	0.11	0.8	0.2	10.9	10.1	8.5	7.7	-342.4	-187.9	753.9	-1292.8	-4060.0	702.2
11	ok 3459	0.10	0.3	4.14e-02	10.1	10.1	7.7	7.7	-154.8	-0.7	69.1	2792.9	604.1	-397.9
11	ok 3460	0.10	0.1	9.76e-02	10.1	10.1	7.7	7.7	-513.2	-84.5	-20.6	-263.8	22.4	553.6
11	ok 3461	0.10	0.4	3.72e-02	10.1	10.1	7.7	7.7	-183.5	51.4	-121.4	939.5	3328.7	-190.8
11	ok 3462	0.10	0.3	2.58e-02	10.1	10.1	7.7	7.7	-51.9	127.4	-161.4	-258.5	-1636.2	-172.4
11	ok 3463	0.11	0.8	3.72e-02	10.7	11.3	8.4	8.9	-2.6	148.8	-172.7	-842.9	-4737.9	-295.9
11	ok 3464	0.10	0.4	3.16e-02	10.1	10.1	7.7	7.7	106.4	161.4	-312.6	591.9	1306.1	23.6
11	ok 3465	0.10	0.2	3.86e-02	10.1	10.1	7.7	7.7	107.8	49.1	-196.0	837.9	1408.9	-258.3
11	ok 3466	0.10	0.1	6.15e-02	10.1	10.1	7.7	7.7	-55.0	94.3	44.8	1028.7	-370.7	-264.4
11	ok 3467	0.10	0.4	5.13e-02	10.1	10.1	7.7	7.7	-224.6	29.8	-15.4	2942.8	758.0	528.1
11	ok 3468	0.10	0.6	7.81e-02	10.1	10.1	7.7	7.7	-40.3	-108.0	-212.9	-959.7	-3759.7	679.0
11	ok 3469	0.10	0.3	8.95e-02	10.1	10.1	7.7	7.7	-429.2	-37.3	-96.0	2902.3	561.7	-390.0
11	ok 3470	0.10	0.2	0.1	10.1	10.1	7.7	7.7	-793.4	12.9	-107.7	-1799.7	-537.3	-166.5
11	ok 3471	0.11	0.8	9.72e-02	11.7	12.0	9.4	9.7	-211.1	155.6	-474.4	619.3	3763.4	-318.9
11	ok 3472	0.11	0.8	7.84e-02	10.4	12.6	8.1	10.2	-98.7	225.7	-521.5	751.5	1841.7	155.0
11	ok 3473	0.11	0.7	6.73e-02	11.1	12.3	8.8	9.9	57.4	238.6	-542.9	377.1	466.8	-262.7
11	ok 4051	0.12	0.9	0.1	10.1	15.4	7.7	13.2	-244.7	71.0	426.4	5735.8	8080.7	2059.8
11	ok 4052	0.13	0.9	8.36e-02	13.4	19.8	11.0	17.4	5.3	227.7	465.3	2871.8	1674.6	1208.1
11	ok 4053	0.14	0.9	0.1	16.0	16.6	20.6	21.4	-387.3	956.1	456.1	2424.4	4478.6	973.4
11	ok 4054	0.18	0.9	0.0	28.6	38.7	49.1	55.3	1137.6	1282.2	963.9	2790.3	2656.7	1929.0
11	ok 4055	0.13	0.8	5.37e-02	13.8	11.3	16.7	17.9	-317.2	1119.4	192.9	26.8	1425.8	-1531.1
11	ok 4056	0.10	0.3	0.3	10.1	10.1	7.7	7.7	-1796.5	-631.1	689.8	-2431.0	-3927.7	4146.5
11	ok 4057	0.10	0.8	3.92e-02	10.1	10.1	7.7	7.7	56.3	-156.0	125.8	-3074.2	-8610.2	3531.2
11	ok 4058	0.14	0.9	3.01e-02	10.1	15.1	9.8	21.6	435.8	405.3	175.7	2792.1	3329.5	2786.4
11	ok 4059	0.12	0.9	2.19e-02	10.1	10.4	13.5	15.0	-92.2	867.4	-55.7	192.6	2073.7	-855.4
11	ok 4060	0.11	0.8	6.97e-02	10.2	10.1	12.4	10.5	-62.4	779.8	16.2	992.4	-961.3	-1364.8
11	ok 4061	0.11	0.8	3.26e-02	10.1	10.8	7.7	8.8	-99.3	335.7	-146.7	1266.3	3391.7	-407.2
11	ok 4062	0.10	0.5	2.50e-02	10.1	10.1	7.7	7.7	-43.6	274.7	-190.8	215.6	-1266.4	-253.9
11	ok 4063	0.11	0.8	2.85e-02	10.7	11.3	10.9	10.6	-33.3	271.9	-136.3	-881.7	-5626.0	-29.8
11	ok 4064	0.10	0.6	3.18e-02	10.1	10.1	7.7	7.7	20.7	299.5	-135.8	1776.4	2395.1	384.4
11	ok 4065	0.10	0.5	3.08e-02	10.1	10.1	7.7	7.7	-49.2	105.7	19.2	1587.1	1959.1	122.5
11	ok 4066	0.10	0.5	8.48e-02	10.1	10.1	7.7	7.7	-260.6	131.3	-20.9	956.8	1741.9	535.8
11	ok 4067	0.11	0.8	1.62e-02	10.1	11.1	9.4	10.5	-41.4	664.5	-53.2	-149.9	399.7	-1619.6
11	ok 4068	0.12	0.9	1.02e-02	13.6	11.6	16.2	10.2	419.5	319.9	-149.2	-40.6	-2737.3	2869.1
11	ok 4069	0.10	0.9	3.65e-02	10.1	10.3	7.9	7.9	-101.7	130.3	93.5	-1219.1	-5700.8	2149.2
11	ok 4070	0.10	0.8	0.2	10.1	10.1	7.7	7.7	-631.1	-23.3	-71.8	922.5	4251.4	1518.6
11	ok 4071	0.13	0.8	5.81e-02	10.1	11.8	16.8	18.4	186.3	891.7	-168.0	88.2	1064.7	-1714.5
11	ok 4072	0.16	0.9	1.96e-03	22.6	22.3	36.2	31.4	504.8	2032.0	-514.3	228.9	-3284.0	-867.7
11	ok 4073	0.12	0.9	8.38e-02	12.3	12.7	15.8	15.5	-125.2	545.9	-360.2	1253.0	4549.6	294.3

M_S	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
11	ok 4074	0.11	0.9	6.21e-02	10.3	12.6	7.9	10.9	-67.1	378.9	-405.3	1170.9	2134.8	325.3
11	ok 4075	0.11	0.7	5.51e-02	10.8	10.1	8.4	7.7	52.2	221.4	-395.4	90.7	-1480.6	-548.9
11	ok 4565	0.11	0.8	6.66e-02	10.1	11.2	7.7	8.8	-213.0	170.2	327.1	3673.9	3757.4	657.8
11	ok 4566	0.10	0.7	2.69e-02	10.1	10.1	7.7	7.7	-7.6	239.6	236.0	944.7	-2500.5	-657.3
11	ok 4567	0.11	0.8	1.92e-02	10.4	10.9	8.2	11.6	-18.8	355.9	54.2	2218.8	6516.1	883.4
11	ok 4568	0.10	0.2	0.1	10.1	10.1	7.7	7.7	-6.0	-398.4	145.9	200.2	-979.4	600.7
11	ok 4569	0.13	0.4	0.1	21.6	21.0	19.3	18.7	-184.9	469.1	1007.0	1712.4	663.9	-981.0
11	ok 4570	0.15	0.8	3.17e-02	15.4	16.8	25.1	28.6	-107.6	1671.9	443.6	3700.9	1559.9	-102.2
11	ok 4571	0.15	0.9	1.84e-02	11.9	10.7	25.6	19.0	-16.8	1175.0	-0.5	829.4	-8254.9	2457.4
11	ok 4572	0.11	0.9	3.19e-02	10.6	10.1	8.3	14.8	-60.1	771.3	-94.9	1680.9	3677.7	1407.7
11	ok 4573	0.10	0.7	3.21e-02	10.4	10.2	9.5	10.7	-50.7	562.4	91.7	1416.8	663.9	-614.4
11	ok 4574	0.11	0.7	1.77e-02	10.5	10.2	12.0	11.0	-25.9	646.8	97.9	2581.9	581.2	-448.4
11	ok 4575	0.12	0.9	2.07e-02	10.1	10.2	13.1	15.5	-42.7	776.1	-44.6	3419.3	4125.1	-24.6
11	ok 4576	0.10	0.8	1.76e-02	10.1	10.6	9.6	10.2	-36.9	629.5	-68.4	2831.9	767.4	-431.5
11	ok 4577	0.12	0.9	1.94e-02	10.2	10.1	13.5	15.6	-16.4	625.7	-77.8	3873.7	6539.5	689.6
11	ok 4578	0.10	0.8	1.62e-02	10.1	10.2	8.4	9.9	-21.4	559.7	-68.1	2877.6	1579.2	210.9
11	ok 4579	0.11	0.9	1.82e-02	10.1	10.4	10.1	14.0	-36.5	641.6	52.0	3427.5	4613.4	539.4
11	ok 4580	0.11	0.8	1.49e-02	10.1	10.7	8.7	10.3	-61.2	625.7	-75.9	2434.7	541.9	-479.0
11	ok 4581	0.10	0.5	4.13e-02	10.1	10.1	7.7	7.7	-43.0	379.6	-135.1	2386.7	258.6	-1162.0
11	ok 4582	0.10	0.5	4.95e-02	10.1	10.1	7.7	7.7	-17.1	361.4	101.5	2178.8	-1559.0	-222.5
11	ok 4583	0.13	0.9	2.95e-02	10.1	11.4	15.9	18.9	-37.1	847.0	53.9	3065.5	5162.3	1437.5
11	ok 4584	0.13	0.8	2.87e-02	12.1	12.7	14.9	18.2	-89.5	1027.8	-200.3	1400.9	2148.7	-5.3
11	ok 4585	0.11	0.9	8.49e-02	10.7	14.1	8.3	11.8	-80.9	410.8	-504.5	926.6	550.7	-1322.7
11	ok 4586	0.10	0.2	0.1	10.1	10.1	7.7	7.7	-34.5	-522.3	-25.3	540.6	1504.3	-116.5
11	ok 4587	0.11	0.9	7.11e-02	10.1	10.2	11.1	14.4	-17.4	520.1	-134.5	1973.8	6864.3	665.8
11	ok 4588	0.11	0.7	6.42e-02	10.1	10.8	7.7	8.4	-25.4	415.7	-204.3	622.2	1630.5	177.0
11	ok 4589	0.10	0.6	6.75e-02	10.1	10.1	7.7	7.7	-4.1	224.9	-218.2	-300.0	-3040.8	-323.6

M_S		x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									-1796.48	-721.07	-992.41	-9082.80	-9795.31	-2756.59
		0.21	0.98	0.34	40.65	38.66	49.08	55.29	1137.59	2032.00	1006.95	6598.23	1.953e+04	5499.25

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M_G	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
										daN/cm	daN/cm	daN/cm	daN	daN
29	ok 1752	0.20	0.6	0.1	26.7	22.7	15.9	20.9	-511.9	237.3	199.3	3586.4	2936.7	-141.7
29	ok 1761	0.14	0.8	0.1	9.6	8.1	7.6	6.4	-14.3	24.6	3.2	5217.0	4077.0	-149.4
29	ok 1770	0.13	0.6	9.89e-02	7.7	7.7	5.7	5.7	-161.1	-180.8	26.3	5045.2	808.4	22.9
29	ok 1779	0.13	0.6	8.00e-02	7.7	7.7	5.7	5.7	-224.7	3.1	83.1	5164.7	1182.5	217.0
29	ok 1788	0.13	0.7	7.38e-02	7.7	8.0	5.7	5.9	-95.2	206.8	33.2	5256.8	1862.0	221.9
29	ok 1806	0.14	0.9	7.86e-02	7.7	10.7	5.7	7.9	-34.7	-284.1	42.9	8447.7	1566.9	1155.6
29	ok 1817	0.13	0.8	7.57e-02	7.7	8.4	5.7	6.9	-176.1	-29.5	27.8	6087.7	878.3	234.2
29	ok 1828	0.13	0.8	7.24e-02	7.7	7.9	5.7	6.8	-93.6	289.2	-27.5	6114.2	1707.1	0.8
29	ok 1839	0.13	0.7	7.03e-02	7.7	8.3	5.7	6.9	-98.1	298.4	-20.9	6038.3	1698.6	-57.2
29	ok 1850	0.13	0.8	7.31e-02	7.7	8.7	5.7	6.9	-92.3	278.9	12.1	5696.9	1940.4	93.9
29	ok 1861	0.14	0.9	7.55e-02	7.7	10.4	5.7	8.3	-50.3	-248.6	-124.8	8358.8	1702.5	-1229.5
29	ok 1870	0.13	0.7	7.36e-02	7.7	8.4	5.7	6.4	-179.5	-210.3	-48.1	5558.7	733.3	-61.0
29	ok 1881	0.13	0.6	8.65e-02	7.7	7.7	5.7	5.7	-177.2	-117.5	-115.6	5216.0	849.4	-279.4
29	ok 1899	0.13	0.6	0.1	7.7	7.7	5.7	5.7	-169.2	48.1	-182.8	4676.2	1066.0	-212.7
29	ok 1909	0.14	0.8	9.51e-02	7.7	10.8	5.7	8.8	-89.5	84.6	-304.8	4484.6	1969.8	-348.7
29	ok 1920	0.15	0.8	8.61e-02	12.9	7.7	10.9	5.7	-74.0	89.1	-402.9	-4223.0	-2519.8	732.3
29	ok 1943	0.23	0.9	0.1	36.2	22.8	15.3	19.4	1564.4	376.3	-614.6	-4997.5	1808.1	-94.9
29	ok 2004	0.17	0.8	6.85e-02	15.0	17.6	9.9	14.4	-186.1	58.2	137.2	-2825.3	-3002.5	1147.4
29	ok 2006	0.15	0.9	7.55e-02	13.2	9.8	12.1	7.8	31.6	201.4	362.2	-2166.6	-2097.4	-93.1
29	ok 2008	0.13	0.7	7.21e-02	9.2	7.7	7.1	5.7	-133.3	227.3	299.7	-4265.2	-1253.0	829.4
29	ok 2010	0.13	0.7	5.87e-02	7.9	7.7	5.8	5.7	-148.8	147.3	210.3	-4592.7	-1100.1	527.7
29	ok 2012	0.13	0.6	4.87e-02	7.7	7.7	5.7	5.7	-181.2	132.3	122.6	-4269.6	-1174.1	214.5
29	ok 2014	0.13	0.7	4.80e-02	7.7	7.7	5.7	5.7	-203.0	91.5	87.9	-6098.1	-1265.9	408.2
29	ok 2016	0.13	0.6	4.57e-02	7.7	7.7	5.7	5.7	-189.0	187.5	86.0	-4757.4	-1024.8	176.1
29	ok 2018	0.13	0.6	4.76e-02	7.7	7.7	5.7	5.7	-180.5	185.9	53.7	-4871.3	-1041.1	69.4
29	ok 2020	0.13	0.6	4.99e-02	7.7	7.7	5.7	5.7	-173.2	184.3	3.9	-4909.7	-997.6	-77.5
29	ok 2022	0.13	0.6	4.78e-02	7.7	7.7	5.7	5.7	-189.8	143.3	-84.9	-5084.2	-1226.9	-219.2
29	ok 2024	0.13	0.7	4.53e-02	7.7	7.7	5.7	5.7	-140.4	105.4	-109.9	-4523.0	-1046.0	-180.2
29	ok 2026	0.13	0.6	4.77e-02	7.7	7.7	5.7	5.7	-156.8	146.2	-149.4	-5230.3	-1232.6	-455.0
29	ok 2028	0.13	0.7	5.83e-02	7.9	7.7	5.8	5.7	-126.6	175.4	-174.4	-4859.9	-1276.2	-665.4
29	ok 2030	0.13	0.7	7.83e-02	8.7	7.7	6.6	5.7	-113.1	188.9	-281.3	-3994.7	-1525.0	-1179.8
29	ok 2032	0.14	0.8	0.1	9.7	9.8	7.7	7.7	-23.7	157.1	-392.3	-3039.7	-566.4	-948.8
29	ok 2034	0.16	0.9	0.1	12.5	13.3	10.5	11.3	-347.1	-120.8	-317.9	1223.0	2334.8	-305.8
29	ok 2036	0.18	0.7	0.1	18.3	18.7	9.0	9.4	1133.0	36.4	-264.9	226.6	1597.8	588.2
29	ok 2061	0.15	0.7	4.76e-02	11.0	12.0	6.1	5.7	94.0	-87.1	32.0	-683.9	1427.1	271.1
29	ok 2066	0.13	0.7	0.1	8.8	7.7	6.7	5.7	-23.1	73.3	74.1	-2441.1	-849.3	-356.3
29	ok 2071	0.14	0.8	5.52e-02	10.7	7.7	8.7	5.7	-59.4	158.7	61.9	-3819.4	-1149.5	-539.5

M_G	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
29	ok 2076	0.14	0.8	4.26e-02	10.9	7.7	8.9	5.7	-94.7	243.1	73.2	-5352.5	-1327.5	-220.9
29	ok 2081	0.14	0.8	4.11e-02	10.3	7.7	8.3	5.7	-127.9	243.4	33.9	-6556.6	-1525.8	-160.5
29	ok 2097	0.14	0.8	4.00e-02	9.6	7.7	7.5	5.7	-153.8	206.2	7.1	-7365.1	-1655.3	-107.9
29	ok 2104	0.13	0.8	3.94e-02	9.4	7.7	7.5	5.7	-166.0	206.6	-13.2	-7867.3	-1752.1	-74.2
29	ok 2111	0.13	0.9	3.90e-02	8.6	7.7	6.9	5.7	-172.7	209.9	-31.3	-8091.5	-1784.8	-27.5
29	ok 2118	0.13	0.8	3.80e-02	8.6	7.7	6.6	5.7	-169.9	207.6	-11.3	-8012.0	-1764.9	11.8
29	ok 2125	0.13	0.8	3.76e-02	9.4	7.7	7.4	5.7	-159.0	200.1	-29.5	-7637.0	-1694.0	49.6
29	ok 2132	0.14	0.8	3.94e-02	9.5	7.7	7.5	5.7	-143.0	188.5	-45.8	-7013.9	-1576.6	67.8
29	ok 2137	0.14	0.8	4.01e-02	10.3	7.7	8.3	5.7	-120.1	273.5	-178.2	-6241.3	-1439.5	59.6
29	ok 2144	0.14	0.8	3.92e-02	11.0	7.7	9.3	5.7	-76.8	314.6	-227.6	-4980.4	-1432.5	97.0
29	ok 2160	0.15	0.8	4.29e-02	12.3	7.7	10.4	5.7	-54.1	337.4	-286.6	-3463.7	-1841.7	423.7
29	ok 2169	0.14	0.8	0.1	7.7	11.5	5.7	9.4	106.7	93.0	-446.7	2619.8	2035.7	603.2
29	ok 2194	0.14	0.8	0.2	7.7	11.2	5.7	9.1	26.1	7.6	-447.0	2294.6	1703.2	-204.1
29	ok 2219	0.15	0.9	0.2	7.7	14.4	5.7	7.8	580.0	-89.3	-211.6	2771.8	1639.9	20.9

M_G		x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									-511.91	-284.09	-614.62	-8091.51	-3002.55	-1229.50
		0.23	0.95	0.20	36.16	22.83	15.89	20.89	1564.42	376.34	362.24	8447.74	4077.01	1155.57

L’armatura delle pareti spesse 40 cm è costituita da una maglia base di 1+1ϕ16/20 vert. e 1+1ϕ14/20 oriz., a cui si aggiungono ferri alternati ove necessario.

L’armatura delle pareti spesse 30 cm è costituita da una maglia base di 1+1ϕ14/20 vert. e 1+1ϕ12/20 oriz., a cui si aggiungono ferri alternati ove necessario.

L’armatura della soletta sopra alla “galleria” fra le vasche centrali, spessa 40 cm, è costituita da una maglia base di 1+1ϕ16/20/20 Inf / sup , a cui si aggiungono ferri alternati ove necessario.

3.10.2.4 STATI LIMITE D' ESERCIZIO

TABELLA STATI LIMITE D' ESERCIZIO

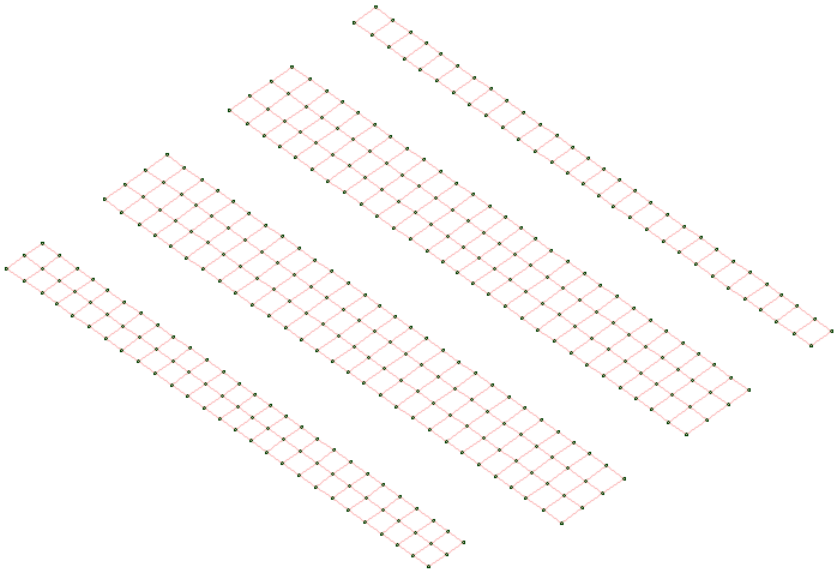
Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
973	0.16	0.72	0.0	96,96,0	0.0	0.0	0.0	0,0,0
974	0.09	0.41	0.0	91,96,0	0.0	0.0	0.0	0,0,0
975	0.08	0.25	0.0	96,96,0	0.0	0.0	0.0	0,0,0
976	0.12	0.38	0.0	93,93,0	0.0	0.0	0.0	0,0,0
977	0.13	0.40	0.0	94,89,0	0.0	0.0	0.0	0,0,0
978	0.08	0.25	0.0	91,94,0	0.0	0.0	0.0	0,0,0
979	0.08	0.37	0.0	96,94,0	0.0	0.0	0.0	0,0,0
980	0.08	0.55	0.0	96,96,0	0.0	0.0	0.0	0,0,0
981	0.08	0.53	0.0	93,93,0	0.0	0.0	0.0	0,0,0
982	0.08	0.40	0.0	91,88,0	0.0	0.0	0.0	0,0,0
983	0.08	0.33	0.0	91,88,0	0.0	0.0	0.0	0,0,0
984	0.10	0.33	0.0	93,91,0	0.0	0.0	0.0	0,0,0
985	0.09	0.36	0.0	94,93,0	0.0	0.0	0.0	0,0,0
986	0.09	0.31	0.0	91,91,0	0.0	0.0	0.0	0,0,0
987	0.09	0.32	0.0	91,91,0	0.0	0.0	0.0	0,0,0
988	0.05	0.32	0.0	91,91,0	0.0	0.0	0.0	0,0,0
989	0.17	0.70	0.0	96,88,0	0.0	0.0	0.0	0,0,0
990	0.24	0.74	0.0	93,93,0	0.0	0.0	0.0	0,0,0
991	0.25	0.57	0.0	89,94,0	0.0	0.0	0.0	0,0,0
992	0.27	0.54	0.0	88,93,0	0.10	0.0	0.0	88,0,0
993	0.22	0.60	0.0	94,93,0	0.0	0.0	0.0	0,0,0
994	0.24	0.41	0.0	89,96,0	0.0	0.0	0.0	0,0,0
995	0.23	0.70	0.0	88,88,0	0.0	0.0	0.0	0,0,0
996	0.47	0.80	0.0	93,89,0	0.31	0.0	0.0	88,0,0
997	0.37	0.49	0.0	89,89,0	0.10	0.0	0.0	89,0,0
998	0.40	0.54	0.0	88,88,0	0.13	0.0	0.0	88,0,0
999	0.42	0.79	0.0	94,88,0	0.30	0.0	0.0	89,0,0
1000	0.32	0.46	0.0	89,89,0	0.10	0.0	0.0	89,0,0
1001	0.29	0.70	0.0	88,93,0	0.14	0.0	0.0	88,0,0
1002	0.52	0.80	0.0	93,89,0	0.33	0.0	0.0	88,0,0
1003	0.42	0.49	0.0	89,89,0	0.12	0.0	0.0	89,0,0
1004	0.45	0.55	0.0	88,88,0	0.15	0.0	0.0	88,0,0
1005	0.47	0.78	0.0	94,88,0	0.29	0.0	0.0	89,0,0
1006	0.35	0.48	0.0	89,89,0	0.11	0.0	0.0	89,0,0
1007	0.31	0.58	0.0	88,88,0	0.13	0.0	0.0	88,0,0
1008	0.56	0.78	0.0	93,88,0	0.29	0.0	0.0	88,0,0
1009	0.44	0.48	0.0	89,89,0	0.12	0.0	0.0	89,0,0
1010	0.48	0.56	0.0	88,88,0	0.16	0.0	0.0	88,0,0
1011	0.51	0.77	0.0	94,88,0	0.28	0.0	0.0	88,0,0
1012	0.37	0.50	0.0	89,89,0	0.12	0.0	0.0	89,0,0
1013	0.33	0.60	0.0	88,96,0	0.12	0.0	0.0	88,0,0
1014	0.58	0.76	0.0	93,89,0	0.27	0.0	0.0	88,0,0
1015	0.45	0.48	0.0	89,89,0	0.12	0.0	0.0	89,0,0
1016	0.49	0.56	0.0	88,88,0	0.17	0.0	0.0	88,0,0
1017	0.53	0.79	0.0	94,88,0	0.26	0.0	0.0	88,0,0
1018	0.38	0.49	0.0	89,89,0	0.12	0.0	0.0	89,0,0
1029	0.34	0.64	0.0	88,96,0	0.12	0.0	0.0	88,0,0
1030	0.59	0.77	0.0	93,88,0	0.27	0.0	0.0	88,0,0
1031	0.46	0.48	0.0	89,89,0	0.13	0.0	0.0	89,0,0
1032	0.50	0.56	0.0	88,88,0	0.17	0.0	0.0	88,0,0
1033	0.54	0.79	0.0	94,88,0	0.27	0.0	0.0	89,0,0
1034	0.38	0.49	0.0	89,89,0	0.12	0.0	0.0	89,0,0
1037	0.34	0.66	0.0	88,96,0	0.12	0.0	0.0	88,0,0
1038	0.60	0.79	0.0	93,88,0	0.31	0.0	0.0	88,0,0
1039	0.47	0.47	0.0	89,89,0	0.13	0.0	0.0	89,0,0
1040	0.51	0.55	0.0	88,88,0	0.17	0.0	0.0	88,0,0
1041	0.55	0.79	0.0	94,88,0	0.28	0.0	0.0	89,0,0
1042	0.38	0.47	0.0	89,89,0	0.12	0.0	0.0	89,0,0
1045	0.34	0.61	0.0	88,96,0	0.12	0.0	0.0	88,0,0
1046	0.60	0.80	0.0	93,88,0	0.31	0.0	0.0	88,0,0
1047	0.47	0.48	0.0	89,89,0	0.13	0.0	0.0	89,0,0
1048	0.51	0.55	0.0	88,88,0	0.17	0.0	0.0	88,0,0
1049	0.55	0.79	0.0	94,88,0	0.28	0.0	0.0	89,0,0
1050	0.38	0.47	0.0	89,89,0	0.11	0.0	0.0	89,0,0
1053	0.34	0.63	0.0	88,96,0	0.12	0.0	0.0	88,0,0
1054	0.60	0.79	0.0	93,88,0	0.30	0.0	0.0	88,0,0
1055	0.47	0.48	0.0	89,89,0	0.13	0.0	0.0	89,0,0

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
1056	0.52	0.55	0.0	88,88,0	0.17	0.0	0.0	88,0,0
1057	0.55	0.79	0.0	94,88,0	0.28	0.0	0.0	89,0,0
1058	0.39	0.47	0.0	89,89,0	0.12	0.0	0.0	89,0,0
1061	0.33	0.66	0.0	88,96,0	0.12	0.0	0.0	88,0,0
1062	0.60	0.75	0.0	93,89,0	0.26	0.0	0.0	88,0,0
1063	0.47	0.48	0.0	89,89,0	0.13	0.0	0.0	89,0,0
1064	0.51	0.54	0.0	88,88,0	0.16	0.0	0.0	88,0,0
1065	0.55	0.79	0.0	94,88,0	0.28	0.0	0.0	89,0,0
1066	0.39	0.47	0.0	89,89,0	0.12	0.0	0.0	89,0,0
1067	0.32	0.61	0.0	88,96,0	0.12	0.0	0.0	88,0,0
1068	0.59	0.76	0.0	93,89,0	0.26	0.0	0.0	89,0,0
1069	0.46	0.47	0.0	89,89,0	0.12	0.0	0.0	89,0,0
1070	0.50	0.53	0.0	88,88,0	0.16	0.0	0.0	88,0,0
1071	0.54	0.79	0.0	94,89,0	0.26	0.0	0.0	89,0,0
1072	0.39	0.47	0.0	89,89,0	0.12	0.0	0.0	89,0,0
1075	0.30	0.53	0.0	88,88,0	0.12	0.0	0.0	88,0,0
1076	0.57	0.77	0.0	93,89,0	0.28	0.0	0.0	89,0,0
1077	0.45	0.48	0.0	89,89,0	0.12	0.0	0.0	89,0,0
1078	0.49	0.53	0.0	88,88,0	0.15	0.0	0.0	88,0,0
1079	0.53	0.77	0.0	94,88,0	0.27	0.0	0.0	88,0,0
1080	0.38	0.47	0.0	89,89,0	0.11	0.0	0.0	89,0,0
1091	0.28	0.52	0.0	88,93,0	0.12	0.0	0.0	88,0,0
1092	0.55	0.79	0.0	93,88,0	0.31	0.0	0.0	88,0,0
1093	0.44	0.48	0.0	89,89,0	0.12	0.0	0.0	89,0,0
1094	0.47	0.52	0.0	88,88,0	0.15	0.0	0.0	88,0,0
1095	0.50	0.78	0.0	94,88,0	0.29	0.0	0.0	88,0,0
1096	0.38	0.47	0.0	89,89,0	0.11	0.0	0.0	89,0,0
1097	0.25	0.61	0.0	88,93,0	0.0	0.0	0.0	0,0,0
1098	0.52	0.82	0.0	93,88,0	0.33	0.0	0.0	88,0,0
1099	0.41	0.50	0.0	89,89,0	0.12	0.0	0.0	89,0,0
1100	0.43	0.52	0.0	88,88,0	0.14	0.0	0.0	88,0,0
1101	0.46	0.79	0.0	94,88,0	0.29	0.0	0.0	88,0,0
1102	0.35	0.46	0.0	89,89,0	0.10	0.0	0.0	89,0,0
1103	0.07	0.40	0.0	95,93,0	0.0	0.0	0.0	0,0,0
1104	0.30	0.66	0.0	88,93,0	0.0	0.0	0.0	0,0,0
1105	0.45	0.81	0.0	93,88,0	0.31	0.0	0.0	88,0,0
1106	0.35	0.50	0.0	89,89,0	0.10	0.0	0.0	89,0,0
1107	0.16	0.20	0.0	88,88,0	0.0	0.0	0.0	0,0,0
1108	0.36	0.50	0.0	88,88,0	0.11	0.0	0.0	88,0,0
1109	0.40	0.79	0.0	94,88,0	0.29	0.0	0.0	89,0,0
1110	0.29	0.44	0.0	89,89,0	0.09	0.0	0.0	89,0,0
1111	0.25	0.19	0.0	94,94,0	0.0	0.0	0.0	0,0,0
1112	0.11	0.25	0.0	96,93,0	0.0	0.0	0.0	0,0,0
1113	0.14	0.57	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1114	0.22	0.65	0.0	93,94,0	0.0	0.0	0.0	0,0,0
1115	0.23	0.53	0.0	89,94,0	0.0	0.0	0.0	0,0,0
1116	0.06	0.08	0.0	88,95,0	0.0	0.0	0.0	0,0,0
1117	0.22	0.49	0.0	88,93,0	0.0	0.0	0.0	0,0,0
1118	0.18	0.53	0.0	94,93,0	0.0	0.0	0.0	0,0,0
1119	0.21	0.43	0.0	89,91,0	0.0	0.0	0.0	0,0,0
1120	0.14	0.15	0.0	89,95,0	0.0	0.0	0.0	0,0,0
1121	0.19	0.66	0.0	96,96,0	0.15	0.0	0.0	96,0,0
1122	0.14	0.36	0.0	91,96,0	0.0	0.0	0.0	0,0,0
1123	0.12	0.44	0.0	91,96,0	0.0	0.0	0.0	0,0,0
1124	0.18	0.53	0.0	88,93,0	0.0	0.0	0.0	0,0,0
1125	0.19	0.44	0.0	96,94,0	0.0	0.0	0.0	0,0,0
1126	0.14	0.37	0.0	91,89,0	0.0	0.0	0.0	0,0,0
1127	0.15	0.43	0.0	91,89,0	0.0	0.0	0.0	0,0,0
1128	0.12	0.54	0.0	89,94,0	0.0	0.0	0.0	0,0,0
1129	0.13	0.46	0.0	96,93,0	0.0	0.0	0.0	0,0,0
1130	0.17	0.35	0.0	91,93,0	0.0	0.0	0.0	0,0,0
1131	0.17	0.32	0.0	91,91,0	0.0	0.0	0.0	0,0,0
1132	0.16	0.40	0.0	93,88,0	0.0	0.0	0.0	0,0,0
1133	0.14	0.37	0.0	94,89,0	0.0	0.0	0.0	0,0,0
1134	0.16	0.39	0.0	91,91,0	0.0	0.0	0.0	0,0,0
1135	0.16	0.39	0.0	91,91,0	0.0	0.0	0.0	0,0,0
1136	0.12	0.49	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1191	0.23	0.70	0.0	96,96,0	0.13	0.0	0.0	96,0,0
1192	0.08	0.58	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1193	0.08	0.46	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1194	0.18	0.62	0.0	88,93,0	0.0	0.0	0.0	0,0,0
1195	0.24	0.70	0.0	94,89,0	0.19	0.0	0.0	89,0,0
1196	0.11	0.33	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1197	0.11	0.36	0.0	96,94,0	0.0	0.0	0.0	0,0,0

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
1198	0.12	0.51	0.0	94,94,0	0.0	0.0	0.0	0,0,0
1199	0.12	0.49	0.0	88,88,0	0.0	0.0	0.0	0,0,0
1200	0.08	0.38	0.0	96,88,0	0.0	0.0	0.0	0,0,0
1201	0.08	0.33	0.0	96,88,0	0.0	0.0	0.0	0,0,0
1202	0.20	0.50	0.0	93,88,0	0.0	0.0	0.0	0,0,0
1203	0.19	0.50	0.0	94,89,0	0.10	0.0	0.0	94,0,0
1204	0.07	0.27	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1205	0.07	0.27	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1206	0.11	0.40	0.0	91,91,0	0.0	0.0	0.0	0,0,0
1207	0.24	0.69	0.0	96,96,0	0.14	0.0	0.0	96,0,0
1208	0.26	0.76	0.0	94,94,0	0.18	0.0	0.0	94,0,0
1209	0.20	0.70	0.0	94,96,0	0.10	0.0	0.0	94,0,0
1210	0.20	0.56	0.0	88,93,0	0.09	0.0	0.0	88,0,0
1211	0.27	0.76	0.0	88,93,0	0.18	0.0	0.0	94,0,0
1212	0.11	0.45	0.0	91,91,0	0.0	0.0	0.0	0,0,0
1213	0.18	0.69	0.0	93,93,0	0.0	0.0	0.0	0,0,0
1214	0.24	0.73	0.0	89,93,0	0.0	0.0	0.0	0,0,0
1215	0.18	0.60	0.0	89,96,0	0.0	0.0	0.0	0,0,0
1216	0.17	0.51	0.0	88,96,0	0.0	0.0	0.0	0,0,0
1217	0.24	0.71	0.0	93,88,0	0.0	0.0	0.0	0,0,0
1218	0.09	0.21	0.0	89,96,0	0.0	0.0	0.0	0,0,0
1219	0.20	0.69	0.0	93,93,0	0.0	0.0	0.0	0,0,0
1220	0.29	0.64	0.0	93,88,0	0.18	0.0	0.0	88,0,0
1221	0.22	0.54	0.0	89,96,0	0.0	0.0	0.0	0,0,0
1222	0.21	0.46	0.0	88,96,0	0.0	0.0	0.0	0,0,0
1223	0.28	0.68	0.0	89,88,0	0.19	0.0	0.0	89,0,0
1224	0.08	0.17	0.0	94,89,0	0.0	0.0	0.0	0,0,0
1225	0.20	0.58	0.0	93,93,0	0.0	0.0	0.0	0,0,0
1226	0.34	0.69	0.0	93,88,0	0.20	0.0	0.0	88,0,0
1227	0.22	0.43	0.0	89,91,0	0.0	0.0	0.0	0,0,0
1228	0.22	0.42	0.0	88,91,0	0.0	0.0	0.0	0,0,0
1229	0.33	0.77	0.0	89,89,0	0.23	0.0	0.0	89,0,0
1230	0.08	0.14	0.0	94,93,0	0.0	0.0	0.0	0,0,0
1231	0.20	0.42	0.0	93,88,0	0.0	0.0	0.0	0,0,0
1232	0.39	0.75	0.0	93,88,0	0.23	0.0	0.0	88,0,0
1233	0.22	0.42	0.0	89,88,0	0.0	0.0	0.0	0,0,0
1234	0.22	0.40	0.0	88,89,0	0.0	0.0	0.0	0,0,0
1235	0.35	0.79	0.0	94,88,0	0.25	0.0	0.0	89,0,0
1236	0.08	0.16	0.0	89,93,0	0.0	0.0	0.0	0,0,0
1247	0.18	0.32	0.0	88,88,0	0.0	0.0	0.0	0,0,0
1248	0.42	0.79	0.0	93,88,0	0.29	0.0	0.0	88,0,0
1249	0.22	0.43	0.0	89,88,0	0.0	0.0	0.0	0,0,0
1250	0.21	0.41	0.0	88,89,0	0.0	0.0	0.0	0,0,0
1251	0.37	0.79	0.0	94,88,0	0.27	0.0	0.0	89,0,0
1252	0.08	0.16	0.0	89,93,0	0.0	0.0	0.0	0,0,0
…								
2120	0.11	0.46	0.0	95,95,0	0.0	0.0	0.0	0,0,0
	rRfck	**rRfyk**	**rPfck**		**wR**	**wF**	**wP**	
Max	0.38	0.82	0.0		0.22	0.0	0.0	

3.10.3 SOLETTA SOMMITALE

La soletta ha spessore 25 cm ed è costituita da 4 strisce intervallate da spazi vuoti per la manutenzione delle vasche.



3.10.3.1 MODELLAZIONE STRUTTURA: NODI

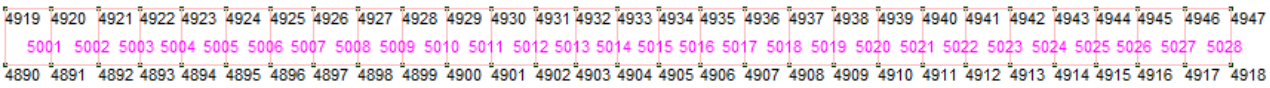
TABELLA DATI NODI

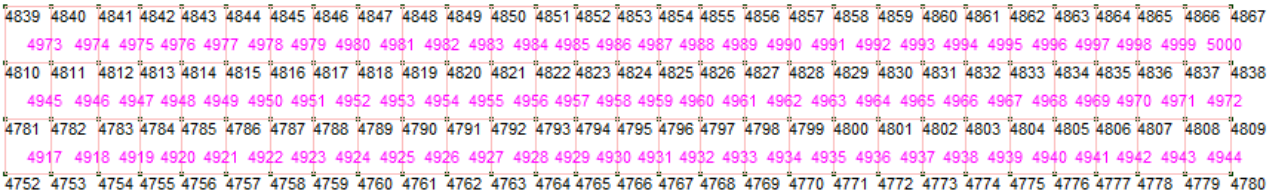
Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
4505	1364.0	90.0	1090.0	4506	1449.0	90.0	1090.0	4507	1534.0	90.0	1090.0
4508	1609.0	90.0	1090.0	4509	1684.0	90.0	1090.0	4510	1764.0	90.0	1090.0
4511	1844.0	90.0	1090.0	4512	1924.0	90.0	1090.0	4513	2004.0	90.0	1090.0
4514	2084.0	90.0	1090.0	4515	2164.0	90.0	1090.0	4516	2244.0	90.0	1090.0
4517	2324.0	90.0	1090.0	4518	2399.0	90.0	1090.0	4519	2474.0	90.0	1090.0
4520	2549.0	90.0	1090.0	4521	2624.0	90.0	1090.0	4522	2704.0	90.0	1090.0
4523	2784.0	90.0	1090.0	4524	2864.0	90.0	1090.0	4525	2944.0	90.0	1090.0
4526	3024.0	90.0	1090.0	4527	3104.0	90.0	1090.0	4528	3184.0	90.0	1090.0
4529	3264.0	90.0	1090.0	4530	3339.0	90.0	1090.0	4531	3414.0	90.0	1090.0
4534	1364.0	175.0	1090.0	4535	1449.0	175.0	1090.0	4536	1534.0	175.0	1090.0
4537	1609.0	175.0	1090.0	4538	1684.0	175.0	1090.0	4539	1764.0	175.0	1090.0
4540	1844.0	175.0	1090.0	4541	1924.0	175.0	1090.0	4542	2004.0	175.0	1090.0
4543	2084.0	175.0	1090.0	4544	2164.0	175.0	1090.0	4545	2244.0	175.0	1090.0
4546	2324.0	175.0	1090.0	4547	2399.0	175.0	1090.0	4548	2474.0	175.0	1090.0
4549	2549.0	175.0	1090.0	4550	2624.0	175.0	1090.0	4551	2704.0	175.0	1090.0
4552	2784.0	175.0	1090.0	4553	2864.0	175.0	1090.0	4554	2944.0	175.0	1090.0
4555	3024.0	175.0	1090.0	4556	3104.0	175.0	1090.0	4557	3184.0	175.0	1090.0
4558	3264.0	175.0	1090.0	4559	3339.0	175.0	1090.0	4560	3414.0	175.0	1090.0
4563	1364.0	260.0	1090.0	4564	1449.0	260.0	1090.0	4565	1534.0	260.0	1090.0
4566	1609.0	260.0	1090.0	4567	1684.0	260.0	1090.0	4568	1764.0	260.0	1090.0
4569	1844.0	260.0	1090.0	4570	1924.0	260.0	1090.0	4571	2004.0	260.0	1090.0
4572	2084.0	260.0	1090.0	4573	2164.0	260.0	1090.0	4574	2244.0	260.0	1090.0
4575	2324.0	260.0	1090.0	4576	2399.0	260.0	1090.0	4577	2474.0	260.0	1090.0
4578	2549.0	260.0	1090.0	4579	2624.0	260.0	1090.0	4580	2704.0	260.0	1090.0
4581	2784.0	260.0	1090.0	4582	2864.0	260.0	1090.0	4583	2944.0	260.0	1090.0
4584	3024.0	260.0	1090.0	4585	3104.0	260.0	1090.0	4586	3184.0	260.0	1090.0
4587	3264.0	260.0	1090.0	4588	3339.0	260.0	1090.0	4589	3414.0	260.0	1090.0
4614	1364.0	563.8	1090.0	4615	1449.0	563.8	1090.0	4616	1534.0	563.8	1090.0
4617	1609.0	563.8	1090.0	4618	1684.0	563.8	1090.0	4619	1764.0	563.8	1090.0
4620	1844.0	563.8	1090.0	4621	1924.0	563.8	1090.0	4622	2004.0	563.8	1090.0
4623	2084.0	563.8	1090.0	4624	2164.0	563.8	1090.0	4625	2244.0	563.8	1090.0
4626	2324.0	563.8	1090.0	4627	2399.0	563.8	1090.0	4628	2474.0	563.8	1090.0
4629	2549.0	563.8	1090.0	4630	2624.0	563.8	1090.0	4631	2704.0	563.8	1090.0
4632	2784.0	563.8	1090.0	4633	2864.0	563.8	1090.0	4634	2944.0	563.8	1090.0

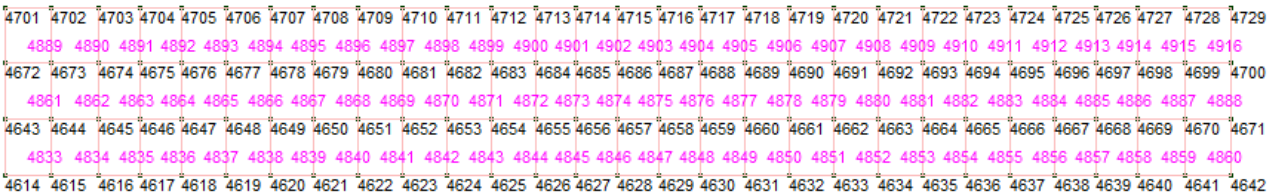
Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
4635	3024.0	563.8	1090.0	4636	3104.0	563.8	1090.0	4637	3184.0	563.8	1090.0
4638	3264.0	563.8	1090.0	4639	3339.0	563.8	1090.0	4640	3414.0	563.8	1090.0
4641	3499.0	563.8	1090.0	4642	3584.0	563.8	1090.0	4643	1364.0	665.0	1090.0
4644	1449.0	665.0	1090.0	4645	1534.0	665.0	1090.0	4646	1609.0	665.0	1090.0
4647	1684.0	665.0	1090.0	4648	1764.0	665.0	1090.0	4649	1844.0	665.0	1090.0
4650	1924.0	665.0	1090.0	4651	2004.0	665.0	1090.0	4652	2084.0	665.0	1090.0
4653	2164.0	665.0	1090.0	4654	2244.0	665.0	1090.0	4655	2324.0	665.0	1090.0
4656	2399.0	665.0	1090.0	4657	2474.0	665.0	1090.0	4658	2549.0	665.0	1090.0
4659	2624.0	665.0	1090.0	4660	2704.0	665.0	1090.0	4661	2784.0	665.0	1090.0
4662	2864.0	665.0	1090.0	4663	2944.0	665.0	1090.0	4664	3024.0	665.0	1090.0
4665	3104.0	665.0	1090.0	4666	3184.0	665.0	1090.0	4667	3264.0	665.0	1090.0
4668	3339.0	665.0	1090.0	4669	3414.0	665.0	1090.0	4670	3499.0	665.0	1090.0
4671	3584.0	665.0	1090.0	4672	1364.0	766.3	1090.0	4673	1449.0	766.3	1090.0
4674	1534.0	766.3	1090.0	4675	1609.0	766.3	1090.0	4676	1684.0	766.3	1090.0
4677	1764.0	766.3	1090.0	4678	1844.0	766.3	1090.0	4679	1924.0	766.3	1090.0
4680	2004.0	766.3	1090.0	4681	2084.0	766.3	1090.0	4682	2164.0	766.3	1090.0
4683	2244.0	766.3	1090.0	4684	2324.0	766.3	1090.0	4685	2399.0	766.3	1090.0
4686	2474.0	766.3	1090.0	4687	2549.0	766.3	1090.0	4688	2624.0	766.3	1090.0
4689	2704.0	766.3	1090.0	4690	2784.0	766.3	1090.0	4691	2864.0	766.3	1090.0
4692	2944.0	766.3	1090.0	4693	3024.0	766.3	1090.0	4694	3104.0	766.3	1090.0
4695	3184.0	766.3	1090.0	4696	3264.0	766.3	1090.0	4697	3339.0	766.3	1090.0
4698	3414.0	766.3	1090.0	4699	3499.0	766.3	1090.0	4700	3584.0	766.3	1090.0
4701	1364.0	867.5	1090.0	4702	1449.0	867.5	1090.0	4703	1534.0	867.5	1090.0
4704	1609.0	867.5	1090.0	4705	1684.0	867.5	1090.0	4706	1764.0	867.5	1090.0
4707	1844.0	867.5	1090.0	4708	1924.0	867.5	1090.0	4709	2004.0	867.5	1090.0
4710	2084.0	867.5	1090.0	4711	2164.0	867.5	1090.0	4712	2244.0	867.5	1090.0
4713	2324.0	867.5	1090.0	4714	2399.0	867.5	1090.0	4715	2474.0	867.5	1090.0
4716	2549.0	867.5	1090.0	4717	2624.0	867.5	1090.0	4718	2704.0	867.5	1090.0
4719	2784.0	867.5	1090.0	4720	2864.0	867.5	1090.0	4721	2944.0	867.5	1090.0
4722	3024.0	867.5	1090.0	4723	3104.0	867.5	1090.0	4724	3184.0	867.5	1090.0
4725	3264.0	867.5	1090.0	4726	3339.0	867.5	1090.0	4727	3414.0	867.5	1090.0
4728	3499.0	867.5	1090.0	4729	3584.0	867.5	1090.0	4752	1364.0	1171.3	1090.0
4753	1449.0	1171.3	1090.0	4754	1534.0	1171.3	1090.0	4755	1609.0	1171.3	1090.0
4756	1684.0	1171.3	1090.0	4757	1764.0	1171.3	1090.0	4758	1844.0	1171.3	1090.0
4759	1924.0	1171.3	1090.0	4760	2004.0	1171.3	1090.0	4761	2084.0	1171.3	1090.0
4762	2164.0	1171.3	1090.0	4763	2244.0	1171.3	1090.0	4764	2324.0	1171.3	1090.0
4765	2399.0	1171.3	1090.0	4766	2474.0	1171.3	1090.0	4767	2549.0	1171.3	1090.0
4768	2624.0	1171.3	1090.0	4769	2704.0	1171.3	1090.0	4770	2784.0	1171.3	1090.0
4771	2864.0	1171.3	1090.0	4772	2944.0	1171.3	1090.0	4773	3024.0	1171.3	1090.0
4774	3104.0	1171.3	1090.0	4775	3184.0	1171.3	1090.0	4776	3264.0	1171.3	1090.0
4777	3339.0	1171.3	1090.0	4778	3414.0	1171.3	1090.0	4779	3499.0	1171.3	1090.0
4780	3584.0	1171.3	1090.0	4781	1364.0	1272.5	1090.0	4782	1449.0	1272.5	1090.0
4783	1534.0	1272.5	1090.0	4784	1609.0	1272.5	1090.0	4785	1684.0	1272.5	1090.0
4786	1764.0	1272.5	1090.0	4787	1844.0	1272.5	1090.0	4788	1924.0	1272.5	1090.0
4789	2004.0	1272.5	1090.0	4790	2084.0	1272.5	1090.0	4791	2164.0	1272.5	1090.0
4792	2244.0	1272.5	1090.0	4793	2324.0	1272.5	1090.0	4794	2399.0	1272.5	1090.0
4795	2474.0	1272.5	1090.0	4796	2549.0	1272.5	1090.0	4797	2624.0	1272.5	1090.0
4798	2704.0	1272.5	1090.0	4799	2784.0	1272.5	1090.0	4800	2864.0	1272.5	1090.0
4801	2944.0	1272.5	1090.0	4802	3024.0	1272.5	1090.0	4803	3104.0	1272.5	1090.0
4804	3184.0	1272.5	1090.0	4805	3264.0	1272.5	1090.0	4806	3339.0	1272.5	1090.0
4807	3414.0	1272.5	1090.0	4808	3499.0	1272.5	1090.0	4809	3584.0	1272.5	1090.0
4810	1364.0	1373.8	1090.0	4811	1449.0	1373.8	1090.0	4812	1534.0	1373.8	1090.0
4813	1609.0	1373.8	1090.0	4814	1684.0	1373.8	1090.0	4815	1764.0	1373.8	1090.0
4816	1844.0	1373.8	1090.0	4817	1924.0	1373.8	1090.0	4818	2004.0	1373.8	1090.0
4819	2084.0	1373.8	1090.0	4820	2164.0	1373.8	1090.0	4821	2244.0	1373.8	1090.0
4822	2324.0	1373.8	1090.0	4823	2399.0	1373.8	1090.0	4824	2474.0	1373.8	1090.0
4825	2549.0	1373.8	1090.0	4826	2624.0	1373.8	1090.0	4827	2704.0	1373.8	1090.0
4828	2784.0	1373.8	1090.0	4829	2864.0	1373.8	1090.0	4830	2944.0	1373.8	1090.0
4831	3024.0	1373.8	1090.0	4832	3104.0	1373.8	1090.0	4833	3184.0	1373.8	1090.0
4834	3264.0	1373.8	1090.0	4835	3339.0	1373.8	1090.0	4836	3414.0	1373.8	1090.0
4837	3499.0	1373.8	1090.0	4838	3584.0	1373.8	1090.0	4839	1364.0	1475.0	1090.0
4840	1449.0	1475.0	1090.0	4841	1534.0	1475.0	1090.0	4842	1609.0	1475.0	1090.0
4843	1684.0	1475.0	1090.0	4844	1764.0	1475.0	1090.0	4845	1844.0	1475.0	1090.0
4846	1924.0	1475.0	1090.0	4847	2004.0	1475.0	1090.0	4848	2084.0	1475.0	1090.0
4849	2164.0	1475.0	1090.0	4850	2244.0	1475.0	1090.0	4851	2324.0	1475.0	1090.0
4852	2399.0	1475.0	1090.0	4853	2474.0	1475.0	1090.0	4854	2549.0	1475.0	1090.0
4855	2624.0	1475.0	1090.0	4856	2704.0	1475.0	1090.0	4857	2784.0	1475.0	1090.0
4858	2864.0	1475.0	1090.0	4859	2944.0	1475.0	1090.0	4860	3024.0	1475.0	1090.0
4861	3104.0	1475.0	1090.0	4862	3184.0	1475.0	1090.0	4863	3264.0	1475.0	1090.0
4864	3339.0	1475.0	1090.0	4865	3414.0	1475.0	1090.0	4866	3499.0	1475.0	1090.0
4867	3584.0	1475.0	1090.0	4890	1364.0	1778.8	1090.0	4891	1449.0	1778.8	1090.0
4892	1534.0	1778.8	1090.0	4893	1609.0	1778.8	1090.0	4894	1684.0	1778.8	1090.0
4895	1764.0	1778.8	1090.0	4896	1844.0	1778.8	1090.0	4897	1924.0	1778.8	1090.0
4898	2004.0	1778.8	1090.0	4899	2084.0	1778.8	1090.0	4900	2164.0	1778.8	1090.0

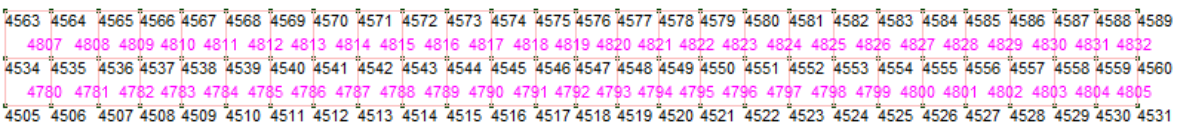
Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
4901	2244.0	1778.8	1090.0	4902	2324.0	1778.8	1090.0	4903	2399.0	1778.8	1090.0
4904	2474.0	1778.8	1090.0	4905	2549.0	1778.8	1090.0	4906	2624.0	1778.8	1090.0
4907	2704.0	1778.8	1090.0	4908	2784.0	1778.8	1090.0	4909	2864.0	1778.8	1090.0
4910	2944.0	1778.8	1090.0	4911	3024.0	1778.8	1090.0	4912	3104.0	1778.8	1090.0
4913	3184.0	1778.8	1090.0	4914	3264.0	1778.8	1090.0	4915	3339.0	1778.8	1090.0
4916	3414.0	1778.8	1090.0	4917	3499.0	1778.8	1090.0	4918	3584.0	1778.8	1090.0
4919	1364.0	1880.0	1090.0	4920	1449.0	1880.0	1090.0	4921	1534.0	1880.0	1090.0
4922	1609.0	1880.0	1090.0	4923	1684.0	1880.0	1090.0	4924	1764.0	1880.0	1090.0
4925	1844.0	1880.0	1090.0	4926	1924.0	1880.0	1090.0	4927	2004.0	1880.0	1090.0
4928	2084.0	1880.0	1090.0	4929	2164.0	1880.0	1090.0	4930	2244.0	1880.0	1090.0
4931	2324.0	1880.0	1090.0	4932	2399.0	1880.0	1090.0	4933	2474.0	1880.0	1090.0
4934	2549.0	1880.0	1090.0	4935	2624.0	1880.0	1090.0	4936	2704.0	1880.0	1090.0
4937	2784.0	1880.0	1090.0	4938	2864.0	1880.0	1090.0	4939	2944.0	1880.0	1090.0
4940	3024.0	1880.0	1090.0	4941	3104.0	1880.0	1090.0	4942	3184.0	1880.0	1090.0
4943	3264.0	1880.0	1090.0	4944	3339.0	1880.0	1090.0	4945	3414.0	1880.0	1090.0
4946	3499.0	1880.0	1090.0	4947	3584.0	1880.0	1090.0				

Numerazione nodi ed elementi shell









3.10.3.2 MODELLAZIONE STRUTTURA: ELEMENTI SHELL

TABELLA DATI SHELL

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
4780	Guscio	4505	4506	4535	4534	4	25.0		
4781	Guscio	4506	4507	4536	4535	4	25.0		
4782	Guscio	4507	4508	4537	4536	4	25.0		
4783	Guscio	4508	4509	4538	4537	4	25.0		
4784	Guscio	4509	4510	4539	4538	4	25.0		
4785	Guscio	4510	4511	4540	4539	4	25.0		
4786	Guscio	4511	4512	4541	4540	4	25.0		
4787	Guscio	4512	4513	4542	4541	4	25.0		
4788	Guscio	4513	4514	4543	4542	4	25.0		
4789	Guscio	4514	4515	4544	4543	4	25.0		
4790	Guscio	4515	4516	4545	4544	4	25.0		
4791	Guscio	4516	4517	4546	4545	4	25.0		
4792	Guscio	4517	4518	4547	4546	4	25.0		
4793	Guscio	4518	4519	4548	4547	4	25.0		
4794	Guscio	4519	4520	4549	4548	4	25.0		
4795	Guscio	4520	4521	4550	4549	4	25.0		
4796	Guscio	4521	4522	4551	4550	4	25.0		
4797	Guscio	4522	4523	4552	4551	4	25.0		
4798	Guscio	4523	4524	4553	4552	4	25.0		
4799	Guscio	4524	4525	4554	4553	4	25.0		
4800	Guscio	4525	4526	4555	4554	4	25.0		
4801	Guscio	4526	4527	4556	4555	4	25.0		
4802	Guscio	4527	4528	4557	4556	4	25.0		
4803	Guscio	4528	4529	4558	4557	4	25.0		
4804	Guscio	4529	4530	4559	4558	4	25.0		
4805	Guscio	4530	4531	4560	4559	4	25.0		
4807	Guscio	4534	4535	4564	4563	4	25.0		
4808	Guscio	4535	4536	4565	4564	4	25.0		
4809	Guscio	4536	4537	4566	4565	4	25.0		
4810	Guscio	4537	4538	4567	4566	4	25.0		
4811	Guscio	4538	4539	4568	4567	4	25.0		
4812	Guscio	4539	4540	4569	4568	4	25.0		
4813	Guscio	4540	4541	4570	4569	4	25.0		
4814	Guscio	4541	4542	4571	4570	4	25.0		
4815	Guscio	4542	4543	4572	4571	4	25.0		
4816	Guscio	4543	4544	4573	4572	4	25.0		
4817	Guscio	4544	4545	4574	4573	4	25.0		
4818	Guscio	4545	4546	4575	4574	4	25.0		
4819	Guscio	4546	4547	4576	4575	4	25.0		
4820	Guscio	4547	4548	4577	4576	4	25.0		
4821	Guscio	4548	4549	4578	4577	4	25.0		
4822	Guscio	4549	4550	4579	4578	4	25.0		
4823	Guscio	4550	4551	4580	4579	4	25.0		
4824	Guscio	4551	4552	4581	4580	4	25.0		
4825	Guscio	4552	4553	4582	4581	4	25.0		
4826	Guscio	4553	4554	4583	4582	4	25.0		
4827	Guscio	4554	4555	4584	4583	4	25.0		
4828	Guscio	4555	4556	4585	4584	4	25.0		
4829	Guscio	4556	4557	4586	4585	4	25.0		
4830	Guscio	4557	4558	4587	4586	4	25.0		
4831	Guscio	4558	4559	4588	4587	4	25.0		
4832	Guscio	4559	4560	4589	4588	4	25.0		
4833	Guscio	4614	4615	4644	4643	4	25.0		
4834	Guscio	4615	4616	4645	4644	4	25.0		
4835	Guscio	4616	4617	4646	4645	4	25.0		
4836	Guscio	4617	4618	4647	4646	4	25.0		
4837	Guscio	4618	4619	4648	4647	4	25.0		
4838	Guscio	4619	4620	4649	4648	4	25.0		
4839	Guscio	4620	4621	4650	4649	4	25.0		
4840	Guscio	4621	4622	4651	4650	4	25.0		
4841	Guscio	4622	4623	4652	4651	4	25.0		
4842	Guscio	4623	4624	4653	4652	4	25.0		
4843	Guscio	4624	4625	4654	4653	4	25.0		
4844	Guscio	4625	4626	4655	4654	4	25.0		
4845	Guscio	4626	4627	4656	4655	4	25.0		
4846	Guscio	4627	4628	4657	4656	4	25.0		
4847	Guscio	4628	4629	4658	4657	4	25.0		
4848	Guscio	4629	4630	4659	4658	4	25.0		

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
4849	Guscio	4630	4631	4660	4659	4	25.0		
4850	Guscio	4631	4632	4661	4660	4	25.0		
4851	Guscio	4632	4633	4662	4661	4	25.0		
4852	Guscio	4633	4634	4663	4662	4	25.0		
4853	Guscio	4634	4635	4664	4663	4	25.0		
4854	Guscio	4635	4636	4665	4664	4	25.0		
4855	Guscio	4636	4637	4666	4665	4	25.0		
4856	Guscio	4637	4638	4667	4666	4	25.0		
4857	Guscio	4638	4639	4668	4667	4	25.0		
4858	Guscio	4639	4640	4669	4668	4	25.0		
4859	Guscio	4640	4641	4670	4669	4	25.0		
4860	Guscio	4641	4642	4671	4670	4	25.0		
4861	Guscio	4643	4644	4673	4672	4	25.0		
4862	Guscio	4644	4645	4674	4673	4	25.0		
4863	Guscio	4645	4646	4675	4674	4	25.0		
4864	Guscio	4646	4647	4676	4675	4	25.0		
4865	Guscio	4647	4648	4677	4676	4	25.0		
4866	Guscio	4648	4649	4678	4677	4	25.0		
4867	Guscio	4649	4650	4679	4678	4	25.0		
4868	Guscio	4650	4651	4680	4679	4	25.0		
4869	Guscio	4651	4652	4681	4680	4	25.0		
4870	Guscio	4652	4653	4682	4681	4	25.0		
4871	Guscio	4653	4654	4683	4682	4	25.0		
4872	Guscio	4654	4655	4684	4683	4	25.0		
4873	Guscio	4655	4656	4685	4684	4	25.0		
4874	Guscio	4656	4657	4686	4685	4	25.0		
4875	Guscio	4657	4658	4687	4686	4	25.0		
4876	Guscio	4658	4659	4688	4687	4	25.0		
4877	Guscio	4659	4660	4689	4688	4	25.0		
4878	Guscio	4660	4661	4690	4689	4	25.0		
4879	Guscio	4661	4662	4691	4690	4	25.0		
4880	Guscio	4662	4663	4692	4691	4	25.0		
4881	Guscio	4663	4664	4693	4692	4	25.0		
4882	Guscio	4664	4665	4694	4693	4	25.0		
4883	Guscio	4665	4666	4695	4694	4	25.0		
4884	Guscio	4666	4667	4696	4695	4	25.0		
4885	Guscio	4667	4668	4697	4696	4	25.0		
4886	Guscio	4668	4669	4698	4697	4	25.0		
4887	Guscio	4669	4670	4699	4698	4	25.0		
4888	Guscio	4670	4671	4700	4699	4	25.0		
4889	Guscio	4672	4673	4702	4701	4	25.0		
4890	Guscio	4673	4674	4703	4702	4	25.0		
4891	Guscio	4674	4675	4704	4703	4	25.0		
4892	Guscio	4675	4676	4705	4704	4	25.0		
4893	Guscio	4676	4677	4706	4705	4	25.0		
4894	Guscio	4677	4678	4707	4706	4	25.0		
4895	Guscio	4678	4679	4708	4707	4	25.0		
4896	Guscio	4679	4680	4709	4708	4	25.0		
4897	Guscio	4680	4681	4710	4709	4	25.0		
4898	Guscio	4681	4682	4711	4710	4	25.0		
4899	Guscio	4682	4683	4712	4711	4	25.0		
4900	Guscio	4683	4684	4713	4712	4	25.0		
4901	Guscio	4684	4685	4714	4713	4	25.0		
4902	Guscio	4685	4686	4715	4714	4	25.0		
4903	Guscio	4686	4687	4716	4715	4	25.0		
4904	Guscio	4687	4688	4717	4716	4	25.0		
4905	Guscio	4688	4689	4718	4717	4	25.0		
4906	Guscio	4689	4690	4719	4718	4	25.0		
4907	Guscio	4690	4691	4720	4719	4	25.0		
4908	Guscio	4691	4692	4721	4720	4	25.0		
4909	Guscio	4692	4693	4722	4721	4	25.0		
4910	Guscio	4693	4694	4723	4722	4	25.0		
4911	Guscio	4694	4695	4724	4723	4	25.0		
4912	Guscio	4695	4696	4725	4724	4	25.0		
4913	Guscio	4696	4697	4726	4725	4	25.0		
4914	Guscio	4697	4698	4727	4726	4	25.0		
4915	Guscio	4698	4699	4728	4727	4	25.0		
4916	Guscio	4699	4700	4729	4728	4	25.0		
4917	Guscio	4752	4753	4782	4781	4	25.0		
4918	Guscio	4753	4754	4783	4782	4	25.0		
4919	Guscio	4754	4755	4784	4783	4	25.0		
4920	Guscio	4755	4756	4785	4784	4	25.0		
4921	Guscio	4756	4757	4786	4785	4	25.0		
4922	Guscio	4757	4758	4787	4786	4	25.0		

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
4923	Guscio	4758	4759	4788	4787	4	25.0		
4924	Guscio	4759	4760	4789	4788	4	25.0		
4925	Guscio	4760	4761	4790	4789	4	25.0		
4926	Guscio	4761	4762	4791	4790	4	25.0		
4927	Guscio	4762	4763	4792	4791	4	25.0		
4928	Guscio	4763	4764	4793	4792	4	25.0		
4929	Guscio	4764	4765	4794	4793	4	25.0		
4930	Guscio	4765	4766	4795	4794	4	25.0		
4931	Guscio	4766	4767	4796	4795	4	25.0		
4932	Guscio	4767	4768	4797	4796	4	25.0		
4933	Guscio	4768	4769	4798	4797	4	25.0		
4934	Guscio	4769	4770	4799	4798	4	25.0		
4935	Guscio	4770	4771	4800	4799	4	25.0		
4936	Guscio	4771	4772	4801	4800	4	25.0		
4937	Guscio	4772	4773	4802	4801	4	25.0		
4938	Guscio	4773	4774	4803	4802	4	25.0		
4939	Guscio	4774	4775	4804	4803	4	25.0		
4940	Guscio	4775	4776	4805	4804	4	25.0		
4941	Guscio	4776	4777	4806	4805	4	25.0		
4942	Guscio	4777	4778	4807	4806	4	25.0		
4943	Guscio	4778	4779	4808	4807	4	25.0		
4944	Guscio	4779	4780	4809	4808	4	25.0		
4945	Guscio	4781	4782	4811	4810	4	25.0		
4946	Guscio	4782	4783	4812	4811	4	25.0		
4947	Guscio	4783	4784	4813	4812	4	25.0		
4948	Guscio	4784	4785	4814	4813	4	25.0		
4949	Guscio	4785	4786	4815	4814	4	25.0		
4950	Guscio	4786	4787	4816	4815	4	25.0		
4951	Guscio	4787	4788	4817	4816	4	25.0		
4952	Guscio	4788	4789	4818	4817	4	25.0		
4953	Guscio	4789	4790	4819	4818	4	25.0		
4954	Guscio	4790	4791	4820	4819	4	25.0		
4955	Guscio	4791	4792	4821	4820	4	25.0		
4956	Guscio	4792	4793	4822	4821	4	25.0		
4957	Guscio	4793	4794	4823	4822	4	25.0		
4958	Guscio	4794	4795	4824	4823	4	25.0		
4959	Guscio	4795	4796	4825	4824	4	25.0		
4960	Guscio	4796	4797	4826	4825	4	25.0		
4961	Guscio	4797	4798	4827	4826	4	25.0		
4962	Guscio	4798	4799	4828	4827	4	25.0		
4963	Guscio	4799	4800	4829	4828	4	25.0		
4964	Guscio	4800	4801	4830	4829	4	25.0		
4965	Guscio	4801	4802	4831	4830	4	25.0		
4966	Guscio	4802	4803	4832	4831	4	25.0		
4967	Guscio	4803	4804	4833	4832	4	25.0		
4968	Guscio	4804	4805	4834	4833	4	25.0		
4969	Guscio	4805	4806	4835	4834	4	25.0		
4970	Guscio	4806	4807	4836	4835	4	25.0		
4971	Guscio	4807	4808	4837	4836	4	25.0		
4972	Guscio	4808	4809	4838	4837	4	25.0		
4973	Guscio	4810	4811	4840	4839	4	25.0		
4974	Guscio	4811	4812	4841	4840	4	25.0		
4975	Guscio	4812	4813	4842	4841	4	25.0		
4976	Guscio	4813	4814	4843	4842	4	25.0		
4977	Guscio	4814	4815	4844	4843	4	25.0		
4978	Guscio	4815	4816	4845	4844	4	25.0		
4979	Guscio	4816	4817	4846	4845	4	25.0		
4980	Guscio	4817	4818	4847	4846	4	25.0		
4981	Guscio	4818	4819	4848	4847	4	25.0		
4982	Guscio	4819	4820	4849	4848	4	25.0		
4983	Guscio	4820	4821	4850	4849	4	25.0		
4984	Guscio	4821	4822	4851	4850	4	25.0		
4985	Guscio	4822	4823	4852	4851	4	25.0		
4986	Guscio	4823	4824	4853	4852	4	25.0		
4987	Guscio	4824	4825	4854	4853	4	25.0		
4988	Guscio	4825	4826	4855	4854	4	25.0		
4989	Guscio	4826	4827	4856	4855	4	25.0		
4990	Guscio	4827	4828	4857	4856	4	25.0		
4991	Guscio	4828	4829	4858	4857	4	25.0		
4992	Guscio	4829	4830	4859	4858	4	25.0		
4993	Guscio	4830	4831	4860	4859	4	25.0		
4994	Guscio	4831	4832	4861	4860	4	25.0		
4995	Guscio	4832	4833	4862	4861	4	25.0		
4996	Guscio	4833	4834	4863	4862	4	25.0		

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
4997	Guscio	4834	4835	4864	4863	4	25.0		
4998	Guscio	4835	4836	4865	4864	4	25.0		
4999	Guscio	4836	4837	4866	4865	4	25.0		
5000	Guscio	4837	4838	4867	4866	4	25.0		
5001	Guscio	4890	4891	4920	4919	4	25.0		
5002	Guscio	4891	4892	4921	4920	4	25.0		
5003	Guscio	4892	4893	4922	4921	4	25.0		
5004	Guscio	4893	4894	4923	4922	4	25.0		
5005	Guscio	4894	4895	4924	4923	4	25.0		
5006	Guscio	4895	4896	4925	4924	4	25.0		
5007	Guscio	4896	4897	4926	4925	4	25.0		
5008	Guscio	4897	4898	4927	4926	4	25.0		
5009	Guscio	4898	4899	4928	4927	4	25.0		
5010	Guscio	4899	4900	4929	4928	4	25.0		
5011	Guscio	4900	4901	4930	4929	4	25.0		
5012	Guscio	4901	4902	4931	4930	4	25.0		
5013	Guscio	4902	4903	4932	4931	4	25.0		
5014	Guscio	4903	4904	4933	4932	4	25.0		
5015	Guscio	4904	4905	4934	4933	4	25.0		
5016	Guscio	4905	4906	4935	4934	4	25.0		
5017	Guscio	4906	4907	4936	4935	4	25.0		
5018	Guscio	4907	4908	4937	4936	4	25.0		
5019	Guscio	4908	4909	4938	4937	4	25.0		
5020	Guscio	4909	4910	4939	4938	4	25.0		
5021	Guscio	4910	4911	4940	4939	4	25.0		
5022	Guscio	4911	4912	4941	4940	4	25.0		
5023	Guscio	4912	4913	4942	4941	4	25.0		
5024	Guscio	4913	4914	4943	4942	4	25.0		
5025	Guscio	4914	4915	4944	4943	4	25.0		
5026	Guscio	4915	4916	4945	4944	4	25.0		
5027	Guscio	4916	4917	4946	4945	4	25.0		
5028	Guscio	4917	4918	4947	4946	4	25.0		

3.10.3.3 VERIFICHE ELEMENTI PARETE E GUSCIO IN C.A.

TABELLA VERIFICHE ELEMENTI GUSCIO IN C.A.

M_G	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
65	ok 4505	0.16	0.5	1.12e-02	7.7	7.7	7.7	7.7	24.9	60.2	13.8	-284.7	-2692.9	-28.8
65	ok 4506	0.16	0.3	2.70e-02	7.7	7.7	7.7	7.7	-44.5	20.1	48.7	-430.1	-1545.2	-15.6
65	ok 4507	0.16	0.2	4.16e-02	7.7	7.7	7.7	7.7	35.8	12.0	-13.3	-78.3	-980.6	-168.5
65	ok 4508	0.16	0.2	4.93e-02	7.7	7.7	7.7	7.7	48.3	14.4	-61.8	-181.6	-1159.7	-125.3
65	ok 4509	0.16	0.2	5.35e-02	7.7	7.7	7.7	7.7	41.8	10.6	-88.1	-236.8	-1210.8	-86.7
65	ok 4510	0.16	0.2	4.72e-02	7.7	7.7	7.7	7.7	68.6	10.8	-87.6	-282.6	-1312.9	-145.1
65	ok 4511	0.16	0.3	3.75e-02	7.7	7.7	7.7	7.7	94.9	13.0	-67.2	-335.9	-1653.0	-190.9
65	ok 4512	0.16	0.4	2.97e-02	7.7	7.7	7.7	7.7	122.7	18.1	-56.8	-394.0	-2032.5	-176.9
65	ok 4513	0.16	0.5	2.47e-02	7.7	7.7	7.7	7.7	145.3	20.2	-49.5	-422.6	-2200.1	-69.9
65	ok 4514	0.16	0.5	1.71e-02	7.7	7.7	7.7	7.7	163.6	16.8	-38.2	-408.8	-2115.1	-2.4
65	ok 4515	0.16	0.4	9.60e-03	7.7	7.7	7.7	7.7	169.3	15.0	-22.4	-397.2	-2033.9	-18.8
65	ok 4516	0.16	0.4	1.06e-02	7.7	7.7	7.7	7.7	157.7	16.1	-9.7	-405.3	-2077.5	-50.1
65	ok 4517	0.16	0.4	1.63e-02	7.7	7.7	7.7	7.7	205.3	15.7	-18.4	-430.4	-2170.1	-64.2
65	ok 4518	0.16	0.4	1.76e-02	7.7	7.7	7.7	7.7	196.5	17.9	-18.8	-438.7	-2222.0	-40.4
65	ok 4519	0.16	0.4	1.61e-02	7.7	7.7	7.7	7.7	182.7	17.2	-13.8	-444.6	-2232.3	-12.5
65	ok 4520	0.16	0.4	1.58e-02	7.7	7.7	7.7	7.7	161.0	17.7	-8.0	-445.2	-2210.2	39.3
65	ok 4521	0.16	0.4	1.90e-02	7.7	7.7	7.7	7.7	137.7	15.4	-14.7	-442.3	-2146.6	60.6
65	ok 4522	0.16	0.4	2.14e-02	7.7	7.7	7.7	7.7	157.9	13.5	37.3	-419.1	-2048.4	113.8
65	ok 4523	0.16	0.3	2.27e-02	7.7	7.7	7.7	7.7	154.3	12.0	54.2	-400.2	-1852.7	104.7
65	ok 4524	0.16	0.3	2.65e-02	7.7	7.7	7.7	7.7	127.9	22.5	68.9	-385.5	-1777.9	89.0
65	ok 4525	0.16	0.3	2.78e-02	7.7	7.7	7.7	7.7	80.1	25.8	77.5	-388.5	-1783.8	127.5
65	ok 4526	0.16	0.3	2.69e-02	7.7	7.7	7.7	7.7	49.2	21.0	69.5	-357.2	-1573.5	219.4
65	ok 4527	0.16	0.2	2.36e-02	7.7	7.7	7.7	7.7	47.3	13.4	69.8	-286.0	-1173.6	193.5
65	ok 4528	0.16	0.2	2.53e-02	7.7	7.7	7.7	7.7	59.4	9.2	58.0	-202.0	-871.4	89.8
65	ok 4529	0.16	9.42e-02	3.07e-02	7.7	7.7	7.7	7.7	29.2	5.4	83.8	-142.4	-542.2	51.3
65	ok 4530	0.16	4.63e-02	3.18e-02	7.7	7.7	7.7	7.7	-2.0	1.9	96.1	-34.5	-157.3	-97.0
65	ok 4531	0.16	5.18e-02	1.30e-02	7.7	7.7	7.7	7.7	-12.6	1.3	43.1	237.2	178.0	-86.5
65	ok 4534	0.16	0.4	5.20e-02	7.7	7.7	7.7	7.7	41.3	-88.7	-2.1	-919.1	-1487.4	916.9
65	ok 4535	0.16	0.3	5.00e-02	7.7	7.7	7.7	7.7	87.6	126.0	173.3	-853.2	-923.0	823.1
65	ok 4536	0.16	0.3	4.89e-02	7.7	7.7	7.7	7.7	-26.1	40.9	11.4	615.5	-949.0	-510.9

M_G	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
65	ok 4537	0.16	0.6	4.82e-02	8.2	7.7	8.2	7.7	139.4	59.8	-221.6	72.5	-760.4	-11.4
65	ok 4538	0.16	0.2	6.21e-02	7.7	7.7	7.7	7.7	90.1	-9.0	-285.6	-467.4	-646.2	-49.3
65	ok 4539	0.16	0.2	6.28e-02	7.7	7.7	7.7	7.7	217.9	24.3	-310.0	-637.6	-136.3	-321.5
65	ok 4540	0.17	0.6	4.96e-02	7.7	8.5	7.7	8.5	330.6	-25.3	-273.4	-177.2	270.5	-849.9
65	ok 4541	0.17	0.7	5.14e-02	7.7	9.7	7.7	9.7	381.2	-83.4	-267.3	916.6	345.1	-538.5
65	ok 4542	0.17	0.7	3.24e-02	7.7	9.0	7.7	8.4	499.6	-90.8	-148.4	636.8	377.1	51.7
65	ok 4543	0.16	0.2	2.49e-02	7.7	7.7	7.7	7.7	438.5	-27.4	-6.3	-46.2	387.7	150.0
65	ok 4544	0.16	0.2	1.45e-02	7.7	7.7	7.7	7.7	270.2	-5.0	-74.5	-207.8	-245.1	-113.9
65	ok 4545	0.16	0.1	1.72e-02	7.7	7.7	7.7	7.7	85.9	17.6	52.9	-90.1	-400.5	-56.4
65	ok 4546	0.16	0.1	2.04e-02	7.7	7.7	7.7	7.7	-53.3	31.9	-3.0	-152.7	-465.9	-47.1
65	ok 4547	0.16	0.2	1.50e-02	7.7	7.7	7.7	7.7	432.3	-25.7	-2.3	229.4	341.5	-14.7
65	ok 4548	0.16	0.1	2.06e-02	7.7	7.7	7.7	7.7	-33.3	25.1	-22.4	-106.2	-467.2	-34.8
65	ok 4549	0.16	8.65e-02	9.82e-03	7.7	7.7	7.7	7.7	86.2	24.4	37.0	101.0	-485.6	27.5
65	ok 4550	0.16	0.1	1.63e-02	7.7	7.7	7.7	7.7	189.0	38.9	-39.9	-152.9	-572.3	45.5
65	ok 4551	0.16	0.1	1.72e-02	7.7	7.7	7.7	7.7	55.4	51.4	-82.0	-169.1	-575.8	70.5
65	ok 4552	0.16	9.91e-02	2.14e-02	7.7	7.7	7.7	7.7	-47.8	-4.2	38.7	-263.2	-515.4	162.6
65	ok 4553	0.16	0.1	2.59e-02	7.7	7.7	7.7	7.7	-60.7	44.5	26.4	-347.9	-471.4	34.7
65	ok 4554	0.16	0.2	2.46e-02	7.7	7.7	7.7	7.7	43.9	68.4	59.1	192.8	-659.7	91.3
65	ok 4555	0.16	0.1	2.62e-02	7.7	7.7	7.7	7.7	6.2	-9.1	79.6	164.7	-542.3	370.0
65	ok 4556	0.16	0.1	3.06e-02	7.7	7.7	7.7	7.7	65.6	-5.7	86.8	-261.2	-462.9	405.3
65	ok 4557	0.16	0.1	3.65e-02	7.7	7.7	7.7	7.7	45.6	-20.2	111.6	-321.2	-397.7	282.0
65	ok 4558	0.16	7.67e-02	3.96e-02	7.7	7.7	7.7	7.7	0.3	-12.0	110.9	-224.6	-396.8	163.3
65	ok 4559	0.16	9.06e-02	2.67e-02	7.7	7.7	7.7	7.7	80.6	41.0	125.7	-177.5	-301.0	333.9
65	ok 4560	0.16	0.1	1.68e-02	7.7	7.7	7.7	7.7	13.5	134.3	4.6	610.8	180.1	-29.4
65	ok 4563	0.16	0.5	0.1	7.7	7.7	7.7	7.7	-132.0	-407.5	165.9	2203.5	-200.3	301.4
65	ok 4564	0.16	0.6	0.1	7.7	7.7	7.7	7.7	98.6	249.1	-70.1	-1629.8	64.1	1372.7
65	ok 4565	0.22	0.4	1.22e-02	16.1	15.8	17.9	17.4	41.5	253.6	94.1	2645.6	1258.3	303.0
65	ok 4566	0.16	0.3	8.65e-02	7.7	7.7	7.7	7.7	76.9	-89.5	-69.0	424.2	1725.4	-67.7
65	ok 4567	0.16	0.5	3.47e-02	7.7	7.7	7.7	7.7	87.3	163.6	8.5	392.0	1725.4	17.8
65	ok 4568	0.16	0.6	8.99e-02	8.2	7.7	8.2	7.7	-15.9	-46.8	-145.4	-34.1	1394.5	-90.5
65	ok 4569	0.19	0.8	0.1	10.5	13.3	10.5	13.3	71.3	-30.3	-166.6	350.8	2105.2	53.8
65	ok 4570	0.22	0.9	7.56e-02	9.3	18.1	9.1	16.1	757.4	-92.0	-381.7	1707.5	4063.4	-299.3
65	ok 4571	0.20	0.9	0.1	7.7	15.6	7.7	9.7	726.5	-443.8	-161.8	2130.7	3754.3	-296.1
65	ok 4572	0.16	0.6	3.40e-02	7.7	7.7	7.7	7.7	171.4	-7.3	14.2	503.6	2759.6	-123.4
65	ok 4573	0.16	0.4	3.05e-02	7.7	7.7	7.7	7.7	121.6	-12.3	-8.5	397.6	2497.4	-37.7
65	ok 4574	0.16	0.6	2.54e-02	7.7	7.7	7.7	7.7	146.7	-11.4	-15.3	543.9	2719.6	36.0
65	ok 4575	0.17	0.7	1.74e-02	7.7	8.9	7.7	7.9	462.1	15.2	9.0	952.4	2985.4	100.0
65	ok 4576	0.16	0.5	3.14e-02	7.7	7.7	7.7	7.7	160.5	-59.1	-2.1	715.0	3115.2	25.6
65	ok 4577	0.16	0.7	2.06e-02	7.7	8.0	7.7	8.0	196.8	42.3	66.3	748.4	3349.0	18.9
65	ok 4578	0.16	0.5	2.06e-02	7.7	7.7	7.7	7.7	189.9	-69.1	-3.8	662.4	3046.1	-34.0
65	ok 4579	0.16	0.7	6.68e-03	7.7	8.2	7.7	8.2	242.0	131.9	-42.6	664.3	3054.3	-84.2
65	ok 4580	0.16	0.5	2.85e-02	7.7	7.7	7.7	7.7	230.3	-49.7	70.2	747.1	2508.6	60.5
65	ok 4581	0.16	0.4	3.27e-02	7.7	7.7	7.7	7.7	246.8	-23.7	16.5	446.3	2514.6	266.6
65	ok 4582	0.16	0.4	4.62e-02	7.7	7.7	7.7	7.7	167.9	-176.0	-26.6	410.9	2998.6	-118.4
65	ok 4583	0.17	0.7	3.84e-02	7.7	9.3	7.7	8.5	360.2	-144.0	76.4	1205.0	2791.7	-192.6
65	ok 4584	0.18	0.8	3.89e-02	7.9	10.6	7.9	9.2	275.1	-53.9	95.9	835.6	2588.8	52.3
65	ok 4585	0.16	0.5	6.43e-02	7.7	7.7	7.7	7.7	173.4	-16.3	129.3	256.8	1786.3	3.8
65	ok 4586	0.16	0.2	6.85e-02	7.7	7.7	7.7	7.7	62.2	-67.9	159.1	-459.7	882.5	191.8
65	ok 4587	0.16	0.2	6.95e-02	7.7	7.7	7.7	7.7	144.7	-90.6	115.3	470.3	1051.0	-2.5
65	ok 4588	0.16	0.1	6.07e-02	7.7	7.7	7.7	7.7	33.3	30.8	70.4	11.7	383.0	59.3
65	ok 4589	0.16	0.2	5.09e-02	7.7	7.7	7.7	7.7	174.8	253.9	241.0	-537.5	-183.3	212.1

M_G	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
								-132.03	-443.85	-381.75	-1629.81	-2692.86	-849.86
	0.22	0.88	0.13	16.06	18.14	17.94	17.35	757.40	253.91	240.99	2645.63	4063.42	1372.66

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M_G	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
68	ok 4890	0.16	0.7	0.1	8.0	7.7	8.0	7.7	37.8	178.8	54.7	-2619.6	-251.7	-211.6
68	ok 4891	0.20	0.9	3.71e-02	14.0	11.5	9.4	9.9	242.0	-74.8	-91.4	-547.0	51.8	-526.0
68	ok 4892	0.25	0.8	0.0	22.3	25.7	13.2	15.0	284.3	85.1	-65.6	2943.5	518.7	-189.3
68	ok 4893	0.16	0.3	4.42e-02	7.7	7.7	7.7	7.7	199.2	-39.2	-2.2	102.9	419.3	218.4
68	ok 4894	0.16	0.3	2.39e-02	7.7	7.7	7.7	7.7	86.6	134.9	184.0	-130.5	575.8	200.3
68	ok 4895	0.17	0.6	5.01e-02	7.9	8.4	7.9	8.4	110.5	-3.5	61.4	144.7	661.3	38.1
68	ok 4896	0.16	0.6	5.95e-02	7.7	8.3	7.7	8.3	172.5	-11.1	73.4	216.3	780.0	-82.6
68	ok 4897	0.16	0.6	6.45e-02	7.7	7.7	7.7	7.7	286.3	-68.1	306.3	-58.9	986.9	269.6
68	ok 4898	0.17	0.8	4.31e-02	7.7	9.6	7.7	8.5	565.8	-68.4	-101.6	417.6	-222.4	-325.5
68	ok 4899	0.18	0.7	2.74e-02	10.3	9.2	8.8	7.7	641.8	130.8	-60.9	-138.9	-963.5	450.3
68	ok 4900	0.17	0.5	2.18e-02	9.3	9.4	7.7	7.7	362.7	-8.3	-39.3	250.5	702.4	104.1
68	ok 4901	0.17	0.6	1.26e-02	8.6	9.2	7.7	7.7	410.0	29.5	-51.2	228.2	583.9	40.6

M_G	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
68	ok 4902	0.17	0.7	1.59e-02	8.6	9.5	7.7	7.7	396.1	-43.2	-62.2	398.6	548.7	-45.2
68	ok 4903	0.16	0.6	1.69e-02	7.7	8.1	7.7	7.7	470.5	-66.1	37.9	194.6	761.8	5.3
68	ok 4904	0.17	0.8	1.68e-02	7.8	10.0	7.8	8.9	578.1	48.1	-109.3	440.0	-32.7	-402.3
68	ok 4905	0.17	0.6	2.79e-02	9.4	8.7	8.4	7.8	599.2	66.5	-76.7	-76.0	-600.7	268.8
68	ok 4906	0.17	0.4	1.38e-02	8.4	8.6	8.0	7.9	25.9	16.3	-50.0	288.9	620.7	50.4
68	ok 4907	0.16	0.1	2.53e-02	7.7	7.7	7.7	7.7	181.1	2.6	-10.7	204.6	661.0	-30.0
68	ok 4908	0.16	0.1	2.14e-02	7.7	7.7	7.7	7.7	117.5	-9.2	-22.3	216.5	792.2	-91.3
68	ok 4909	0.16	0.2	2.26e-02	7.7	7.7	7.7	7.7	177.4	-90.7	-16.8	225.9	1005.7	143.8
68	ok 4910	0.16	0.2	3.74e-02	7.7	7.7	7.7	7.7	237.4	19.6	-127.6	352.5	-60.3	-287.1
68	ok 4911	0.16	0.2	5.04e-02	7.7	7.7	7.7	7.7	217.2	92.0	-81.4	-292.7	-739.1	276.6
68	ok 4912	0.16	0.1	4.66e-02	7.7	7.7	7.7	7.7	97.3	-8.7	-34.1	177.8	759.9	60.2
68	ok 4913	0.16	0.1	3.70e-02	7.7	7.7	7.7	7.7	73.0	20.2	-54.4	136.9	606.9	-56.9
68	ok 4914	0.16	0.1	3.44e-02	7.7	7.7	7.7	7.7	60.2	-62.8	-85.5	255.1	555.6	-100.5
68	ok 4915	0.16	8.41e-02	2.30e-02	7.7	7.7	7.7	7.7	9.1	-43.5	6.5	120.1	439.7	-128.7
68	ok 4916	0.21	0.8	2.95e-02	7.7	17.4	7.7	10.8	512.3	131.2	162.1	4799.5	680.1	92.6
68	ok 4917	0.16	0.6	3.23e-02	7.7	7.8	7.7	7.8	337.5	-45.2	-73.4	1488.9	349.3	170.2
68	ok 4918	0.19	0.7	7.79e-02	9.1	12.4	7.7	7.7	-49.0	12.4	170.7	-4502.1	-227.3	194.9
68	ok 4919	0.19	0.8	2.82e-02	12.7	7.7	10.7	7.7	377.0	145.1	-111.7	-3624.9	-218.0	230.4
68	ok 4920	0.16	0.2	0.2	7.7	7.7	7.7	7.7	-176.5	79.3	-133.9	434.9	97.7	-666.4
68	ok 4921	0.16	0.5	0.3	7.7	7.7	7.7	7.7	-670.1	-5.4	19.6	3430.7	606.2	46.6
68	ok 4922	0.16	0.1	0.2	7.7	7.7	7.7	7.7	-639.6	-15.4	115.2	494.4	59.6	306.7
68	ok 4923	0.16	9.52e-02	0.1	7.7	7.7	7.7	7.7	-336.4	-24.1	55.7	-366.1	-106.7	386.1
68	ok 4924	0.16	7.56e-02	6.01e-02	7.7	7.7	7.7	7.7	-94.0	16.5	46.8	-285.8	-38.3	136.2
68	ok 4925	0.17	0.5	2.79e-02	8.9	9.3	8.0	8.3	594.6	10.4	91.7	66.0	104.0	197.1
68	ok 4926	0.21	0.6	1.12e-02	16.0	15.1	8.1	8.1	1036.4	-44.4	33.1	-393.8	52.4	-13.5
68	ok 4927	0.24	0.8	0.0	23.0	19.1	9.2	8.0	797.7	23.8	-50.1	3591.2	725.3	-504.8
68	ok 4928	0.19	0.6	8.64e-03	11.8	11.3	8.1	7.7	671.2	-14.4	-41.9	345.0	115.3	345.0
68	ok 4929	0.18	0.7	4.38e-03	11.1	10.1	7.7	7.7	628.1	-16.2	19.0	-345.4	-153.8	369.0
68	ok 4930	0.18	0.7	5.85e-03	10.5	10.2	7.7	7.7	691.7	-2.5	1.5	17.1	63.9	105.5
68	ok 4931	0.18	0.4	1.78e-02	10.2	10.4	7.7	7.7	386.7	9.2	3.0	-117.1	-48.0	-149.1
68	ok 4932	0.20	0.8	1.72e-02	13.4	11.3	7.8	7.7	-72.1	-9.8	13.4	522.7	59.7	-217.9
68	ok 4933	0.21	0.8	9.30e-03	16.0	13.2	8.7	8.3	454.2	0.5	-48.9	2992.9	573.7	-520.4
68	ok 4934	0.16	0.4	3.69e-03	7.7	7.7	7.7	7.7	310.8	-11.3	7.7	-955.1	124.5	287.9
68	ok 4935	0.16	0.1	5.15e-03	7.7	7.7	7.7	7.7	163.2	8.6	-4.2	-95.1	-37.1	115.8
68	ok 4936	0.16	6.01e-02	8.58e-03	7.7	7.7	7.7	7.7	61.3	-1.3	-3.6	-2.6	68.0	-70.7
68	ok 4937	0.16	0.5	2.92e-02	7.7	7.9	7.7	7.9	513.5	13.8	46.4	130.1	81.5	74.2
68	ok 4938	0.17	0.8	4.31e-02	10.1	8.4	7.7	7.8	-176.9	7.1	18.1	225.9	5.2	-281.7
68	ok 4939	0.18	0.7	3.56e-02	11.4	7.9	7.9	7.9	97.8	-8.0	-39.4	2556.7	534.4	-454.8
68	ok 4940	0.16	0.2	1.21e-02	7.7	7.7	7.7	7.7	-4.3	9.8	-17.0	251.2	64.1	171.3
68	ok 4941	0.16	8.95e-02	2.17e-02	7.7	7.7	7.7	7.7	115.2	6.4	-37.2	41.1	108.3	-93.8
68	ok 4942	0.16	4.85e-02	4.17e-02	7.7	7.7	7.7	7.7	-88.9	5.8	-14.6	-193.6	-30.0	-92.1
68	ok 4943	0.16	7.10e-02	6.54e-02	7.7	7.7	7.7	7.7	15.1	12.3	-5.0	-181.4	-37.7	-227.1
68	ok 4944	0.16	0.1	8.78e-02	7.7	7.7	7.7	7.7	-120.1	-11.9	-30.7	131.6	122.3	-229.8
68	ok 4945	0.16	0.6	0.1	7.7	7.7	7.7	7.7	-510.2	-12.8	33.5	5741.1	828.8	-271.0
68	ok 4946	0.16	0.3	0.2	7.7	7.7	7.7	7.7	-538.6	-64.2	-95.8	1305.0	377.9	-679.7
68	ok 4947	0.17	0.8	0.2	10.5	7.7	7.7	7.7	-697.4	12.9	-142.2	5693.1	292.7	522.6
M_G		**x/d**	**verif.**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N x**	**N y**	**N xy**	**M x**	**M y**	**M xy**
									-697.41	-90.74	-142.25	-4502.14	-963.47	-679.75
		0.25	0.86	0.35	23.01	25.67	13.18	15.02	1036.39	178.80	306.31	5741.14	1005.67	522.62

L’armatura della soletta sp. 30 cm è costituita da una maglia base di 1ϕ14/20/20 inf / sup a cui si aggiungono ferri alternati con sezione variabile ove necessario.

3.10.3.5 STATI LIMITE D' ESERCIZIO

TABELLA STATI LIMITE D' ESERCIZIO

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
4780	0.13	0.34	0.0	88,88,0	0.0	0.0	0.0	0,0,0
4781	0.08	0.35	0.0	93,96,0	0.0	0.0	0.0	0,0,0
4782	0.08	0.35	0.0	95,96,0	0.0	0.0	0.0	0,0,0
4783	0.09	0.34	0.0	95,96,0	0.0	0.0	0.0	0,0,0
4784	0.09	0.37	0.0	95,96,0	0.0	0.0	0.0	0,0,0
4785	0.12	0.43	0.0	95,91,0	0.0	0.0	0.0	0,0,0
4786	0.14	0.45	0.0	95,96,0	0.0	0.0	0.0	0,0,0
4787	0.15	0.50	0.0	95,96,0	0.0	0.0	0.0	0,0,0
4788	0.15	0.50	0.0	95,96,0	0.0	0.0	0.0	0,0,0
4789	0.15	0.48	0.0	95,96,0	0.0	0.0	0.0	0,0,0
4790	0.15	0.43	0.0	95,96,0	0.0	0.0	0.0	0,0,0
4791	0.15	0.40	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4792	0.16	0.39	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4793	0.16	0.38	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4794	0.16	0.37	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4795	0.15	0.37	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4796	0.15	0.36	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4797	0.14	0.35	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4798	0.13	0.31	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4799	0.13	0.30	0.0	95,95,0	0.0	0.0	0.0	0,0,0
4800	0.13	0.30	0.0	95,95,0	0.0	0.0	0.0	0,0,0
4801	0.11	0.26	0.0	95,95,0	0.0	0.0	0.0	0,0,0
4802	0.09	0.22	0.0	95,93,0	0.0	0.0	0.0	0,0,0
4803	0.06	0.20	0.0	95,95,0	0.0	0.0	0.0	0,0,0
4804	0.04	0.23	0.0	95,93,0	0.0	0.0	0.0	0,0,0
4805	0.03	0.22	0.0	95,93,0	0.0	0.0	0.0	0,0,0
4807	0.15	0.69	0.0	93,93,0	0.0	0.0	0.0	0,0,0
4808	0.14	0.59	0.0	94,88,0	0.14	0.0	0.0	96,0,0
4809	0.12	0.59	0.0	95,96,0	0.14	0.0	0.0	96,0,0
4810	0.11	0.50	0.0	95,95,0	0.0	0.0	0.0	0,0,0
4811	0.10	0.61	0.0	95,95,0	0.0	0.0	0.0	0,0,0
4812	0.13	0.52	0.0	94,96,0	0.16	0.0	0.0	96,0,0
4813	0.18	0.51	0.0	96,96,0	0.14	0.0	0.0	96,0,0
4814	0.23	0.51	0.0	95,96,0	0.14	0.0	0.0	96,0,0
4815	0.23	0.50	0.0	95,96,0	0.15	0.0	0.0	96,0,0
4816	0.19	0.40	0.0	95,96,0	0.0	0.0	0.0	0,0,0
4817	0.19	0.45	0.0	95,93,0	0.0	0.0	0.0	0,0,0
4818	0.21	0.63	0.0	95,95,0	0.0	0.0	0.0	0,0,0
4819	0.22	0.66	0.0	96,95,0	0.0	0.0	0.0	0,0,0
4820	0.23	0.61	0.0	96,95,0	0.0	0.0	0.0	0,0,0
4821	0.23	0.65	0.0	96,95,0	0.0	0.0	0.0	0,0,0
4822	0.21	0.64	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4823	0.20	0.68	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4824	0.18	0.43	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4825	0.18	0.34	0.0	95,96,0	0.0	0.0	0.0	0,0,0
4826	0.20	0.44	0.0	95,95,0	0.0	0.0	0.0	0,0,0
4827	0.19	0.54	0.0	95,93,0	0.0	0.0	0.0	0,0,0
4828	0.17	0.49	0.0	93,96,0	0.0	0.0	0.0	0,0,0
4829	0.12	0.40	0.0	93,93,0	0.0	0.0	0.0	0,0,0
4830	0.09	0.29	0.0	95,93,0	0.0	0.0	0.0	0,0,0
4831	0.08	0.35	0.0	95,93,0	0.0	0.0	0.0	0,0,0
4832	0.04	0.56	0.0	93,93,0	0.0	0.0	0.0	0,0,0
4833	0.13	0.40	0.0	95,93,0	0.0	0.0	0.0	0,0,0
4834	0.15	0.43	0.0	95,88,0	0.0	0.0	0.0	0,0,0
4835	0.38	0.60	0.0	88,88,0	0.15	0.0	0.0	88,0,0
4836	0.38	0.75	0.0	93,93,0	0.22	0.0	0.0	93,0,0
4837	0.11	0.40	0.0	93,91,0	0.0	0.0	0.0	0,0,0
4838	0.17	0.50	0.0	93,93,0	0.0	0.0	0.0	0,0,0
4839	0.21	0.52	0.0	89,93,0	0.0	0.0	0.0	0,0,0
4840	0.44	0.68	0.0	94,94,0	0.21	0.0	0.0	94,0,0
4841	0.42	0.78	0.0	93,93,0	0.26	0.0	0.0	93,0,0
4842	0.21	0.62	0.0	88,93,0	0.0	0.0	0.0	0,0,0
4843	0.15	0.44	0.0	94,94,0	0.0	0.0	0.0	0,0,0
4844	0.17	0.36	0.0	94,94,0	0.0	0.0	0.0	0,0,0
4845	0.33	0.68	0.0	94,94,0	0.13	0.0	0.0	94,0,0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
4846	0.24	0.51	0.0	89,89,0	0.12	0.0	0.0	89,0,0
4847	0.38	0.68	0.0	94,94,0	0.15	0.0	0.0	93,0,0
4848	0.19	0.55	0.0	89,93,0	0.10	0.0	0.0	89,0,0
4849	0.17	0.47	0.0	93,93,0	0.0	0.0	0.0	0,0,0
4850	0.16	0.47	0.0	93,93,0	0.0	0.0	0.0	0,0,0
4851	0.22	0.62	0.0	93,93,0	0.0	0.0	0.0	0,0,0
4852	0.38	0.75	0.0	94,88,0	0.19	0.0	0.0	88,0,0
4853	0.40	0.77	0.0	93,93,0	0.25	0.0	0.0	93,0,0
4854	0.21	0.53	0.0	88,94,0	0.0	0.0	0.0	0,0,0
4855	0.16	0.44	0.0	94,94,0	0.0	0.0	0.0	0,0,0
4856	0.14	0.57	0.0	94,95,0	0.15	0.0	0.0	90,0,0
4857	0.33	0.47	0.0	94,94,0	0.09	0.0	0.0	96,0,0
4858	0.23	0.44	0.0	89,91,0	0.04	0.0	0.0	94,0,0
4859	0.16	0.36	0.0	94,96,0	0.0	0.0	0.0	0,0,0
4860	0.10	0.30	0.0	96,94,0	0.0	0.0	0.0	0,0,0
4861	0.18	0.51	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4862	0.16	0.47	0.0	95,95,0	0.0	0.0	0.0	0,0,0
4863	0.38	0.78	0.0	88,93,0	0.25	0.0	0.0	88,0,0
4864	0.36	0.76	0.0	93,93,0	0.23	0.0	0.0	93,0,0
4865	0.11	0.51	0.0	93,93,0	0.0	0.0	0.0	0,0,0
4866	0.17	0.60	0.0	93,93,0	0.0	0.0	0.0	0,0,0
4867	0.26	0.60	0.0	89,93,0	0.0	0.0	0.0	0,0,0
4868	0.46	0.72	0.0	94,94,0	0.25	0.0	0.0	94,0,0
4869	0.45	0.78	0.0	93,93,0	0.28	0.0	0.0	93,0,0
4870	0.26	0.70	0.0	88,94,0	0.18	0.0	0.0	94,0,0
4871	0.16	0.53	0.0	94,94,0	0.0	0.0	0.0	0,0,0
4872	0.17	0.49	0.0	94,94,0	0.0	0.0	0.0	0,0,0
4873	0.22	0.64	0.0	94,94,0	0.0	0.0	0.0	0,0,0
4874	0.28	0.68	0.0	89,89,0	0.17	0.0	0.0	89,0,0
4875	0.24	0.64	0.0	94,88,0	0.16	0.0	0.0	88,0,0
4876	0.20	0.64	0.0	93,93,0	0.0	0.0	0.0	0,0,0
4877	0.17	0.59	0.0	93,93,0	0.0	0.0	0.0	0,0,0
4878	0.17	0.58	0.0	93,93,0	0.0	0.0	0.0	0,0,0
4879	0.26	0.75	0.0	93,93,0	0.19	0.0	0.0	93,0,0
4880	0.44	0.78	0.0	94,94,0	0.28	0.0	0.0	94,0,0
4881	0.44	0.77	0.0	93,93,0	0.27	0.0	0.0	93,0,0
4882	0.25	0.66	0.0	88,94,0	0.17	0.0	0.0	94,0,0
4883	0.17	0.48	0.0	94,94,0	0.0	0.0	0.0	0,0,0
4884	0.16	0.40	0.0	94,94,0	0.0	0.0	0.0	0,0,0
4885	0.24	0.57	0.0	94,94,0	0.13	0.0	0.0	94,0,0
4886	0.22	0.53	0.0	89,89,0	0.0	0.0	0.0	0,0,0
4887	0.08	0.20	0.0	92,92,0	0.0	0.0	0.0	0,0,0
4888	0.09	0.19	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4889	0.18	0.52	0.0	96,96,0	0.13	0.0	0.0	96,0,0
4890	0.18	0.62	0.0	95,96,0	0.14	0.0	0.0	96,0,0
4891	0.33	0.75	0.0	88,93,0	0.24	0.0	0.0	93,0,0
4892	0.44	0.72	0.0	93,93,0	0.23	0.0	0.0	93,0,0
4893	0.17	0.47	0.0	91,91,0	0.0	0.0	0.0	0,0,0
4894	0.18	0.72	0.0	93,93,0	0.18	0.0	0.0	93,0,0
4895	0.31	0.72	0.0	89,93,0	0.19	0.0	0.0	93,0,0
4896	0.61	0.79	0.0	94,94,0	0.30	0.0	0.0	94,0,0
4897	0.52	0.80	0.0	93,93,0	0.30	0.0	0.0	93,0,0
4898	0.28	0.75	0.0	88,94,0	0.18	0.0	0.0	94,0,0
4899	0.18	0.61	0.0	94,94,0	0.0	0.0	0.0	0,0,0
4900	0.21	0.56	0.0	94,94,0	0.13	0.0	0.0	94,0,0
4901	0.23	0.73	0.0	94,94,0	0.18	0.0	0.0	94,0,0
4902	0.32	0.73	0.0	89,89,0	0.19	0.0	0.0	89,0,0
4903	0.30	0.74	0.0	94,88,0	0.21	0.0	0.0	88,0,0
4904	0.26	0.74	0.0	93,93,0	0.18	0.0	0.0	93,0,0
4905	0.19	0.71	0.0	93,93,0	0.18	0.0	0.0	93,0,0
4906	0.18	0.70	0.0	93,93,0	0.0	0.0	0.0	0,0,0
4907	0.27	0.75	0.0	89,93,0	0.19	0.0	0.0	93,0,0
4908	0.58	0.80	0.0	94,94,0	0.32	0.0	0.0	94,0,0
4909	0.50	0.79	0.0	93,93,0	0.28	0.0	0.0	93,0,0
4910	0.28	0.75	0.0	88,89,0	0.17	0.0	0.0	89,0,0
4911	0.19	0.56	0.0	94,94,0	0.0	0.0	0.0	0,0,0
4912	0.22	0.54	0.0	94,94,0	0.0	0.0	0.0	0,0,0
4913	0.26	0.59	0.0	94,94,0	0.14	0.0	0.0	94,0,0
4914	0.22	0.60	0.0	94,89,0	0.09	0.0	0.0	89,0,0
4915	0.11	0.26	0.0	92,96,0	0.0	0.0	0.0	0,0,0
4916	0.09	0.19	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4917	0.18	0.52	0.0	96,96,0	0.12	0.0	0.0	96,0,0
4918	0.13	0.60	0.0	95,88,0	0.19	0.0	0.0	93,0,0
4919	0.28	0.74	0.0	88,93,0	0.23	0.0	0.0	93,0,0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
4920	0.31	0.68	0.0	93,93,0	0.21	0.0	0.0	93,0,0
4921	0.11	0.71	0.0	91,93,0	0.14	0.0	0.0	91,0,0
4922	0.17	0.72	0.0	93,93,0	0.18	0.0	0.0	93,0,0
4923	0.29	0.72	0.0	89,93,0	0.18	0.0	0.0	93,0,0
4924	0.59	0.79	0.0	94,94,0	0.31	0.0	0.0	94,0,0
4925	0.63	0.81	0.0	93,93,0	0.35	0.0	0.0	93,0,0
4926	0.30	0.71	0.0	94,94,0	0.18	0.0	0.0	94,0,0
4927	0.19	0.51	0.0	94,94,0	0.0	0.0	0.0	0,0,0
4928	0.18	0.71	0.0	94,94,0	0.0	0.0	0.0	0,0,0
4929	0.28	0.75	0.0	94,94,0	0.17	0.0	0.0	94,0,0
4930	0.31	0.69	0.0	89,89,0	0.21	0.0	0.0	89,0,0
4931	0.37	0.71	0.0	94,93,0	0.19	0.0	0.0	93,0,0
4932	0.21	0.71	0.0	93,93,0	0.18	0.0	0.0	93,0,0
4933	0.25	0.73	0.0	93,93,0	0.18	0.0	0.0	93,0,0
4934	0.19	0.68	0.0	93,93,0	0.0	0.0	0.0	0,0,0
4935	0.27	0.75	0.0	93,93,0	0.20	0.0	0.0	93,0,0
4936	0.51	0.80	0.0	94,94,0	0.30	0.0	0.0	94,0,0
4937	0.61	0.79	0.0	93,93,0	0.31	0.0	0.0	93,0,0
4938	0.30	0.75	0.0	88,94,0	0.19	0.0	0.0	94,0,0
4939	0.17	0.55	0.0	94,94,0	0.0	0.0	0.0	0,0,0
4940	0.17	0.59	0.0	94,94,0	0.0	0.0	0.0	0,0,0
4941	0.26	0.53	0.0	94,94,0	0.11	0.0	0.0	94,0,0
4942	0.21	0.52	0.0	89,89,0	0.08	0.0	0.0	95,0,0
4943	0.13	0.44	0.0	92,96,0	0.04	0.0	0.0	95,0,0
4944	0.11	0.22	0.0	96,87,0	0.0	0.0	0.0	0,0,0
4945	0.18	0.65	0.0	96,91,0	0.0	0.0	0.0	0,0,0
4946	0.15	0.55	0.0	95,96,0	0.0	0.0	0.0	0,0,0
4947	0.36	0.78	0.0	88,88,0	0.23	0.0	0.0	88,0,0
4948	0.38	0.74	0.0	93,93,0	0.23	0.0	0.0	93,0,0
4949	0.11	0.62	0.0	93,93,0	0.0	0.0	0.0	0,0,0
4950	0.17	0.70	0.0	93,93,0	0.0	0.0	0.0	0,0,0
4951	0.25	0.70	0.0	89,93,0	0.0	0.0	0.0	0,0,0
4952	0.47	0.71	0.0	94,94,0	0.24	0.0	0.0	94,0,0
4953	0.47	0.78	0.0	93,93,0	0.28	0.0	0.0	93,0,0
4954	0.26	0.65	0.0	88,94,0	0.17	0.0	0.0	94,0,0
4955	0.16	0.50	0.0	94,94,0	0.0	0.0	0.0	0,0,0
4956	0.17	0.50	0.0	94,94,0	0.0	0.0	0.0	0,0,0
4957	0.23	0.65	0.0	94,94,0	0.17	0.0	0.0	94,0,0
4958	0.29	0.68	0.0	89,89,0	0.17	0.0	0.0	89,0,0
4959	0.25	0.65	0.0	94,88,0	0.0	0.0	0.0	0,0,0
4960	0.20	0.65	0.0	93,93,0	0.0	0.0	0.0	0,0,0
4961	0.18	0.58	0.0	93,93,0	0.0	0.0	0.0	0,0,0
4962	0.17	0.58	0.0	93,93,0	0.0	0.0	0.0	0,0,0
4963	0.27	0.75	0.0	93,93,0	0.19	0.0	0.0	93,0,0
4964	0.44	0.78	0.0	94,94,0	0.27	0.0	0.0	94,0,0
4965	0.45	0.78	0.0	93,93,0	0.28	0.0	0.0	93,0,0
4966	0.26	0.67	0.0	88,94,0	0.17	0.0	0.0	94,0,0
4967	0.17	0.52	0.0	94,94,0	0.0	0.0	0.0	0,0,0
4968	0.16	0.50	0.0	94,94,0	0.0	0.0	0.0	0,0,0
4969	0.24	0.51	0.0	94,94,0	0.10	0.0	0.0	94,0,0
4970	0.22	0.53	0.0	89,89,0	0.0	0.0	0.0	0,0,0
4971	0.11	0.22	0.0	92,96,0	0.0	0.0	0.0	0,0,0
4972	0.10	0.24	0.0	96,96,0	0.0	0.0	0.0	0,0,0
4973	0.14	0.65	0.0	88,93,0	0.21	0.0	0.0	88,0,0
4974	0.22	0.42	0.0	95,95,0	0.0	0.0	0.0	0,0,0
4975	0.41	0.59	0.0	88,93,0	0.13	0.0	0.0	93,0,0
4976	0.42	0.75	0.0	93,93,0	0.23	0.0	0.0	93,0,0
4977	0.11	0.39	0.0	93,91,0	0.0	0.0	0.0	0,0,0
4978	0.17	0.56	0.0	93,93,0	0.0	0.0	0.0	0,0,0
4979	0.19	0.65	0.0	89,93,0	0.0	0.0	0.0	0,0,0
4980	0.44	0.73	0.0	94,94,0	0.24	0.0	0.0	94,0,0
4981	0.44	0.78	0.0	93,93,0	0.26	0.0	0.0	93,0,0
4982	0.21	0.72	0.0	88,88,0	0.17	0.0	0.0	93,0,0
4983	0.15	0.58	0.0	94,88,0	0.0	0.0	0.0	0,0,0
4984	0.17	0.44	0.0	94,96,0	0.0	0.0	0.0	0,0,0
4985	0.24	0.73	0.0	94,88,0	0.16	0.0	0.0	88,0,0
4986	0.28	0.61	0.0	93,93,0	0.12	0.0	0.0	93,0,0
4987	0.30	0.72	0.0	94,88,0	0.18	0.0	0.0	88,0,0
4988	0.28	0.69	0.0	93,93,0	0.12	0.0	0.0	89,0,0
4989	0.18	0.47	0.0	93,93,0	0.0	0.0	0.0	0,0,0
4990	0.16	0.50	0.0	93,93,0	0.0	0.0	0.0	0,0,0
4991	0.22	0.65	0.0	93,93,0	0.0	0.0	0.0	0,0,0
4992	0.39	0.74	0.0	94,88,0	0.18	0.0	0.0	94,0,0
4993	0.41	0.74	0.0	93,89,0	0.21	0.0	0.0	93,0,0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
4994	0.20	0.56	0.0	94,94,0	0.0	0.0	0.0	0,0,0
4995	0.16	0.42	0.0	94,94,0	0.0	0.0	0.0	0,0,0
4996	0.15	0.29	0.0	94,94,0	0.0	0.0	0.0	0,0,0
4997	0.30	0.62	0.0	94,88,0	0.18	0.0	0.0	88,0,0
4998	0.25	0.47	0.0	89,91,0	0.0	0.0	0.0	0,0,0
4999	0.16	0.25	0.0	96,89,0	0.0	0.0	0.0	0,0,0
5000	0.11	0.25	0.0	96,94,0	0.0	0.0	0.0	0,0,0
5001	0.19	0.71	0.0	90,89,0	0.18	0.0	0.0	91,0,0
5002	0.24	0.58	0.0	96,96,0	0.13	0.0	0.0	96,0,0
5003	0.16	0.52	0.0	96,96,0	0.15	0.0	0.0	96,0,0
5004	0.08	0.46	0.0	91,96,0	0.0	0.0	0.0	0,0,0
5005	0.06	0.51	0.0	93,96,0	0.0	0.0	0.0	0,0,0
5006	0.05	0.44	0.0	94,96,0	0.0	0.0	0.0	0,0,0
5007	0.05	0.47	0.0	94,96,0	0.0	0.0	0.0	0,0,0
5008	0.05	0.56	0.0	94,96,0	0.14	0.0	0.0	96,0,0
5009	0.04	0.66	0.0	93,88,0	0.23	0.0	0.0	88,0,0
5010	0.05	0.58	0.0	93,93,0	0.0	0.0	0.0	0,0,0
5011	0.05	0.56	0.0	93,93,0	0.0	0.0	0.0	0,0,0
5012	0.04	0.52	0.0	86,93,0	0.0	0.0	0.0	0,0,0
5013	0.04	0.52	0.0	93,93,0	0.0	0.0	0.0	0,0,0
5014	0.05	0.57	0.0	92,93,0	0.0	0.0	0.0	0,0,0
5015	0.03	0.44	0.0	95,96,0	0.14	0.0	0.0	96,0,0
5016	0.04	0.44	0.0	85,96,0	0.0	0.0	0.0	0,0,0
5017	0.04	0.44	0.0	85,96,0	0.0	0.0	0.0	0,0,0
5018	0.05	0.38	0.0	94,96,0	0.0	0.0	0.0	0,0,0
5019	0.05	0.33	0.0	94,96,0	0.0	0.0	0.0	0,0,0
5020	0.10	0.44	0.0	93,95,0	0.0	0.0	0.0	0,0,0
5021	0.08	0.43	0.0	94,96,0	0.0	0.0	0.0	0,0,0
5022	0.05	0.33	0.0	93,93,0	0.0	0.0	0.0	0,0,0
5023	0.05	0.26	0.0	93,93,0	0.0	0.0	0.0	0,0,0
5024	0.04	0.24	0.0	94,93,0	0.0	0.0	0.0	0,0,0
5025	0.04	0.25	0.0	89,93,0	0.0	0.0	0.0	0,0,0
5026	0.10	0.35	0.0	93,95,0	0.0	0.0	0.0	0,0,0
5027	0.14	0.64	0.0	89,89,0	0.0	0.0	0.0	0,0,0
5028	0.16	0.71	0.0	93,93,0	0.17	0.0	0.0	93,0,0
	rRfck	**rRfyk**	**rPfck**		**wR**	**wF**	**wP**	
Max	0.63	0.81	0.0		0.35	0.0	0.0	

3.11 SEDIMENTAZIONE

Si riportano i dati relativi alla geometria, i risultati del calcolo e il progetto degli elementi principali della zona della sedimentazione.

3.11.1 FONDAZIONE

La platea di fondazione ha spessore 70 cm ed è collocata a livello del pavimento piano terreno (estradosso +3,60 m).

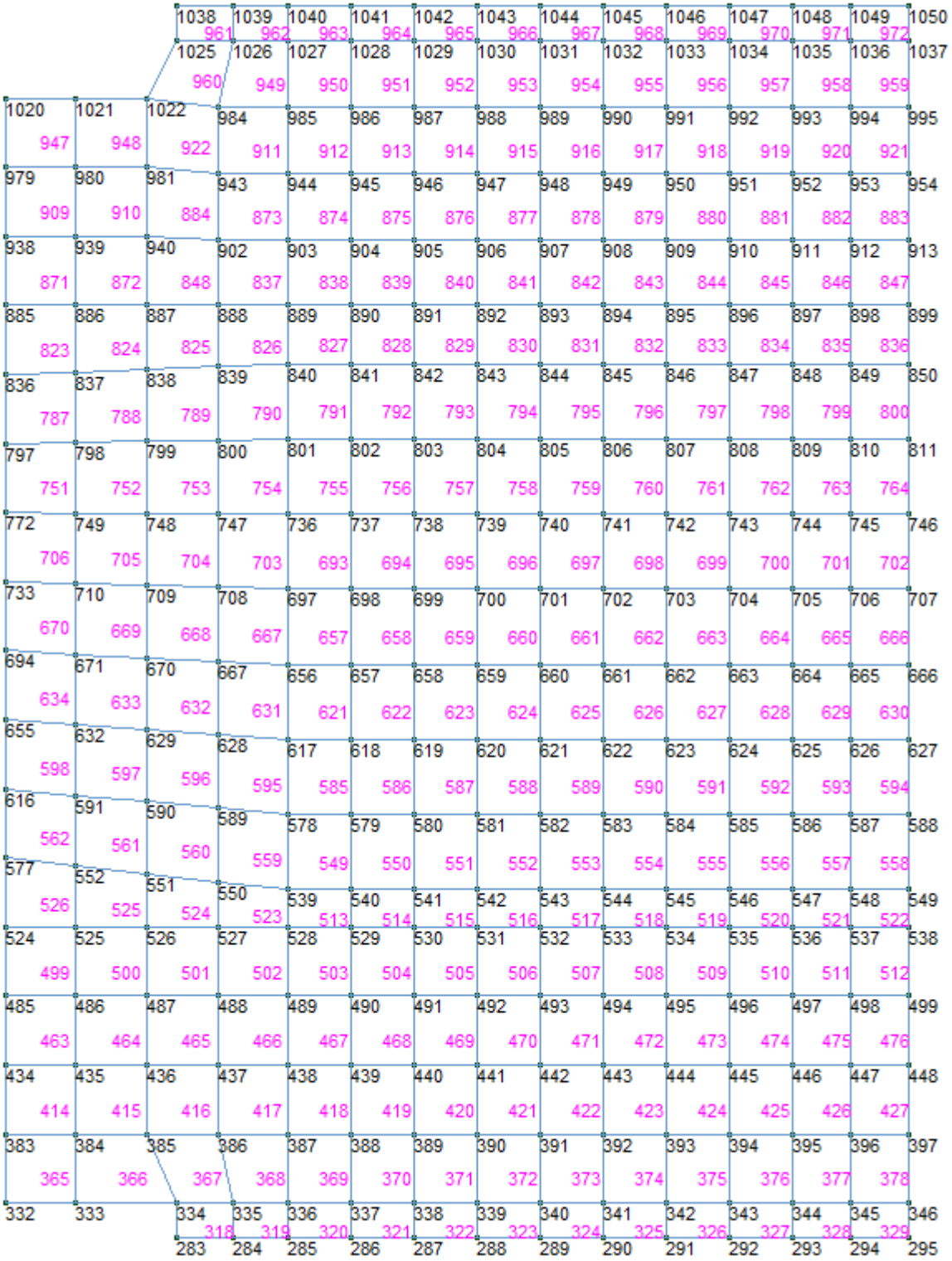
3.11.1.1 MODELLAZIONE STRUTTURA: NODI

TABELLA DATI NODI

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
283	3665.7	210.0	200.0	284	3747.3	210.0	200.0	285	3829.0	210.0	200.0
286	3921.5	210.0	200.0	287	4014.0	210.0	200.0	288	4106.5	210.0	200.0
289	4199.0	210.0	200.0	290	4291.5	210.0	200.0	291	4384.0	210.0	200.0
292	4476.5	210.0	200.0	293	4569.0	210.0	200.0	294	4654.0	210.0	200.0
295	4739.0	210.0	200.0	332	3414.0	260.0	200.0	333	3517.8	260.0	200.0
334	3665.7	260.0	200.0	335	3747.3	260.0	200.0	336	3829.0	260.0	200.0
337	3921.5	260.0	200.0	338	4014.0	260.0	200.0	339	4106.5	260.0	200.0
340	4199.0	260.0	200.0	341	4291.5	260.0	200.0	342	4384.0	260.0	200.0
343	4476.5	260.0	200.0	344	4569.0	260.0	200.0	345	4654.0	260.0	200.0
346	4739.0	260.0	200.0	383	3414.0	361.3	200.0	384	3517.8	361.3	200.0
385	3621.5	361.3	200.0	386	3725.3	361.3	200.0	387	3829.0	361.3	200.0
388	3921.5	361.3	200.0	389	4014.0	361.3	200.0	390	4106.5	361.3	200.0
391	4199.0	361.3	200.0	392	4291.5	361.3	200.0	393	4384.0	361.3	200.0
394	4476.5	361.3	200.0	395	4569.0	361.3	200.0	396	4654.0	361.3	200.0
397	4739.0	361.3	200.0	434	3414.0	462.5	200.0	435	3517.8	462.5	200.0
436	3621.5	462.5	200.0	437	3725.3	462.5	200.0	438	3829.0	462.5	200.0
439	3921.5	462.5	200.0	440	4014.0	462.5	200.0	441	4106.5	462.5	200.0
442	4199.0	462.5	200.0	443	4291.5	462.5	200.0	444	4384.0	462.5	200.0
445	4476.5	462.5	200.0	446	4569.0	462.5	200.0	447	4654.0	462.5	200.0
448	4739.0	462.5	200.0	485	3414.0	563.8	200.0	486	3517.8	563.8	200.0
487	3621.5	563.8	200.0	488	3725.3	563.8	200.0	489	3829.0	563.8	200.0
490	3921.5	563.8	200.0	491	4014.0	563.8	200.0	492	4106.5	563.8	200.0
493	4199.0	563.8	200.0	494	4291.5	563.8	200.0	495	4384.0	563.8	200.0
496	4476.5	563.8	200.0	497	4569.0	563.8	200.0	498	4654.0	563.8	200.0
499	4739.0	563.8	200.0	524	3414.0	665.0	200.0	525	3517.8	665.0	200.0
526	3621.5	665.0	200.0	527	3725.3	665.0	200.0	528	3829.0	665.0	200.0
529	3921.5	665.0	200.0	530	4014.0	665.0	200.0	531	4106.5	665.0	200.0
532	4199.0	665.0	200.0	533	4291.5	665.0	200.0	534	4384.0	665.0	200.0
535	4476.5	665.0	200.0	536	4569.0	665.0	200.0	537	4654.0	665.0	200.0
538	4739.0	665.0	200.0	539	3829.0	720.0	200.0	540	3921.5	720.0	200.0
541	4014.0	720.0	200.0	542	4106.5	720.0	200.0	543	4199.0	720.0	200.0
544	4291.5	720.0	200.0	545	4384.0	720.0	200.0	546	4476.5	720.0	200.0
547	4569.0	720.0	200.0	548	4654.0	720.0	200.0	549	4739.0	720.0	200.0
550	3725.3	731.6	200.0	551	3621.5	743.1	200.0	552	3517.8	754.7	200.0
577	3414.0	766.3	200.0	578	3829.0	830.0	200.0	579	3921.5	830.0	200.0
580	4014.0	830.0	200.0	581	4106.5	830.0	200.0	582	4199.0	830.0	200.0
583	4291.5	830.0	200.0	584	4384.0	830.0	200.0	585	4476.5	830.0	200.0
586	4569.0	830.0	200.0	587	4654.0	830.0	200.0	588	4739.0	830.0	200.0
589	3725.3	839.4	200.0	590	3621.5	848.8	200.0	591	3517.8	858.1	200.0
616	3414.0	867.5	200.0	617	3829.0	940.0	200.0	618	3921.5	940.0	200.0
619	4014.0	940.0	200.0	620	4106.5	940.0	200.0	621	4199.0	940.0	200.0
622	4291.5	940.0	200.0	623	4384.0	940.0	200.0	624	4476.5	940.0	200.0
625	4569.0	940.0	200.0	626	4654.0	940.0	200.0	627	4739.0	940.0	200.0
628	3725.3	947.2	200.0	629	3621.5	954.4	200.0	632	3517.8	961.6	200.0
655	3414.0	968.8	200.0	656	3829.0	1050.0	200.0	657	3921.5	1050.0	200.0
658	4014.0	1050.0	200.0	659	4106.5	1050.0	200.0	660	4199.0	1050.0	200.0
661	4291.5	1050.0	200.0	662	4384.0	1050.0	200.0	663	4476.5	1050.0	200.0
664	4569.0	1050.0	200.0	665	4654.0	1050.0	200.0	666	4739.0	1050.0	200.0
667	3725.3	1055.0	200.0	670	3621.5	1060.0	200.0	671	3517.8	1065.0	200.0

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
694	3414.0	1070.0	200.0	697	3829.0	1160.0	200.0	698	3921.5	1160.0	200.0
699	4014.0	1160.0	200.0	700	4106.5	1160.0	200.0	701	4199.0	1160.0	200.0
702	4291.5	1160.0	200.0	703	4384.0	1160.0	200.0	704	4476.5	1160.0	200.0
705	4569.0	1160.0	200.0	706	4654.0	1160.0	200.0	707	4739.0	1160.0	200.0
708	3725.3	1162.8	200.0	709	3621.5	1165.6	200.0	710	3517.8	1168.4	200.0
733	3414.0	1171.3	200.0	736	3829.0	1270.0	200.0	737	3921.5	1270.0	200.0
738	4014.0	1270.0	200.0	739	4106.5	1270.0	200.0	740	4199.0	1270.0	200.0
741	4291.5	1270.0	200.0	742	4384.0	1270.0	200.0	743	4476.5	1270.0	200.0
744	4569.0	1270.0	200.0	745	4654.0	1270.0	200.0	746	4739.0	1270.0	200.0
747	3725.3	1270.6	200.0	748	3621.5	1271.3	200.0	749	3517.8	1271.9	200.0
772	3414.0	1272.5	200.0	797	3414.0	1373.8	200.0	798	3517.8	1375.3	200.0
799	3621.5	1376.9	200.0	800	3725.3	1378.4	200.0	801	3829.0	1380.0	200.0
802	3921.5	1380.0	200.0	803	4014.0	1380.0	200.0	804	4106.5	1380.0	200.0
805	4199.0	1380.0	200.0	806	4291.5	1380.0	200.0	807	4384.0	1380.0	200.0
808	4476.5	1380.0	200.0	809	4569.0	1380.0	200.0	810	4654.0	1380.0	200.0
811	4739.0	1380.0	200.0	836	3414.0	1475.0	200.0	837	3517.8	1478.8	200.0
838	3621.5	1482.5	200.0	839	3725.3	1486.3	200.0	840	3829.0	1490.0	200.0
841	3921.5	1490.0	200.0	842	4014.0	1490.0	200.0	843	4106.5	1490.0	200.0
844	4199.0	1490.0	200.0	845	4291.5	1490.0	200.0	846	4384.0	1490.0	200.0
847	4476.5	1490.0	200.0	848	4569.0	1490.0	200.0	849	4654.0	1490.0	200.0
850	4739.0	1490.0	200.0	885	3414.0	1576.3	200.0	886	3517.8	1576.3	200.0
887	3621.5	1576.3	200.0	888	3725.3	1576.3	200.0	889	3829.0	1576.3	200.0
890	3921.5	1576.3	200.0	891	4014.0	1576.3	200.0	892	4106.5	1576.3	200.0
893	4199.0	1576.3	200.0	894	4291.5	1576.3	200.0	895	4384.0	1576.3	200.0
896	4476.5	1576.3	200.0	897	4569.0	1576.3	200.0	898	4654.0	1576.3	200.0
899	4739.0	1576.3	200.0	902	3725.3	1673.4	200.0	903	3829.0	1673.4	200.0
904	3921.5	1673.4	200.0	905	4014.0	1673.4	200.0	906	4106.5	1673.4	200.0
907	4199.0	1673.4	200.0	908	4291.5	1673.4	200.0	909	4384.0	1673.4	200.0
910	4476.5	1673.4	200.0	911	4569.0	1673.4	200.0	912	4654.0	1673.4	200.0
913	4739.0	1673.4	200.0	938	3414.0	1677.5	200.0	939	3517.8	1677.5	200.0
940	3621.5	1677.5	200.0	943	3725.3	1770.6	200.0	944	3829.0	1770.6	200.0
945	3921.5	1770.6	200.0	946	4014.0	1770.6	200.0	947	4106.5	1770.6	200.0
948	4199.0	1770.6	200.0	949	4291.5	1770.6	200.0	950	4384.0	1770.6	200.0
951	4476.5	1770.6	200.0	952	4569.0	1770.6	200.0	953	4654.0	1770.6	200.0
954	4739.0	1770.6	200.0	979	3414.0	1778.8	200.0	980	3517.8	1778.8	200.0
981	3621.5	1778.8	200.0	984	3725.3	1867.8	200.0	985	3829.0	1867.8	200.0
986	3921.5	1867.8	200.0	987	4014.0	1867.8	200.0	988	4106.5	1867.8	200.0
989	4199.0	1867.8	200.0	990	4291.5	1867.8	200.0	991	4384.0	1867.8	200.0
992	4476.5	1867.8	200.0	993	4569.0	1867.8	200.0	994	4654.0	1867.8	200.0
995	4739.0	1867.8	200.0	1020	3414.0	1880.0	200.0	1021	3517.8	1880.0	200.0
1022	3621.5	1880.0	200.0	1025	3665.7	1965.0	200.0	1026	3747.3	1965.0	200.0
1027	3829.0	1965.0	200.0	1028	3921.5	1965.0	200.0	1029	4014.0	1965.0	200.0
1030	4106.5	1965.0	200.0	1031	4199.0	1965.0	200.0	1032	4291.5	1965.0	200.0
1033	4384.0	1965.0	200.0	1034	4476.5	1965.0	200.0	1035	4569.0	1965.0	200.0
1036	4654.0	1965.0	200.0	1037	4739.0	1965.0	200.0	1038	3665.7	2015.0	200.0
1039	3747.3	2015.0	200.0	1040	3829.0	2015.0	200.0	1041	3921.5	2015.0	200.0
1042	4014.0	2015.0	200.0	1043	4106.5	2015.0	200.0	1044	4199.0	2015.0	200.0
1045	4291.5	2015.0	200.0	1046	4384.0	2015.0	200.0	1047	4476.5	2015.0	200.0
1048	4569.0	2015.0	200.0	1049	4654.0	2015.0	200.0	1050	4739.0	2015.0	200.0

Numerazione nodi ed elementi shell



3.11.1.2 MODELLAZIONE STRUTTURA: ELEMENTI SHELL

TABELLA DATI SHELL

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
318	Guscio fond.	283	284	335	334	4	70.0	1.00	1.00
319	Guscio fond.	284	285	336	335	4	70.0	1.00	1.00
320	Guscio fond.	285	286	337	336	4	70.0	1.00	1.00
321	Guscio fond.	286	287	338	337	4	70.0	1.00	1.00
322	Guscio fond.	287	288	339	338	4	70.0	1.00	1.00
323	Guscio fond.	288	289	340	339	4	70.0	1.00	1.00
324	Guscio fond.	289	290	341	340	4	70.0	1.00	1.00
325	Guscio fond.	290	291	342	341	4	70.0	1.00	1.00
326	Guscio fond.	291	292	343	342	4	70.0	1.00	1.00
327	Guscio fond.	292	293	344	343	4	70.0	1.00	1.00
328	Guscio fond.	293	294	345	344	4	70.0	1.00	1.00
329	Guscio fond.	294	295	346	345	4	70.0	1.00	1.00
365	Guscio fond.	332	333	384	383	4	70.0	1.00	1.00
366	Guscio fond.	333	334	385	384	4	70.0	1.00	1.00
367	Guscio fond.	334	335	386	385	4	70.0	1.00	1.00
368	Guscio fond.	335	336	387	386	4	70.0	1.00	1.00
369	Guscio fond.	336	337	388	387	4	70.0	1.00	1.00
370	Guscio fond.	337	338	389	388	4	70.0	1.00	1.00
371	Guscio fond.	338	339	390	389	4	70.0	1.00	1.00
372	Guscio fond.	339	340	391	390	4	70.0	1.00	1.00
373	Guscio fond.	340	341	392	391	4	70.0	1.00	1.00
374	Guscio fond.	341	342	393	392	4	70.0	1.00	1.00
375	Guscio fond.	342	343	394	393	4	70.0	1.00	1.00
376	Guscio fond.	343	344	395	394	4	70.0	1.00	1.00
377	Guscio fond.	344	345	396	395	4	70.0	1.00	1.00
378	Guscio fond.	345	346	397	396	4	70.0	1.00	1.00
414	Guscio fond.	383	384	435	434	4	70.0	1.00	1.00
415	Guscio fond.	384	385	436	435	4	70.0	1.00	1.00
416	Guscio fond.	385	386	437	436	4	70.0	1.00	1.00
417	Guscio fond.	386	387	438	437	4	70.0	1.00	1.00
418	Guscio fond.	387	388	439	438	4	70.0	1.00	1.00
419	Guscio fond.	388	389	440	439	4	70.0	1.00	1.00
420	Guscio fond.	389	390	441	440	4	70.0	1.00	1.00
421	Guscio fond.	390	391	442	441	4	70.0	1.00	1.00
422	Guscio fond.	391	392	443	442	4	70.0	1.00	1.00
423	Guscio fond.	392	393	444	443	4	70.0	1.00	1.00
424	Guscio fond.	393	394	445	444	4	70.0	1.00	1.00
425	Guscio fond.	394	395	446	445	4	70.0	1.00	1.00
426	Guscio fond.	395	396	447	446	4	70.0	1.00	1.00
427	Guscio fond.	396	397	448	447	4	70.0	1.00	1.00
463	Guscio fond.	434	435	486	485	4	70.0	1.00	1.00
464	Guscio fond.	435	436	487	486	4	70.0	1.00	1.00
465	Guscio fond.	436	437	488	487	4	70.0	1.00	1.00
466	Guscio fond.	437	438	489	488	4	70.0	1.00	1.00
467	Guscio fond.	438	439	490	489	4	70.0	1.00	1.00
468	Guscio fond.	439	440	491	490	4	70.0	1.00	1.00
469	Guscio fond.	440	441	492	491	4	70.0	1.00	1.00
470	Guscio fond.	441	442	493	492	4	70.0	1.00	1.00
471	Guscio fond.	442	443	494	493	4	70.0	1.00	1.00
472	Guscio fond.	443	444	495	494	4	70.0	1.00	1.00
473	Guscio fond.	444	445	496	495	4	70.0	1.00	1.00
474	Guscio fond.	445	446	497	496	4	70.0	1.00	1.00
475	Guscio fond.	446	447	498	497	4	70.0	1.00	1.00
476	Guscio fond.	447	448	499	498	4	70.0	1.00	1.00
499	Guscio fond.	485	486	525	524	4	70.0	1.00	1.00
500	Guscio fond.	486	487	526	525	4	70.0	1.00	1.00
501	Guscio fond.	487	488	527	526	4	70.0	1.00	1.00
502	Guscio fond.	488	489	528	527	4	70.0	1.00	1.00
503	Guscio fond.	489	490	529	528	4	70.0	1.00	1.00
504	Guscio fond.	490	491	530	529	4	70.0	1.00	1.00
505	Guscio fond.	491	492	531	530	4	70.0	1.00	1.00
506	Guscio fond.	492	493	532	531	4	70.0	1.00	1.00
507	Guscio fond.	493	494	533	532	4	70.0	1.00	1.00
508	Guscio fond.	494	495	534	533	4	70.0	1.00	1.00
509	Guscio fond.	495	496	535	534	4	70.0	1.00	1.00
510	Guscio fond.	496	497	536	535	4	70.0	1.00	1.00
511	Guscio fond.	497	498	537	536	4	70.0	1.00	1.00
512	Guscio fond.	498	499	538	537	4	70.0	1.00	1.00

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
513	Guscio fond.	528	529	540	539	4	70.0	1.00	1.00
514	Guscio fond.	529	530	541	540	4	70.0	1.00	1.00
515	Guscio fond.	530	531	542	541	4	70.0	1.00	1.00
516	Guscio fond.	531	532	543	542	4	70.0	1.00	1.00
517	Guscio fond.	532	533	544	543	4	70.0	1.00	1.00
518	Guscio fond.	533	534	545	544	4	70.0	1.00	1.00
519	Guscio fond.	534	535	546	545	4	70.0	1.00	1.00
520	Guscio fond.	535	536	547	546	4	70.0	1.00	1.00
521	Guscio fond.	536	537	548	547	4	70.0	1.00	1.00
522	Guscio fond.	537	538	549	548	4	70.0	1.00	1.00
523	Guscio fond.	527	528	539	550	4	70.0	1.00	1.00
524	Guscio fond.	526	527	550	551	4	70.0	1.00	1.00
525	Guscio fond.	525	526	551	552	4	70.0	1.00	1.00
526	Guscio fond.	524	525	552	577	4	70.0	1.00	1.00
549	Guscio fond.	539	540	579	578	4	70.0	1.00	1.00
550	Guscio fond.	540	541	580	579	4	70.0	1.00	1.00
551	Guscio fond.	541	542	581	580	4	70.0	1.00	1.00
552	Guscio fond.	542	543	582	581	4	70.0	1.00	1.00
553	Guscio fond.	543	544	583	582	4	70.0	1.00	1.00
554	Guscio fond.	544	545	584	583	4	70.0	1.00	1.00
555	Guscio fond.	545	546	585	584	4	70.0	1.00	1.00
556	Guscio fond.	546	547	586	585	4	70.0	1.00	1.00
557	Guscio fond.	547	548	587	586	4	70.0	1.00	1.00
558	Guscio fond.	548	549	588	587	4	70.0	1.00	1.00
559	Guscio fond.	550	539	578	589	4	70.0	1.00	1.00
560	Guscio fond.	551	550	589	590	4	70.0	1.00	1.00
561	Guscio fond.	552	551	590	591	4	70.0	1.00	1.00
562	Guscio fond.	577	552	591	616	4	70.0	1.00	1.00
585	Guscio fond.	578	579	618	617	4	70.0	1.00	1.00
586	Guscio fond.	579	580	619	618	4	70.0	1.00	1.00
587	Guscio fond.	580	581	620	619	4	70.0	1.00	1.00
588	Guscio fond.	581	582	621	620	4	70.0	1.00	1.00
589	Guscio fond.	582	583	622	621	4	70.0	1.00	1.00
590	Guscio fond.	583	584	623	622	4	70.0	1.00	1.00
591	Guscio fond.	584	585	624	623	4	70.0	1.00	1.00
592	Guscio fond.	585	586	625	624	4	70.0	1.00	1.00
593	Guscio fond.	586	587	626	625	4	70.0	1.00	1.00
594	Guscio fond.	587	588	627	626	4	70.0	1.00	1.00
595	Guscio fond.	589	578	617	628	4	70.0	1.00	1.00
596	Guscio fond.	590	589	628	629	4	70.0	1.00	1.00
597	Guscio fond.	591	590	629	632	4	70.0	1.00	1.00
598	Guscio fond.	616	591	632	655	4	70.0	1.00	1.00
621	Guscio fond.	617	618	657	656	4	70.0	1.00	1.00
622	Guscio fond.	618	619	658	657	4	70.0	1.00	1.00
623	Guscio fond.	619	620	659	658	4	70.0	1.00	1.00
624	Guscio fond.	620	621	660	659	4	70.0	1.00	1.00
625	Guscio fond.	621	622	661	660	4	70.0	1.00	1.00
626	Guscio fond.	622	623	662	661	4	70.0	1.00	1.00
627	Guscio fond.	623	624	663	662	4	70.0	1.00	1.00
628	Guscio fond.	624	625	664	663	4	70.0	1.00	1.00
629	Guscio fond.	625	626	665	664	4	70.0	1.00	1.00
630	Guscio fond.	626	627	666	665	4	70.0	1.00	1.00
631	Guscio fond.	628	617	656	667	4	70.0	1.00	1.00
632	Guscio fond.	629	628	667	670	4	70.0	1.00	1.00
633	Guscio fond.	632	629	670	671	4	70.0	1.00	1.00
634	Guscio fond.	655	632	671	694	4	70.0	1.00	1.00
657	Guscio fond.	656	657	698	697	4	70.0	1.00	1.00
658	Guscio fond.	657	658	699	698	4	70.0	1.00	1.00
659	Guscio fond.	658	659	700	699	4	70.0	1.00	1.00
660	Guscio fond.	659	660	701	700	4	70.0	1.00	1.00
661	Guscio fond.	660	661	702	701	4	70.0	1.00	1.00
662	Guscio fond.	661	662	703	702	4	70.0	1.00	1.00
663	Guscio fond.	662	663	704	703	4	70.0	1.00	1.00
664	Guscio fond.	663	664	705	704	4	70.0	1.00	1.00
665	Guscio fond.	664	665	706	705	4	70.0	1.00	1.00
666	Guscio fond.	665	666	707	706	4	70.0	1.00	1.00
667	Guscio fond.	667	656	697	708	4	70.0	1.00	1.00
668	Guscio fond.	670	667	708	709	4	70.0	1.00	1.00
669	Guscio fond.	671	670	709	710	4	70.0	1.00	1.00
670	Guscio fond.	694	671	710	733	4	70.0	1.00	1.00
693	Guscio fond.	697	698	737	736	4	70.0	1.00	1.00
694	Guscio fond.	698	699	738	737	4	70.0	1.00	1.00
695	Guscio fond.	699	700	739	738	4	70.0	1.00	1.00
696	Guscio fond.	700	701	740	739	4	70.0	1.00	1.00

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
697	Guscio fond.	701	702	741	740	4	70.0	1.00	1.00
698	Guscio fond.	702	703	742	741	4	70.0	1.00	1.00
699	Guscio fond.	703	704	743	742	4	70.0	1.00	1.00
700	Guscio fond.	704	705	744	743	4	70.0	1.00	1.00
701	Guscio fond.	705	706	745	744	4	70.0	1.00	1.00
702	Guscio fond.	706	707	746	745	4	70.0	1.00	1.00
703	Guscio fond.	708	697	736	747	4	70.0	1.00	1.00
704	Guscio fond.	709	708	747	748	4	70.0	1.00	1.00
705	Guscio fond.	710	709	748	749	4	70.0	1.00	1.00
706	Guscio fond.	733	710	749	772	4	70.0	1.00	1.00
751	Guscio fond.	772	749	798	797	4	70.0	1.00	1.00
752	Guscio fond.	749	748	799	798	4	70.0	1.00	1.00
753	Guscio fond.	748	747	800	799	4	70.0	1.00	1.00
754	Guscio fond.	747	736	801	800	4	70.0	1.00	1.00
755	Guscio fond.	736	737	802	801	4	70.0	1.00	1.00
756	Guscio fond.	737	738	803	802	4	70.0	1.00	1.00
757	Guscio fond.	738	739	804	803	4	70.0	1.00	1.00
758	Guscio fond.	739	740	805	804	4	70.0	1.00	1.00
759	Guscio fond.	740	741	806	805	4	70.0	1.00	1.00
760	Guscio fond.	741	742	807	806	4	70.0	1.00	1.00
761	Guscio fond.	742	743	808	807	4	70.0	1.00	1.00
762	Guscio fond.	743	744	809	808	4	70.0	1.00	1.00
763	Guscio fond.	744	745	810	809	4	70.0	1.00	1.00
764	Guscio fond.	745	746	811	810	4	70.0	1.00	1.00
787	Guscio fond.	797	798	837	836	4	70.0	1.00	1.00
788	Guscio fond.	798	799	838	837	4	70.0	1.00	1.00
789	Guscio fond.	799	800	839	838	4	70.0	1.00	1.00
790	Guscio fond.	800	801	840	839	4	70.0	1.00	1.00
791	Guscio fond.	801	802	841	840	4	70.0	1.00	1.00
792	Guscio fond.	802	803	842	841	4	70.0	1.00	1.00
793	Guscio fond.	803	804	843	842	4	70.0	1.00	1.00
794	Guscio fond.	804	805	844	843	4	70.0	1.00	1.00
795	Guscio fond.	805	806	845	844	4	70.0	1.00	1.00
796	Guscio fond.	806	807	846	845	4	70.0	1.00	1.00
797	Guscio fond.	807	808	847	846	4	70.0	1.00	1.00
798	Guscio fond.	808	809	848	847	4	70.0	1.00	1.00
799	Guscio fond.	809	810	849	848	4	70.0	1.00	1.00
800	Guscio fond.	810	811	850	849	4	70.0	1.00	1.00
823	Guscio fond.	836	837	886	885	4	70.0	1.00	1.00
824	Guscio fond.	837	838	887	886	4	70.0	1.00	1.00
825	Guscio fond.	838	839	888	887	4	70.0	1.00	1.00
826	Guscio fond.	839	840	889	888	4	70.0	1.00	1.00
827	Guscio fond.	840	841	890	889	4	70.0	1.00	1.00
828	Guscio fond.	841	842	891	890	4	70.0	1.00	1.00
829	Guscio fond.	842	843	892	891	4	70.0	1.00	1.00
830	Guscio fond.	843	844	893	892	4	70.0	1.00	1.00
831	Guscio fond.	844	845	894	893	4	70.0	1.00	1.00
832	Guscio fond.	845	846	895	894	4	70.0	1.00	1.00
833	Guscio fond.	846	847	896	895	4	70.0	1.00	1.00
834	Guscio fond.	847	848	897	896	4	70.0	1.00	1.00
835	Guscio fond.	848	849	898	897	4	70.0	1.00	1.00
836	Guscio fond.	849	850	899	898	4	70.0	1.00	1.00
837	Guscio fond.	888	889	903	902	4	70.0	1.00	1.00
838	Guscio fond.	889	890	904	903	4	70.0	1.00	1.00
839	Guscio fond.	890	891	905	904	4	70.0	1.00	1.00
840	Guscio fond.	891	892	906	905	4	70.0	1.00	1.00
841	Guscio fond.	892	893	907	906	4	70.0	1.00	1.00
842	Guscio fond.	893	894	908	907	4	70.0	1.00	1.00
843	Guscio fond.	894	895	909	908	4	70.0	1.00	1.00
844	Guscio fond.	895	896	910	909	4	70.0	1.00	1.00
845	Guscio fond.	896	897	911	910	4	70.0	1.00	1.00
846	Guscio fond.	897	898	912	911	4	70.0	1.00	1.00
847	Guscio fond.	898	899	913	912	4	70.0	1.00	1.00
848	Guscio fond.	887	888	902	940	4	70.0	1.00	1.00
871	Guscio fond.	885	886	939	938	4	70.0	1.00	1.00
872	Guscio fond.	886	887	940	939	4	70.0	1.00	1.00
873	Guscio fond.	902	903	944	943	4	70.0	1.00	1.00
874	Guscio fond.	903	904	945	944	4	70.0	1.00	1.00
875	Guscio fond.	904	905	946	945	4	70.0	1.00	1.00
876	Guscio fond.	905	906	947	946	4	70.0	1.00	1.00
877	Guscio fond.	906	907	948	947	4	70.0	1.00	1.00
878	Guscio fond.	907	908	949	948	4	70.0	1.00	1.00
879	Guscio fond.	908	909	950	949	4	70.0	1.00	1.00
880	Guscio fond.	909	910	951	950	4	70.0	1.00	1.00

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
881	Guscio fond.	910	911	952	951	4	70.0	1.00	1.00
882	Guscio fond.	911	912	953	952	4	70.0	1.00	1.00
883	Guscio fond.	912	913	954	953	4	70.0	1.00	1.00
884	Guscio fond.	940	902	943	981	4	70.0	1.00	1.00
909	Guscio fond.	938	939	980	979	4	70.0	1.00	1.00
910	Guscio fond.	939	940	981	980	4	70.0	1.00	1.00
911	Guscio fond.	943	944	985	984	4	70.0	1.00	1.00
912	Guscio fond.	944	945	986	985	4	70.0	1.00	1.00
913	Guscio fond.	945	946	987	986	4	70.0	1.00	1.00
914	Guscio fond.	946	947	988	987	4	70.0	1.00	1.00
915	Guscio fond.	947	948	989	988	4	70.0	1.00	1.00
916	Guscio fond.	948	949	990	989	4	70.0	1.00	1.00
917	Guscio fond.	949	950	991	990	4	70.0	1.00	1.00
918	Guscio fond.	950	951	992	991	4	70.0	1.00	1.00
919	Guscio fond.	951	952	993	992	4	70.0	1.00	1.00
920	Guscio fond.	952	953	994	993	4	70.0	1.00	1.00
921	Guscio fond.	953	954	995	994	4	70.0	1.00	1.00
922	Guscio fond.	981	943	984	1022	4	70.0	1.00	1.00
947	Guscio fond.	979	980	1021	1020	4	70.0	1.00	1.00
948	Guscio fond.	980	981	1022	1021	4	70.0	1.00	1.00
949	Guscio fond.	984	985	1027	1026	4	70.0	1.00	1.00
950	Guscio fond.	985	986	1028	1027	4	70.0	1.00	1.00
951	Guscio fond.	986	987	1029	1028	4	70.0	1.00	1.00
952	Guscio fond.	987	988	1030	1029	4	70.0	1.00	1.00
953	Guscio fond.	988	989	1031	1030	4	70.0	1.00	1.00
954	Guscio fond.	989	990	1032	1031	4	70.0	1.00	1.00
955	Guscio fond.	990	991	1033	1032	4	70.0	1.00	1.00
956	Guscio fond.	991	992	1034	1033	4	70.0	1.00	1.00
957	Guscio fond.	992	993	1035	1034	4	70.0	1.00	1.00
958	Guscio fond.	993	994	1036	1035	4	70.0	1.00	1.00
959	Guscio fond.	994	995	1037	1036	4	70.0	1.00	1.00
960	Guscio fond.	1022	984	1026	1025	4	70.0	1.00	1.00
961	Guscio fond.	1025	1026	1039	1038	4	70.0	1.00	1.00
962	Guscio fond.	1026	1027	1040	1039	4	70.0	1.00	1.00
963	Guscio fond.	1027	1028	1041	1040	4	70.0	1.00	1.00
964	Guscio fond.	1028	1029	1042	1041	4	70.0	1.00	1.00
965	Guscio fond.	1029	1030	1043	1042	4	70.0	1.00	1.00
966	Guscio fond.	1030	1031	1044	1043	4	70.0	1.00	1.00
967	Guscio fond.	1031	1032	1045	1044	4	70.0	1.00	1.00
968	Guscio fond.	1032	1033	1046	1045	4	70.0	1.00	1.00
969	Guscio fond.	1033	1034	1047	1046	4	70.0	1.00	1.00
970	Guscio fond.	1034	1035	1048	1047	4	70.0	1.00	1.00
971	Guscio fond.	1035	1036	1049	1048	4	70.0	1.00	1.00
972	Guscio fond.	1036	1037	1050	1049	4	70.0	1.00	1.00

3.11.1.3 RISULTATI OPERE DI FONDAZIONE

RISULTATI OPERE DI FONDAZIONE

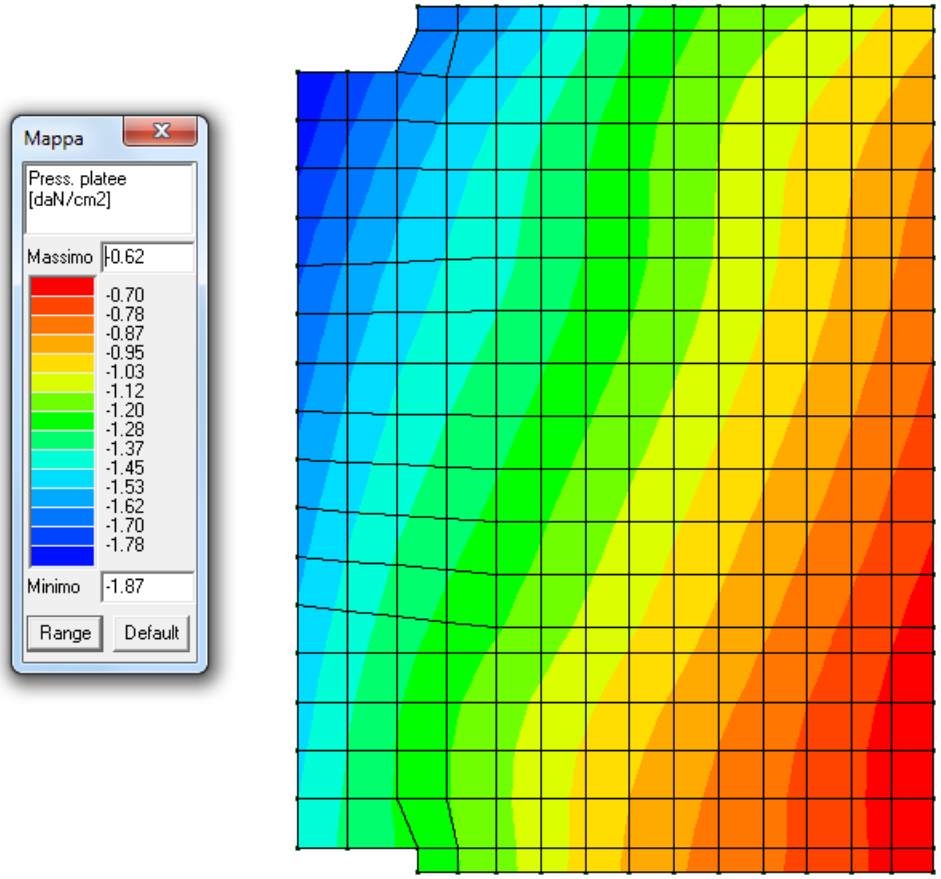
Nodo (G)	Pt 1/12	Pt 2/13	Pt 3...	Pt 4...							
	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2
283	-0.67	-0.77	-0.80	-0.90	-0.52	-0.62	-0.64	-0.74	-0.74	-0.78	-0.86
	-0.69	-1.03	-0.96	-1.00	-1.08	-0.91	-1.26	-0.98	-1.29	-0.54	-0.85
	-0.99	-1.28	-0.55	-0.84	-0.98	-1.29	-0.53	-0.85	-0.99	-1.28	-0.54
	-0.84	-0.46	-1.49	-0.33	-1.36	-0.46	-1.49	-0.32	-1.36	-0.49	-1.46
	-0.36	-1.33	-0.49	-1.46	-0.36	-1.33	-0.95	-1.09	-0.73	-0.88	-0.95
	-1.09	-0.74	-0.88	-0.95	-1.10	-0.73	-0.88	-0.95	-1.09	-0.74	-0.87
	-0.70	-1.19	-0.63	-1.12	-0.70	-1.19	-0.63	-1.12	-0.71	-1.17	-0.65
	-1.11	-0.71	-1.17	-0.65	-1.11	-0.52	-0.58	-0.60	-0.67	-0.57	-0.60
	-0.66	-0.53	-0.80	-0.72	-0.75	-0.81	-0.68	-0.94			
284	-0.65	-0.75	-0.77	-0.87	-0.50	-0.60	-0.63	-0.73	-0.72	-0.73	-0.82
	-0.65	-0.98	-0.94	-0.95	-1.05	-0.88	-1.20	-0.97	-1.29	-0.46	-0.77
	-0.98	-1.28	-0.47	-0.76	-0.98	-1.29	-0.45	-0.76	-0.99	-1.28	-0.46
	-0.75	-0.43	-1.46	-0.27	-1.31	-0.43	-1.46	-0.27	-1.31	-0.46	-1.43
	-0.30	-1.27	-0.46	-1.43	-0.30	-1.27	-0.92	-1.07	-0.67	-0.82	-0.93
	-1.07	-0.68	-0.81	-0.92	-1.07	-0.67	-0.82	-0.93	-1.07	-0.68	-0.81
	-0.66	-1.15	-0.59	-1.08	-0.66	-1.15	-0.59	-1.08	-0.68	-1.14	-0.60
	-1.06	-0.68	-1.14	-0.60	-1.06	-0.50	-0.56	-0.58	-0.65	-0.55	-0.56
	-0.63	-0.50	-0.75	-0.70	-0.71	-0.78	-0.66	-0.90			
285	-0.62	-0.72	-0.75	-0.85	-0.47	-0.58	-0.60	-0.71	-0.69	-0.67	-0.78
	-0.62	-0.92	-0.92	-0.90	-1.01	-0.85	-1.15	-0.97	-1.29	-0.37	-0.68
	-0.98	-1.28	-0.38	-0.67	-0.97	-1.28	-0.37	-0.68	-0.98	-1.27	-0.38
	-0.67	-0.40	-1.43	-0.21	-1.25	-0.40	-1.43	-0.21	-1.25	-0.43	-1.40
	-0.25	-1.22	-0.43	-1.40	-0.25	-1.22	-0.90	-1.05	-0.61	-0.75	-0.91
	-1.04	-0.61	-0.75	-0.90	-1.05	-0.61	-0.75	-0.91	-1.04	-0.61	-0.75
	-0.63	-1.11	-0.54	-1.03	-0.63	-1.11	-0.54	-1.03	-0.64	-1.10	-0.55
	-1.01	-0.64	-1.10	-0.55	-1.01	-0.47	-0.54	-0.56	-0.63	-0.53	-0.52
	-0.60	-0.48	-0.70	-0.68	-0.67	-0.76	-0.63	-0.86			
286	-0.58	-0.68	-0.71	-0.81	-0.44	-0.55	-0.57	-0.68	-0.65	-0.61	-0.73
	-0.58	-0.84	-0.89	-0.84	-0.96	-0.82	-1.08	-0.96	-1.26	-0.28	-0.58
	-0.97	-1.25	-0.29	-0.57	-0.96	-1.26	-0.28	-0.59	-0.96	-1.25	-0.29
	-0.58	-0.36	-1.38	-0.16	-1.18	-0.36	-1.38	-0.16	-1.18	-0.39	-1.35
	-0.19	-1.14	-0.39	-1.35	-0.19	-1.14	-0.86	-1.01	-0.54	-0.68	-0.87
	-1.00	-0.54	-0.68	-0.86	-1.01	-0.54	-0.68	-0.87	-1.00	-0.54	-0.68
	-0.58	-1.06	-0.48	-0.96	-0.58	-1.06	-0.48	-0.96	-0.59	-1.05	-0.50
	-0.95	-0.59	-1.05	-0.50	-0.95	-0.44	-0.51	-0.53	-0.60	-0.50	-0.47
	-0.56	-0.45	-0.65	-0.66	-0.63	-0.72	-0.60	-0.80			
287	-0.53	-0.64	-0.66	-0.77	-0.41	-0.52	-0.54	-0.65	-0.62	-0.55	-0.67
	-0.54	-0.76	-0.85	-0.78	-0.90	-0.77	-1.00	-0.91	-1.20	-0.22	-0.52
	-0.92	-1.19	-0.23	-0.51	-0.91	-1.20	-0.22	-0.52	-0.92	-1.19	-0.23
	-0.51	-0.32	-1.31	-0.11	-1.10	-0.32	-1.31	-0.11	-1.10	-0.35	-1.27
	-0.15	-1.07	-0.35	-1.27	-0.15	-1.07	-0.81	-0.95	-0.48	-0.62	-0.81
	-0.95	-0.48	-0.61	-0.81	-0.95	-0.48	-0.62	-0.81	-0.95	-0.48	-0.61
	-0.53	-1.00	-0.43	-0.90	-0.53	-1.00	-0.43	-0.90	-0.54	-0.98	-0.44
	-0.88	-0.54	-0.98	-0.44	-0.88	-0.41	-0.48	-0.49	-0.57	-0.47	-0.42
	-0.51	-0.41	-0.59	-0.63	-0.58	-0.67	-0.57	-0.75			
288	-0.49	-0.61	-0.62	-0.73	-0.38	-0.49	-0.50	-0.62	-0.58	-0.49	-0.60
	-0.50	-0.69	-0.82	-0.73	-0.84	-0.74	-0.93	-0.85	-1.14	-0.18	-0.46
	-0.86	-1.13	-0.19	-0.45	-0.86	-1.14	-0.17	-0.46	-0.87	-1.13	-0.18
	-0.45	-0.28	-1.24	-0.08	-1.03	-0.28	-1.24	-0.08	-1.03	-0.31	-1.20
	-0.11	-1.00	-0.31	-1.20	-0.11	-1.00	-0.76	-0.89	-0.43	-0.56	-0.76
	-0.89	-0.43	-0.56	-0.76	-0.89	-0.43	-0.56	-0.76	-0.89	-0.43	-0.56
	-0.48	-0.93	-0.38	-0.84	-0.48	-0.93	-0.38	-0.84	-0.50	-0.92	-0.40
	-0.82	-0.50	-0.92	-0.40	-0.82	-0.38	-0.46	-0.46	-0.54	-0.45	-0.38
	-0.47	-0.38	-0.53	-0.61	-0.54	-0.62	-0.54	-0.69			
289	-0.46	-0.58	-0.58	-0.70	-0.35	-0.47	-0.48	-0.60	-0.56	-0.44	-0.55
	-0.47	-0.63	-0.80	-0.68	-0.79	-0.71	-0.88	-0.81	-1.09	-0.14	-0.42
	-0.82	-1.08	-0.15	-0.41	-0.81	-1.09	-0.13	-0.41	-0.82	-1.08	-0.15
	-0.40	-0.25	-1.18	-0.05	-0.98	-0.25	-1.18	-0.04	-0.98	-0.28	-1.15
	-0.08	-0.95	-0.28	-1.15	-0.08	-0.94	-0.71	-0.84	-0.39	-0.52	-0.72
	-0.84	-0.39	-0.52	-0.71	-0.85	-0.39	-0.52	-0.72	-0.84	-0.39	-0.51
	-0.44	-0.88	-0.35	-0.79	-0.44	-0.88	-0.35	-0.79	-0.46	-0.87	-0.36
	-0.77	-0.46	-0.87	-0.36	-0.77	-0.35	-0.43	-0.44	-0.52	-0.43	-0.34
	-0.42	-0.36	-0.49	-0.59	-0.50	-0.59	-0.52	-0.65			
290	-0.43	-0.55	-0.56	-0.68	-0.33	-0.45	-0.46	-0.58	-0.54	-0.39	-0.51
	-0.44	-0.59	-0.79	-0.64	-0.76	-0.69	-0.83	-0.78	-1.06	-0.10	-0.38
	-0.79	-1.05	-0.11	-0.37	-0.79	-1.07	-0.09	-0.37	-0.80	-1.06	-0.10

Nodo (G)	Pt 1/12	Pt 2/13	Pt 3...	Pt 4...							
	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2
	-0.36	-0.22	-1.14	-0.01	-0.94	-0.22	-1.15	-0.01	-0.94	-0.25	-1.11
	-0.05	-0.91	-0.25	-1.11	-0.05	-0.90	-0.68	-0.81	-0.35	-0.48	-0.68
	-0.81	-0.36	-0.48	-0.68	-0.81	-0.35	-0.48	-0.69	-0.81	-0.35	-0.47
	-0.41	-0.85	-0.31	-0.75	-0.41	-0.85	-0.31	-0.75	-0.43	-0.83	-0.33
	-0.73	-0.43	-0.83	-0.33	-0.73	-0.33	-0.41	-0.42	-0.50	-0.42	-0.30
	-0.39	-0.34	-0.45	-0.58	-0.47	-0.56	-0.50	-0.62			
291	-0.41	-0.53	-0.54	-0.67	-0.32	-0.44	-0.45	-0.57	-0.53	-0.35	-0.47
	-0.42	-0.54	-0.79	-0.61	-0.73	-0.67	-0.80	-0.77	-1.05	-0.06	-0.34
	-0.78	-1.04	-0.07	-0.33	-0.78	-1.06	-0.04	-0.32	-0.79	-1.05	-0.05
	-0.31	-0.19	-1.12	0.02	-0.91	-0.19	-1.13	0.03	-0.91	-0.22	-1.09
	-0.01	-0.88	-0.23	-1.09	-7.75e-03	-0.87	-0.66	-0.79	-0.31	-0.45	-0.66
	-0.79	-0.32	-0.44	-0.66	-0.80	-0.31	-0.44	-0.67	-0.79	-0.31	-0.44
	-0.38	-0.82	-0.28	-0.72	-0.38	-0.83	-0.28	-0.72	-0.40	-0.81	-0.30
	-0.70	-0.40	-0.81	-0.29	-0.70	-0.32	-0.40	-0.40	-0.49	-0.41	-0.27
	-0.36	-0.32	-0.42	-0.58	-0.44	-0.53	-0.49	-0.59			
292	-0.39	-0.51	-0.53	-0.65	-0.30	-0.42	-0.44	-0.56	-0.52	-0.31	-0.44
	-0.40	-0.50	-0.78	-0.57	-0.70	-0.66	-0.77	-0.77	-1.05	7.35e-03	-0.28
	-0.78	-1.04	-3.83e-03	-0.27	-0.78	-1.07	0.02	-0.27	-0.79	-1.06	9.10e-03
	-0.25	-0.16	-1.11	0.07	-0.88	-0.17	-1.12	0.07	-0.88	-0.20	-1.08
	0.03	-0.84	-0.20	-1.08	0.04	-0.84	-0.64	-0.78	-0.27	-0.41	-0.65
	-0.77	-0.28	-0.40	-0.65	-0.79	-0.26	-0.40	-0.66	-0.78	-0.27	-0.39
	-0.36	-0.81	-0.24	-0.69	-0.36	-0.81	-0.24	-0.69	-0.37	-0.79	-0.26
	-0.68	-0.37	-0.79	-0.26	-0.67	-0.30	-0.38	-0.39	-0.47	-0.40	-0.24
	-0.34	-0.31	-0.39	-0.58	-0.41	-0.51	-0.48	-0.56			
293	-0.36	-0.49	-0.51	-0.63	-0.28	-0.40	-0.42	-0.55	-0.50	-0.26	-0.40
	-0.37	-0.45	-0.77	-0.53	-0.67	-0.64	-0.72	-0.78	-1.07	0.10	-0.19
	-0.79	-1.06	0.08	-0.18	-0.79	-1.08	0.11	-0.18	-0.80	-1.07	0.10
	-0.17	-0.13	-1.10	0.13	-0.84	-0.14	-1.10	0.13	-0.83	-0.17	-1.06
	0.09	-0.80	-0.17	-1.06	0.10	-0.79	-0.63	-0.77	-0.21	-0.35	-0.63
	-0.76	-0.21	-0.34	-0.63	-0.77	-0.20	-0.34	-0.64	-0.77	-0.21	-0.33
	-0.32	-0.78	-0.20	-0.65	-0.32	-0.78	-0.19	-0.65	-0.34	-0.76	-0.21
	-0.63	-0.34	-0.76	-0.21	-0.63	-0.28	-0.36	-0.37	-0.46	-0.39	-0.20
	-0.31	-0.28	-0.34	-0.57	-0.38	-0.49	-0.46	-0.53			
294	-0.33	-0.46	-0.48	-0.61	-0.25	-0.38	-0.40	-0.53	-0.48	-0.20	-0.36
	-0.34	-0.39	-0.76	-0.48	-0.64	-0.62	-0.67	-0.78	-1.08	0.19	-0.10
	-0.80	-1.07	0.18	-0.09	-0.79	-1.09	0.20	-0.10	-0.81	-1.07	0.19
	-0.08	-0.10	-1.08	0.19	-0.78	-0.11	-1.08	0.19	-0.78	-0.14	-1.04
	0.15	-0.75	-0.14	-1.04	0.15	-0.74	-0.61	-0.75	-0.14	-0.28	-0.62
	-0.74	-0.15	-0.28	-0.62	-0.75	-0.14	-0.28	-0.62	-0.75	-0.14	-0.27
	-0.29	-0.75	-0.15	-0.61	-0.29	-0.75	-0.14	-0.60	-0.30	-0.73	-0.16
	-0.59	-0.31	-0.73	-0.16	-0.59	-0.25	-0.34	-0.35	-0.44	-0.37	-0.16
	-0.28	-0.26	-0.30	-0.55	-0.34	-0.47	-0.45	-0.49			
295	-0.30	-0.43	-0.45	-0.59	-0.23	-0.36	-0.39	-0.52	-0.45	-0.15	-0.33
	-0.30	-0.33	-0.74	-0.44	-0.61	-0.59	-0.62	-0.79	-1.09	0.28	-0.01
	-0.80	-1.07	0.27	-2.80e-03	-0.80	-1.09	0.29	-6.60e-03	-0.81	-1.08	0.28
	4.88e-03	-0.07	-1.05	0.25	-0.73	-0.08	-1.05	0.25	-0.73	-0.11	-1.01
	0.21	-0.69	-0.11	-1.02	0.21	-0.69	-0.59	-0.73	-0.08	-0.22	-0.60
	-0.73	-0.08	-0.21	-0.60	-0.74	-0.07	-0.21	-0.60	-0.73	-0.08	-0.21
	-0.25	-0.71	-0.10	-0.56	-0.25	-0.71	-0.10	-0.56	-0.27	-0.69	-0.11
	-0.54	-0.27	-0.70	-0.11	-0.54	-0.23	-0.32	-0.33	-0.42	-0.35	-0.11
	-0.25	-0.23	-0.25	-0.54	-0.31	-0.44	-0.43	-0.45			
332	-0.76	-0.85	-0.86	-0.95	-0.59	-0.67	-0.69	-0.77	-0.81	-0.93	-1.01
	-0.78	-1.25	-1.00	-1.12	-1.20	-0.96	-1.43	-1.08	-1.39	-0.75	-1.06
	-1.08	-1.38	-0.76	-1.05	-1.08	-1.39	-0.75	-1.06	-1.08	-1.38	-0.75
	-1.05	-0.59	-1.62	-0.49	-1.52	-0.59	-1.62	-0.49	-1.52	-0.62	-1.60
	-0.52	-1.50	-0.62	-1.60	-0.52	-1.50	-1.07	-1.22	-0.91	-1.06	-1.07
	-1.21	-0.91	-1.05	-1.07	-1.22	-0.91	-1.06	-1.07	-1.21	-0.91	-1.05
	-0.84	-1.33	-0.79	-1.28	-0.84	-1.33	-0.79	-1.28	-0.85	-1.31	-0.80
	-1.27	-0.85	-1.31	-0.80	-1.27	-0.59	-0.64	-0.65	-0.71	-0.62	-0.72
	-0.78	-0.60	-0.96	-0.75	-0.84	-0.90	-0.72	-1.08			
333	-0.72	-0.81	-0.83	-0.92	-0.55	-0.64	-0.66	-0.75	-0.77	-0.86	-0.93
	-0.73	-1.15	-0.97	-1.06	-1.13	-0.93	-1.35	-1.02	-1.32	-0.67	-0.97
	-1.03	-1.31	-0.68	-0.96	-1.02	-1.32	-0.67	-0.97	-1.03	-1.31	-0.68
	-0.96	-0.54	-1.53	-0.44	-1.43	-0.54	-1.54	-0.43	-1.43	-0.57	-1.51
	-0.46	-1.40	-0.57	-1.51	-0.46	-1.40	-1.00	-1.15	-0.84	-0.98	-1.01
	-1.14	-0.84	-0.97	-1.01	-1.15	-0.83	-0.97	-1.01	-1.14	-0.84	-0.97
	-0.78	-1.25	-0.73	-1.20	-0.78	-1.25	-0.73	-1.20	-0.79	-1.23	-0.74
	-1.18	-0.79	-1.23	-0.74	-1.18	-0.55	-0.61	-0.62	-0.68	-0.60	-0.66
	-0.72	-0.56	-0.88	-0.73	-0.79	-0.85	-0.70	-1.01			
334	-0.67	-0.77	-0.79	-0.89	-0.52	-0.61	-0.64	-0.74	-0.74	-0.77	-0.85
	-0.69	-1.03	-0.96	-0.99	-1.07	-0.90	-1.25	-0.97	-1.26	-0.56	-0.86
	-0.98	-1.25	-0.57	-0.85	-0.97	-1.26	-0.56	-0.85	-0.98	-1.25	-0.57
	-0.84	-0.48	-1.45	-0.36	-1.33	-0.48	-1.46	-0.36	-1.33	-0.51	-1.42
	-0.39	-1.30	-0.51	-1.43	-0.39	-1.30	-0.94	-1.08	-0.74	-0.88	-0.95

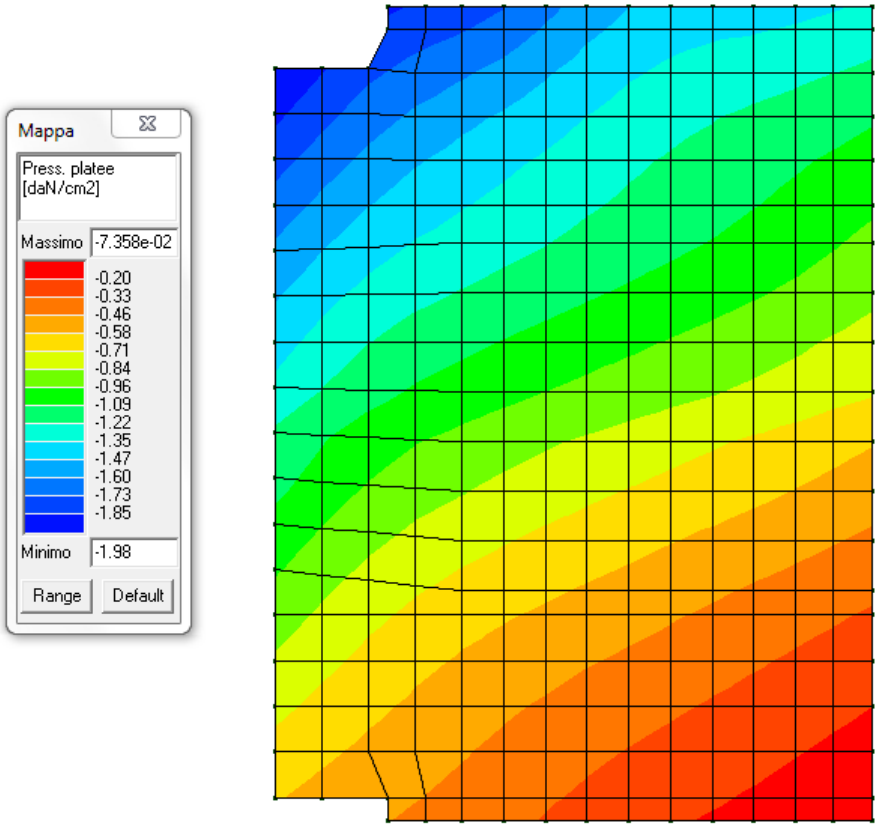
Nodo (G)	Pt 1/12	Pt 2/13	Pt 3...	Pt 4...							
	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2
	-1.07	-0.75	-0.88	-0.94	-1.08	-0.74	-0.88	-0.95	-1.08	-0.75	-0.88
	-0.71	-1.17	-0.65	-1.11	-0.71	-1.17	-0.65	-1.11	-0.72	-1.15	-0.66
	-1.10	-0.72	-1.15	-0.66	-1.10	-0.52	-0.58	-0.60	-0.66	-0.57	-0.60
	-0.65	-0.53	-0.80	-0.72	-0.74	-0.80	-0.67	-0.94			
335	-0.64	-0.74	-0.77	-0.87	-0.50	-0.60	-0.62	-0.72	-0.72	-0.72	-0.81
	-0.66	-0.98	-0.94	-0.95	-1.04	-0.88	-1.20	-0.96	-1.25	-0.48	-0.78
	-0.97	-1.25	-0.49	-0.77	-0.96	-1.26	-0.48	-0.77	-0.97	-1.25	-0.49
	-0.76	-0.45	-1.42	-0.31	-1.28	-0.45	-1.42	-0.31	-1.28	-0.48	-1.39
	-0.34	-1.25	-0.48	-1.39	-0.34	-1.25	-0.92	-1.05	-0.69	-0.82	-0.92
	-1.05	-0.69	-0.82	-0.92	-1.06	-0.68	-0.82	-0.92	-1.05	-0.69	-0.82
	-0.67	-1.13	-0.60	-1.06	-0.67	-1.13	-0.60	-1.06	-0.69	-1.12	-0.62
	-1.05	-0.69	-1.12	-0.62	-1.05	-0.50	-0.56	-0.58	-0.65	-0.55	-0.56
	-0.62	-0.50	-0.75	-0.70	-0.71	-0.77	-0.65	-0.90			
336	-0.61	-0.72	-0.74	-0.84	-0.47	-0.58	-0.60	-0.70	-0.69	-0.67	-0.77
	-0.62	-0.92	-0.92	-0.90	-1.00	-0.85	-1.15	-0.96	-1.25	-0.40	-0.69
	-0.97	-1.24	-0.41	-0.68	-0.96	-1.25	-0.40	-0.69	-0.97	-1.24	-0.41
	-0.68	-0.42	-1.39	-0.25	-1.22	-0.42	-1.39	-0.25	-1.22	-0.45	-1.36
	-0.28	-1.19	-0.45	-1.36	-0.28	-1.19	-0.89	-1.03	-0.62	-0.76	-0.90
	-1.03	-0.63	-0.76	-0.89	-1.03	-0.62	-0.76	-0.90	-1.03	-0.63	-0.76
	-0.64	-1.09	-0.55	-1.01	-0.64	-1.09	-0.55	-1.01	-0.65	-1.08	-0.57
	-1.00	-0.65	-1.08	-0.57	-1.00	-0.47	-0.54	-0.56	-0.63	-0.53	-0.52
	-0.59	-0.48	-0.70	-0.69	-0.67	-0.75	-0.63	-0.86			
337	-0.58	-0.68	-0.70	-0.81	-0.44	-0.55	-0.57	-0.68	-0.66	-0.61	-0.72
	-0.58	-0.84	-0.89	-0.84	-0.95	-0.82	-1.08	-0.94	-1.23	-0.31	-0.60
	-0.95	-1.22	-0.32	-0.59	-0.94	-1.23	-0.31	-0.60	-0.95	-1.22	-0.32
	-0.59	-0.38	-1.34	-0.19	-1.16	-0.38	-1.34	-0.20	-1.16	-0.41	-1.31
	-0.23	-1.12	-0.41	-1.31	-0.23	-1.12	-0.86	-0.99	-0.55	-0.69	-0.86
	-0.99	-0.56	-0.68	-0.86	-0.99	-0.55	-0.69	-0.86	-0.99	-0.56	-0.69
	-0.59	-1.04	-0.50	-0.95	-0.59	-1.04	-0.50	-0.95	-0.61	-1.03	-0.51
	-0.94	-0.61	-1.03	-0.51	-0.94	-0.44	-0.51	-0.53	-0.60	-0.51	-0.47
	-0.56	-0.45	-0.65	-0.66	-0.62	-0.71	-0.60	-0.81			
338	-0.53	-0.65	-0.66	-0.77	-0.41	-0.52	-0.54	-0.65	-0.62	-0.55	-0.66
	-0.54	-0.77	-0.86	-0.78	-0.89	-0.77	-1.00	-0.89	-1.17	-0.26	-0.54
	-0.90	-1.16	-0.27	-0.53	-0.89	-1.17	-0.26	-0.53	-0.90	-1.16	-0.26
	-0.53	-0.34	-1.27	-0.15	-1.08	-0.34	-1.27	-0.15	-1.08	-0.37	-1.24
	-0.18	-1.05	-0.37	-1.24	-0.18	-1.05	-0.80	-0.94	-0.50	-0.63	-0.81
	-0.93	-0.50	-0.62	-0.80	-0.94	-0.50	-0.63	-0.81	-0.93	-0.50	-0.62
	-0.54	-0.98	-0.45	-0.89	-0.54	-0.98	-0.45	-0.89	-0.56	-0.97	-0.46
	-0.87	-0.56	-0.97	-0.46	-0.87	-0.41	-0.48	-0.49	-0.57	-0.48	-0.42
	-0.51	-0.42	-0.59	-0.64	-0.58	-0.66	-0.57	-0.75			
339	-0.50	-0.61	-0.62	-0.73	-0.38	-0.50	-0.50	-0.62	-0.59	-0.49	-0.60
	-0.50	-0.70	-0.83	-0.73	-0.84	-0.74	-0.94	-0.85	-1.12	-0.21	-0.48
	-0.85	-1.11	-0.22	-0.47	-0.85	-1.12	-0.21	-0.48	-0.86	-1.11	-0.22
	-0.47	-0.31	-1.21	-0.11	-1.02	-0.31	-1.21	-0.11	-1.02	-0.34	-1.18
	-0.15	-0.99	-0.34	-1.18	-0.15	-0.99	-0.75	-0.88	-0.45	-0.58	-0.76
	-0.88	-0.45	-0.57	-0.76	-0.88	-0.45	-0.57	-0.76	-0.88	-0.45	-0.57
	-0.50	-0.92	-0.40	-0.83	-0.50	-0.92	-0.40	-0.83	-0.51	-0.91	-0.42
	-0.82	-0.51	-0.91	-0.42	-0.82	-0.38	-0.46	-0.46	-0.54	-0.46	-0.38
	-0.46	-0.39	-0.54	-0.61	-0.54	-0.62	-0.54	-0.70			
....											
1050	-0.49	-0.56	-0.52	-0.81	-0.55	-0.68	-0.76	-0.72	-0.69	-0.61	-0.35
	Min/Max										
	-1.98										
	0.29										

PRESSIONE PLATEA

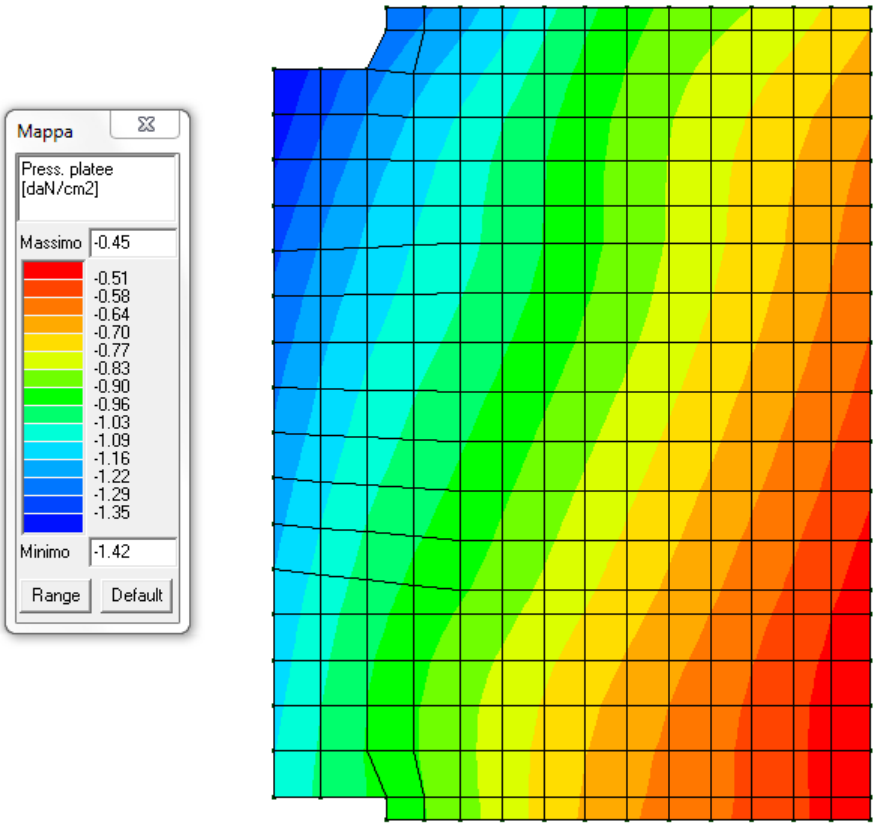
Pressione massima combinazioni SLU STR A1 (CMB 18)



Pressione massima combinazioni SLV sismiche (CMB 35)



Pressione massima combinazioni SLE (rara) (CMB 96)



3.11.1.4 VERIFICHE ELEMENTI PARETE E GUSCIO IN C.A.

TABELLA VERIFICHE ELEMENTI GUSCIO IN C.A.

M_G	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
10	ok 283	0.07	0.1	7.34e-03	15.7	15.7	15.7	15.7	-76.5	-14.4	16.1	1002.6	-3129.4	3190.1
10	ok 284	0.07	0.3	7.83e-03	15.7	15.7	15.7	15.7	82.1	30.4	-49.4	-6917.1	-387.5	3734.2
10	ok 285	0.07	0.7	2.18e-02	15.7	15.7	15.7	15.7	-211.3	1.4	50.5	-2.989e+04	-2030.7	-1144.2
10	ok 286	0.07	1.0	3.45e-02	15.7	19.1	15.7	15.7	-363.1	2.9	-4.4	-3.851e+04	-2061.4	550.9
10	ok 287	0.07	0.9	4.64e-02	15.7	16.8	15.7	15.9	-489.7	12.0	52.7	-1.097e+04	-2878.2	3570.6
10	ok 288	0.07	0.4	3.59e-02	15.7	15.7	15.7	15.7	-295.9	5.7	-1.8	1.614e+04	459.3	5287.8
10	ok 289	0.07	0.5	2.65e-02	15.7	15.7	15.7	15.7	-206.1	5.9	2.3	2.142e+04	392.3	3523.3
10	ok 290	0.07	0.6	1.93e-02	15.7	15.7	15.7	15.7	-123.1	5.2	2.6	2.156e+04	330.2	1622.1
10	ok 291	0.07	0.5	1.40e-02	15.7	15.7	15.7	15.7	-117.1	-5.6	6.1	1.726e+04	421.2	1000.8
10	ok 292	0.07	0.8	7.49e-03	15.7	15.7	15.7	15.7	-2.8	-4.6	-6.4	-2.753e+04	-176.0	-585.4
10	ok 293	0.07	0.5	2.54e-03	15.7	15.7	15.7	15.7	4.3	2.9	-28.7	-1.806e+04	-853.4	85.4
10	ok 294	0.07	0.1	1.97e-03	15.7	15.7	15.7	15.7	47.0	0.3	-13.8	-2927.2	-16.6	1445.4
10	ok 295	0.07	3.60e-02	2.63e-03	15.7	15.7	15.7	15.7	25.4	-3.7	-5.6	368.9	438.0	315.8
10	ok 332	0.07	0.7	6.28e-02	15.7	15.7	15.7	15.7	-199.3	-19.9	-1.7	1.341e+04	258.5	1287.3
10	ok 333	0.07	0.6	5.71e-02	15.7	15.7	15.7	15.7	-288.0	24.6	-37.0	2.367e+04	-1788.9	-4063.5
10	ok 334	0.07	1.0	4.62e-02	19.4	15.7	19.4	15.7	-68.6	-69.5	76.7	1.959e+04	1.823e+04	-1.767e+04
10	ok 335	0.07	0.7	1.61e-02	15.7	15.7	15.7	15.7	187.5	-56.9	-55.5	-1.326e+04	-1874.8	6967.5
10	ok 336	0.07	0.9	2.66e-02	15.7	15.7	15.7	15.7	-93.8	-108.5	-186.2	-2.914e+04	-1.592e+04	-7520.7
10	ok 337	0.08	1.0	6.92e-02	18.5	21.4	18.5	17.5	-289.0	34.3	-305.1	-4.097e+04	-1.825e+04	3189.8
10	ok 338	0.07	0.9	4.55e-02	15.7	16.7	15.7	15.7	-289.7	-15.0	-44.6	7661.1	3267.6	1.187e+04
10	ok 339	0.07	0.6	3.45e-02	15.7	15.7	15.7	15.7	-284.1	-9.7	-25.0	1.582e+04	3807.3	1.287e+04
10	ok 340	0.07	0.6	2.64e-02	15.7	15.7	15.7	15.7	-206.6	-4.8	-11.0	2.130e+04	4498.4	8668.0
10	ok 341	0.07	0.6	2.00e-02	15.7	15.7	15.7	15.7	-157.0	3.0	-3.5	2.137e+04	4548.3	3663.7
10	ok 342	0.07	0.6	1.46e-02	15.7	15.7	15.7	15.7	-29.3	5.8	0.2	-1.412e+04	-2655.1	-7009.8
10	ok 343	0.07	0.9	2.03e-02	15.7	15.7	15.7	15.7	-15.5	16.6	-101.6	-2.947e+04	-9353.6	-2291.2
10	ok 344	0.07	0.5	5.74e-03	15.7	15.7	15.7	15.7	99.8	-38.4	49.5	-1.692e+04	-4140.2	3735.2
10	ok 345	0.07	0.2	5.98e-03	15.7	15.7	15.7	15.7	3.1	-19.5	-2.7	-1720.0	-5005.9	2264.2
10	ok 346	0.07	0.2	2.93e-03	15.7	15.7	15.7	15.7	-23.2	-11.9	-6.7	797.3	3688.3	1185.2
10	ok 383	0.07	0.5	6.13e-02	15.7	15.7	15.7	15.7	-42.4	-16.8	-0.3	9693.9	2398.5	-4669.4
10	ok 384	0.07	0.6	5.50e-02	15.7	15.7	15.7	15.7	-465.6	-10.9	-114.4	2.075e+04	3609.5	-9641.6
10	ok 385	0.07	0.8	4.24e-02	15.7	15.7	15.7	15.7	-373.1	2.7	-128.1	2.380e+04	6049.9	-1.341e+04
10	ok 386	0.07	0.7	3.75e-02	15.7	15.7	15.7	15.7	-372.4	-1.2	-115.8	1.679e+04	1.012e+04	-1.276e+04
10	ok 387	0.07	0.8	3.41e-02	15.7	15.7	15.7	15.7	-265.4	-16.8	-60.2	-8686.0	1.151e+04	-4701.2
10	ok 388	0.07	0.6	3.40e-02	15.7	15.7	15.7	15.7	-277.9	-45.9	-70.5	-9643.0	1.423e+04	8939.8
10	ok 389	0.07	0.6	3.70e-02	15.7	15.7	15.7	15.7	-276.9	-57.7	-65.2	2764.2	1.258e+04	1.455e+04
10	ok 390	0.07	0.6	2.91e-02	15.7	15.7	15.7	15.7	-233.3	-35.9	-40.2	1.264e+04	1.238e+04	1.286e+04
10	ok 391	0.07	0.6	2.40e-02	15.7	15.7	15.7	15.7	-186.3	-22.6	-23.1	1.640e+04	1.208e+04	8654.7
10	ok 392	0.07	0.5	1.92e-02	15.7	15.7	15.7	15.7	-185.8	-21.3	-14.9	1.560e+04	1.153e+04	4857.5
10	ok 393	0.07	0.5	1.47e-02	15.7	15.7	15.7	15.7	-140.7	-9.0	-6.1	1.306e+04	1.137e+04	340.6
10	ok 394	0.07	0.5	9.99e-03	15.7	15.7	15.7	15.7	-101.2	-4.7	-2.7	7453.3	1.137e+04	-2336.6
10	ok 395	0.07	0.4	8.40e-03	15.7	15.7	15.7	15.7	53.5	14.7	4.2	-1.138e+04	-4760.5	3037.8
10	ok 396	0.07	0.3	6.95e-03	15.7	15.7	15.7	15.7	41.5	19.8	-2.5	-4136.2	-6106.8	4229.4
10	ok 397	0.07	0.3	6.26e-03	15.7	15.7	15.7	15.7	-17.0	-57.3	13.5	485.3	1.022e+04	-2175.2
10	ok 434	0.07	0.5	5.21e-02	15.7	15.7	15.7	15.7	-61.9	-32.4	15.2	9498.7	4498.3	-3913.5
10	ok 435	0.07	0.7	5.03e-02	15.7	15.7	15.7	15.7	-398.2	-90.9	-96.2	1.758e+04	8743.7	-8320.9
10	ok 436	0.07	0.7	4.28e-02	15.7	15.7	15.7	15.7	-347.4	-38.6	-98.5	2.217e+04	1.260e+04	-9344.6
10	ok 437	0.07	0.7	3.72e-02	15.7	15.7	15.7	15.7	-350.8	-24.2	-84.1	1.875e+04	1.654e+04	-7729.3
10	ok 438	0.07	0.6	3.28e-02	15.7	15.7	15.7	15.7	-311.0	-32.9	-55.8	9903.0	2.023e+04	-2076.8
10	ok 439	0.07	0.6	2.93e-02	15.7	15.7	15.7	15.7	-228.9	-42.2	-80.4	3481.3	2.126e+04	7175.2
10	ok 440	0.07	0.7	2.72e-02	15.7	15.7	15.7	15.7	-216.2	-62.3	-34.2	5468.7	1.977e+04	1.162e+04
10	ok 441	0.07	0.6	2.43e-02	15.7	15.7	15.7	15.7	-193.2	-54.9	-27.9	9142.0	1.717e+04	1.089e+04
10	ok 442	0.07	0.6	2.12e-02	15.7	15.7	15.7	15.7	-163.5	-39.3	-18.4	1.119e+04	1.506e+04	7668.4
10	ok 443	0.07	0.5	1.78e-02	15.7	15.7	15.7	15.7	-169.4	-32.4	-10.9	1.043e+04	1.375e+04	4605.6
10	ok 444	0.07	0.4	1.45e-02	15.7	15.7	15.7	15.7	-142.0	-23.1	17.5	8728.2	1.362e+04	1087.5
10	ok 445	0.07	0.4	1.13e-02	15.7	15.7	15.7	15.7	-110.1	-4.2	18.3	5688.2	1.434e+04	-1351.3
10	ok 446	0.07	0.4	8.46e-03	15.7	15.7	15.7	15.7	-77.0	-13.5	-22.5	2724.5	1.468e+04	-2995.4
10	ok 447	0.07	0.4	6.33e-03	15.7	15.7	15.7	15.7	-49.2	-31.1	23.4	1341.6	1.475e+04	-3200.5
10	ok 448	0.07	0.4	7.48e-03	15.7	15.7	15.7	15.7	-20.3	-62.8	-17.1	96.0	1.432e+04	-2523.8
10	ok 485	0.07	0.5	4.58e-02	15.7	15.7	15.7	15.7	-91.6	-36.6	23.8	1.020e+04	5099.2	-2500.5
10	ok 486	0.07	0.7	4.56e-02	15.7	15.7	15.7	15.7	-350.0	-128.4	-76.7	1.665e+04	1.033e+04	-6303.8
10	ok 487	0.07	0.7	4.03e-02	15.7	15.7	15.7	15.7	-337.7	-84.5	-98.1	2.402e+04	1.483e+04	-6054.9
10	ok 488	0.07	0.7	3.53e-02	15.7	15.7	15.7	15.7	-222.3	-14.3	8.1	2.305e+04	1.985e+04	-4805.3
10	ok 489	0.07	0.6	3.08e-02	15.7	15.7	15.7	15.7	-208.2	9.1	-5.1	1.727e+04	2.104e+04	1326.3
10	ok 490	0.07	0.7	2.71e-02	15.7	15.7	15.7	15.7	-212.7	-17.6	-9.8	1.327e+04	2.243e+04	5214.0
10	ok 491	0.07	0.6	2.40e-02	15.7	15.7	15.7	15.7	-180.4	-39.6	14.4	8099.5	1.955e+04	7415.7
10	ok 492	0.07	0.5	2.13e-02	15.7	15.7	15.7	15.7	-170.8	-60.1	-52.9	5757.9	1.490e+04	8582.6

M_G	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
10	ok 493	0.07	0.4	1.87e-02	15.7	15.7	15.7	15.7	-145.7	-47.6	-43.8	6256.0	1.126e+04	6380.1
10	ok 494	0.07	0.4	1.60e-02	15.7	15.7	15.7	15.7	-151.2	-39.4	-36.0	5665.1	1.081e+04	4144.9
10	ok 495	0.07	0.3	1.34e-02	15.7	15.7	15.7	15.7	-130.4	-26.2	-5.7	4683.4	1.083e+04	1715.1
10	ok 496	0.07	0.3	1.22e-02	15.7	15.7	15.7	15.7	-105.8	-20.2	-3.8	2417.4	1.195e+04	-380.7
10	ok 497	0.07	0.4	1.24e-02	15.7	15.7	15.7	15.7	-39.6	-17.3	0.4	434.3	1.300e+04	-2749.9
10	ok 498	0.07	0.4	7.89e-03	15.7	15.7	15.7	15.7	-47.2	-27.3	-0.6	527.0	1.377e+04	-3056.3
10	ok 499	0.07	0.4	6.62e-03	15.7	15.7	15.7	15.7	-19.4	-46.9	-10.6	152.3	1.395e+04	-1934.4
10	ok 524	0.07	0.5	4.13e-02	15.7	15.7	15.7	15.7	131.5	169.3	155.2	1.275e+04	413.9	3647.2
10	ok 525	0.07	0.7	4.19e-02	15.7	15.7	15.7	15.7	-327.5	-146.9	-56.7	1.666e+04	1.044e+04	-3719.7
10	ok 526	0.07	0.7	3.82e-02	15.7	15.7	15.7	15.7	-316.8	-109.2	-82.6	2.572e+04	1.550e+04	-2757.9
10	ok 527	0.07	0.8	3.37e-02	15.7	15.7	15.7	15.7	-244.8	-68.6	49.3	2.972e+04	2.267e+04	-2764.2
10	ok 528	0.07	1.0	3.32e-02	15.9	15.7	15.9	15.7	-229.3	32.8	32.4	2.603e+04	2.736e+04	3595.7
10	ok 529	0.07	0.9	2.49e-02	15.7	15.7	15.7	15.7	92.7	42.8	-27.2	-2.158e+04	-1.975e+04	-5710.9
10	ok 530	0.07	0.6	2.18e-02	15.7	15.7	15.7	15.7	121.5	43.8	-90.5	-8191.0	-1.673e+04	-4761.5
10	ok 531	0.07	0.4	1.93e-02	15.7	15.7	15.7	15.7	125.7	20.4	-83.6	-2989.3	-1.115e+04	-5168.9
10	ok 532	0.07	0.3	1.75e-02	15.7	15.7	15.7	15.7	-44.4	-55.3	-111.5	-1641.4	-1.227e+04	-1894.7
10	ok 533	0.07	0.3	1.56e-02	15.7	15.7	15.7	15.7	-23.5	-58.0	-118.4	-1928.2	-1.094e+04	-2347.7
10	ok 534	0.07	0.4	1.42e-02	15.7	15.7	15.7	15.7	88.8	37.1	64.3	2174.5	1.128e+04	-3018.8
10	ok 535	0.07	0.5	1.40e-02	15.7	15.7	15.7	15.7	49.5	92.7	72.4	5195.9	1.497e+04	-2982.1
10	ok 536	0.07	0.6	2.14e-02	15.7	15.7	15.7	15.7	65.2	233.0	67.5	5585.9	1.558e+04	-2014.9
10	ok 537	0.07	0.3	1.08e-02	15.7	15.7	15.7	15.7	14.7	58.2	-25.7	3365.8	1.090e+04	86.1
10	ok 538	0.07	0.3	7.22e-03	15.7	15.7	15.7	15.7	5.0	-3.2	-10.7	626.6	8469.7	-548.0
10	ok 539	0.08	1.0	5.18e-02	21.9	15.7	25.9	15.7	32.8	30.0	-163.1	-3.943e+04	-4.777e+04	-3942.1
10	ok 540	0.07	1.0	2.32e-02	15.8	15.7	17.3	15.7	127.7	19.1	-116.3	-2.347e+04	-3.666e+04	-2938.7
10	ok 541	0.07	0.7	2.04e-02	15.7	15.7	15.7	15.7	119.8	33.7	-115.7	-8863.5	-2.257e+04	-2121.3
10	ok 542	0.07	0.6	2.08e-02	15.7	15.7	15.7	15.7	-59.6	-56.4	-77.2	-3863.7	-2.022e+04	-959.5
10	ok 543	0.07	0.5	2.00e-02	15.7	15.7	15.7	15.7	-45.6	-58.6	-85.3	-3351.8	-1.873e+04	-1390.9
10	ok 544	0.07	0.5	1.88e-02	15.7	15.7	15.7	15.7	-103.8	-80.8	-100.7	-2985.3	-1.863e+04	882.2
10	ok 545	0.07	0.5	1.68e-02	15.7	15.7	15.7	15.7	-42.3	-75.3	-66.0	-3887.1	-1.709e+04	-19.2
10	ok 546	0.07	0.5	1.68e-02	15.7	15.7	15.7	15.7	25.2	-87.3	-61.8	-7938.0	-1.682e+04	945.3
10	ok 547	0.07	0.6	2.49e-02	15.7	15.7	15.7	15.7	39.3	-228.5	-82.4	-1.007e+04	-1.507e+04	738.1
10	ok 548	0.07	0.3	9.34e-03	15.7	15.7	15.7	15.7	19.8	63.2	1.7	4034.6	1.012e+04	-1426.8
10	ok 549	0.07	0.2	8.39e-03	15.7	15.7	15.7	15.7	1.9	12.3	-11.7	-512.4	8208.2	-900.7
10	ok 550	0.07	0.9	2.96e-02	15.7	15.7	15.7	15.7	-94.1	-50.8	-10.2	3.243e+04	1.949e+04	1174.0
10	ok 551	0.07	0.7	3.70e-02	15.7	15.7	15.7	15.7	-169.8	-80.5	-38.8	2.351e+04	1.474e+04	-1965.6
10	ok 552	0.07	0.7	3.94e-02	15.7	15.7	15.7	15.7	-325.7	-145.6	-66.6	1.725e+04	8974.4	-2041.3
10	ok 577	0.07	0.5	3.82e-02	15.7	15.7	15.7	15.7	114.3	174.0	128.7	1.349e+04	-195.9	2556.5
10	ok 578	0.07	1.0	2.98e-02	19.4	15.7	18.4	15.7	-12.8	154.0	141.2	-3.797e+04	-2.120e+04	-2316.1
10	ok 579	0.07	0.6	2.41e-02	15.7	15.7	15.7	15.7	150.0	174.7	210.5	-1.849e+04	-1.592e+04	4945.3
10	ok 580	0.07	0.4	2.16e-02	15.7	15.7	15.7	15.7	157.5	128.7	220.3	-1.022e+04	-1.162e+04	2841.9
10	ok 581	0.07	0.2	1.79e-02	15.7	15.7	15.7	15.7	148.6	124.9	137.9	-5504.2	-7682.7	1017.7
10	ok 582	0.07	0.2	1.44e-02	15.7	15.7	15.7	15.7	147.2	116.7	117.6	-3639.4	-5415.8	-879.9
10	ok 583	0.07	0.2	1.11e-02	15.7	15.7	15.7	15.7	145.9	107.5	110.1	-2686.4	-3577.1	-2279.3
10	ok 584	0.07	0.2	1.15e-02	15.7	15.7	15.7	15.7	-23.4	30.3	-44.3	-1912.6	-4552.8	2602.0
10	ok 585	0.07	0.2	1.30e-02	15.7	15.7	15.7	15.7	13.5	27.4	-53.5	-5240.4	-5641.6	2251.4
10	ok 586	0.07	0.4	1.40e-02	15.7	15.7	15.7	15.7	-48.6	4.9	40.6	-1.187e+04	-7229.5	3478.5
10	ok 587	0.07	0.3	8.27e-03	15.7	15.7	15.7	15.7	-55.4	-11.2	-5.6	-5649.6	-5683.4	2990.4
10	ok 588	0.07	0.2	4.78e-03	15.7	15.7	15.7	15.7	2.3	60.9	1.9	941.4	6395.5	-1439.2
10	ok 589	0.07	0.8	3.16e-02	15.7	15.7	15.7	15.7	-159.1	-64.4	9.9	3.104e+04	1.136e+04	2020.2
10	ok 590	0.07	0.7	3.37e-02	15.7	15.7	15.7	15.7	-189.0	-98.6	-31.0	2.652e+04	1.222e+04	558.3
10	ok 591	0.07	0.6	3.55e-02	15.7	15.7	15.7	15.7	-324.3	-156.6	-103.9	1.771e+04	7519.0	-380.8
10	ok 616	0.07	0.5	3.33e-02	15.7	15.7	15.7	15.7	-154.2	-54.9	35.4	1.318e+04	3974.6	-333.5
10	ok 617	0.07	0.9	3.02e-02	15.7	15.7	15.7	15.7	45.2	95.6	88.0	-2.847e+04	-7576.6	382.5
10	ok 618	0.07	0.5	1.95e-02	15.7	15.7	15.7	15.7	165.5	134.2	142.7	-1.374e+04	-6505.5	2717.9
10	ok 619	0.07	0.4	1.85e-02	15.7	15.7	15.7	15.7	158.4	127.5	154.3	-1.142e+04	-7603.9	3280.2
10	ok 620	0.07	0.3	1.56e-02	15.7	15.7	15.7	15.7	154.1	120.0	142.3	-8339.7	-7183.2	1804.5
10	ok 621	0.07	0.2	1.24e-02	15.7	15.7	15.7	15.7	-19.2	-19.1	39.5	6820.9	7935.9	341.7
10	ok 622	0.07	0.2	1.16e-02	15.7	15.7	15.7	15.7	-15.9	-17.3	40.8	5686.3	6975.5	1617.1
10	ok 623	0.07	0.2	1.16e-02	15.7	15.7	15.7	15.7	-13.1	-15.8	41.5	3661.3	5026.8	2446.5
10	ok 624	0.07	0.2	1.15e-02	15.7	15.7	15.7	15.7	26.9	29.2	-51.9	-4090.0	-713.6	1905.4
10	ok 625	0.07	0.3	9.46e-03	15.7	15.7	15.7	15.7	-63.9	21.7	29.7	-1.154e+04	-3049.1	1995.8
10	ok 626	0.07	0.2	8.17e-03	15.7	15.7	15.7	15.7	-53.3	12.9	-12.2	-5710.2	-3458.8	1860.2
10	ok 627	0.07	0.1	2.82e-03	15.7	15.7	15.7	15.7	-16.9	18.2	-19.8	-936.6	-3268.7	898.3
10	ok 628	0.07	0.7	3.13e-02	15.7	15.7	15.7	15.7	-252.9	-74.9	48.1	2.717e+04	6371.4	363.3
10	ok 629	0.07	0.7	3.31e-02	15.7	15.7	15.7	15.7	-279.5	-108.3	-4.3	2.815e+04	9144.0	994.9
10	ok 632	0.07	0.6	3.34e-02	15.7	15.7	15.7	15.7	-132.1	-15.5	42.0	2.133e+04	4411.3	-183.3
10	ok 655	0.07	0.4	3.34e-02	15.7	15.7	15.7	15.7	-162.5	-64.8	36.3	1.362e+04	3954.3	-357.9
10	ok 656	0.07	0.8	3.30e-02	15.7	15.7	15.7	15.7	57.2	51.9	35.2	-2.691e+04	-5371.4	446.6
10	ok 657	0.07	0.4	2.04e-02	15.7	15.7	15.7	15.7	-147.9	-32.5	90.5	1.200e+04	4394.2	-327.0
10	ok 658	0.07	0.4	1.83e-02	15.7	15.7	15.7	15.7	165.5	121.5	106.6	-1.119e+04	-5163.7	1415.1
10	ok 659	0.07	0.3	1.64e-02	15.7	15.7	15.7	15.7	-23.5	-23.6	34.5	8753.8	8399.1	-294.3
10	ok 660	0.07	0.3	1.43e-02	15.7	15.7	15.7	15.7	-21.1	-20.8	36.1	8252.7	8650.5	64.5
10	ok 661	0.07	0.2	1.19e-02	15.7	15.7	15.7	15.7	-18.4	-18.4	37.4	6740.3	7560.7	341.3
10	ok 662	0.07	0.2	1.12e-02	15.7	15.7	15.7	15.7	-15.7	-16.5	38.5	4001.2	5295.4	409.0

M_G	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
10	ok 663	0.07	0.1	1.16e-02	15.7	15.7	15.7	15.7	109.0	127.3	93.5	2908.4	-1817.2	-1415.6
10	ok 664	0.07	0.3	9.53e-03	15.7	15.7	15.7	15.7	-63.6	25.7	10.0	-1.227e+04	-2364.5	443.4
10	ok 665	0.07	0.2	7.60e-03	15.7	15.7	15.7	15.7	-53.7	36.5	-29.9	-5707.7	-2306.5	471.4
10	ok 666	0.07	6.36e-02	2.49e-03	15.7	15.7	15.7	15.7	-18.8	38.0	-13.3	-768.9	-2119.5	130.9
10	ok 667	0.07	0.6	3.43e-02	15.7	15.7	15.7	15.7	-258.8	-80.5	95.7	2.594e+04	5269.4	27.7
10	ok 670	0.07	0.6	3.57e-02	15.7	15.7	15.7	15.7	-280.9	-114.4	88.5	2.762e+04	6408.8	-84.5
10	ok 671	0.07	0.6	3.45e-02	15.7	15.7	15.7	15.7	-137.2	-22.8	46.3	2.156e+04	4762.6	-370.3
10	ok 694	0.07	0.4	3.55e-02	15.7	15.7	15.7	15.7	-168.1	-72.7	36.1	1.379e+04	4085.7	-430.7
10	ok 697	0.07	0.8	3.73e-02	15.7	15.7	15.7	15.7	65.5	46.4	-32.2	-2.703e+04	-5303.8	349.5
10	ok 698	0.07	0.4	2.11e-02	15.7	15.7	15.7	15.7	-150.2	-41.4	98.4	1.214e+04	4333.7	1303.3
10	ok 699	0.07	0.4	2.10e-02	15.7	15.7	15.7	15.7	160.3	122.8	-44.8	-1.170e+04	-5991.1	-1008.8
10	ok 700	0.07	0.3	1.87e-02	15.7	15.7	15.7	15.7	153.0	119.4	-45.9	-1.019e+04	-7548.4	-900.0
10	ok 701	0.07	0.3	1.59e-02	15.7	15.7	15.7	15.7	149.2	114.1	-8.7	-8442.9	-7865.0	-371.3
10	ok 702	0.07	0.2	1.30e-02	15.7	15.7	15.7	15.7	147.2	109.6	1.9	-6779.3	-7080.4	93.1
10	ok 703	0.07	0.2	1.15e-02	15.7	15.7	15.7	15.7	69.3	98.8	38.8	-5027.8	-4495.9	40.5
10	ok 704	0.07	0.1	1.14e-02	15.7	15.7	15.7	15.7	41.8	44.7	39.8	-4024.3	755.6	-1539.8
10	ok 705	0.07	0.3	1.02e-02	15.7	15.7	15.7	15.7	-65.1	26.9	-15.0	-1.178e+04	-2384.1	-1536.6
10	ok 706	0.07	0.2	7.20e-03	15.7	15.7	15.7	15.7	-54.5	37.7	23.4	-5638.0	-2379.2	-1215.5
10	ok 707	0.07	6.91e-02	2.30e-03	15.7	15.7	15.7	15.7	-17.4	51.4	19.1	-776.2	-2188.9	-377.9
10	ok 708	0.07	0.6	3.84e-02	15.7	15.7	15.7	15.7	-277.8	-88.5	186.9	2.665e+04	5867.4	-719.9
10	ok 709	0.07	0.6	3.98e-02	15.7	15.7	15.7	15.7	-300.2	-126.9	179.0	2.813e+04	7472.1	-1338.7
10	ok 710	0.07	0.6	3.92e-02	15.7	15.7	15.7	15.7	-144.3	-27.9	50.6	2.176e+04	5165.9	-515.2
10	ok 733	0.07	0.4	3.76e-02	15.7	15.7	15.7	15.7	-172.6	-77.0	35.9	1.368e+04	4306.6	-434.4
10	ok 736	0.07	0.9	4.21e-02	15.7	15.7	15.7	15.7	31.2	76.8	-38.9	-2.949e+04	-7477.8	843.7
10	ok 737	0.07	0.5	2.50e-02	15.7	15.7	15.7	15.7	151.0	139.0	-84.5	-1.523e+04	-8037.2	-2496.0
10	ok 738	0.07	0.5	2.45e-02	15.7	15.7	15.7	15.7	145.4	128.2	-95.5	-1.270e+04	-9903.5	-3351.0
10	ok 739	0.07	0.4	2.14e-02	15.7	15.7	15.7	15.7	141.6	117.7	-82.1	-9343.5	-9882.2	-1960.1
10	ok 740	0.07	0.3	1.80e-02	15.7	15.7	15.7	15.7	138.4	113.7	-7.4	-7221.5	-9147.7	-443.6
10	ok 741	0.07	0.3	1.44e-02	15.7	15.7	15.7	15.7	138.4	107.0	2.5	-5908.5	-8087.9	803.2
10	ok 742	0.07	0.2	1.10e-02	15.7	15.7	15.7	15.7	64.0	94.6	23.3	-5234.9	-6072.3	1647.9
10	ok 743	0.07	0.2	1.12e-02	15.7	15.7	15.7	15.7	23.8	41.2	114.9	-5138.8	-2301.9	-2562.9
10	ok 744	0.07	0.3	1.16e-02	15.7	15.7	15.7	15.7	-67.3	40.9	-22.9	-1.101e+04	-3498.8	-2728.7
10	ok 745	0.07	0.2	6.58e-03	15.7	15.7	15.7	15.7	-52.5	34.4	17.4	-5806.2	-4049.7	-2604.1
10	ok 746	0.07	0.1	2.70e-03	15.7	15.7	15.7	15.7	-15.1	43.5	21.6	-970.9	-4121.7	-1144.1
10	ok 747	0.07	0.7	4.24e-02	15.7	15.7	15.7	15.7	-270.6	-85.5	130.9	2.934e+04	9844.7	-2176.3
10	ok 748	0.07	0.7	4.38e-02	15.7	15.7	15.7	15.7	-319.8	-136.3	210.7	2.909e+04	1.030e+04	-2316.0
10	ok 749	0.07	0.6	4.30e-02	15.7	15.7	15.7	15.7	-154.3	-30.2	55.9	2.172e+04	5651.3	-806.7
10	ok 772	0.07	0.5	4.12e-02	15.7	15.7	15.7	15.7	-177.1	-78.0	37.0	1.315e+04	4721.8	-318.1
10	ok 797	0.07	0.5	4.80e-02	15.7	15.7	15.7	15.7	78.8	140.5	-110.1	1.555e+04	846.9	-2448.5
10	ok 798	0.07	0.7	4.92e-02	15.7	15.7	15.7	15.7	-280.0	-101.4	209.1	1.926e+04	7698.4	-2582.5
10	ok 799	0.07	0.7	4.72e-02	15.7	15.7	15.7	15.7	-247.6	-133.3	220.9	2.864e+04	1.289e+04	-3047.2
10	ok 800	0.07	0.9	4.31e-02	15.7	15.7	15.7	15.7	-173.2	-88.5	142.8	3.472e+04	1.630e+04	-4125.6
10	ok 801	0.07	1.0	4.04e-02	20.0	15.7	18.1	15.7	-61.8	170.6	-79.9	-4.092e+04	-2.306e+04	2539.6
10	ok 802	0.07	0.7	3.09e-02	15.7	15.7	15.7	15.7	127.4	177.5	-157.9	-2.084e+04	-1.832e+04	-5799.8
10	ok 803	0.07	0.5	2.84e-02	15.7	15.7	15.7	15.7	134.1	126.1	-163.3	-1.161e+04	-1.452e+04	-3587.1
10	ok 804	0.07	0.4	2.42e-02	15.7	15.7	15.7	15.7	124.6	121.6	-78.6	-6557.5	-1.135e+04	-1538.2
10	ok 805	0.07	0.3	2.02e-02	15.7	15.7	15.7	15.7	124.3	111.5	-58.3	-4635.4	-9406.3	584.1
10	ok 806	0.07	0.3	1.63e-02	15.7	15.7	15.7	15.7	0.8	85.6	48.0	-3067.2	-1.045e+04	996.8
10	ok 807	0.07	0.4	1.23e-02	15.7	15.7	15.7	15.7	-12.7	52.9	112.1	-4374.2	-1.189e+04	145.0
10	ok 808	0.07	0.3	9.82e-03	15.7	15.7	15.7	15.7	39.9	34.3	138.7	-6533.1	-1.162e+04	797.4
10	ok 809	0.07	0.4	1.74e-02	15.7	15.7	15.7	15.7	-64.3	67.4	-47.5	-1.302e+04	-9784.9	-4134.0
10	ok 810	0.07	0.4	1.08e-02	15.7	15.7	15.7	15.7	-47.1	5.8	0.6	-6320.0	-9094.1	-4509.3
10	ok 811	0.07	0.3	6.52e-03	15.7	15.7	15.7	15.7	-2.9	-2.0	-0.6	-901.2	-8708.2	-1219.5
10	ok 836	0.07	0.6	5.28e-02	15.7	15.7	15.7	15.7	75.4	133.6	-127.4	1.589e+04	2080.8	-3666.8
10	ok 837	0.07	0.7	5.37e-02	15.7	15.7	15.7	15.7	-299.5	-94.9	30.7	1.801e+04	9029.9	-3838.7
10	ok 838	0.07	0.6	4.97e-02	15.7	15.7	15.7	15.7	-272.9	-132.0	195.2	2.628e+04	1.380e+04	-2664.0
10	ok 839	0.07	1.0	4.26e-02	15.7	15.7	15.7	15.7	-126.7	-46.2	65.6	3.674e+04	1.908e+04	-1664.5
10	ok 840	0.08	1.0	5.70e-02	23.3	15.7	25.9	15.7	-453.8	-37.4	265.1	-4.632e+04	-4.462e+04	-1794.0
...														
10	ok 1050	0.07	3.96e-02	3.26e-03	15.7	15.7	15.7	15.7	18.1	-11.8	13.3	589.6	899.3	-630.7
M_G		**x/d**	**verif.**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N x**	**N y**	**N xy**	**M x**	**M y**	**M xy**
									-662.44	-335.31	-305.08	-5.106e+04	-4.777e+04	-1.767e+04
		0.08	0.99	0.08	23.51	24.55	25.93	24.55	187.46	233.02	321.48	3.833e+04	2.736e+04	2.565e+04

L'armatura della platea è costituita da una maglia base di 1ϕ20/20/20 inf/sup a cui si aggiungono ferri alternati con sezione variabile.

3.11.1.5 STATI LIMITE D' ESERCIZIO

TABELLA STATI LIMITE D' ESERCIZIO

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
318	0.09	0.35	0.0	89,89,0	0.0	0.0	0.0	0,0,0
319	0.06	0.26	0.0	94,94,0	0.0	0.0	0.0	0,0,0
320	0.13	0.38	0.0	94,94,0	0.0	0.0	0.0	0,0,0
321	0.11	0.29	0.0	94,94,0	0.0	0.0	0.0	0,0,0
322	0.10	0.26	0.0	96,96,0	0.0	0.0	0.0	0,0,0
323	0.10	0.26	0.0	96,96,0	0.0	0.0	0.0	0,0,0
324	0.09	0.25	0.0	96,94,0	0.0	0.0	0.0	0,0,0
325	0.08	0.21	0.0	96,94,0	0.0	0.0	0.0	0,0,0
326	0.11	0.29	0.0	96,96,0	0.0	0.0	0.0	0,0,0
327	0.13	0.38	0.0	96,96,0	0.0	0.0	0.0	0,0,0
328	0.06	0.22	0.0	96,96,0	0.0	0.0	0.0	0,0,0
329	0.02	0.06	0.0	88,88,0	0.0	0.0	0.0	0,0,0
365	0.15	0.42	0.0	96,96,0	0.0	0.0	0.0	0,0,0
366	0.15	0.43	0.0	96,96,0	0.0	0.0	0.0	0,0,0
367	0.14	0.44	0.0	96,94,0	0.0	0.0	0.0	0,0,0
368	0.08	0.28	0.0	89,94,0	0.0	0.0	0.0	0,0,0
369	0.12	0.41	0.0	94,94,0	0.0	0.0	0.0	0,0,0
370	0.12	0.35	0.0	94,94,0	0.0	0.0	0.0	0,0,0
371	0.10	0.27	0.0	96,96,0	0.0	0.0	0.0	0,0,0
372	0.10	0.25	0.0	96,96,0	0.0	0.0	0.0	0,0,0
373	0.09	0.24	0.0	96,94,0	0.0	0.0	0.0	0,0,0
374	0.08	0.20	0.0	96,94,0	0.0	0.0	0.0	0,0,0
375	0.12	0.31	0.0	96,96,0	0.0	0.0	0.0	0,0,0
376	0.13	0.43	0.0	96,96,0	0.0	0.0	0.0	0,0,0
377	0.06	0.23	0.0	96,96,0	0.0	0.0	0.0	0,0,0
378	0.04	0.11	0.0	95,95,0	0.0	0.0	0.0	0,0,0
414	0.14	0.38	0.0	96,96,0	0.0	0.0	0.0	0,0,0
415	0.14	0.40	0.0	96,89,0	0.0	0.0	0.0	0,0,0
416	0.12	0.40	0.0	94,94,0	0.0	0.0	0.0	0,0,0
417	0.12	0.37	0.0	96,96,0	0.0	0.0	0.0	0,0,0
418	0.12	0.37	0.0	96,96,0	0.0	0.0	0.0	0,0,0
419	0.12	0.35	0.0	96,96,0	0.0	0.0	0.0	0,0,0
420	0.10	0.30	0.0	96,96,0	0.0	0.0	0.0	0,0,0
421	0.09	0.24	0.0	94,94,0	0.0	0.0	0.0	0,0,0
422	0.08	0.23	0.0	96,96,0	0.0	0.0	0.0	0,0,0
423	0.08	0.23	0.0	96,96,0	0.0	0.0	0.0	0,0,0
424	0.08	0.23	0.0	96,96,0	0.0	0.0	0.0	0,0,0
425	0.07	0.22	0.0	96,96,0	0.0	0.0	0.0	0,0,0
426	0.07	0.20	0.0	92,92,0	0.0	0.0	0.0	0,0,0
427	0.06	0.18	0.0	92,92,0	0.0	0.0	0.0	0,0,0
463	0.14	0.36	0.0	96,96,0	0.0	0.0	0.0	0,0,0
464	0.14	0.39	0.0	91,94,0	0.0	0.0	0.0	0,0,0
465	0.14	0.39	0.0	91,94,0	0.0	0.0	0.0	0,0,0
466	0.12	0.36	0.0	96,96,0	0.0	0.0	0.0	0,0,0
467	0.12	0.36	0.0	96,96,0	0.0	0.0	0.0	0,0,0
468	0.12	0.35	0.0	96,96,0	0.0	0.0	0.0	0,0,0
469	0.10	0.30	0.0	96,96,0	0.0	0.0	0.0	0,0,0
470	0.09	0.24	0.0	94,94,0	0.0	0.0	0.0	0,0,0
471	0.08	0.23	0.0	96,96,0	0.0	0.0	0.0	0,0,0
472	0.08	0.23	0.0	96,96,0	0.0	0.0	0.0	0,0,0
473	0.08	0.23	0.0	96,96,0	0.0	0.0	0.0	0,0,0
474	0.07	0.22	0.0	96,96,0	0.0	0.0	0.0	0,0,0
475	0.07	0.20	0.0	92,92,0	0.0	0.0	0.0	0,0,0
476	0.06	0.19	0.0	95,92,0	0.0	0.0	0.0	0,0,0
499	0.15	0.36	0.0	96,96,0	0.0	0.0	0.0	0,0,0
500	0.16	0.39	0.0	91,96,0	0.0	0.0	0.0	0,0,0
501	0.16	0.40	0.0	91,96,0	0.0	0.0	0.0	0,0,0
502	0.12	0.33	0.0	96,96,0	0.0	0.0	0.0	0,0,0
503	0.11	0.33	0.0	96,96,0	0.0	0.0	0.0	0,0,0
504	0.10	0.29	0.0	94,94,0	0.0	0.0	0.0	0,0,0
505	0.09	0.24	0.0	94,94,0	0.0	0.0	0.0	0,0,0
506	0.07	0.19	0.0	94,94,0	0.0	0.0	0.0	0,0,0
507	0.06	0.18	0.0	96,96,0	0.0	0.0	0.0	0,0,0
508	0.06	0.19	0.0	96,96,0	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
509	0.06	0.20	0.0	96,96,0	0.0	0.0	0.0	0,0,0
510	0.06	0.20	0.0	96,96,0	0.0	0.0	0.0	0,0,0
511	0.06	0.19	0.0	95,96,0	0.0	0.0	0.0	0,0,0
512	0.06	0.19	0.0	95,92,0	0.0	0.0	0.0	0,0,0
513	0.11	0.28	0.0	92,91,0	0.0	0.0	0.0	0,0,0
514	0.09	0.29	0.0	96,91,0	0.0	0.0	0.0	0,0,0
515	0.09	0.26	0.0	96,96,0	0.0	0.0	0.0	0,0,0
516	0.09	0.24	0.0	96,96,0	0.0	0.0	0.0	0,0,0
517	0.08	0.22	0.0	96,96,0	0.0	0.0	0.0	0,0,0
518	0.07	0.18	0.0	96,92,0	0.0	0.0	0.0	0,0,0
519	0.05	0.16	0.0	90,92,0	0.0	0.0	0.0	0,0,0
520	0.07	0.23	0.0	88,88,0	0.0	0.0	0.0	0,0,0
521	0.06	0.22	0.0	93,88,0	0.0	0.0	0.0	0,0,0
522	0.06	0.17	0.0	95,95,0	0.0	0.0	0.0	0,0,0
523	0.13	0.32	0.0	92,89,0	0.0	0.0	0.0	0,0,0
524	0.17	0.41	0.0	91,96,0	0.0	0.0	0.0	0,0,0
525	0.17	0.41	0.0	91,96,0	0.0	0.0	0.0	0,0,0
526	0.16	0.39	0.0	96,96,0	0.0	0.0	0.0	0,0,0
549	0.10	0.26	0.0	93,92,0	0.0	0.0	0.0	0,0,0
550	0.06	0.27	0.0	94,96,0	0.0	0.0	0.0	0,0,0
551	0.07	0.23	0.0	94,96,0	0.0	0.0	0.0	0,0,0
552	0.07	0.21	0.0	94,96,0	0.0	0.0	0.0	0,0,0
553	0.07	0.20	0.0	94,94,0	0.0	0.0	0.0	0,0,0
554	0.06	0.20	0.0	94,87,0	0.0	0.0	0.0	0,0,0
555	0.04	0.21	0.0	94,87,0	0.0	0.0	0.0	0,0,0
556	0.06	0.20	0.0	88,87,0	0.0	0.0	0.0	0,0,0
557	0.06	0.20	0.0	88,87,0	0.0	0.0	0.0	0,0,0
558	0.05	0.14	0.0	95,95,0	0.0	0.0	0.0	0,0,0
559	0.14	0.33	0.0	92,89,0	0.0	0.0	0.0	0,0,0
560	0.17	0.41	0.0	91,96,0	0.0	0.0	0.0	0,0,0
561	0.17	0.40	0.0	91,91,0	0.0	0.0	0.0	0,0,0
562	0.16	0.39	0.0	96,96,0	0.0	0.0	0.0	0,0,0
585	0.11	0.26	0.0	93,93,0	0.0	0.0	0.0	0,0,0
586	0.07	0.17	0.0	94,94,0	0.0	0.0	0.0	0,0,0
587	0.07	0.16	0.0	94,94,0	0.0	0.0	0.0	0,0,0
588	0.06	0.18	0.0	94,94,0	0.0	0.0	0.0	0,0,0
589	0.06	0.20	0.0	94,87,0	0.0	0.0	0.0	0,0,0
590	0.06	0.22	0.0	94,87,0	0.0	0.0	0.0	0,0,0
591	0.05	0.22	0.0	94,87,0	0.0	0.0	0.0	0,0,0
592	0.07	0.21	0.0	95,87,0	0.0	0.0	0.0	0,0,0
593	0.06	0.18	0.0	94,92,0	0.0	0.0	0.0	0,0,0
594	0.02	0.11	0.0	93,87,0	0.0	0.0	0.0	0,0,0
595	0.12	0.33	0.0	92,89,0	0.0	0.0	0.0	0,0,0
596	0.17	0.40	0.0	91,91,0	0.0	0.0	0.0	0,0,0
597	0.17	0.40	0.0	91,91,0	0.0	0.0	0.0	0,0,0
598	0.16	0.40	0.0	96,96,0	0.0	0.0	0.0	0,0,0
621	0.12	0.27	0.0	93,93,0	0.0	0.0	0.0	0,0,0
622	0.07	0.16	0.0	94,94,0	0.0	0.0	0.0	0,0,0
623	0.07	0.19	0.0	94,94,0	0.0	0.0	0.0	0,0,0
624	0.07	0.20	0.0	94,87,0	0.0	0.0	0.0	0,0,0
625	0.06	0.21	0.0	94,87,0	0.0	0.0	0.0	0,0,0
626	0.05	0.21	0.0	94,87,0	0.0	0.0	0.0	0,0,0
627	0.05	0.22	0.0	94,87,0	0.0	0.0	0.0	0,0,0
628	0.07	0.20	0.0	94,95,0	0.0	0.0	0.0	0,0,0
629	0.06	0.17	0.0	94,94,0	0.0	0.0	0.0	0,0,0
630	0.02	0.11	0.0	94,91,0	0.0	0.0	0.0	0,0,0
631	0.13	0.31	0.0	93,89,0	0.0	0.0	0.0	0,0,0
632	0.17	0.41	0.0	91,91,0	0.0	0.0	0.0	0,0,0
633	0.17	0.41	0.0	91,91,0	0.0	0.0	0.0	0,0,0
634	0.17	0.40	0.0	96,96,0	0.0	0.0	0.0	0,0,0
657	0.12	0.27	0.0	93,93,0	0.0	0.0	0.0	0,0,0
658	0.06	0.18	0.0	94,87,0	0.0	0.0	0.0	0,0,0
659	0.07	0.20	0.0	94,87,0	0.0	0.0	0.0	0,0,0
660	0.07	0.21	0.0	94,87,0	0.0	0.0	0.0	0,0,0
661	0.06	0.21	0.0	94,87,0	0.0	0.0	0.0	0,0,0
662	0.05	0.21	0.0	94,87,0	0.0	0.0	0.0	0,0,0
663	0.04	0.21	0.0	94,87,0	0.0	0.0	0.0	0,0,0
664	0.07	0.20	0.0	94,95,0	0.0	0.0	0.0	0,0,0
665	0.06	0.17	0.0	94,94,0	0.0	0.0	0.0	0,0,0
666	0.02	0.12	0.0	94,91,0	0.0	0.0	0.0	0,0,0
667	0.13	0.31	0.0	93,89,0	0.0	0.0	0.0	0,0,0
668	0.17	0.41	0.0	91,91,0	0.0	0.0	0.0	0,0,0
669	0.17	0.41	0.0	91,91,0	0.0	0.0	0.0	0,0,0
670	0.17	0.40	0.0	96,96,0	0.0	0.0	0.0	0,0,0

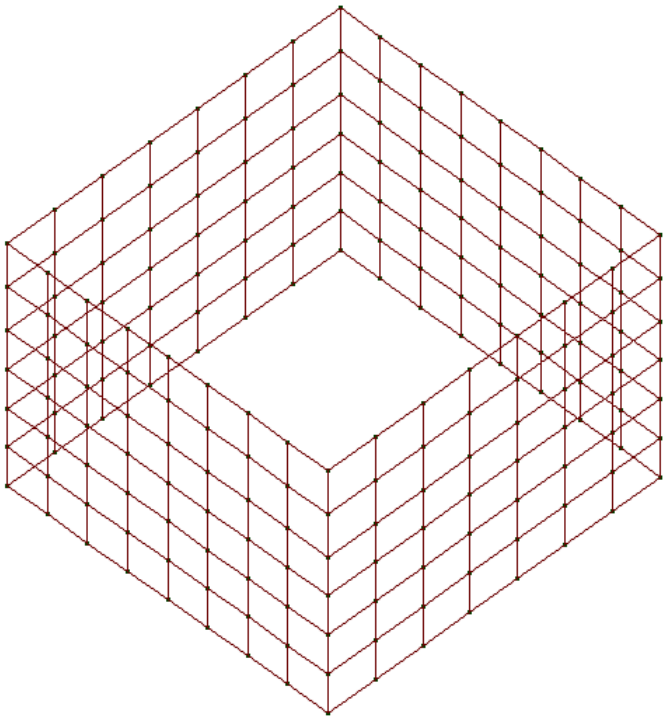
Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
693	0.12	0.25	0.0	93,93,0	0.0	0.0	0.0	0,0,0
694	0.06	0.23	0.0	94,87,0	0.0	0.0	0.0	0,0,0
695	0.06	0.23	0.0	94,87,0	0.0	0.0	0.0	0,0,0
696	0.06	0.23	0.0	94,87,0	0.0	0.0	0.0	0,0,0
697	0.06	0.23	0.0	94,87,0	0.0	0.0	0.0	0,0,0
698	0.05	0.22	0.0	87,87,0	0.0	0.0	0.0	0,0,0
699	0.05	0.21	0.0	87,87,0	0.0	0.0	0.0	0,0,0
700	0.06	0.20	0.0	94,95,0	0.0	0.0	0.0	0,0,0
701	0.06	0.16	0.0	94,94,0	0.0	0.0	0.0	0,0,0
702	0.03	0.12	0.0	94,91,0	0.0	0.0	0.0	0,0,0
703	0.12	0.32	0.0	93,89,0	0.0	0.0	0.0	0,0,0
704	0.18	0.41	0.0	91,91,0	0.0	0.0	0.0	0,0,0
705	0.18	0.41	0.0	91,91,0	0.0	0.0	0.0	0,0,0
706	0.17	0.40	0.0	96,96,0	0.0	0.0	0.0	0,0,0
751	0.17	0.39	0.0	96,96,0	0.0	0.0	0.0	0,0,0
752	0.18	0.41	0.0	91,91,0	0.0	0.0	0.0	0,0,0
753	0.18	0.41	0.0	91,91,0	0.0	0.0	0.0	0,0,0
754	0.12	0.34	0.0	89,89,0	0.0	0.0	0.0	0,0,0
755	0.10	0.28	0.0	93,87,0	0.0	0.0	0.0	0,0,0
756	0.08	0.27	0.0	87,87,0	0.0	0.0	0.0	0,0,0
757	0.07	0.26	0.0	87,87,0	0.0	0.0	0.0	0,0,0
758	0.06	0.24	0.0	87,87,0	0.0	0.0	0.0	0,0,0
759	0.05	0.23	0.0	87,87,0	0.0	0.0	0.0	0,0,0
760	0.06	0.25	0.0	87,87,0	0.0	0.0	0.0	0,0,0
761	0.06	0.25	0.0	87,87,0	0.0	0.0	0.0	0,0,0
762	0.06	0.25	0.0	87,87,0	0.0	0.0	0.0	0,0,0
763	0.06	0.22	0.0	92,87,0	0.0	0.0	0.0	0,0,0
764	0.04	0.16	0.0	92,87,0	0.0	0.0	0.0	0,0,0
787	0.16	0.37	0.0	96,96,0	0.0	0.0	0.0	0,0,0
788	0.18	0.40	0.0	91,91,0	0.0	0.0	0.0	0,0,0
789	0.19	0.40	0.0	91,91,0	0.0	0.0	0.0	0,0,0
790	0.15	0.35	0.0	91,89,0	0.0	0.0	0.0	0,0,0
791	0.12	0.34	0.0	87,91,0	0.0	0.0	0.0	0,0,0
792	0.10	0.32	0.0	91,91,0	0.0	0.0	0.0	0,0,0
793	0.10	0.30	0.0	94,94,0	0.0	0.0	0.0	0,0,0
794	0.11	0.32	0.0	94,94,0	0.0	0.0	0.0	0,0,0
795	0.11	0.32	0.0	94,94,0	0.0	0.0	0.0	0,0,0
796	0.10	0.29	0.0	94,94,0	0.0	0.0	0.0	0,0,0
797	0.08	0.26	0.0	94,87,0	0.0	0.0	0.0	0,0,0
798	0.10	0.37	0.0	87,92,0	0.0	0.0	0.0	0,0,0
799	0.11	0.38	0.0	92,87,0	0.0	0.0	0.0	0,0,0
800	0.05	0.19	0.0	87,87,0	0.0	0.0	0.0	0,0,0
823	0.15	0.31	0.0	91,96,0	0.0	0.0	0.0	0,0,0
824	0.19	0.39	0.0	91,96,0	0.0	0.0	0.0	0,0,0
825	0.19	0.40	0.0	91,96,0	0.0	0.0	0.0	0,0,0
826	0.16	0.37	0.0	91,87,0	0.0	0.0	0.0	0,0,0
827	0.14	0.41	0.0	91,91,0	0.0	0.0	0.0	0,0,0
828	0.14	0.43	0.0	91,96,0	0.0	0.0	0.0	0,0,0
829	0.14	0.42	0.0	96,96,0	0.0	0.0	0.0	0,0,0
830	0.14	0.41	0.0	96,96,0	0.0	0.0	0.0	0,0,0
831	0.14	0.39	0.0	96,96,0	0.0	0.0	0.0	0,0,0
832	0.13	0.35	0.0	96,96,0	0.0	0.0	0.0	0,0,0
833	0.12	0.34	0.0	92,92,0	0.0	0.0	0.0	0,0,0
834	0.14	0.38	0.0	87,92,0	0.0	0.0	0.0	0,0,0
835	0.13	0.39	0.0	87,87,0	0.0	0.0	0.0	0,0,0
836	0.05	0.18	0.0	87,87,0	0.0	0.0	0.0	0,0,0
837	0.16	0.41	0.0	91,96,0	0.0	0.0	0.0	0,0,0
838	0.15	0.41	0.0	96,96,0	0.0	0.0	0.0	0,0,0
839	0.14	0.38	0.0	96,96,0	0.0	0.0	0.0	0,0,0
840	0.12	0.31	0.0	94,94,0	0.0	0.0	0.0	0,0,0
841	0.10	0.25	0.0	94,94,0	0.0	0.0	0.0	0,0,0
842	0.08	0.24	0.0	94,96,0	0.0	0.0	0.0	0,0,0
843	0.08	0.25	0.0	96,96,0	0.0	0.0	0.0	0,0,0
844	0.08	0.25	0.0	96,96,0	0.0	0.0	0.0	0,0,0
845	0.08	0.26	0.0	96,96,0	0.0	0.0	0.0	0,0,0
846	0.08	0.25	0.0	92,96,0	0.0	0.0	0.0	0,0,0
847	0.08	0.24	0.0	92,92,0	0.0	0.0	0.0	0,0,0
848	0.19	0.39	0.0	91,96,0	0.0	0.0	0.0	0,0,0
871	0.14	0.36	0.0	94,94,0	0.0	0.0	0.0	0,0,0
872	0.18	0.38	0.0	91,96,0	0.0	0.0	0.0	0,0,0
873	0.15	0.44	0.0	96,96,0	0.0	0.0	0.0	0,0,0
874	0.16	0.46	0.0	96,96,0	0.0	0.0	0.0	0,0,0
875	0.16	0.46	0.0	96,96,0	0.0	0.0	0.0	0,0,0
876	0.16	0.42	0.0	96,96,0	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
877	0.13	0.35	0.0	96,96,0	0.0	0.0	0.0	0,0,0
878	0.11	0.31	0.0	94,96,0	0.0	0.0	0.0	0,0,0
879	0.11	0.33	0.0	96,96,0	0.0	0.0	0.0	0,0,0
880	0.11	0.33	0.0	96,96,0	0.0	0.0	0.0	0,0,0
881	0.11	0.32	0.0	96,96,0	0.0	0.0	0.0	0,0,0
882	0.10	0.30	0.0	92,92,0	0.0	0.0	0.0	0,0,0
883	0.09	0.28	0.0	92,92,0	0.0	0.0	0.0	0,0,0
884	0.17	0.41	0.0	91,94,0	0.0	0.0	0.0	0,0,0
909	0.20	0.46	0.0	89,89,0	0.0	0.0	0.0	0,0,0
910	0.17	0.42	0.0	91,94,0	0.0	0.0	0.0	0,0,0
911	0.15	0.45	0.0	96,96,0	0.0	0.0	0.0	0,0,0
912	0.17	0.47	0.0	96,96,0	0.0	0.0	0.0	0,0,0
913	0.17	0.46	0.0	96,96,0	0.0	0.0	0.0	0,0,0
914	0.16	0.42	0.0	96,96,0	0.0	0.0	0.0	0,0,0
915	0.14	0.36	0.0	96,96,0	0.0	0.0	0.0	0,0,0
916	0.12	0.31	0.0	96,96,0	0.0	0.0	0.0	0,0,0
917	0.11	0.33	0.0	96,96,0	0.0	0.0	0.0	0,0,0
918	0.11	0.33	0.0	96,96,0	0.0	0.0	0.0	0,0,0
919	0.11	0.33	0.0	96,96,0	0.0	0.0	0.0	0,0,0
920	0.10	0.30	0.0	92,92,0	0.0	0.0	0.0	0,0,0
921	0.09	0.27	0.0	92,92,0	0.0	0.0	0.0	0,0,0
922	0.18	0.60	0.0	91,89,0	0.0	0.0	0.0	0,0,0
947	0.18	0.42	0.0	89,89,0	0.0	0.0	0.0	0,0,0
948	0.23	0.76	0.0	91,89,0	0.22	0.0	0.0	89,0,0
949	0.12	0.43	0.0	89,89,0	0.0	0.0	0.0	0,0,0
950	0.18	0.51	0.0	94,94,0	0.12	0.0	0.0	94,0,0
951	0.19	0.53	0.0	94,94,0	0.0	0.0	0.0	0,0,0
952	0.16	0.39	0.0	96,96,0	0.0	0.0	0.0	0,0,0
953	0.15	0.38	0.0	96,96,0	0.0	0.0	0.0	0,0,0
954	0.15	0.38	0.0	96,96,0	0.0	0.0	0.0	0,0,0
955	0.13	0.33	0.0	96,92,0	0.0	0.0	0.0	0,0,0
956	0.14	0.38	0.0	96,96,0	0.0	0.0	0.0	0,0,0
957	0.15	0.52	0.0	96,96,0	0.0	0.0	0.0	0,0,0
958	0.07	0.30	0.0	96,96,0	0.0	0.0	0.0	0,0,0
959	0.06	0.18	0.0	92,92,0	0.0	0.0	0.0	0,0,0
960	0.18	0.50	0.0	96,89,0	0.11	0.0	0.0	89,0,0
961	0.09	0.24	0.0	89,89,0	0.0	0.0	0.0	0,0,0
962	0.09	0.33	0.0	94,94,0	0.0	0.0	0.0	0,0,0
963	0.21	0.46	0.0	94,94,0	0.0	0.0	0.0	0,0,0
964	0.18	0.43	0.0	94,94,0	0.0	0.0	0.0	0,0,0
965	0.16	0.40	0.0	96,96,0	0.0	0.0	0.0	0,0,0
966	0.16	0.39	0.0	96,96,0	0.0	0.0	0.0	0,0,0
967	0.15	0.39	0.0	96,96,0	0.0	0.0	0.0	0,0,0
968	0.13	0.33	0.0	96,92,0	0.0	0.0	0.0	0,0,0
969	0.13	0.32	0.0	96,96,0	0.0	0.0	0.0	0,0,0
970	0.16	0.44	0.0	96,96,0	0.0	0.0	0.0	0,0,0
971	0.07	0.29	0.0	96,96,0	0.0	0.0	0.0	0,0,0
972	0.01	0.10	0.0	91,92,0	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck		wR	wF	wP	
	0.23	0.76	0.0		0.22	0.0	0.0	

3.11.2 PARETI VASCA

Le pareti della vasca fanghi hanno spessore 40 cm.



3.11.2.1 MODELLAZIONE STRUTTURA: NODI

TABELLA DATI NODI

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
539	3829.0	720.0	200.0	540	3921.5	720.0	200.0	541	4014.0	720.0	200.0
542	4106.5	720.0	200.0	543	4199.0	720.0	200.0	544	4291.5	720.0	200.0
545	4384.0	720.0	200.0	546	4476.5	720.0	200.0	547	4569.0	720.0	200.0
578	3829.0	830.0	200.0	586	4569.0	830.0	200.0	617	3829.0	940.0	200.0
625	4569.0	940.0	200.0	656	3829.0	1050.0	200.0	664	4569.0	1050.0	200.0
697	3829.0	1160.0	200.0	705	4569.0	1160.0	200.0	736	3829.0	1270.0	200.0
744	4569.0	1270.0	200.0	801	3829.0	1380.0	200.0	809	4569.0	1380.0	200.0
840	3829.0	1490.0	200.0	841	3921.5	1490.0	200.0	842	4014.0	1490.0	200.0
843	4106.5	1490.0	200.0	844	4199.0	1490.0	200.0	845	4291.5	1490.0	200.0
846	4384.0	1490.0	200.0	847	4476.5	1490.0	200.0	848	4569.0	1490.0	200.0
1105	3829.0	720.0	290.0	1106	3921.5	720.0	290.0	1107	4014.0	720.0	290.0
1108	4106.5	720.0	290.0	1109	4199.0	720.0	290.0	1110	4291.5	720.0	290.0
1111	4384.0	720.0	290.0	1112	4476.5	720.0	290.0	1113	4569.0	720.0	290.0
1120	3829.0	830.0	290.0	1121	4569.0	830.0	290.0	1128	3829.0	940.0	290.0
1129	4569.0	940.0	290.0	1136	3829.0	1050.0	290.0	1137	4569.0	1050.0	290.0
1144	3829.0	1160.0	290.0	1145	4569.0	1160.0	290.0	1152	3829.0	1270.0	290.0
1153	4569.0	1270.0	290.0	1166	3829.0	1380.0	290.0	1167	4569.0	1380.0	290.0
1174	3829.0	1490.0	290.0	1175	3921.5	1490.0	290.0	1176	4014.0	1490.0	290.0
1177	4106.5	1490.0	290.0	1178	4199.0	1490.0	290.0	1179	4291.5	1490.0	290.0
1180	4384.0	1490.0	290.0	1181	4476.5	1490.0	290.0	1182	4569.0	1490.0	290.0
1328	3829.0	720.0	380.0	1329	3921.5	720.0	380.0	1330	4014.0	720.0	380.0
1331	4106.5	720.0	380.0	1332	4199.0	720.0	380.0	1333	4291.5	720.0	380.0
1334	4384.0	720.0	380.0	1335	4476.5	720.0	380.0	1336	4569.0	720.0	380.0
1343	3829.0	830.0	380.0	1344	4569.0	830.0	380.0	1351	3829.0	940.0	380.0
1352	4569.0	940.0	380.0	1359	3829.0	1050.0	380.0	1360	4569.0	1050.0	380.0

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
1367	3829.0	1160.0	380.0	1368	4569.0	1160.0	380.0	1375	3829.0	1270.0	380.0
1376	4569.0	1270.0	380.0	1389	3829.0	1380.0	380.0	1390	4569.0	1380.0	380.0
1397	3829.0	1490.0	380.0	1398	3921.5	1490.0	380.0	1399	4014.0	1490.0	380.0
1400	4106.5	1490.0	380.0	1401	4199.0	1490.0	380.0	1402	4291.5	1490.0	380.0
1403	4384.0	1490.0	380.0	1404	4476.5	1490.0	380.0	1405	4569.0	1490.0	380.0
1551	3829.0	720.0	470.0	1552	3921.5	720.0	470.0	1553	4014.0	720.0	470.0
1554	4106.5	720.0	470.0	1555	4199.0	720.0	470.0	1556	4291.5	720.0	470.0
1557	4384.0	720.0	470.0	1558	4476.5	720.0	470.0	1559	4569.0	720.0	470.0
1566	3829.0	830.0	470.0	1567	4569.0	830.0	470.0	1574	3829.0	940.0	470.0
1575	4569.0	940.0	470.0	1582	3829.0	1050.0	470.0	1583	4569.0	1050.0	470.0
1590	3829.0	1160.0	470.0	1591	4569.0	1160.0	470.0	1598	3829.0	1270.0	470.0
1599	4569.0	1270.0	470.0	1612	3829.0	1380.0	470.0	1613	4569.0	1380.0	470.0
1620	3829.0	1490.0	470.0	1621	3921.5	1490.0	470.0	1622	4014.0	1490.0	470.0
1623	4106.5	1490.0	470.0	1624	4199.0	1490.0	470.0	1625	4291.5	1490.0	470.0
1626	4384.0	1490.0	470.0	1627	4476.5	1490.0	470.0	1628	4569.0	1490.0	470.0
1789	3829.0	720.0	560.0	1790	3921.5	720.0	560.0	1791	4014.0	720.0	560.0
1792	4106.5	720.0	560.0	1793	4199.0	720.0	560.0	1794	4291.5	720.0	560.0
1795	4384.0	720.0	560.0	1796	4476.5	720.0	560.0	1797	4569.0	720.0	560.0
1807	3829.0	830.0	560.0	1808	4569.0	830.0	560.0	1818	3829.0	940.0	560.0
1819	4569.0	940.0	560.0	1829	3829.0	1050.0	560.0	1830	4569.0	1050.0	560.0
1840	3829.0	1160.0	560.0	1841	4569.0	1160.0	560.0	1851	3829.0	1270.0	560.0
1852	4569.0	1270.0	560.0	1871	3829.0	1380.0	560.0	1872	4569.0	1380.0	560.0
1882	3829.0	1490.0	560.0	1883	3921.5	1490.0	560.0	1884	4014.0	1490.0	560.0
1885	4106.5	1490.0	560.0	1886	4199.0	1490.0	560.0	1887	4291.5	1490.0	560.0
1888	4384.0	1490.0	560.0	1889	4476.5	1490.0	560.0	1890	4569.0	1490.0	560.0
2082	3829.0	720.0	660.0	2083	3921.5	720.0	660.0	2084	4014.0	720.0	660.0
2085	4106.5	720.0	660.0	2086	4199.0	720.0	660.0	2087	4291.5	720.0	660.0
2088	4384.0	720.0	660.0	2089	4476.5	720.0	660.0	2090	4569.0	720.0	660.0
2098	3829.0	830.0	660.0	2099	4569.0	830.0	660.0	2105	3829.0	940.0	660.0
2106	4569.0	940.0	660.0	2112	3829.0	1050.0	660.0	2113	4569.0	1050.0	660.0
2119	3829.0	1160.0	660.0	2120	4569.0	1160.0	660.0	2126	3829.0	1270.0	660.0
2127	4569.0	1270.0	660.0	2138	3829.0	1380.0	660.0	2139	4569.0	1380.0	660.0
2145	3829.0	1490.0	660.0	2146	3921.5	1490.0	660.0	2147	4014.0	1490.0	660.0
2148	4106.5	1490.0	660.0	2149	4199.0	1490.0	660.0	2150	4291.5	1490.0	660.0
2151	4384.0	1490.0	660.0	2152	4476.5	1490.0	660.0	2153	4569.0	1490.0	660.0
2536	3829.0	720.0	760.0	2537	3921.5	720.0	760.0	2538	4014.0	720.0	760.0
2539	4106.5	720.0	760.0	2540	4199.0	720.0	760.0	2541	4291.5	720.0	760.0
2542	4384.0	720.0	760.0	2543	4476.5	720.0	760.0	2544	4569.0	720.0	760.0
2560	3829.0	830.0	760.0	2568	4569.0	830.0	760.0	2582	3829.0	940.0	760.0
2590	4569.0	940.0	760.0	2604	3829.0	1050.0	760.0	2612	4569.0	1050.0	760.0
2626	3829.0	1160.0	760.0	2634	4569.0	1160.0	760.0	2648	3829.0	1270.0	760.0
2656	4569.0	1270.0	760.0	2683	3829.0	1380.0	760.0	2691	4569.0	1380.0	760.0
2705	3829.0	1490.0	760.0	2706	3921.5	1490.0	760.0	2707	4014.0	1490.0	760.0
2708	4106.5	1490.0	760.0	2709	4199.0	1490.0	760.0	2710	4291.5	1490.0	760.0
2711	4384.0	1490.0	760.0	2712	4476.5	1490.0	760.0	2713	4569.0	1490.0	760.0

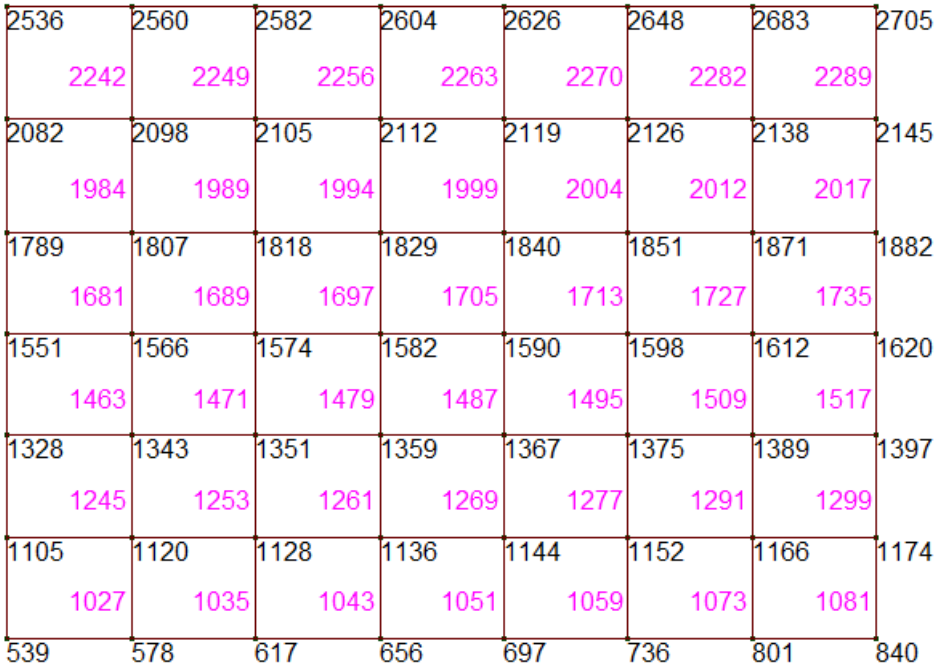
Numerazione nodi ed elementi parete posteriore vasca



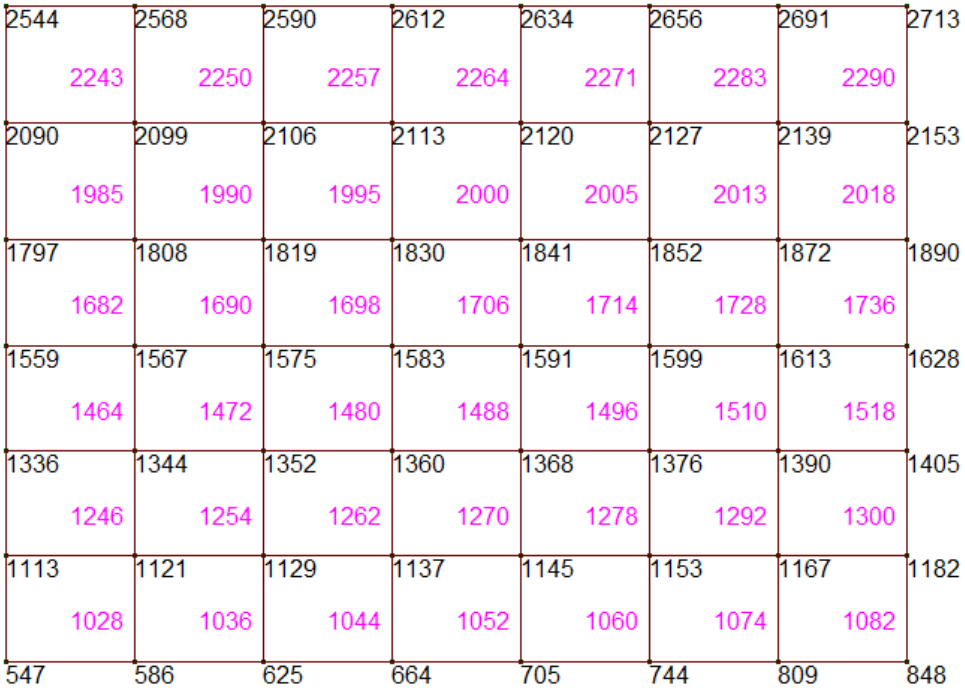
Numerazione nodi ed elementi parete anteriore vasca



Numerazione nodi ed elementi parete sinistra



Numerazione nodi ed elementi parete destra



3.11.2.2 MODELLAZIONE STRUTTURA: ELEMENTI SHELL

TABELLA DATI SHELL

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
1019	Setto	1105	1106	540	539	4	40.0		
1020	Setto	1106	1107	541	540	4	40.0		
1021	Setto	1107	1108	542	541	4	40.0		
1022	Setto	1108	1109	543	542	4	40.0		
1023	Setto	1109	1110	544	543	4	40.0		
1024	Setto	1110	1111	545	544	4	40.0		
1025	Setto	1111	1112	546	545	4	40.0		
1026	Setto	1112	1113	547	546	4	40.0		
1027	Setto	539	578	1120	1105	4	40.0		
1028	Setto	547	586	1121	1113	4	40.0		
1035	Setto	578	617	1128	1120	4	40.0		
1036	Setto	586	625	1129	1121	4	40.0		
1043	Setto	617	656	1136	1128	4	40.0		
1044	Setto	625	664	1137	1129	4	40.0		
1051	Setto	656	697	1144	1136	4	40.0		
1052	Setto	664	705	1145	1137	4	40.0		
1059	Setto	697	736	1152	1144	4	40.0		
1060	Setto	705	744	1153	1145	4	40.0		
1073	Setto	736	801	1166	1152	4	40.0		
1074	Setto	744	809	1167	1153	4	40.0		
1081	Setto	801	840	1174	1166	4	40.0		
1082	Setto	809	848	1182	1167	4	40.0		
1083	Setto	1174	1175	841	840	4	40.0		
1084	Setto	1175	1176	842	841	4	40.0		
1085	Setto	1176	1177	843	842	4	40.0		
1086	Setto	1177	1178	844	843	4	40.0		
1087	Setto	1178	1179	845	844	4	40.0		
1088	Setto	1179	1180	846	845	4	40.0		
1089	Setto	1180	1181	847	846	4	40.0		
1090	Setto	1181	1182	848	847	4	40.0		
1237	Setto	1328	1329	1106	1105	4	40.0		
1238	Setto	1329	1330	1107	1106	4	40.0		
1239	Setto	1330	1331	1108	1107	4	40.0		
1240	Setto	1331	1332	1109	1108	4	40.0		
1241	Setto	1332	1333	1110	1109	4	40.0		
1242	Setto	1333	1334	1111	1110	4	40.0		
1243	Setto	1334	1335	1112	1111	4	40.0		
1244	Setto	1335	1336	1113	1112	4	40.0		
1245	Setto	1105	1120	1343	1328	4	40.0		
1246	Setto	1113	1121	1344	1336	4	40.0		
1253	Setto	1120	1128	1351	1343	4	40.0		
1254	Setto	1121	1129	1352	1344	4	40.0		
1261	Setto	1128	1136	1359	1351	4	40.0		
1262	Setto	1129	1137	1360	1352	4	40.0		
1269	Setto	1136	1144	1367	1359	4	40.0		
1270	Setto	1137	1145	1368	1360	4	40.0		
1277	Setto	1144	1152	1375	1367	4	40.0		
1278	Setto	1145	1153	1376	1368	4	40.0		
1291	Setto	1152	1166	1389	1375	4	40.0		
1292	Setto	1153	1167	1390	1376	4	40.0		
1299	Setto	1166	1174	1397	1389	4	40.0		
1300	Setto	1167	1182	1405	1390	4	40.0		
1301	Setto	1397	1398	1175	1174	4	40.0		
1302	Setto	1398	1399	1176	1175	4	40.0		
1303	Setto	1399	1400	1177	1176	4	40.0		
1304	Setto	1400	1401	1178	1177	4	40.0		
1305	Setto	1401	1402	1179	1178	4	40.0		
1306	Setto	1402	1403	1180	1179	4	40.0		
1307	Setto	1403	1404	1181	1180	4	40.0		
1308	Setto	1404	1405	1182	1181	4	40.0		
1455	Setto	1551	1552	1329	1328	4	40.0		
1456	Setto	1552	1553	1330	1329	4	40.0		
1457	Setto	1553	1554	1331	1330	4	40.0		
1458	Setto	1554	1555	1332	1331	4	40.0		
1459	Setto	1555	1556	1333	1332	4	40.0		
1460	Setto	1556	1557	1334	1333	4	40.0		
1461	Setto	1557	1558	1335	1334	4	40.0		
1462	Setto	1558	1559	1336	1335	4	40.0		

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
1463	Setto	1328	1343	1566	1551	4	40.0		
1464	Setto	1336	1344	1567	1559	4	40.0		
1471	Setto	1343	1351	1574	1566	4	40.0		
1472	Setto	1344	1352	1575	1567	4	40.0		
1479	Setto	1351	1359	1582	1574	4	40.0		
1480	Setto	1352	1360	1583	1575	4	40.0		
1487	Setto	1359	1367	1590	1582	4	40.0		
1488	Setto	1360	1368	1591	1583	4	40.0		
1495	Setto	1367	1375	1598	1590	4	40.0		
1496	Setto	1368	1376	1599	1591	4	40.0		
1509	Setto	1375	1389	1612	1598	4	40.0		
1510	Setto	1376	1390	1613	1599	4	40.0		
1517	Setto	1389	1397	1620	1612	4	40.0		
1518	Setto	1390	1405	1628	1613	4	40.0		
1519	Setto	1620	1621	1398	1397	4	40.0		
1520	Setto	1621	1622	1399	1398	4	40.0		
1521	Setto	1622	1623	1400	1399	4	40.0		
1522	Setto	1623	1624	1401	1400	4	40.0		
1523	Setto	1624	1625	1402	1401	4	40.0		
1524	Setto	1625	1626	1403	1402	4	40.0		
1525	Setto	1626	1627	1404	1403	4	40.0		
1526	Setto	1627	1628	1405	1404	4	40.0		
1673	Setto	1789	1790	1552	1551	4	40.0		
1674	Setto	1790	1791	1553	1552	4	40.0		
1675	Setto	1791	1792	1554	1553	4	40.0		
1676	Setto	1792	1793	1555	1554	4	40.0		
1677	Setto	1793	1794	1556	1555	4	40.0		
1678	Setto	1794	1795	1557	1556	4	40.0		
1679	Setto	1795	1796	1558	1557	4	40.0		
1680	Setto	1796	1797	1559	1558	4	40.0		
1681	Setto	1551	1566	1807	1789	4	40.0		
1682	Setto	1559	1567	1808	1797	4	40.0		
1689	Setto	1566	1574	1818	1807	4	40.0		
1690	Setto	1567	1575	1819	1808	4	40.0		
1697	Setto	1574	1582	1829	1818	4	40.0		
1698	Setto	1575	1583	1830	1819	4	40.0		
1705	Setto	1582	1590	1840	1829	4	40.0		
1706	Setto	1583	1591	1841	1830	4	40.0		
1713	Setto	1590	1598	1851	1840	4	40.0		
1714	Setto	1591	1599	1852	1841	4	40.0		
1727	Setto	1598	1612	1871	1851	4	40.0		
1728	Setto	1599	1613	1872	1852	4	40.0		
1735	Setto	1612	1620	1882	1871	4	40.0		
1736	Setto	1613	1628	1890	1872	4	40.0		
1737	Setto	1882	1883	1621	1620	4	40.0		
1738	Setto	1883	1884	1622	1621	4	40.0		
1739	Setto	1884	1885	1623	1622	4	40.0		
1740	Setto	1885	1886	1624	1623	4	40.0		
1741	Setto	1886	1887	1625	1624	4	40.0		
1742	Setto	1887	1888	1626	1625	4	40.0		
1743	Setto	1888	1889	1627	1626	4	40.0		
1744	Setto	1889	1890	1628	1627	4	40.0		
1976	Setto	2082	2083	1790	1789	4	40.0		
1977	Setto	2083	2084	1791	1790	4	40.0		
1978	Setto	2084	2085	1792	1791	4	40.0		
1979	Setto	2085	2086	1793	1792	4	40.0		
1980	Setto	2086	2087	1794	1793	4	40.0		
1981	Setto	2087	2088	1795	1794	4	40.0		
1982	Setto	2088	2089	1796	1795	4	40.0		
1983	Setto	2089	2090	1797	1796	4	40.0		
1984	Setto	1789	1807	2098	2082	4	40.0		
1985	Setto	1797	1808	2099	2090	4	40.0		
1989	Setto	1807	1818	2105	2098	4	40.0		
1990	Setto	1808	1819	2106	2099	4	40.0		
1994	Setto	1818	1829	2112	2105	4	40.0		
1995	Setto	1819	1830	2113	2106	4	40.0		
1999	Setto	1829	1840	2119	2112	4	40.0		
2000	Setto	1830	1841	2120	2113	4	40.0		
2004	Setto	1840	1851	2126	2119	4	40.0		
2005	Setto	1841	1852	2127	2120	4	40.0		
2012	Setto	1851	1871	2138	2126	4	40.0		
2013	Setto	1852	1872	2139	2127	4	40.0		
2017	Setto	1871	1882	2145	2138	4	40.0		
2018	Setto	1872	1890	2153	2139	4	40.0		

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
2019	Setto	2145	2146	1883	1882	4	40.0		
2020	Setto	2146	2147	1884	1883	4	40.0		
2021	Setto	2147	2148	1885	1884	4	40.0		
2022	Setto	2148	2149	1886	1885	4	40.0		
2023	Setto	2149	2150	1887	1886	4	40.0		
2024	Setto	2150	2151	1888	1887	4	40.0		
2025	Setto	2151	2152	1889	1888	4	40.0		
2026	Setto	2152	2153	1890	1889	4	40.0		
2232	Setto	2536	2537	2083	2082	4	40.0		
2233	Setto	2537	2538	2084	2083	4	40.0		
2234	Setto	2538	2539	2085	2084	4	40.0		
2235	Setto	2539	2540	2086	2085	4	40.0		
2236	Setto	2540	2541	2087	2086	4	40.0		
2237	Setto	2541	2542	2088	2087	4	40.0		
2238	Setto	2542	2543	2089	2088	4	40.0		
2239	Setto	2543	2544	2090	2089	4	40.0		
2242	Setto	2082	2098	2560	2536	4	40.0		
2243	Setto	2090	2099	2568	2544	4	40.0		
2249	Setto	2098	2105	2582	2560	4	40.0		
2250	Setto	2099	2106	2590	2568	4	40.0		
2256	Setto	2105	2112	2604	2582	4	40.0		
2257	Setto	2106	2113	2612	2590	4	40.0		
2263	Setto	2112	2119	2626	2604	4	40.0		
2264	Setto	2113	2120	2634	2612	4	40.0		
2270	Setto	2119	2126	2648	2626	4	40.0		
2271	Setto	2120	2127	2656	2634	4	40.0		
2282	Setto	2126	2138	2683	2648	4	40.0		
2283	Setto	2127	2139	2691	2656	4	40.0		
2289	Setto	2138	2145	2705	2683	4	40.0		
2290	Setto	2139	2153	2713	2691	4	40.0		
2291	Setto	2705	2706	2146	2145	4	40.0		
2292	Setto	2706	2707	2147	2146	4	40.0		
2293	Setto	2707	2708	2148	2147	4	40.0		
2294	Setto	2708	2709	2149	2148	4	40.0		
2295	Setto	2709	2710	2150	2149	4	40.0		
2296	Setto	2710	2711	2151	2150	4	40.0		
2297	Setto	2711	2712	2152	2151	4	40.0		
2298	Setto	2712	2713	2153	2152	4	40.0		

3.11.2.3 VERIFICHE ELEMENTI PARETE E GUSCIO IN C.A.

TABELLA VERIFICHE ELEMENTI PARETE IN C.A.

M_S	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
18	ok 539	0.13	0.9	0.4	19.0	10.1	8.6	7.7	-2211.5	-515.6	-606.0	1.115e+04	1029.7	54.5
18	ok 540	0.12	0.8	7.68e-02	10.1	15.8	7.7	12.4	211.9	12.3	-370.0	9802.3	2529.4	-347.8
18	ok 541	0.11	0.8	6.92e-02	10.1	11.8	7.7	9.4	8.3	62.5	-302.7	9691.3	2108.9	258.0
18	ok 542	0.11	0.9	6.58e-02	10.1	11.5	7.7	9.2	-372.9	-144.4	56.9	4299.8	820.2	-326.5
18	ok 543	0.11	0.8	6.28e-02	10.1	11.4	7.7	9.0	72.8	88.0	-334.2	7151.1	1432.7	517.4
18	ok 544	0.11	0.8	5.80e-02	10.1	10.8	7.7	8.4	113.5	137.8	-313.8	5879.5	1167.5	542.8
18	ok 545	0.10	0.7	5.01e-02	10.1	10.1	7.7	7.7	133.1	141.3	-267.5	3723.5	722.5	421.8
18	ok 546	0.10	0.5	4.50e-02	10.1	10.1	7.7	7.7	-139.4	-34.7	36.9	3593.1	798.7	-359.1
18	ok 547	0.11	0.8	0.1	12.0	10.1	9.6	7.7	-671.9	-184.2	99.1	3305.5	625.1	-80.8
18	ok 1105	0.12	0.8	0.2	14.6	13.1	8.9	10.7	-1467.1	-270.6	-437.5	1690.2	-1534.2	-52.7
18	ok 1106	0.10	0.4	0.2	10.1	10.1	7.7	7.7	-241.5	-295.4	-444.1	3669.3	1817.6	95.5
18	ok 1107	0.10	0.4	9.18e-02	10.1	10.1	7.7	7.7	-78.3	-206.2	-389.9	3661.4	1371.7	527.7
18	ok 1108	0.10	0.3	6.73e-02	10.1	10.1	7.7	7.7	-35.4	-82.6	-345.1	3150.0	639.0	527.8
18	ok 1109	0.10	0.3	5.93e-02	10.1	10.1	7.7	7.7	-4.4	-5.4	-347.8	2053.0	234.1	117.1
18	ok 1110	0.10	0.2	5.48e-02	10.1	10.1	7.7	7.7	-297.1	-79.1	-93.2	1964.7	85.6	-619.3
18	ok 1111	0.10	0.3	5.01e-02	10.1	10.1	7.7	7.7	-266.2	-60.0	-99.2	1891.7	122.1	-1072.6
18	ok 1112	0.10	0.3	5.39e-02	10.1	10.1	7.7	7.7	122.8	111.6	-256.6	-1060.7	-449.3	-942.3
18	ok 1113	0.10	0.5	8.95e-02	10.1	10.1	7.7	7.7	-555.7	-52.5	-76.9	3076.7	2074.5	-162.9
18	ok 1328	0.10	0.7	0.1	10.1	10.1	7.7	7.7	-552.9	50.8	-259.1	585.3	2146.5	-80.6

M_S	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
18	ok 1329	0.10	0.3	0.1	10.1	10.1	7.7	7.7	-378.0	-72.2	-472.1	-552.4	779.4	990.2
18	ok 1330	0.10	0.3	9.78e-02	10.1	10.1	7.7	7.7	-148.3	-90.5	-482.4	-1022.8	-86.1	766.3
18	ok 1331	0.10	0.3	8.11e-02	10.1	10.1	7.7	7.7	-58.0	-56.0	-401.4	-1078.5	-650.3	267.6
18	ok 1332	0.10	0.3	6.72e-02	10.1	10.1	7.7	7.7	-322.5	-24.1	76.7	-2930.0	-1398.2	-41.1
18	ok 1333	0.10	0.3	5.81e-02	10.1	10.1	7.7	7.7	-304.5	-14.9	54.4	-2490.1	-1238.7	-326.0
18	ok 1334	0.10	0.2	4.87e-02	10.1	10.1	7.7	7.7	-232.8	-11.9	-114.3	-2665.7	-1150.8	-984.2
18	ok 1335	0.10	0.2	5.34e-02	10.1	10.1	7.7	7.7	-238.4	45.7	-141.5	-1293.4	-585.2	-1281.2
18	ok 1336	0.10	0.5	5.14e-02	10.1	10.1	7.7	7.7	-168.8	83.6	-162.4	855.5	4040.7	-457.7
18	ok 1551	0.10	0.7	8.53e-02	10.1	10.1	7.7	7.7	-394.0	60.2	-293.1	1072.6	4481.6	-196.1
18	ok 1552	0.10	0.2	9.47e-02	10.1	10.1	7.7	7.7	-316.2	28.5	-417.4	-511.9	747.6	533.0
18	ok 1553	0.10	0.4	9.12e-02	10.1	10.1	7.7	7.7	-179.7	1.6	-449.9	-1354.3	-638.7	454.1
18	ok 1554	0.10	0.4	8.18e-02	10.1	10.1	7.7	7.7	-91.3	-25.6	-438.8	-2031.8	-1231.5	94.9
18	ok 1555	0.10	0.4	7.18e-02	10.1	10.1	7.7	7.7	-49.5	-18.8	-389.2	-2505.7	-1604.0	-201.5
18	ok 1556	0.10	0.3	6.53e-02	10.1	10.1	7.7	7.7	-37.6	-16.4	-381.9	-2336.2	-1562.5	-308.3
18	ok 1557	0.10	0.2	5.85e-02	10.1	10.1	7.7	7.7	-187.3	-57.3	-182.7	-126.3	-37.7	110.2
18	ok 1558	0.10	0.1	5.69e-02	10.1	10.1	7.7	7.7	-253.6	43.5	-141.8	-1137.9	141.0	-267.3
18	ok 1559	0.10	0.6	4.21e-02	10.1	10.1	7.7	7.7	-205.1	54.7	-139.6	999.5	4873.6	-109.4
18	ok 1789	0.11	0.8	6.41e-02	10.1	10.8	7.7	8.5	-155.4	57.0	-337.1	804.8	4502.6	-13.4
18	ok 1790	0.10	0.3	7.87e-02	10.1	10.1	7.7	7.7	-150.2	-15.9	269.9	-785.7	-847.2	-1146.9
18	ok 1791	0.10	0.2	8.02e-02	10.1	10.1	7.7	7.7	-161.1	54.0	-387.2	-1326.9	-913.0	-354.9
18	ok 1792	0.10	0.3	7.61e-02	10.1	10.1	7.7	7.7	-95.3	37.1	-401.0	-2073.5	-1509.1	-262.6
18	ok 1793	0.10	0.4	7.02e-02	10.1	10.1	7.7	7.7	-64.8	2.2	-393.9	-2214.8	-1504.2	-181.4
18	ok 1794	0.10	0.3	6.73e-02	10.1	10.1	7.7	7.7	-49.2	-38.4	-377.7	-1907.4	-1335.5	-21.1
18	ok 1795	0.10	0.3	6.72e-02	10.1	10.1	7.7	7.7	-33.3	-92.6	-349.2	-858.4	-582.8	215.3
18	ok 1796	0.10	0.1	9.74e-02	10.1	10.1	7.7	7.7	-384.2	-168.1	-318.2	87.1	368.9	235.7
18	ok 1797	0.10	0.6	6.30e-02	10.1	10.1	7.7	7.7	-298.3	228.0	32.9	-272.2	-211.2	64.8
18	ok 2082	0.11	0.8	0.1	10.1	11.6	7.7	9.2	-649.5	-363.7	293.6	-312.1	-3107.3	-66.5
18	ok 2083	0.10	0.7	9.34e-02	10.1	10.6	7.7	8.2	-8.3	-378.3	340.0	2253.1	540.4	-685.1
18	ok 2084	0.10	0.2	6.84e-02	10.1	10.1	7.7	7.7	-84.9	158.4	-313.0	-1834.2	-1065.1	-989.4
18	ok 2085	0.10	0.2	6.80e-02	10.1	10.1	7.7	7.7	-105.1	68.8	-349.0	-1834.7	-1050.1	-595.5
18	ok 2086	0.10	0.2	6.63e-02	10.1	10.1	7.7	7.7	-69.7	25.8	-352.2	-1620.4	-966.7	-60.2
18	ok 2087	0.10	0.2	6.40e-02	10.1	10.1	7.7	7.7	-44.4	-78.1	-321.7	-714.6	-547.5	335.8
18	ok 2088	0.10	0.3	6.37e-02	10.1	10.1	7.7	7.7	-32.1	-135.8	-292.0	-151.4	-161.3	639.4
18	ok 2089	0.10	0.2	7.69e-02	10.1	10.1	7.7	7.7	-97.7	-263.8	-257.7	763.4	749.3	519.2
18	ok 2090	0.10	0.2	0.2	10.1	10.1	7.7	7.7	-660.8	-791.0	-123.2	-1132.9	-558.3	186.7
18	ok 2536	0.11	0.8	0.2	14.2	10.1	11.8	7.7	-943.6	-314.0	462.5	1.068e+04	635.8	-1758.1
18	ok 2537	0.11	0.8	7.53e-02	10.1	12.2	7.7	7.7	493.5	-33.4	21.4	4426.4	1245.7	-354.6
18	ok 2538	0.10	0.3	5.54e-02	10.1	10.1	7.7	7.7	-98.2	100.0	-291.4	-2008.8	-516.0	-715.5
18	ok 2539	0.10	0.2	6.23e-02	10.1	10.1	7.7	7.7	-105.8	76.8	-328.1	-1565.0	-461.5	-237.3
18	ok 2540	0.10	0.2	6.05e-02	10.1	10.1	7.7	7.7	-86.1	39.6	-332.3	-1022.4	-296.5	172.9
18	ok 2541	0.10	0.1	5.97e-02	10.1	10.1	7.7	7.7	-102.0	-75.6	-266.9	-225.2	-83.2	517.5
18	ok 2542	0.10	0.2	5.52e-02	10.1	10.1	7.7	7.7	-63.2	-87.8	-254.2	336.0	91.7	644.0
18	ok 2543	0.10	0.3	5.40e-02	10.1	10.1	7.7	7.7	-58.7	-192.0	-189.3	459.6	522.4	644.0
18	ok 2544	0.10	0.2	0.1	10.1	10.1	7.7	7.7	-569.8	215.7	-264.4	3816.4	-172.1	-270.0

M_S		x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									-2211.47	-790.96	-605.98	-2930.00	-3107.32	-1758.08
		0.13	0.89	0.36	19.01	15.75	11.81	12.43	493.52	227.98	462.51	1.115e+04	4873.59	990.19

M_S	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
19	ok 539	0.13	0.9	0.3	20.7	10.1	8.3	7.7	-2112.4	-308.7	199.9	1.508e+04	1562.5	513.8
19	ok 578	0.12	0.9	5.55e-02	10.1	16.5	7.7	9.1	260.4	51.9	-57.2	1.372e+04	3798.7	358.7
19	ok 617	0.11	1.0	6.06e-02	10.1	12.6	7.7	8.9	-367.5	-80.1	-21.6	1258.3	279.8	-39.3
19	ok 656	0.11	1.0	6.17e-02	10.1	12.4	7.7	8.3	-383.1	-92.1	11.9	813.6	178.0	2.3
19	ok 697	0.11	1.0	5.83e-02	10.1	12.8	7.7	8.1	-367.1	-87.3	46.5	972.6	216.0	42.4
19	ok 736	0.11	1.0	5.14e-02	10.1	13.6	7.7	8.9	-326.8	-68.2	-0.4	1694.3	390.0	15.1
19	ok 801	0.13	1.0	5.08e-02	10.1	18.4	7.7	8.8	282.5	73.3	176.5	1.450e+04	3957.3	-391.2
19	ok 840	0.13	0.9	0.4	20.3	10.1	8.3	7.7	-2361.4	-354.7	-247.2	1.642e+04	1796.4	-593.5
19	ok 1105	0.12	0.9	0.2	14.7	10.1	7.8	7.7	-1444.1	-280.5	-9.3	1868.7	-599.9	-336.4
19	ok 1120	0.10	0.4	7.88e-02	10.1	10.1	7.7	7.7	-239.1	-297.6	197.1	5559.3	1822.4	-701.0
19	ok 1128	0.10	0.4	5.77e-02	10.1	10.1	7.7	7.7	-172.8	-108.6	159.0	1955.6	506.8	-419.7
19	ok 1136	0.10	0.4	5.66e-02	10.1	10.1	7.7	7.7	-182.8	31.0	-190.8	-1005.0	-434.9	-143.3
19	ok 1144	0.10	0.5	5.41e-02	10.1	10.1	7.7	7.7	-338.4	-58.6	-9.4	918.1	278.9	-97.5
19	ok 1152	0.10	0.5	5.20e-02	10.1	10.1	7.7	7.7	-168.9	-150.9	103.9	6185.4	1690.9	678.3
19	ok 1166	0.10	0.5	9.23e-02	10.1	10.1	7.7	7.7	-271.6	-337.5	-232.6	6075.5	2133.2	502.2
19	ok 1174	0.12	0.9	0.2	15.3	10.1	8.5	7.7	-1603.6	-304.9	-10.3	2318.2	-948.3	286.3
19	ok 1328	0.10	0.6	0.1	10.1	10.1	7.7	7.7	-473.3	25.8	-260.8	679.5	2284.1	-1044.7
19	ok 1343	0.10	0.2	6.47e-02	10.1	10.1	7.7	7.7	-304.6	-30.0	-81.9	-1112.5	-730.0	-2098.3
19	ok 1351	0.10	0.3	5.30e-02	10.1	10.1	7.7	7.7	-202.5	60.3	-215.8	-2406.7	-1004.5	-349.6
19	ok 1359	0.10	0.3	5.15e-02	10.1	10.1	7.7	7.7	-173.2	52.2	-193.2	-2772.0	-1111.7	-160.3
19	ok 1367	0.10	0.3	5.10e-02	10.1	10.1	7.7	7.7	-221.2	80.6	-106.1	-4776.5	-1546.4	-26.3
19	ok 1375	0.10	0.3	5.45e-02	10.1	10.1	7.7	7.7	-179.5	-62.7	-192.5	-1092.1	-486.2	448.5

M_S	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
19	ok 1389	0.10	0.2	7.37e-02	10.1	10.1	7.7	7.7	-416.0	-41.5	-79.8	-364.8	-639.2	2087.9
19	ok 1397	0.10	0.6	0.1	10.1	10.1	7.7	7.7	-563.7	19.7	251.7	641.2	1883.2	1073.6
19	ok 1551	0.10	0.6	7.23e-02	10.1	10.1	7.7	7.7	-323.7	33.7	-254.6	951.9	4035.4	-546.5
19	ok 1566	0.10	0.2	5.22e-02	10.1	10.1	7.7	7.7	-213.8	26.0	-153.0	-1440.0	-513.4	-1089.3
19	ok 1574	0.10	0.3	4.94e-02	10.1	10.1	7.7	7.7	-120.9	18.6	-212.0	-1874.9	-1161.7	-215.4
19	ok 1582	0.10	0.3	5.09e-02	10.1	10.1	7.7	7.7	-182.1	45.0	-218.0	-2031.3	-966.0	-50.1
19	ok 1590	0.10	0.3	5.02e-02	10.1	10.1	7.7	7.7	-139.4	-17.1	-206.9	-1947.0	-1175.4	-6.3
19	ok 1598	0.10	0.3	5.04e-02	10.1	10.1	7.7	7.7	-176.9	-9.1	-196.9	-1703.8	-908.1	178.6
19	ok 1612	0.10	0.2	6.01e-02	10.1	10.1	7.7	7.7	-295.8	16.9	141.1	-1384.3	-629.5	1151.6
19	ok 1620	0.10	0.5	8.24e-02	10.1	10.1	7.7	7.7	-401.8	30.3	248.8	948.8	3707.6	515.8
19	ok 1789	0.10	0.7	5.50e-02	10.1	10.1	7.7	7.7	-160.1	34.2	-265.6	308.6	4079.1	-383.5
19	ok 1807	0.10	0.2	5.03e-02	10.1	10.1	7.7	7.7	-115.1	27.9	-239.4	-818.5	-61.5	330.1
19	ok 1818	0.10	0.4	4.84e-02	10.1	10.1	7.7	7.7	-94.8	27.1	-221.7	-1457.2	-923.0	167.3
19	ok 1829	0.10	0.4	4.76e-02	10.1	10.1	7.7	7.7	-129.0	43.8	-232.2	441.9	-230.2	-18.3
19	ok 1840	0.10	0.4	4.88e-02	10.1	10.1	7.7	7.7	-149.4	42.7	-215.5	479.4	-446.1	-184.4
19	ok 1851	0.10	0.4	4.62e-02	10.1	10.1	7.7	7.7	-146.6	25.4	-203.0	552.2	163.1	-385.1
19	ok 1871	0.10	0.2	4.66e-02	10.1	10.1	7.7	7.7	-180.1	31.2	-157.9	353.2	870.1	-707.2
19	ok 1882	0.10	0.6	6.27e-02	10.1	10.1	7.7	7.7	-231.1	33.7	264.7	272.4	3801.0	351.6
19	ok 2082	0.10	0.4	0.1	10.1	10.1	7.7	7.7	-633.7	-302.3	-40.1	641.5	-2095.6	-853.5
19	ok 2098	0.10	0.6	4.99e-02	10.1	10.1	7.7	7.7	-71.5	-197.3	-75.7	6334.3	2752.4	-812.3
19	ok 2105	0.10	0.7	4.31e-02	10.1	10.1	7.7	7.7	-11.6	138.2	-126.8	-5459.8	-2519.1	1377.6
19	ok 2112	0.10	0.5	4.45e-02	10.1	10.1	7.7	7.7	-122.2	50.4	-200.3	2994.7	504.3	-5.4
19	ok 2119	0.10	0.5	4.68e-02	10.1	10.1	7.7	7.7	-148.4	73.7	-232.1	2386.2	148.7	-212.7
19	ok 2126	0.10	0.6	4.62e-02	10.1	10.1	7.7	7.7	-128.9	61.2	-229.2	2384.6	528.6	-331.7
19	ok 2138	0.10	0.6	4.09e-02	10.1	10.1	7.7	7.7	-69.8	-166.0	-117.8	5937.7	2728.8	627.1
19	ok 2145	0.10	0.4	0.1	10.1	10.1	7.7	7.7	-592.6	-272.2	-127.8	602.0	-1742.9	892.2
19	ok 2536	0.11	0.8	0.2	14.1	10.1	9.1	7.7	-956.3	-76.2	-71.0	1.599e+04	1665.8	-332.9
19	ok 2560	0.11	0.8	3.41e-02	10.1	14.1	7.7	9.3	257.5	154.6	151.2	9791.4	3201.0	-1447.1
19	ok 2582	0.10	0.7	3.81e-02	10.1	10.1	7.7	7.7	-145.9	116.5	148.8	3700.3	845.3	270.4
19	ok 2604	0.10	0.6	4.13e-02	10.1	10.1	7.7	7.7	-131.4	95.5	-213.9	4635.5	995.7	40.0
19	ok 2626	0.10	0.7	4.19e-02	10.1	10.1	7.7	7.7	-129.7	124.2	-228.1	3508.7	965.7	-166.1
19	ok 2648	0.10	0.7	4.51e-02	10.1	10.1	7.7	7.7	-142.1	127.8	-216.6	3699.0	840.3	-306.5
19	ok 2683	0.12	0.8	4.04e-02	10.1	14.7	7.7	11.3	229.9	239.4	-325.7	9186.2	3216.9	1302.1
19	ok 2705	0.11	0.8	0.1	12.7	10.1	9.3	7.7	-865.3	58.0	-128.0	1.541e+04	1178.5	378.2

M_S		x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									-2361.37	-354.67	-325.72	-5459.84	-2519.14	-2098.34
		0.13	0.98	0.36	20.66	18.43	9.29	11.26	282.49	239.39	264.73	1.642e+04	4079.07	2087.89

M_S	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
20	ok 547	0.11	0.8	0.1	10.1	11.3	7.7	8.5	-671.1	-197.4	277.7	-1765.5	-298.6	218.0
20	ok 586	0.10	0.4	5.02e-02	10.1	10.1	7.7	7.7	47.4	0.7	245.3	-3106.5	-590.5	364.2
20	ok 625	0.10	0.5	4.29e-02	10.1	10.1	7.7	7.7	-132.3	37.7	-204.5	-4824.9	-905.9	115.3
20	ok 664	0.10	0.7	4.44e-02	10.1	10.1	7.7	7.7	155.1	120.4	-107.3	-5042.5	-959.0	-139.2
20	ok 705	0.10	0.7	4.02e-02	10.1	10.1	7.7	7.7	188.6	110.7	-175.9	-5265.3	-1004.5	-51.3
20	ok 744	0.10	0.7	3.46e-02	10.1	10.1	7.7	7.7	194.5	97.7	-199.7	-4314.7	-820.9	7.7
20	ok 809	0.10	0.7	4.01e-02	10.3	10.1	7.9	7.7	282.0	25.2	-343.8	-2872.4	-553.9	-150.6
20	ok 848	0.10	0.2	0.2	10.1	10.1	7.7	7.7	-1014.1	-294.7	-437.0	-3135.6	-264.3	-336.8
20	ok 1113	0.10	0.5	0.1	10.1	10.1	7.7	7.7	-568.0	-115.2	298.9	-1092.8	-1453.1	219.5
20	ok 1121	0.10	0.3	5.83e-02	10.1	10.1	7.7	7.7	-96.4	-48.7	291.7	505.1	740.1	1140.1
20	ok 1129	0.10	0.2	4.59e-02	10.1	10.1	7.7	7.7	-142.3	100.5	-189.6	598.4	666.5	852.6
20	ok 1137	0.10	8.13e-02	4.65e-02	10.1	10.1	7.7	7.7	124.2	83.0	-106.5	434.9	366.0	127.9
20	ok 1145	0.10	8.81e-02	4.27e-02	10.1	10.1	7.7	7.7	156.2	50.0	-181.6	275.2	315.2	-256.5
20	ok 1153	0.10	0.2	5.31e-02	10.1	10.1	7.7	7.7	155.6	33.9	-217.7	458.2	315.6	-606.7
20	ok 1167	0.10	0.4	8.66e-02	10.1	10.1	7.7	7.7	-70.3	-112.6	-417.1	375.4	491.9	-1149.0
20	ok 1182	0.10	0.3	0.1	10.1	10.1	7.7	7.7	-721.7	-163.2	-411.3	-643.4	-427.7	-291.6
20	ok 1336	0.10	0.5	7.26e-02	10.1	10.1	7.7	7.7	-173.3	74.0	193.4	-586.8	-3858.6	-121.5
20	ok 1344	0.10	0.2	4.95e-02	10.1	10.1	7.7	7.7	-134.2	56.8	244.6	1057.0	690.6	786.3
20	ok 1352	0.10	0.3	5.14e-02	10.1	10.1	7.7	7.7	-162.7	61.0	-248.3	2195.3	1376.6	642.5
20	ok 1360	0.10	0.3	5.08e-02	10.1	10.1	7.7	7.7	-93.7	35.1	-265.4	2564.1	1463.7	224.5
20	ok 1368	0.10	0.3	4.96e-02	10.1	10.1	7.7	7.7	-43.1	1.1	-274.9	2332.9	1287.5	-197.0
20	ok 1376	0.10	0.4	5.77e-02	10.1	10.1	7.7	7.7	-32.3	-50.5	-307.3	1943.4	1082.8	-603.7
20	ok 1390	0.10	0.3	6.73e-02	10.1	10.1	7.7	7.7	-137.3	21.9	-355.5	1175.7	725.8	-862.1
20	ok 1405	0.10	0.5	8.84e-02	10.1	10.1	7.7	7.7	-233.3	61.7	-269.8	-439.6	-3258.1	133.7
20	ok 1559	0.10	0.7	5.36e-02	10.1	10.1	7.7	7.7	-206.8	60.1	228.2	-757.2	-4915.1	-129.7
20	ok 1567	0.10	0.1	5.86e-02	10.1	10.1	7.7	7.7	-211.2	35.7	-202.5	996.1	487.1	-200.5
20	ok 1575	0.10	0.2	5.83e-02	10.1	10.1	7.7	7.7	-154.0	-6.7	-276.4	1955.5	1382.0	71.0
20	ok 1583	0.10	0.3	5.45e-02	10.1	10.1	7.7	7.7	-104.2	-3.6	-273.4	2686.8	1708.9	77.5
20	ok 1591	0.10	0.3	5.02e-02	10.1	10.1	7.7	7.7	-52.7	-5.5	-278.0	2662.7	1645.5	-26.1
20	ok 1599	0.10	0.3	5.61e-02	10.1	10.1	7.7	7.7	-64.6	-7.8	-298.8	2062.7	1353.0	-143.5
20	ok 1613	0.10	0.1	5.90e-02	10.1	10.1	7.7	7.7	-121.0	21.1	-306.1	880.1	-100.0	-87.7
20	ok 1628	0.10	0.8	6.57e-02	10.2	10.1	7.9	7.7	-90.9	96.2	-252.3	-838.7	-4580.3	219.3

M_S	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
20	ok 1797	0.10	0.6	6.75e-02	10.1	10.1	7.7	7.7	-320.8	19.6	-125.1	-198.3	-2444.9	-38.2
20	ok 1808	0.10	0.1	7.62e-02	10.1	10.1	7.7	7.7	-346.0	-73.0	-184.2	-375.9	-613.3	209.5
20	ok 1819	0.10	0.2	6.21e-02	10.1	10.1	7.7	7.7	-134.7	-58.0	-290.2	1026.0	1049.9	-383.9
20	ok 1830	0.10	0.2	5.49e-02	10.1	10.1	7.7	7.7	-52.9	-46.9	-256.7	1468.5	1393.9	-154.7
20	ok 1841	0.10	0.2	4.89e-02	10.1	10.1	7.7	7.7	-62.2	-7.8	-270.2	1658.8	1371.8	144.8
20	ok 1852	0.10	0.2	5.37e-02	10.1	10.1	7.7	7.7	-70.2	24.9	-280.1	1159.7	1059.2	400.0
20	ok 1872	0.10	0.2	5.29e-02	10.1	10.1	7.7	7.7	-41.4	34.8	-287.4	-43.0	-590.6	506.5
20	ok 1890	0.10	0.8	6.00e-02	10.3	10.1	7.9	7.7	-71.0	51.9	-334.6	-947.6	-3573.9	210.9
20	ok 2090	0.10	0.3	0.2	10.1	10.1	7.7	7.7	-689.1	-59.1	-317.6	-2845.3	-1824.4	-480.2
20	ok 2099	0.10	0.2	8.43e-02	10.1	10.1	7.7	7.7	-172.4	-191.7	-260.6	-1072.6	-271.8	-891.8
20	ok 2106	0.10	0.1	6.14e-02	10.1	10.1	7.7	7.7	-50.1	-148.9	-222.3	-486.5	500.7	-759.3
20	ok 2113	0.10	0.1	4.81e-02	10.1	10.1	7.7	7.7	-71.3	-59.3	-236.0	-93.2	583.4	-282.1
20	ok 2120	0.10	0.1	4.44e-02	10.1	10.1	7.7	7.7	-76.7	-0.2	-237.1	103.9	661.1	196.9
20	ok 2127	0.10	0.1	4.61e-02	10.1	10.1	7.7	7.7	-88.7	-109.2	172.3	-268.9	520.5	678.8
20	ok 2139	0.10	0.2	5.84e-02	10.1	10.1	7.7	7.7	-210.7	-135.8	189.2	-738.0	-184.0	754.3
20	ok 2153	0.10	0.4	0.1	10.1	10.1	7.7	7.7	-544.0	-83.9	225.0	-2349.0	-1785.3	455.5
20	ok 2544	0.10	8.48e-02	0.2	10.1	10.1	7.7	7.7	-703.6	-526.6	-450.8	-1375.5	554.7	-747.7
20	ok 2568	0.10	0.3	7.68e-02	10.1	10.1	7.7	7.7	-105.2	-339.2	-227.0	-1546.8	-646.7	-1286.5
20	ok 2590	0.10	0.2	3.99e-02	10.1	10.1	7.7	7.7	-39.5	-114.0	-167.9	-1421.5	-335.3	-779.2
20	ok 2612	0.10	0.2	3.20e-02	10.1	10.1	7.7	7.7	-48.6	30.3	-175.2	-1455.2	-203.2	-367.9
20	ok 2634	0.10	0.2	3.57e-02	10.1	10.1	7.7	7.7	-84.4	37.6	-185.5	-1081.3	-133.4	134.8
20	ok 2656	0.10	0.2	4.14e-02	10.1	10.1	7.7	7.7	-89.3	69.1	-232.6	-223.0	-98.0	479.7
20	ok 2691	0.10	0.6	5.79e-02	10.1	10.1	7.7	7.7	-132.1	-251.4	158.3	-1360.7	-413.3	1141.0
20	ok 2713	0.11	0.3	0.1	10.4	10.6	8.1	8.2	-495.4	-323.8	289.2	-1288.1	71.3	561.9

M_S		x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									-1014.09	-526.58	-450.82	-5265.32	-4915.13	-1286.54
		0.11	0.76	0.19	10.44	11.27	8.08	8.52	282.02	120.37	298.87	2686.80	1708.88	1140.96

M_S	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
21	ok 840	0.12	0.9	0.4	10.1	16.7	7.7	11.4	-2472.7	-580.9	-673.8	-1.256e+04	-1243.4	45.8
21	ok 841	0.12	0.9	0.1	17.8	10.1	12.4	7.7	236.7	-22.2	-390.2	-1.100e+04	-2874.1	535.6
21	ok 842	0.11	0.9	8.86e-02	12.7	10.1	10.3	7.7	2.3	37.7	-311.8	-1.074e+04	-2334.8	-124.1
21	ok 843	0.11	0.9	8.20e-02	12.3	10.1	9.9	7.7	-440.2	-179.0	109.2	-6009.0	-1183.8	459.0
21	ok 844	0.11	0.9	7.64e-02	12.2	10.1	9.8	7.7	-412.8	-159.0	98.1	-6975.9	-1399.2	494.3
21	ok 845	0.11	0.9	6.94e-02	11.8	10.1	9.5	7.7	-376.9	-132.5	71.6	-7173.5	-1438.5	475.7
21	ok 846	0.11	0.8	6.00e-02	10.7	10.1	8.4	7.7	-336.1	-146.5	101.9	-6558.3	-1333.1	348.6
21	ok 847	0.10	0.7	5.87e-02	10.1	10.1	7.7	7.7	-141.1	-71.2	42.7	-6251.0	-1747.5	51.0
21	ok 848	0.10	0.3	0.2	10.1	10.1	7.7	7.7	-1068.5	-248.1	125.7	-7141.3	-845.8	-184.1
21	ok 1174	0.12	0.8	0.3	14.8	16.1	12.5	13.1	-1634.9	-304.8	-446.3	-1379.5	2110.4	31.6
21	ok 1175	0.10	0.5	0.2	10.1	10.1	7.7	7.7	-268.0	-341.8	-460.1	-4026.2	-1924.9	114.0
21	ok 1176	0.10	0.4	0.1	10.1	10.1	7.7	7.7	-94.5	-252.5	-405.0	-4294.5	-1560.0	-350.8
21	ok 1177	0.10	0.4	7.57e-02	10.1	10.1	7.7	7.7	-36.5	-101.3	-392.0	-3168.9	-699.9	-355.4
21	ok 1178	0.10	0.4	7.03e-02	10.1	10.1	7.7	7.7	-378.5	-64.8	132.2	-504.1	183.5	241.6
21	ok 1179	0.10	0.3	6.35e-02	10.1	10.1	7.7	7.7	-348.1	-82.2	105.4	-776.8	36.9	570.7
21	ok 1180	0.10	0.3	5.90e-02	10.1	10.1	7.7	7.7	-345.5	-122.7	83.2	-1027.9	-248.1	871.1
21	ok 1181	0.10	0.3	7.47e-02	10.1	10.1	7.7	7.7	-380.3	-144.0	171.9	-1107.6	-958.1	742.3
21	ok 1182	0.10	0.4	0.1	10.1	10.1	7.7	7.7	-716.1	-68.4	-145.9	-2200.2	-1087.9	99.5
21	ok 1397	0.11	0.8	0.2	11.3	10.1	8.9	7.7	-640.3	44.4	-259.6	-503.0	-1688.3	72.8
21	ok 1398	0.10	0.3	0.1	10.1	10.1	7.7	7.7	-433.6	-95.5	-488.6	432.6	-753.7	-1026.3
21	ok 1399	0.10	0.3	0.1	10.1	10.1	7.7	7.7	-171.6	-116.0	-504.0	769.6	-56.8	-770.1
21	ok 1400	0.10	0.3	8.79e-02	10.1	10.1	7.7	7.7	-381.1	10.3	176.3	2371.9	1233.3	-236.2
21	ok 1401	0.10	0.2	7.39e-02	10.1	10.1	7.7	7.7	-358.2	-4.1	135.9	2262.5	1143.8	52.8
21	ok 1402	0.10	0.2	6.52e-02	10.1	10.1	7.7	7.7	-338.0	-25.7	98.6	1849.3	893.6	353.3
21	ok 1403	0.10	0.2	5.74e-02	10.1	10.1	7.7	7.7	-176.6	-15.5	-215.2	2083.7	889.4	1042.0
21	ok 1404	0.10	0.2	6.26e-02	10.1	10.1	7.7	7.7	-293.0	37.6	-151.9	1119.0	417.5	1420.7
21	ok 1405	0.10	0.5	6.58e-02	10.1	10.1	7.7	7.7	-229.5	79.2	-230.4	-761.6	-3462.1	541.5
21	ok 1620	0.10	0.6	9.52e-02	10.1	10.1	7.7	7.7	-470.3	55.4	-293.2	-995.6	-4129.4	159.7
21	ok 1621	0.10	0.2	0.1	10.1	10.1	7.7	7.7	-361.3	19.8	-427.4	512.9	-675.7	-630.4
21	ok 1622	0.10	0.4	9.69e-02	10.1	10.1	7.7	7.7	-199.9	-7.3	-468.2	1275.5	540.0	-535.5
21	ok 1623	0.10	0.4	8.78e-02	10.1	10.1	7.7	7.7	-301.7	17.2	216.8	2320.7	1360.1	-136.9
21	ok 1624	0.10	0.4	7.76e-02	10.1	10.1	7.7	7.7	-298.3	7.7	165.8	2390.7	1382.6	-95.1
21	ok 1625	0.10	0.3	7.05e-02	10.1	10.1	7.7	7.7	-46.3	-14.3	-386.4	2132.3	1402.1	302.0
21	ok 1626	0.10	0.2	6.55e-02	10.1	10.1	7.7	7.7	-53.5	0.8	-382.8	1537.9	995.0	396.2
21	ok 1627	0.10	0.1	6.28e-02	10.1	10.1	7.7	7.7	-184.9	47.3	-249.8	1097.4	15.6	557.4
21	ok 1628	0.10	0.6	5.37e-02	10.1	10.1	7.7	7.7	-206.4	55.6	-200.5	-944.6	-4597.4	211.5
21	ok 1882	0.10	0.8	7.70e-02	10.2	10.1	7.8	7.7	-226.4	58.5	-337.0	-857.8	-4246.3	34.9
21	ok 1883	0.10	0.3	8.19e-02	10.1	10.1	7.7	7.7	-164.1	-7.5	354.8	813.5	935.4	954.0
21	ok 1884	0.10	0.2	8.43e-02	10.1	10.1	7.7	7.7	-166.5	60.4	-412.4	1321.8	829.0	219.3
21	ok 1885	0.10	0.4	8.03e-02	10.1	10.1	7.7	7.7	-96.3	52.9	-436.8	2054.2	1383.6	152.0
21	ok 1886	0.10	0.4	7.45e-02	10.1	10.1	7.7	7.7	-68.0	27.7	-430.2	2219.1	1405.1	120.2
21	ok 1887	0.10	0.4	7.24e-02	10.1	10.1	7.7	7.7	-55.8	30.9	-397.0	1985.3	1376.1	6.6

M_S	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
21	ok 1888	0.10	0.3	7.22e-02	10.1	10.1	7.7	7.7	-70.1	-22.9	-404.9	1359.6	913.1	-186.4
21	ok 1889	0.10	0.1	8.27e-02	10.1	10.1	7.7	7.7	-150.8	-50.0	-330.1	167.1	-449.7	-227.5
21	ok 1890	0.10	0.6	5.83e-02	10.1	10.1	7.7	7.7	-249.9	157.9	-79.9	112.3	108.2	89.1
21	ok 2145	0.11	0.8	0.1	11.1	10.1	8.7	7.7	-668.1	-379.6	333.2	-6.2	3346.4	-25.6
21	ok 2146	0.11	0.7	0.1	10.7	10.1	8.3	7.7	18.8	-372.3	358.2	-2064.8	-127.0	424.6
21	ok 2147	0.10	0.2	7.16e-02	10.1	10.1	7.7	7.7	-79.2	205.3	-355.8	1739.4	936.1	885.2
21	ok 2148	0.10	0.2	7.08e-02	10.1	10.1	7.7	7.7	-106.2	127.9	-391.3	1875.0	995.0	535.9
21	ok 2149	0.10	0.3	6.92e-02	10.1	10.1	7.7	7.7	-69.6	86.4	-388.3	1766.5	954.7	50.4
21	ok 2150	0.10	0.3	6.54e-02	10.1	10.1	7.7	7.7	-63.1	14.8	-371.0	1421.8	815.1	-441.4
21	ok 2151	0.10	0.4	6.78e-02	10.1	10.1	7.7	7.7	-53.4	-31.4	-364.4	922.8	520.4	-811.2
21	ok 2152	0.10	0.3	7.69e-02	10.1	10.1	7.7	7.7	-39.5	-312.0	-62.7	-1269.4	-399.0	-357.8
21	ok 2153	0.10	0.3	0.2	10.1	10.1	7.7	7.7	-592.7	-546.1	-63.7	-1607.0	-1541.8	233.8
21	ok 2705	0.12	0.9	0.2	10.9	14.7	8.5	12.3	-917.8	-352.1	452.5	-9786.9	-270.9	1686.5
21	ok 2706	0.11	0.8	7.47e-02	10.9	10.1	7.7	7.7	478.2	-29.1	28.6	-4054.7	-1274.6	278.9
21	ok 2707	0.10	0.3	5.61e-02	10.1	10.1	7.7	7.7	-99.8	239.3	-342.3	1898.4	428.3	734.7
21	ok 2708	0.10	0.2	6.28e-02	10.1	10.1	7.7	7.7	-108.9	196.4	-370.5	1715.6	471.3	299.0
21	ok 2709	0.10	0.2	6.00e-02	10.1	10.1	7.7	7.7	-84.0	88.0	-344.2	1355.4	373.5	-118.0
21	ok 2710	0.10	0.2	6.13e-02	10.1	10.1	7.7	7.7	-113.8	47.4	-321.6	957.7	229.4	-489.9
21	ok 2711	0.10	0.2	5.93e-02	10.1	10.1	7.7	7.7	-95.3	-31.6	-306.4	748.6	443.1	-712.4
21	ok 2712	0.10	0.2	6.40e-02	10.1	10.1	7.7	7.7	-95.3	-79.5	-309.1	846.3	335.3	-731.6
21	ok 2713	0.10	0.1	0.1	10.1	10.1	7.7	7.7	-380.8	-216.9	-354.3	-18.0	-780.5	-57.1
M_S		**x/d**	**verif.**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N z**	**N o**	**N zo**	**M z**	**M o**	**M zo**
									-2472.74	-580.90	-673.79	-1.256e+04	-4597.40	-1026.31
		0.12	0.90	0.41	17.78	16.69	12.46	13.14	478.22	239.26	452.49	2390.70	3346.38	1686.46

L’armatura delle pareti spesse 40 cm è costituita da una maglia base di 1+1ϕ16/20 vert. e 1+1ϕ14/20 oriz., a cui si aggiungono ferri alternati ove necessario.

3.11.2.4 STATI LIMITE D' ESERCIZIO

TABELLA STATI LIMITE D' ESERCIZIO

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
1019	0.13	0.35	0.0	87,87,0	0.0	0.0	0.0	0,0,0
1020	0.16	0.41	0.0	87,87,0	0.0	0.0	0.0	0,0,0
1021	0.19	0.46	0.0	87,87,0	0.0	0.0	0.0	0,0,0
1022	0.20	0.48	0.0	87,87,0	0.0	0.0	0.0	0,0,0
1023	0.20	0.49	0.0	87,87,0	0.0	0.0	0.0	0,0,0
1024	0.19	0.49	0.0	87,91,0	0.0	0.0	0.0	0,0,0
1025	0.15	0.43	0.0	87,91,0	0.0	0.0	0.0	0,0,0
1026	0.09	0.45	0.0	87,88,0	0.0	0.0	0.0	0,0,0
1027	0.15	0.32	0.0	87,87,0	0.0	0.0	0.0	0,0,0
1028	0.10	0.39	0.0	87,88,0	0.0	0.0	0.0	0,0,0
1035	0.20	0.36	0.0	87,87,0	0.0	0.0	0.0	0,0,0
1036	0.16	0.45	0.0	87,87,0	0.0	0.0	0.0	0,0,0
1043	0.22	0.42	0.0	87,87,0	0.0	0.0	0.0	0,0,0
1044	0.20	0.56	0.0	87,87,0	0.0	0.0	0.0	0,0,0
1051	0.23	0.44	0.0	87,87,0	0.0	0.0	0.0	0,0,0
1052	0.20	0.62	0.0	87,87,0	0.0	0.0	0.0	0,0,0
1059	0.22	0.42	0.0	87,87,0	0.0	0.0	0.0	0,0,0
1060	0.20	0.61	0.0	87,87,0	0.0	0.0	0.0	0,0,0
1073	0.20	0.39	0.0	87,87,0	0.0	0.0	0.0	0,0,0
1074	0.17	0.61	0.0	92,87,0	0.0	0.0	0.0	0,0,0
1081	0.17	0.38	0.0	87,87,0	0.0	0.0	0.0	0,0,0
1082	0.12	0.67	0.0	92,87,0	0.0	0.0	0.0	0,0,0
1083	0.18	0.35	0.0	87,87,0	0.0	0.0	0.0	0,0,0
1084	0.21	0.42	0.0	87,87,0	0.0	0.0	0.0	0,0,0
1085	0.24	0.48	0.0	87,87,0	0.0	0.0	0.0	0,0,0
1086	0.24	0.50	0.0	87,87,0	0.13	0.0	0.0	87,0,0
1087	0.25	0.51	0.0	87,87,0	0.13	0.0	0.0	87,0,0
1088	0.24	0.51	0.0	87,87,0	0.0	0.0	0.0	0,0,0
1089	0.21	0.50	0.0	87,91,0	0.0	0.0	0.0	0,0,0
1090	0.17	0.53	0.0	87,87,0	0.0	0.0	0.0	0,0,0
1237	0.08	0.36	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1238	0.06	0.32	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1239	0.06	0.32	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1240	0.06	0.32	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1241	0.06	0.30	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1242	0.06	0.27	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1243	0.05	0.23	0.0	96,88,0	0.0	0.0	0.0	0,0,0
1244	0.10	0.43	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1245	0.07	0.35	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1246	0.10	0.44	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1253	0.05	0.12	0.0	96,89,0	0.0	0.0	0.0	0,0,0
1254	0.07	0.17	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1261	0.05	0.08	0.0	96,94,0	0.0	0.0	0.0	0,0,0
1262	0.07	0.17	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1269	0.05	0.07	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1270	0.07	0.24	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1277	0.05	0.06	0.0	96,87,0	0.0	0.0	0.0	0,0,0
1278	0.07	0.30	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1291	0.04	0.08	0.0	96,87,0	0.0	0.0	0.0	0,0,0
1292	0.06	0.33	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1299	0.06	0.27	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1300	0.08	0.43	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1301	0.07	0.24	0.0	91,96,0	0.0	0.0	0.0	0,0,0
1302	0.06	0.20	0.0	91,91,0	0.0	0.0	0.0	0,0,0
1303	0.05	0.21	0.0	87,91,0	0.0	0.0	0.0	0,0,0
1304	0.06	0.21	0.0	87,91,0	0.0	0.0	0.0	0,0,0
1305	0.06	0.24	0.0	87,91,0	0.0	0.0	0.0	0,0,0
1306	0.06	0.23	0.0	87,91,0	0.0	0.0	0.0	0,0,0
1307	0.05	0.21	0.0	87,91,0	0.0	0.0	0.0	0,0,0
1308	0.08	0.42	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1455	0.09	0.40	0.0	92,96,0	0.0	0.0	0.0	0,0,0
1456	0.05	0.32	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1457	0.06	0.33	0.0	92,91,0	0.0	0.0	0.0	0,0,0
1458	0.06	0.34	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1459	0.06	0.33	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1460	0.06	0.32	0.0	87,91,0	0.0	0.0	0.0	0,0,0
1461	0.05	0.28	0.0	96,91,0	0.0	0.0	0.0	0,0,0

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
1462	0.11	0.48	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1463	0.09	0.40	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1464	0.11	0.46	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1471	0.05	0.12	0.0	96,89,0	0.0	0.0	0.0	0,0,0
1472	0.06	0.17	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1479	0.05	0.12	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1480	0.07	0.18	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1487	0.05	0.12	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1488	0.07	0.25	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1495	0.05	0.10	0.0	96,87,0	0.0	0.0	0.0	0,0,0
1496	0.07	0.31	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1509	0.05	0.11	0.0	96,87,0	0.0	0.0	0.0	0,0,0
1510	0.06	0.33	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1517	0.08	0.33	0.0	96,92,0	0.0	0.0	0.0	0,0,0
1518	0.10	0.49	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1519	0.08	0.33	0.0	92,96,0	0.0	0.0	0.0	0,0,0
1520	0.05	0.20	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1521	0.05	0.26	0.0	87,91,0	0.0	0.0	0.0	0,0,0
1522	0.06	0.28	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1523	0.05	0.28	0.0	87,91,0	0.0	0.0	0.0	0,0,0
1524	0.05	0.27	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1525	0.05	0.24	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1526	0.11	0.48	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1673	0.09	0.40	0.0	92,96,0	0.0	0.0	0.0	0,0,0
1674	0.05	0.28	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1675	0.06	0.33	0.0	92,91,0	0.0	0.0	0.0	0,0,0
1676	0.06	0.35	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1677	0.06	0.34	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1678	0.06	0.33	0.0	87,91,0	0.0	0.0	0.0	0,0,0
1679	0.05	0.30	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1680	0.11	0.51	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1681	0.09	0.43	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1682	0.11	0.46	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1689	0.04	0.12	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1690	0.05	0.14	0.0	92,92,0	0.0	0.0	0.0	0,0,0
1697	0.05	0.13	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1698	0.07	0.19	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1705	0.05	0.14	0.0	87,96,0	0.0	0.0	0.0	0,0,0
1706	0.07	0.24	0.0	96,87,0	0.0	0.0	0.0	0,0,0
1713	0.05	0.12	0.0	87,96,0	0.0	0.0	0.0	0,0,0
1714	0.07	0.26	0.0	96,87,0	0.0	0.0	0.0	0,0,0
1727	0.04	0.11	0.0	96,87,0	0.0	0.0	0.0	0,0,0
1728	0.06	0.28	0.0	92,87,0	0.0	0.0	0.0	0,0,0
1735	0.08	0.35	0.0	96,92,0	0.0	0.0	0.0	0,0,0
1736	0.10	0.48	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1737	0.08	0.35	0.0	92,92,0	0.0	0.0	0.0	0,0,0
1738	0.05	0.20	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1739	0.05	0.26	0.0	91,91,0	0.0	0.0	0.0	0,0,0
1740	0.06	0.29	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1741	0.06	0.29	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1742	0.05	0.28	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1743	0.05	0.27	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1744	0.10	0.53	0.0	96,96,0	0.0	0.0	0.0	0,0,0
1976	0.06	0.26	0.0	92,92,0	0.0	0.0	0.0	0,0,0
1977	0.04	0.24	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1978	0.05	0.27	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1979	0.05	0.30	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1980	0.04	0.30	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1981	0.04	0.29	0.0	92,91,0	0.0	0.0	0.0	0,0,0
1982	0.06	0.27	0.0	96,91,0	0.0	0.0	0.0	0,0,0
1983	0.13	0.58	0.0	95,96,0	0.0	0.0	0.0	0,0,0
1984	0.07	0.30	0.0	92,87,0	0.0	0.0	0.0	0,0,0
1985	0.11	0.37	0.0	95,96,0	0.0	0.0	0.0	0,0,0
1989	0.06	0.16	0.0	89,90,0	0.0	0.0	0.0	0,0,0
1990	0.04	0.13	0.0	95,92,0	0.0	0.0	0.0	0,0,0
1994	0.06	0.16	0.0	89,90,0	0.0	0.0	0.0	0,0,0
1995	0.05	0.15	0.0	92,92,0	0.0	0.0	0.0	0,0,0
1999	0.06	0.15	0.0	89,89,0	0.0	0.0	0.0	0,0,0
2000	0.05	0.17	0.0	92,87,0	0.0	0.0	0.0	0,0,0
2004	0.06	0.14	0.0	89,89,0	0.0	0.0	0.0	0,0,0
2005	0.05	0.19	0.0	92,87,0	0.0	0.0	0.0	0,0,0
2012	0.05	0.15	0.0	89,91,0	0.0	0.0	0.0	0,0,0
2013	0.04	0.22	0.0	92,87,0	0.0	0.0	0.0	0,0,0
2017	0.06	0.24	0.0	92,92,0	0.0	0.0	0.0	0,0,0

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
2018	0.09	0.41	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2019	0.06	0.24	0.0	92,92,0	0.0	0.0	0.0	0,0,0
2020	0.04	0.22	0.0	96,91,0	0.0	0.0	0.0	0,0,0
2021	0.04	0.25	0.0	96,91,0	0.0	0.0	0.0	0,0,0
2022	0.04	0.29	0.0	96,91,0	0.0	0.0	0.0	0,0,0
2023	0.04	0.30	0.0	96,91,0	0.0	0.0	0.0	0,0,0
2024	0.04	0.29	0.0	96,91,0	0.0	0.0	0.0	0,0,0
2025	0.05	0.28	0.0	96,91,0	0.0	0.0	0.0	0,0,0
2026	0.10	0.54	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2232	0.19	0.57	0.0	94,95,0	0.0	0.0	0.0	0,0,0
2233	0.11	0.40	0.0	94,93,0	0.0	0.0	0.0	0,0,0
2234	0.06	0.31	0.0	94,91,0	0.0	0.0	0.0	0,0,0
2235	0.03	0.26	0.0	91,91,0	0.0	0.0	0.0	0,0,0
2236	0.03	0.21	0.0	96,91,0	0.0	0.0	0.0	0,0,0
2237	0.03	0.19	0.0	96,91,0	0.0	0.0	0.0	0,0,0
2238	0.05	0.16	0.0	96,91,0	0.0	0.0	0.0	0,0,0
2239	0.10	0.47	0.0	95,90,0	0.0	0.0	0.0	0,0,0
2242	0.22	0.42	0.0	94,94,0	0.0	0.0	0.0	0,0,0
2243	0.10	0.24	0.0	95,96,0	0.0	0.0	0.0	0,0,0
2249	0.14	0.27	0.0	94,91,0	0.0	0.0	0.0	0,0,0
2250	0.06	0.13	0.0	91,91,0	0.0	0.0	0.0	0,0,0
2256	0.10	0.27	0.0	89,91,0	0.0	0.0	0.0	0,0,0
2257	0.06	0.11	0.0	91,91,0	0.0	0.0	0.0	0,0,0
2263	0.09	0.29	0.0	89,91,0	0.0	0.0	0.0	0,0,0
2264	0.06	0.17	0.0	91,91,0	0.0	0.0	0.0	0,0,0
2270	0.10	0.30	0.0	89,91,0	0.0	0.0	0.0	0,0,0
2271	0.06	0.22	0.0	91,91,0	0.0	0.0	0.0	0,0,0
2282	0.14	0.32	0.0	94,91,0	0.0	0.0	0.0	0,0,0
2283	0.06	0.24	0.0	91,91,0	0.0	0.0	0.0	0,0,0
2289	0.22	0.43	0.0	94,94,0	0.0	0.0	0.0	0,0,0
2290	0.07	0.30	0.0	96,87,0	0.0	0.0	0.0	0,0,0
2291	0.17	0.64	0.0	94,93,0	0.0	0.0	0.0	0,0,0
2292	0.10	0.43	0.0	94,93,0	0.0	0.0	0.0	0,0,0
2293	0.04	0.36	0.0	94,91,0	0.0	0.0	0.0	0,0,0
2294	0.03	0.30	0.0	93,91,0	0.0	0.0	0.0	0,0,0
2295	0.03	0.26	0.0	96,91,0	0.0	0.0	0.0	0,0,0
2296	0.03	0.25	0.0	96,91,0	0.0	0.0	0.0	0,0,0
2297	0.05	0.23	0.0	96,91,0	0.0	0.0	0.0	0,0,0
2298	0.08	0.36	0.0	91,90,0	0.0	0.0	0.0	0,0,0
	rRfck	**rRfyk**	**rPfck**		**wR**	**wF**	**wP**	
	0.25	0.67	0.0		0.13	0.0	0.0	

3.11.3 SOLETTA SEDIMENTATORI

La soletta ha spessore 30 cm ed è sostenuta dalle pareti della vasca fanghi e da quattro setti disposti nei pressi delle pareti lunghe del fabbricato.

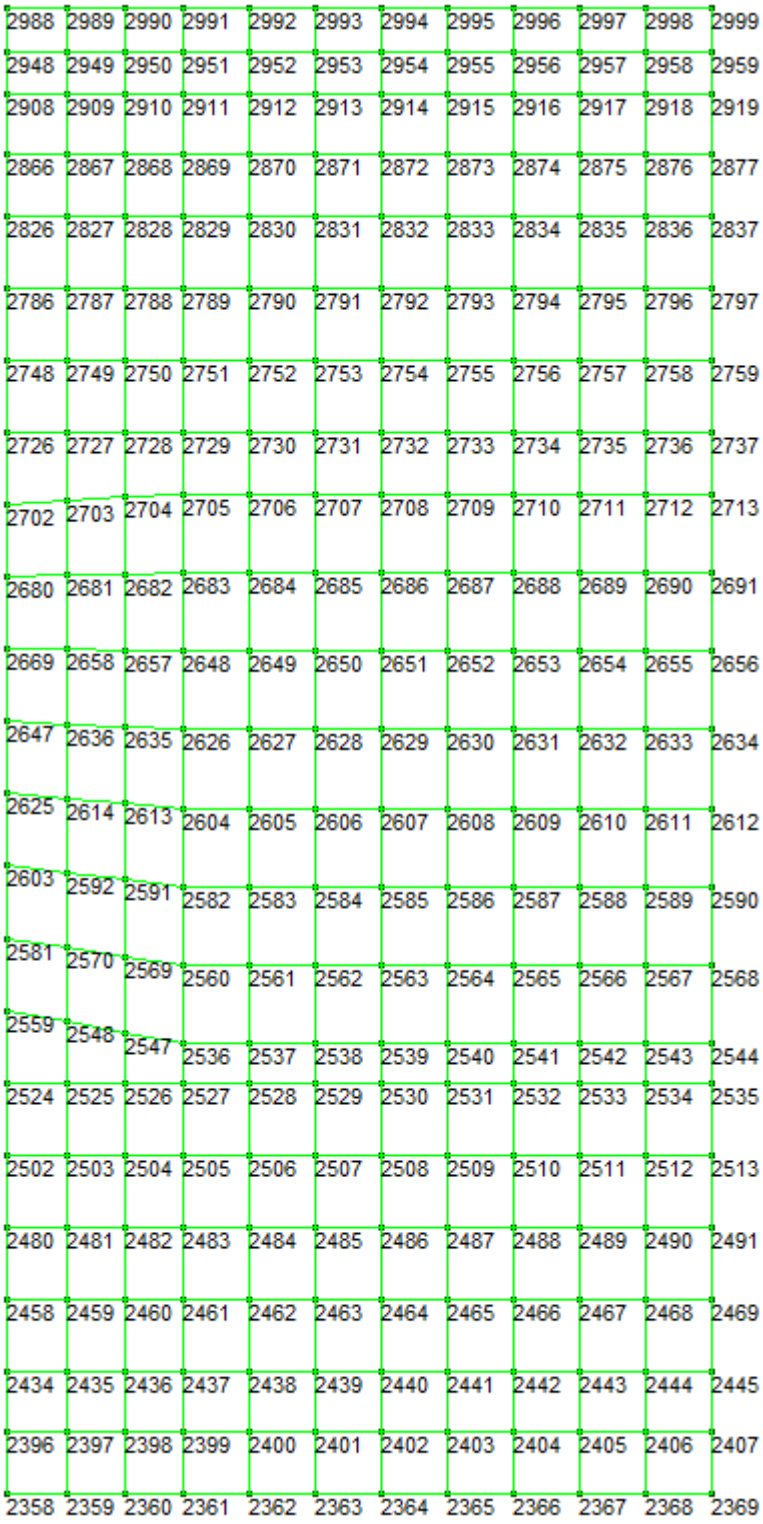
3.11.3.1 MODELLAZIONE STRUTTURA: NODI

TABELLA DATI NODI

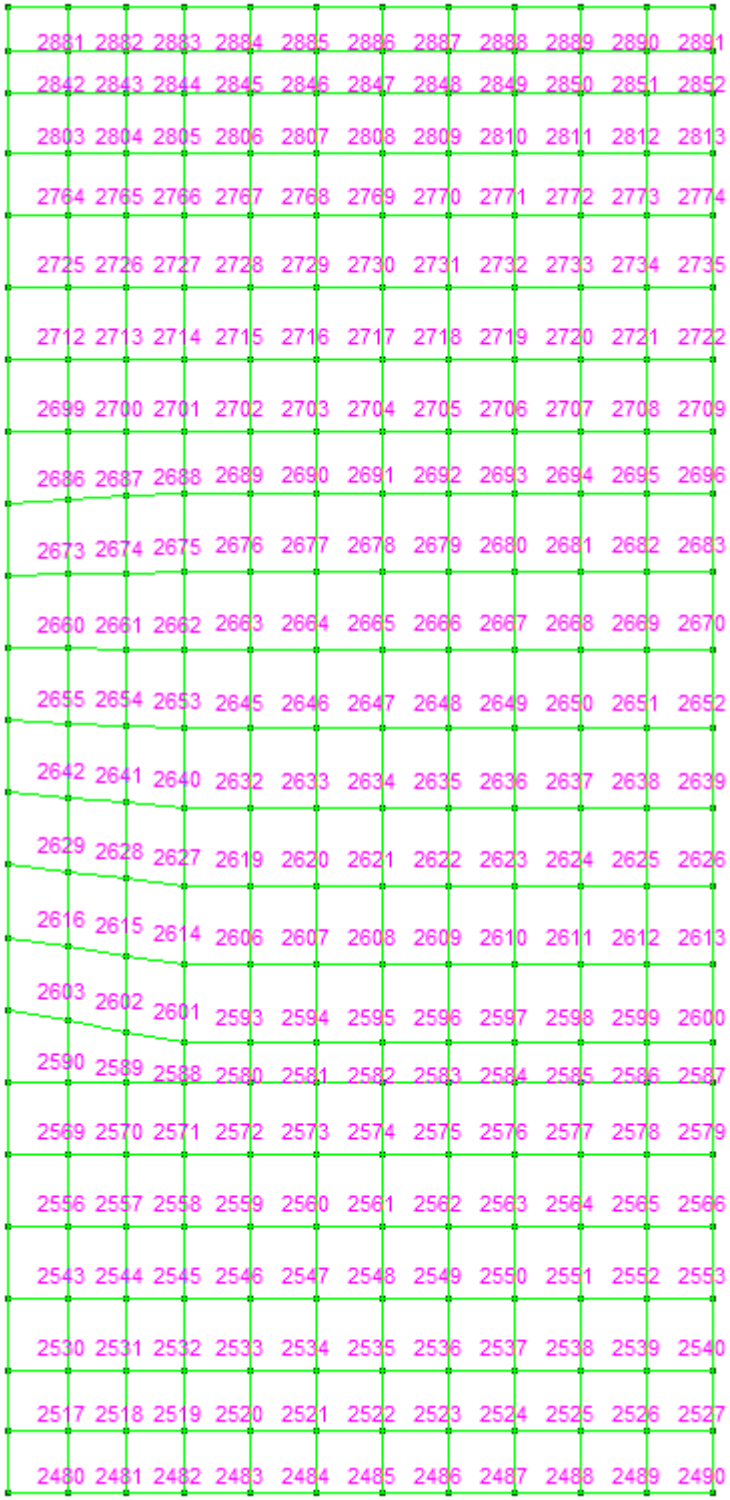
Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
2358	3584.0	90.0	760.0	2359	3665.7	90.0	760.0	2360	3747.3	90.0	760.0
2361	3829.0	90.0	760.0	2362	3921.5	90.0	760.0	2363	4014.0	90.0	760.0
2364	4106.5	90.0	760.0	2365	4199.0	90.0	760.0	2366	4291.5	90.0	760.0
2367	4384.0	90.0	760.0	2368	4476.5	90.0	760.0	2369	4569.0	90.0	760.0
2396	3584.0	175.0	760.0	2397	3665.7	175.0	760.0	2398	3747.3	175.0	760.0
2399	3829.0	175.0	760.0	2400	3921.5	175.0	760.0	2401	4014.0	175.0	760.0
2402	4106.5	175.0	760.0	2403	4199.0	175.0	760.0	2404	4291.5	175.0	760.0
2405	4384.0	175.0	760.0	2406	4476.5	175.0	760.0	2407	4569.0	175.0	760.0
2434	3584.0	260.0	760.0	2435	3665.7	260.0	760.0	2436	3747.3	260.0	760.0
2437	3829.0	260.0	760.0	2438	3921.5	260.0	760.0	2439	4014.0	260.0	760.0
2440	4106.5	260.0	760.0	2441	4199.0	260.0	760.0	2442	4291.5	260.0	760.0
2443	4384.0	260.0	760.0	2444	4476.5	260.0	760.0	2445	4569.0	260.0	760.0
2458	3584.0	361.3	760.0	2459	3665.7	361.3	760.0	2460	3747.3	361.3	760.0
2461	3829.0	361.3	760.0	2462	3921.5	361.3	760.0	2463	4014.0	361.3	760.0
2464	4106.5	361.3	760.0	2465	4199.0	361.3	760.0	2466	4291.5	361.3	760.0
2467	4384.0	361.3	760.0	2468	4476.5	361.3	760.0	2469	4569.0	361.3	760.0
2480	3584.0	462.5	760.0	2481	3665.7	462.5	760.0	2482	3747.3	462.5	760.0
2483	3829.0	462.5	760.0	2484	3921.5	462.5	760.0	2485	4014.0	462.5	760.0
2486	4106.5	462.5	760.0	2487	4199.0	462.5	760.0	2488	4291.5	462.5	760.0
2489	4384.0	462.5	760.0	2490	4476.5	462.5	760.0	2491	4569.0	462.5	760.0
2502	3584.0	563.8	760.0	2503	3665.7	563.8	760.0	2504	3747.3	563.8	760.0
2505	3829.0	563.8	760.0	2506	3921.5	563.8	760.0	2507	4014.0	563.8	760.0
2508	4106.5	563.8	760.0	2509	4199.0	563.8	760.0	2510	4291.5	563.8	760.0
2511	4384.0	563.8	760.0	2512	4476.5	563.8	760.0	2513	4569.0	563.8	760.0
2524	3584.0	665.0	760.0	2525	3665.7	665.0	760.0	2526	3747.3	665.0	760.0
2527	3829.0	665.0	760.0	2528	3921.5	665.0	760.0	2529	4014.0	665.0	760.0
2530	4106.5	665.0	760.0	2531	4199.0	665.0	760.0	2532	4291.5	665.0	760.0
2533	4384.0	665.0	760.0	2534	4476.5	665.0	760.0	2535	4569.0	665.0	760.0
2536	3829.0	720.0	760.0	2537	3921.5	720.0	760.0	2538	4014.0	720.0	760.0
2539	4106.5	720.0	760.0	2540	4199.0	720.0	760.0	2541	4291.5	720.0	760.0
2542	4384.0	720.0	760.0	2543	4476.5	720.0	760.0	2544	4569.0	720.0	760.0
2547	3747.3	735.4	760.0	2548	3665.7	750.8	760.0	2559	3584.0	766.3	760.0
2560	3829.0	830.0	760.0	2561	3921.5	830.0	760.0	2562	4014.0	830.0	760.0
2563	4106.5	830.0	760.0	2564	4199.0	830.0	760.0	2565	4291.5	830.0	760.0
2566	4384.0	830.0	760.0	2567	4476.5	830.0	760.0	2568	4569.0	830.0	760.0
2569	3747.3	842.5	760.0	2570	3665.7	855.0	760.0	2581	3584.0	867.5	760.0
2582	3829.0	940.0	760.0	2583	3921.5	940.0	760.0	2584	4014.0	940.0	760.0
2585	4106.5	940.0	760.0	2586	4199.0	940.0	760.0	2587	4291.5	940.0	760.0
2588	4384.0	940.0	760.0	2589	4476.5	940.0	760.0	2590	4569.0	940.0	760.0
2591	3747.3	949.6	760.0	2592	3665.7	959.2	760.0	2603	3584.0	968.8	760.0
2604	3829.0	1050.0	760.0	2605	3921.5	1050.0	760.0	2606	4014.0	1050.0	760.0
2607	4106.5	1050.0	760.0	2608	4199.0	1050.0	760.0	2609	4291.5	1050.0	760.0
2610	4384.0	1050.0	760.0	2611	4476.5	1050.0	760.0	2612	4569.0	1050.0	760.0
2613	3747.3	1056.7	760.0	2614	3665.7	1063.3	760.0	2625	3584.0	1070.0	760.0
2626	3829.0	1160.0	760.0	2627	3921.5	1160.0	760.0	2628	4014.0	1160.0	760.0
2629	4106.5	1160.0	760.0	2630	4199.0	1160.0	760.0	2631	4291.5	1160.0	760.0
2632	4384.0	1160.0	760.0	2633	4476.5	1160.0	760.0	2634	4569.0	1160.0	760.0
2635	3747.3	1163.8	760.0	2636	3665.7	1167.5	760.0	2647	3584.0	1171.3	760.0
2648	3829.0	1270.0	760.0	2649	3921.5	1270.0	760.0	2650	4014.0	1270.0	760.0
2651	4106.5	1270.0	760.0	2652	4199.0	1270.0	760.0	2653	4291.5	1270.0	760.0
2654	4384.0	1270.0	760.0	2655	4476.5	1270.0	760.0	2656	4569.0	1270.0	760.0
2657	3747.3	1270.8	760.0	2658	3665.7	1271.7	760.0	2669	3584.0	1272.5	760.0
2680	3584.0	1373.8	760.0	2681	3665.7	1375.8	760.0	2682	3747.3	1377.9	760.0
2683	3829.0	1380.0	760.0	2684	3921.5	1380.0	760.0	2685	4014.0	1380.0	760.0
2686	4106.5	1380.0	760.0	2687	4199.0	1380.0	760.0	2688	4291.5	1380.0	760.0
2689	4384.0	1380.0	760.0	2690	4476.5	1380.0	760.0	2691	4569.0	1380.0	760.0
2702	3584.0	1475.0	760.0	2703	3665.7	1480.0	760.0	2704	3747.3	1485.0	760.0

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
2705	3829.0	1490.0	760.0	2706	3921.5	1490.0	760.0	2707	4014.0	1490.0	760.0
2708	4106.5	1490.0	760.0	2709	4199.0	1490.0	760.0	2710	4291.5	1490.0	760.0
2711	4384.0	1490.0	760.0	2712	4476.5	1490.0	760.0	2713	4569.0	1490.0	760.0
2726	3584.0	1576.3	760.0	2727	3665.7	1576.3	760.0	2728	3747.3	1576.3	760.0
2729	3829.0	1576.3	760.0	2730	3921.5	1576.3	760.0	2731	4014.0	1576.3	760.0
2732	4106.5	1576.3	760.0	2733	4199.0	1576.3	760.0	2734	4291.5	1576.3	760.0
2735	4384.0	1576.3	760.0	2736	4476.5	1576.3	760.0	2737	4569.0	1576.3	760.0
2748	3584.0	1677.5	760.0	2749	3665.7	1677.5	760.0	2750	3747.3	1677.5	760.0
2751	3829.0	1677.5	760.0	2752	3921.5	1677.5	760.0	2753	4014.0	1677.5	760.0
2754	4106.5	1677.5	760.0	2755	4199.0	1677.5	760.0	2756	4291.5	1677.5	760.0
2757	4384.0	1677.5	760.0	2758	4476.5	1677.5	760.0	2759	4569.0	1677.5	760.0
2786	3584.0	1778.8	760.0	2787	3665.7	1778.8	760.0	2788	3747.3	1778.8	760.0
2789	3829.0	1778.8	760.0	2790	3921.5	1778.8	760.0	2791	4014.0	1778.8	760.0
2792	4106.5	1778.8	760.0	2793	4199.0	1778.8	760.0	2794	4291.5	1778.8	760.0
2795	4384.0	1778.8	760.0	2796	4476.5	1778.8	760.0	2797	4569.0	1778.8	760.0
2826	3584.0	1880.0	760.0	2827	3665.7	1880.0	760.0	2828	3747.3	1880.0	760.0
2829	3829.0	1880.0	760.0	2830	3921.5	1880.0	760.0	2831	4014.0	1880.0	760.0
2832	4106.5	1880.0	760.0	2833	4199.0	1880.0	760.0	2834	4291.5	1880.0	760.0
2835	4384.0	1880.0	760.0	2836	4476.5	1880.0	760.0	2837	4569.0	1880.0	760.0
2866	3584.0	1965.0	760.0	2867	3665.7	1965.0	760.0	2868	3747.3	1965.0	760.0
2869	3829.0	1965.0	760.0	2870	3921.5	1965.0	760.0	2871	4014.0	1965.0	760.0
2872	4106.5	1965.0	760.0	2873	4199.0	1965.0	760.0	2874	4291.5	1965.0	760.0
2875	4384.0	1965.0	760.0	2876	4476.5	1965.0	760.0	2877	4569.0	1965.0	760.0
2908	3584.0	2050.0	760.0	2909	3665.7	2050.0	760.0	2910	3747.3	2050.0	760.0
2911	3829.0	2050.0	760.0	2912	3921.5	2050.0	760.0	2913	4014.0	2050.0	760.0
2914	4106.5	2050.0	760.0	2915	4199.0	2050.0	760.0	2916	4291.5	2050.0	760.0
2917	4384.0	2050.0	760.0	2918	4476.5	2050.0	760.0	2919	4569.0	2050.0	760.0
2948	3584.0	2110.0	760.0	2949	3665.7	2110.0	760.0	2950	3747.3	2110.0	760.0
2951	3829.0	2110.0	760.0	2952	3921.5	2110.0	760.0	2953	4014.0	2110.0	760.0
2954	4106.5	2110.0	760.0	2955	4199.0	2110.0	760.0	2956	4291.5	2110.0	760.0
2957	4384.0	2110.0	760.0	2958	4476.5	2110.0	760.0	2959	4569.0	2110.0	760.0
2988	3584.0	2170.0	760.0	2989	3665.7	2170.0	760.0	2990	3747.3	2170.0	760.0
2991	3829.0	2170.0	760.0	2992	3921.5	2170.0	760.0	2993	4014.0	2170.0	760.0
2994	4106.5	2170.0	760.0	2995	4199.0	2170.0	760.0	2996	4291.5	2170.0	760.0
2997	4384.0	2170.0	760.0	2998	4476.5	2170.0	760.0	2999	4569.0	2170.0	760.0

Numerazione nodi



Numerazione elementi shell



3.11.3.2 MODELLAZIONE STRUTTURA: ELEMENTI SHELL

TABELLA DATI SHELL

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
2480	Guscio	2358	2359	2397	2396	4	30.0		
2481	Guscio	2359	2360	2398	2397	4	30.0		
2482	Guscio	2360	2361	2399	2398	4	30.0		
2483	Guscio	2361	2362	2400	2399	4	30.0		
2484	Guscio	2362	2363	2401	2400	4	30.0		
2485	Guscio	2363	2364	2402	2401	4	30.0		
2486	Guscio	2364	2365	2403	2402	4	30.0		
2487	Guscio	2365	2366	2404	2403	4	30.0		
2488	Guscio	2366	2367	2405	2404	4	30.0		
2489	Guscio	2367	2368	2406	2405	4	30.0		
2490	Guscio	2368	2369	2407	2406	4	30.0		
2517	Guscio	2396	2397	2435	2434	4	30.0		
2518	Guscio	2397	2398	2436	2435	4	30.0		
2519	Guscio	2398	2399	2437	2436	4	30.0		
2520	Guscio	2399	2400	2438	2437	4	30.0		
2521	Guscio	2400	2401	2439	2438	4	30.0		
2522	Guscio	2401	2402	2440	2439	4	30.0		
2523	Guscio	2402	2403	2441	2440	4	30.0		
2524	Guscio	2403	2404	2442	2441	4	30.0		
2525	Guscio	2404	2405	2443	2442	4	30.0		
2526	Guscio	2405	2406	2444	2443	4	30.0		
2527	Guscio	2406	2407	2445	2444	4	30.0		
2530	Guscio	2434	2435	2459	2458	4	30.0		
2531	Guscio	2435	2436	2460	2459	4	30.0		
2532	Guscio	2436	2437	2461	2460	4	30.0		
2533	Guscio	2437	2438	2462	2461	4	30.0		
2534	Guscio	2438	2439	2463	2462	4	30.0		
2535	Guscio	2439	2440	2464	2463	4	30.0		
2536	Guscio	2440	2441	2465	2464	4	30.0		
2537	Guscio	2441	2442	2466	2465	4	30.0		
2538	Guscio	2442	2443	2467	2466	4	30.0		
2539	Guscio	2443	2444	2468	2467	4	30.0		
2540	Guscio	2444	2445	2469	2468	4	30.0		
2543	Guscio	2458	2459	2481	2480	4	30.0		
2544	Guscio	2459	2460	2482	2481	4	30.0		
2545	Guscio	2460	2461	2483	2482	4	30.0		
2546	Guscio	2461	2462	2484	2483	4	30.0		
2547	Guscio	2462	2463	2485	2484	4	30.0		
2548	Guscio	2463	2464	2486	2485	4	30.0		
2549	Guscio	2464	2465	2487	2486	4	30.0		
2550	Guscio	2465	2466	2488	2487	4	30.0		
2551	Guscio	2466	2467	2489	2488	4	30.0		
2552	Guscio	2467	2468	2490	2489	4	30.0		
2553	Guscio	2468	2469	2491	2490	4	30.0		
2556	Guscio	2480	2481	2503	2502	4	30.0		
2557	Guscio	2481	2482	2504	2503	4	30.0		
2558	Guscio	2482	2483	2505	2504	4	30.0		
2559	Guscio	2483	2484	2506	2505	4	30.0		
2560	Guscio	2484	2485	2507	2506	4	30.0		
2561	Guscio	2485	2486	2508	2507	4	30.0		
2562	Guscio	2486	2487	2509	2508	4	30.0		
2563	Guscio	2487	2488	2510	2509	4	30.0		
2564	Guscio	2488	2489	2511	2510	4	30.0		
2565	Guscio	2489	2490	2512	2511	4	30.0		
2566	Guscio	2490	2491	2513	2512	4	30.0		
2569	Guscio	2502	2503	2525	2524	4	30.0		
2570	Guscio	2503	2504	2526	2525	4	30.0		
2571	Guscio	2504	2505	2527	2526	4	30.0		
2572	Guscio	2505	2506	2528	2527	4	30.0		
2573	Guscio	2506	2507	2529	2528	4	30.0		
2574	Guscio	2507	2508	2530	2529	4	30.0		
2575	Guscio	2508	2509	2531	2530	4	30.0		
2576	Guscio	2509	2510	2532	2531	4	30.0		
2577	Guscio	2510	2511	2533	2532	4	30.0		
2578	Guscio	2511	2512	2534	2533	4	30.0		
2579	Guscio	2512	2513	2535	2534	4	30.0		
2580	Guscio	2527	2528	2537	2536	4	30.0		
2581	Guscio	2528	2529	2538	2537	4	30.0		

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
2582	Guscio	2529	2530	2539	2538	4	30.0		
2583	Guscio	2530	2531	2540	2539	4	30.0		
2584	Guscio	2531	2532	2541	2540	4	30.0		
2585	Guscio	2532	2533	2542	2541	4	30.0		
2586	Guscio	2533	2534	2543	2542	4	30.0		
2587	Guscio	2534	2535	2544	2543	4	30.0		
2588	Guscio	2526	2527	2536	2547	4	30.0		
2589	Guscio	2525	2526	2547	2548	4	30.0		
2590	Guscio	2524	2525	2548	2559	4	30.0		
2593	Guscio	2536	2537	2561	2560	4	30.0		
2594	Guscio	2537	2538	2562	2561	4	30.0		
2595	Guscio	2538	2539	2563	2562	4	30.0		
2596	Guscio	2539	2540	2564	2563	4	30.0		
2597	Guscio	2540	2541	2565	2564	4	30.0		
2598	Guscio	2541	2542	2566	2565	4	30.0		
2599	Guscio	2542	2543	2567	2566	4	30.0		
2600	Guscio	2543	2544	2568	2567	4	30.0		
2601	Guscio	2547	2536	2560	2569	4	30.0		
2602	Guscio	2548	2547	2569	2570	4	30.0		
2603	Guscio	2559	2548	2570	2581	4	30.0		
2606	Guscio	2560	2561	2583	2582	4	30.0		
2607	Guscio	2561	2562	2584	2583	4	30.0		
2608	Guscio	2562	2563	2585	2584	4	30.0		
2609	Guscio	2563	2564	2586	2585	4	30.0		
2610	Guscio	2564	2565	2587	2586	4	30.0		
2611	Guscio	2565	2566	2588	2587	4	30.0		
2612	Guscio	2566	2567	2589	2588	4	30.0		
2613	Guscio	2567	2568	2590	2589	4	30.0		
2614	Guscio	2569	2560	2582	2591	4	30.0		
2615	Guscio	2570	2569	2591	2592	4	30.0		
2616	Guscio	2581	2570	2592	2603	4	30.0		
2619	Guscio	2582	2583	2605	2604	4	30.0		
2620	Guscio	2583	2584	2606	2605	4	30.0		
2621	Guscio	2584	2585	2607	2606	4	30.0		
2622	Guscio	2585	2586	2608	2607	4	30.0		
2623	Guscio	2586	2587	2609	2608	4	30.0		
2624	Guscio	2587	2588	2610	2609	4	30.0		
2625	Guscio	2588	2589	2611	2610	4	30.0		
2626	Guscio	2589	2590	2612	2611	4	30.0		
2627	Guscio	2591	2582	2604	2613	4	30.0		
2628	Guscio	2592	2591	2613	2614	4	30.0		
2629	Guscio	2603	2592	2614	2625	4	30.0		
2632	Guscio	2604	2605	2627	2626	4	30.0		
2633	Guscio	2605	2606	2628	2627	4	30.0		
2634	Guscio	2606	2607	2629	2628	4	30.0		
2635	Guscio	2607	2608	2630	2629	4	30.0		
2636	Guscio	2608	2609	2631	2630	4	30.0		
2637	Guscio	2609	2610	2632	2631	4	30.0		
2638	Guscio	2610	2611	2633	2632	4	30.0		
2639	Guscio	2611	2612	2634	2633	4	30.0		
2640	Guscio	2613	2604	2626	2635	4	30.0		
2641	Guscio	2614	2613	2635	2636	4	30.0		
2642	Guscio	2625	2614	2636	2647	4	30.0		
2645	Guscio	2626	2627	2649	2648	4	30.0		
2646	Guscio	2627	2628	2650	2649	4	30.0		
2647	Guscio	2628	2629	2651	2650	4	30.0		
2648	Guscio	2629	2630	2652	2651	4	30.0		
2649	Guscio	2630	2631	2653	2652	4	30.0		
2650	Guscio	2631	2632	2654	2653	4	30.0		
2651	Guscio	2632	2633	2655	2654	4	30.0		
2652	Guscio	2633	2634	2656	2655	4	30.0		
2653	Guscio	2635	2626	2648	2657	4	30.0		
2654	Guscio	2636	2635	2657	2658	4	30.0		
2655	Guscio	2647	2636	2658	2669	4	30.0		
2660	Guscio	2669	2658	2681	2680	4	30.0		
2661	Guscio	2658	2657	2682	2681	4	30.0		
2662	Guscio	2657	2648	2683	2682	4	30.0		
2663	Guscio	2648	2649	2684	2683	4	30.0		
2664	Guscio	2649	2650	2685	2684	4	30.0		
2665	Guscio	2650	2651	2686	2685	4	30.0		
2666	Guscio	2651	2652	2687	2686	4	30.0		
2667	Guscio	2652	2653	2688	2687	4	30.0		
2668	Guscio	2653	2654	2689	2688	4	30.0		
2669	Guscio	2654	2655	2690	2689	4	30.0		

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
2670	Guscio	2655	2656	2691	2690	4	30.0		
2673	Guscio	2680	2681	2703	2702	4	30.0		
2674	Guscio	2681	2682	2704	2703	4	30.0		
2675	Guscio	2682	2683	2705	2704	4	30.0		
2676	Guscio	2683	2684	2706	2705	4	30.0		
2677	Guscio	2684	2685	2707	2706	4	30.0		
2678	Guscio	2685	2686	2708	2707	4	30.0		
2679	Guscio	2686	2687	2709	2708	4	30.0		
2680	Guscio	2687	2688	2710	2709	4	30.0		
2681	Guscio	2688	2689	2711	2710	4	30.0		
2682	Guscio	2689	2690	2712	2711	4	30.0		
2683	Guscio	2690	2691	2713	2712	4	30.0		
2686	Guscio	2702	2703	2727	2726	4	30.0		
2687	Guscio	2703	2704	2728	2727	4	30.0		
2688	Guscio	2704	2705	2729	2728	4	30.0		
2689	Guscio	2705	2706	2730	2729	4	30.0		
2690	Guscio	2706	2707	2731	2730	4	30.0		
2691	Guscio	2707	2708	2732	2731	4	30.0		
2692	Guscio	2708	2709	2733	2732	4	30.0		
2693	Guscio	2709	2710	2734	2733	4	30.0		
2694	Guscio	2710	2711	2735	2734	4	30.0		
2695	Guscio	2711	2712	2736	2735	4	30.0		
2696	Guscio	2712	2713	2737	2736	4	30.0		
2699	Guscio	2726	2727	2749	2748	4	30.0		
2700	Guscio	2727	2728	2750	2749	4	30.0		
2701	Guscio	2728	2729	2751	2750	4	30.0		
2702	Guscio	2729	2730	2752	2751	4	30.0		
2703	Guscio	2730	2731	2753	2752	4	30.0		
2704	Guscio	2731	2732	2754	2753	4	30.0		
2705	Guscio	2732	2733	2755	2754	4	30.0		
2706	Guscio	2733	2734	2756	2755	4	30.0		
2707	Guscio	2734	2735	2757	2756	4	30.0		
2708	Guscio	2735	2736	2758	2757	4	30.0		
2709	Guscio	2736	2737	2759	2758	4	30.0		
2712	Guscio	2748	2749	2787	2786	4	30.0		
2713	Guscio	2749	2750	2788	2787	4	30.0		
2714	Guscio	2750	2751	2789	2788	4	30.0		
2715	Guscio	2751	2752	2790	2789	4	30.0		
2716	Guscio	2752	2753	2791	2790	4	30.0		
2717	Guscio	2753	2754	2792	2791	4	30.0		
2718	Guscio	2754	2755	2793	2792	4	30.0		
2719	Guscio	2755	2756	2794	2793	4	30.0		
2720	Guscio	2756	2757	2795	2794	4	30.0		
2721	Guscio	2757	2758	2796	2795	4	30.0		
2722	Guscio	2758	2759	2797	2796	4	30.0		
2725	Guscio	2786	2787	2827	2826	4	30.0		
2726	Guscio	2787	2788	2828	2827	4	30.0		
2727	Guscio	2788	2789	2829	2828	4	30.0		
2728	Guscio	2789	2790	2830	2829	4	30.0		
2729	Guscio	2790	2791	2831	2830	4	30.0		
2730	Guscio	2791	2792	2832	2831	4	30.0		
2731	Guscio	2792	2793	2833	2832	4	30.0		
2732	Guscio	2793	2794	2834	2833	4	30.0		
2733	Guscio	2794	2795	2835	2834	4	30.0		
2734	Guscio	2795	2796	2836	2835	4	30.0		
2735	Guscio	2796	2797	2837	2836	4	30.0		
2764	Guscio	2826	2827	2867	2866	4	30.0		
2765	Guscio	2827	2828	2868	2867	4	30.0		
2766	Guscio	2828	2829	2869	2868	4	30.0		
2767	Guscio	2829	2830	2870	2869	4	30.0		
2768	Guscio	2830	2831	2871	2870	4	30.0		
2769	Guscio	2831	2832	2872	2871	4	30.0		
2770	Guscio	2832	2833	2873	2872	4	30.0		
2771	Guscio	2833	2834	2874	2873	4	30.0		
2772	Guscio	2834	2835	2875	2874	4	30.0		
2773	Guscio	2835	2836	2876	2875	4	30.0		
2774	Guscio	2836	2837	2877	2876	4	30.0		
2803	Guscio	2866	2867	2909	2908	4	30.0		
2804	Guscio	2867	2868	2910	2909	4	30.0		
2805	Guscio	2868	2869	2911	2910	4	30.0		
2806	Guscio	2869	2870	2912	2911	4	30.0		
2807	Guscio	2870	2871	2913	2912	4	30.0		
2808	Guscio	2871	2872	2914	2913	4	30.0		
2809	Guscio	2872	2873	2915	2914	4	30.0		

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
2810	Guscio	2873	2874	2916	2915	4	30.0		
2811	Guscio	2874	2875	2917	2916	4	30.0		
2812	Guscio	2875	2876	2918	2917	4	30.0		
2813	Guscio	2876	2877	2919	2918	4	30.0		
2842	Guscio	2908	2909	2949	2948	4	30.0		
2843	Guscio	2909	2910	2950	2949	4	30.0		
2844	Guscio	2910	2911	2951	2950	4	30.0		
2845	Guscio	2911	2912	2952	2951	4	30.0		
2846	Guscio	2912	2913	2953	2952	4	30.0		
2847	Guscio	2913	2914	2954	2953	4	30.0		
2848	Guscio	2914	2915	2955	2954	4	30.0		
2849	Guscio	2915	2916	2956	2955	4	30.0		
2850	Guscio	2916	2917	2957	2956	4	30.0		
2851	Guscio	2917	2918	2958	2957	4	30.0		
2852	Guscio	2918	2919	2959	2958	4	30.0		
2881	Guscio	2948	2949	2989	2988	4	30.0		
2882	Guscio	2949	2950	2990	2989	4	30.0		
2883	Guscio	2950	2951	2991	2990	4	30.0		
2884	Guscio	2951	2952	2992	2991	4	30.0		
2885	Guscio	2952	2953	2993	2992	4	30.0		
2886	Guscio	2953	2954	2994	2993	4	30.0		
2887	Guscio	2954	2955	2995	2994	4	30.0		
2888	Guscio	2955	2956	2996	2995	4	30.0		
2889	Guscio	2956	2957	2997	2996	4	30.0		
2890	Guscio	2957	2958	2998	2997	4	30.0		
2891	Guscio	2958	2959	2999	2998	4	30.0		

3.11.3.3 VERIFICHE ELEMENTI PARETE E GUSCIO IN C.A.

TABELLA VERIFICHE ELEMENTI GUSCIO IN C.A.

M_G	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
33	ok 2358	0.15	0.2	3.27e-03	10.1	10.1	10.1	10.1	388.0	-8.4	9.6	598.7	423.3	-372.4
33	ok 2359	0.15	0.6	2.64e-03	10.1	10.1	10.1	10.1	237.5	1.0	2.4	1530.1	-128.0	-407.8
33	ok 2360	0.15	0.3	1.37e-03	10.1	10.1	10.1	10.1	201.6	3.0	-5.9	1729.7	41.8	-329.6
33	ok 2361	0.15	0.3	1.07e-03	10.1	10.1	10.1	10.1	417.7	-2.7	11.3	1116.6	81.2	-75.2
33	ok 2362	0.15	0.4	7.41e-04	10.1	10.1	10.1	10.1	340.4	-2.9	7.5	1903.4	25.1	109.2
33	ok 2363	0.15	0.3	1.10e-03	10.1	10.1	10.1	10.1	279.0	-4.6	4.8	1545.1	62.9	130.0
33	ok 2364	0.15	0.2	1.70e-03	10.1	10.1	10.1	10.1	129.5	2.2	-8.5	-1413.3	-125.3	-205.3
33	ok 2365	0.15	0.1	1.29e-03	10.1	10.1	10.1	10.1	115.2	-3.9	-14.9	-1117.8	-92.1	19.6
33	ok 2366	0.15	0.2	1.89e-03	10.1	10.1	10.1	10.1	50.8	3.3	3.9	-1425.4	-61.2	-114.5
33	ok 2367	0.15	0.2	2.05e-03	10.1	10.1	10.1	10.1	23.6	7.5	-2.6	-1991.3	-26.6	-106.9
33	ok 2368	0.15	0.3	2.25e-03	10.1	10.1	10.1	10.1	85.7	0.7	-5.2	2217.5	259.1	567.3
33	ok 2369	0.15	0.5	1.17e-02	10.1	10.1	10.1	10.1	73.4	5.1	0.9	4014.6	221.1	-4.9
33	ok 2396	0.15	0.4	1.91e-02	10.1	10.1	10.1	10.1	389.1	-38.3	-31.9	925.4	1483.9	-1075.3
33	ok 2397	0.15	0.5	1.02e-02	10.1	10.1	10.1	10.1	327.5	5.4	11.2	2617.9	1271.4	-760.2
33	ok 2398	0.15	0.5	8.66e-03	10.1	10.1	10.1	10.1	353.8	-17.1	-20.8	2470.2	1558.0	181.0
33	ok 2399	0.15	0.6	8.59e-03	10.1	10.1	10.1	10.1	473.5	13.2	53.2	1347.1	1038.7	-319.8
33	ok 2400	0.15	0.7	5.22e-03	10.1	10.4	10.1	10.3	431.0	-11.2	69.4	2303.4	990.0	98.7
33	ok 2401	0.15	0.4	1.08e-02	10.1	10.1	10.1	10.1	363.6	-20.8	89.6	1840.5	1217.4	352.2
33	ok 2402	0.15	0.2	1.60e-02	10.1	10.1	10.1	10.1	254.3	-12.6	130.8	754.2	1102.2	67.9
33	ok 2403	0.15	9.90e-02	1.74e-02	10.1	10.1	10.1	10.1	77.8	4.1	121.1	-494.3	770.2	-174.3
33	ok 2404	0.15	0.2	2.01e-02	10.1	10.1	10.1	10.1	-26.0	22.4	94.2	-1239.0	576.6	-178.6
33	ok 2405	0.15	0.2	2.03e-02	10.1	10.1	10.1	10.1	-58.2	35.1	35.5	-1946.8	-221.9	-50.5
33	ok 2406	0.15	0.3	2.13e-02	10.1	10.1	10.1	10.1	125.2	-7.0	64.6	2266.7	734.4	554.4
33	ok 2407	0.15	0.4	1.50e-02	10.1	10.1	10.1	10.1	113.6	-12.2	15.7	3204.1	643.4	155.9
33	ok 2434	0.17	0.8	7.88e-02	12.9	16.7	12.9	12.2	572.2	-72.5	213.9	3749.9	1408.4	-686.9
33	ok 2435	0.18	0.9	5.53e-02	10.1	18.9	10.1	16.7	704.8	-44.6	-123.2	4651.7	5299.0	-521.6
33	ok 2436	0.17	0.8	3.27e-02	10.1	16.1	10.1	11.2	685.4	-65.0	96.4	3954.7	4644.9	-220.6
33	ok 2437	0.17	0.8	3.57e-02	10.1	15.9	10.1	14.4	620.6	-18.1	280.5	2304.5	5028.3	705.9
33	ok 2438	0.17	0.8	2.69e-02	10.1	17.0	10.1	12.2	713.1	-62.3	77.3	3770.9	6410.4	244.5
33	ok 2439	0.16	0.8	3.44e-02	10.1	13.4	10.1	12.5	556.9	-18.1	-52.4	2587.8	5239.6	-88.9
33	ok 2440	0.15	0.4	3.76e-02	10.1	10.1	10.1	10.1	228.4	22.6	-74.1	869.8	3436.3	-229.7
33	ok 2441	0.15	0.3	3.65e-02	10.1	10.1	10.1	10.1	-105.2	38.4	30.2	-202.1	2702.6	-109.5
33	ok 2442	0.15	0.3	4.23e-02	10.1	10.1	10.1	10.1	-111.9	40.8	-11.3	-892.9	1618.2	-463.4
33	ok 2443	0.15	0.4	7.04e-02	10.1	10.1	10.1	10.1	325.9	-18.5	-65.6	1544.2	1974.6	366.5

M_G	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
33	ok 2444	0.15	0.6	7.58e-02	10.1	10.1	10.1	10.1	408.5	-52.4	0.3	2127.3	1819.6	446.6
33	ok 2445	0.15	0.7	6.64e-02	10.1	10.1	10.1	10.1	388.8	23.9	185.6	2385.3	1908.9	-135.0
33	ok 2458	0.15	0.7	5.52e-02	10.1	12.2	10.1	12.2	165.5	91.7	295.2	-3119.6	-2442.6	1096.2
33	ok 2459	0.15	0.7	4.50e-02	10.1	11.7	10.1	11.7	277.6	47.2	256.7	1843.7	1770.8	372.6
33	ok 2460	0.15	0.7	3.26e-02	10.1	10.4	10.1	10.4	124.4	84.0	230.5	1238.9	-2083.0	-1481.3
33	ok 2461	0.15	0.7	1.99e-02	10.1	10.1	10.1	10.1	112.8	53.6	179.1	562.8	-2094.8	-1614.3
33	ok 2462	0.15	0.4	1.90e-02	10.1	10.1	10.1	10.1	314.5	43.9	169.2	1395.8	1659.5	448.2
33	ok 2463	0.15	0.3	1.82e-02	10.1	10.1	10.1	10.1	278.4	10.0	115.9	1197.1	1609.1	-665.2
33	ok 2464	0.15	0.2	2.20e-02	10.1	10.1	10.1	10.1	1.9	31.8	111.5	-754.8	-1672.8	484.8
33	ok 2465	0.15	0.2	2.10e-02	10.1	10.1	10.1	10.1	68.2	26.0	110.3	-547.2	-1326.5	602.2
33	ok 2466	0.15	0.2	2.11e-02	10.1	10.1	10.1	10.1	-26.1	-7.8	54.7	-1245.5	-810.2	-832.4
33	ok 2467	0.15	0.2	2.60e-02	10.1	10.1	10.1	10.1	-17.1	4.2	70.5	-1661.4	-922.9	-636.0
33	ok 2468	0.15	0.2	3.02e-02	10.1	10.1	10.1	10.1	-36.7	2.9	99.3	-1841.1	-613.4	-380.6
33	ok 2469	0.15	0.4	3.29e-02	10.1	10.1	10.1	10.1	-13.7	-16.6	146.9	2866.6	1444.4	-74.2
33	ok 2480	0.15	0.7	4.71e-02	10.1	11.6	10.1	11.6	130.2	110.1	307.5	4342.5	716.6	716.9
33	ok 2481	0.15	0.7	4.21e-02	10.1	11.0	10.1	11.0	-95.7	104.1	80.4	-2581.7	-2218.3	-1289.2
33	ok 2482	0.15	0.6	3.72e-02	10.1	10.1	10.1	10.1	-71.2	95.7	136.1	-481.1	-2911.2	-1865.7
33	ok 2483	0.15	0.5	3.15e-02	10.1	10.1	10.1	10.1	-48.6	72.6	125.7	985.3	-2874.1	-1613.3
33	ok 2484	0.15	0.3	2.66e-02	10.1	10.1	10.1	10.1	-32.7	39.5	107.7	904.1	-2395.0	-537.6
33	ok 2485	0.15	0.4	2.12e-02	10.1	10.1	10.1	10.1	205.0	58.3	182.3	-488.5	-1773.7	-907.5
33	ok 2486	0.15	0.4	1.91e-02	10.1	10.1	10.1	10.1	164.8	34.5	164.7	-400.5	-1737.7	-1100.3
33	ok 2487	0.15	0.3	2.15e-02	10.1	10.1	10.1	10.1	88.1	19.4	150.8	-720.4	-1634.2	-961.7
33	ok 2488	0.15	0.3	2.36e-02	10.1	10.1	10.1	10.1	51.7	8.7	143.6	-1064.1	-1530.7	-689.7
33	ok 2489	0.15	0.2	2.51e-02	10.1	10.1	10.1	10.1	28.3	3.4	132.5	-1419.3	-1319.6	-407.9
33	ok 2490	0.15	0.2	3.35e-02	10.1	10.1	10.1	10.1	19.0	2.7	98.6	-1618.5	-757.7	-84.3
33	ok 2491	0.15	0.4	4.28e-02	10.1	10.1	10.1	10.1	44.7	-40.3	88.9	3009.5	757.8	253.9
33	ok 2502	0.15	0.8	5.02e-02	10.1	12.0	10.1	12.0	84.0	105.5	230.8	6476.3	1229.2	857.6
33	ok 2503	0.15	0.7	4.50e-02	10.1	10.7	10.1	10.7	-183.0	92.6	21.9	-4237.6	-1756.4	-2777.5
33	ok 2504	0.15	0.5	3.88e-02	10.1	10.1	10.1	10.1	-144.2	86.5	67.5	1881.0	-1763.7	-2479.7
33	ok 2505	0.15	0.5	3.35e-02	10.1	10.1	10.1	10.1	-91.8	104.9	130.8	3150.8	-1665.0	-1119.8
33	ok 2506	0.15	0.7	2.63e-02	10.7	10.1	10.7	10.1	172.4	96.9	221.2	-2510.6	-3038.7	-990.7
33	ok 2507	0.15	0.6	2.23e-02	10.1	10.1	10.1	10.1	154.9	70.2	214.9	-1184.6	-2667.8	-1049.8
33	ok 2508	0.15	0.4	2.83e-02	10.1	10.1	10.1	10.1	128.9	47.8	204.5	-282.7	-1958.6	-885.1
33	ok 2509	0.15	0.3	3.01e-02	10.1	10.1	10.1	10.1	73.0	29.4	192.4	-374.0	-1555.2	-734.0
33	ok 2510	0.15	0.2	3.03e-02	10.1	10.1	10.1	10.1	54.9	15.8	177.7	-576.0	-1258.4	-489.1
33	ok 2511	0.15	0.2	2.99e-02	10.1	10.1	10.1	10.1	32.4	7.4	160.9	-839.1	-1098.3	-108.1
33	ok 2512	0.15	0.2	4.16e-02	10.1	10.1	10.1	10.1	10.9	63.4	135.6	-1219.5	-927.1	447.3
33	ok 2513	0.15	0.3	7.35e-02	10.1	10.1	10.1	10.1	34.2	-128.9	98.6	2027.4	411.9	363.3
33	ok 2524	0.16	0.9	5.68e-02	10.1	12.9	10.1	12.3	-279.8	64.3	-12.7	-9947.5	-2057.8	-1324.4
33	ok 2525	0.15	0.8	5.47e-02	10.1	10.6	10.1	10.6	-255.2	90.4	-10.5	-6201.7	-720.1	-2950.3
33	ok 2526	0.15	0.9	5.69e-02	11.0	11.2	11.0	11.2	-272.6	99.9	-68.3	7099.0	5214.0	-3106.2
33	ok 2527	0.17	0.9	3.82e-02	15.5	12.0	15.5	12.0	-196.3	58.6	-20.8	1.019e+04	6327.5	2161.9
33	ok 2528	0.16	0.9	2.90e-02	12.8	10.7	12.8	10.7	-81.5	45.5	-48.4	4470.6	7546.0	2469.7
33	ok 2529	0.15	0.5	3.12e-02	10.1	10.1	10.1	10.1	-56.2	53.0	-0.6	956.3	4508.0	352.7
33	ok 2530	0.15	0.5	3.30e-02	10.1	10.1	10.1	10.1	-42.5	45.4	-4.2	888.8	4243.5	395.8
33	ok 2531	0.15	0.5	3.67e-02	10.1	10.1	10.1	10.1	-13.6	34.8	-8.6	826.3	3876.9	363.5
33	ok 2532	0.15	0.4	3.72e-02	10.1	10.1	10.1	10.1	-9.9	22.5	-13.3	700.9	3269.3	396.4
33	ok 2533	0.15	0.3	3.67e-02	10.1	10.1	10.1	10.1	7.4	1.8	-11.4	702.5	2501.4	369.6
33	ok 2534	0.15	0.3	4.40e-02	10.1	10.1	10.1	10.1	-6.2	-199.1	-33.2	1754.0	2561.6	-273.3
33	ok 2535	0.15	0.7	0.1	10.1	10.1	10.1	10.1	28.7	-301.6	68.2	816.9	314.0	185.5
33	ok 2536	0.21	1.0	8.98e-02	28.3	27.3	17.5	26.1	-507.6	58.6	-154.4	2.236e+04	1.706e+04	3684.2
33	ok 2537	0.15	0.9	3.05e-02	10.1	10.1	10.1	10.1	-47.8	27.8	-11.8	1639.1	7401.3	628.8
33	ok 2538	0.15	0.8	3.45e-02	10.1	10.1	10.1	10.1	-62.0	54.6	-3.2	1413.2	6432.4	393.4
33	ok 2539	0.15	0.8	3.65e-02	10.1	10.1	10.1	10.1	-17.6	17.1	58.3	1329.3	6756.2	260.6
33	ok 2540	0.15	0.8	4.01e-02	10.1	10.1	10.1	10.1	-22.4	1.2	53.7	1337.7	6803.0	127.5
33	ok 2541	0.15	0.7	4.02e-02	10.1	10.1	10.1	10.1	-4.8	21.9	115.9	1250.9	6373.8	-210.0
33	ok 2542	0.15	0.6	4.04e-02	10.1	10.1	10.1	10.1	-7.9	-3.1	99.9	1056.8	5230.4	-369.9
33	ok 2543	0.15	0.5	4.88e-02	10.1	10.1	10.1	10.1	41.8	-50.4	25.1	2587.6	4863.4	-411.9
33	ok 2544	0.15	0.3	0.2	10.1	10.1	10.1	10.1	46.7	-757.8	87.9	802.0	5806.4	-652.6
33	ok 2547	0.16	0.9	7.58e-02	12.8	10.1	10.8	10.1	-346.5	137.1	0.8	7011.0	4907.0	-2061.5
33	ok 2548	0.15	0.7	6.57e-02	10.1	10.1	10.1	10.1	-293.5	96.5	7.0	-6841.7	154.0	-1297.1
33	ok 2559	0.15	1.0	6.28e-02	10.7	11.8	10.2	10.5	-314.5	62.1	-3.3	-1.236e+04	-2394.8	-704.3
33	ok 2560	0.18	1.0	5.26e-02	10.1	18.6	10.1	10.3	-178.7	90.2	61.9	1.664e+04	3524.7	-298.1
33	ok 2561	0.15	0.4	2.72e-02	10.1	10.1	10.1	10.1	-96.1	121.0	71.9	2785.7	1602.2	-7.3
33	ok 2562	0.15	0.2	2.15e-02	10.1	10.1	10.1	10.1	35.3	32.2	-31.2	-391.5	211.5	1510.8
33	ok 2563	0.15	0.2	2.12e-02	10.1	10.1	10.1	10.1	-21.5	23.1	7.3	-570.1	641.0	866.3
33	ok 2564	0.15	9.73e-02	2.34e-02	10.1	10.1	10.1	10.1	-18.4	2.1	3.3	-657.9	643.7	143.4
33	ok 2565	0.15	0.1	2.68e-02	10.1	10.1	10.1	10.1	4.2	-45.7	-29.0	-632.4	522.3	-646.6
33	ok 2566	0.15	0.2	3.34e-02	10.1	10.1	10.1	10.1	10.6	-17.8	-30.9	-469.6	161.0	-1362.4
33	ok 2567	0.15	0.2	4.88e-02	10.1	10.1	10.1	10.1	41.7	-123.0	-73.1	506.6	293.3	-1600.4
33	ok 2568	0.15	0.3	6.79e-02	10.1	10.1	10.1	10.1	33.4	-134.6	-139.3	2107.9	551.0	-442.8
33	ok 2569	0.15	0.9	6.04e-02	10.1	10.2	10.1	10.2	-271.5	73.7	23.0	1.052e+04	3597.3	1092.6
33	ok 2570	0.15	0.6	6.01e-02	10.1	10.1	10.1	10.1	-270.2	59.0	4.4	-6652.4	-1016.1	154.7
33	ok 2581	0.15	1.0	6.10e-02	11.0	10.1	10.1	10.1	-301.9	58.4	-18.0	-1.266e+04	-2535.6	-165.8

M_G	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
33	ok 2582	0.17	1.0	4.39e-02	10.1	17.2	10.1	10.1	-182.6	21.1	-16.1	1.582e+04	3295.6	-9.8
33	ok 2583	0.15	0.3	2.68e-02	10.1	10.1	10.1	10.1	-125.3	88.7	38.7	2986.5	776.2	440.2
33	ok 2584	0.15	0.3	2.17e-02	10.1	10.1	10.1	10.1	44.4	98.0	-34.1	-1829.2	-1458.3	951.1
33	ok 2585	0.15	0.3	1.79e-02	10.1	10.1	10.1	10.1	30.9	26.7	-29.8	-2148.7	-1998.2	705.7
33	ok 2586	0.15	0.3	2.01e-02	10.1	10.1	10.1	10.1	31.2	13.7	-31.1	-2440.4	-2269.7	53.3
33	ok 2587	0.15	0.3	2.42e-02	10.1	10.1	10.1	10.1	33.1	0.2	-31.8	-2257.7	-2106.2	-651.5
33	ok 2588	0.15	0.3	3.19e-02	10.1	10.1	10.1	10.1	37.6	-13.2	-35.0	-1471.9	-1512.2	-1211.9
33	ok 2589	0.15	0.2	4.55e-02	10.1	10.1	10.1	10.1	47.1	-72.6	-78.3	700.2	-280.6	-1179.7
33	ok 2590	0.15	0.6	5.16e-02	10.1	10.1	10.1	10.1	38.1	-54.7	-118.5	4705.4	1019.5	-305.0
33	ok 2591	0.15	0.7	4.73e-02	10.1	10.1	10.1	10.1	-218.1	42.5	-24.7	8384.4	1544.2	-43.6
33	ok 2592	0.15	0.5	5.22e-02	10.1	10.1	10.1	10.1	-251.3	52.4	-42.3	-6169.3	-1289.9	183.3
33	ok 2603	0.15	1.0	5.74e-02	10.2	10.1	10.1	10.1	-276.6	53.8	-46.8	-1.175e+04	-2347.7	-23.5
33	ok 2604	0.17	1.0	4.83e-02	10.1	17.5	10.1	10.4	-173.7	20.6	-66.0	1.587e+04	3278.1	89.6
33	ok 2605	0.15	0.3	2.53e-02	10.1	10.1	10.1	10.1	-113.4	66.5	-34.2	2579.7	333.8	150.2
33	ok 2606	0.15	0.3	2.01e-02	10.1	10.1	10.1	10.1	34.9	98.4	-41.6	-2192.8	-1722.5	364.3
33	ok 2607	0.15	0.4	1.66e-02	10.1	10.1	10.1	10.1	37.9	28.9	-33.2	-2883.7	-2761.8	249.8
33	ok 2608	0.15	0.4	1.87e-02	10.1	10.1	10.1	10.1	42.6	15.6	-35.0	-3310.4	-3128.2	9.9
33	ok 2609	0.15	0.4	2.35e-02	10.1	10.1	10.1	10.1	48.0	3.6	-37.9	-3055.6	-2850.1	-251.0
33	ok 2610	0.15	0.3	3.07e-02	10.1	10.1	10.1	10.1	55.1	-4.8	-43.5	-1944.3	-1940.2	-451.1
33	ok 2611	0.15	0.1	3.99e-02	10.1	10.1	10.1	10.1	62.2	-2.5	-53.6	695.1	-529.9	-447.9
33	ok 2612	0.15	0.7	4.20e-02	10.1	10.1	10.1	10.1	43.6	-12.0	-95.3	6093.7	1270.8	-129.5
33	ok 2613	0.15	0.7	5.18e-02	10.1	10.1	10.1	10.1	-203.5	45.2	-112.4	8189.8	1628.0	116.5
33	ok 2614	0.15	0.5	5.56e-02	10.1	10.1	10.1	10.1	-239.1	52.6	-77.7	-5962.1	-1248.8	125.5
33	ok 2625	0.15	1.0	5.95e-02	10.3	10.1	10.3	10.1	-257.6	58.0	-112.6	-1.139e+04	-2268.3	-23.1
33	ok 2626	0.17	1.0	5.23e-02	10.1	17.7	10.1	11.1	-177.4	21.7	-63.9	1.580e+04	3269.5	-33.6
33	ok 2627	0.15	0.3	2.81e-02	10.1	10.1	10.1	10.1	-104.6	93.3	-47.3	2529.3	224.0	-180.4
33	ok 2628	0.15	0.3	2.32e-02	10.1	10.1	10.1	10.1	49.6	97.2	-20.2	-2090.0	-1706.9	-386.1
33	ok 2629	0.15	0.3	1.84e-02	10.1	10.1	10.1	10.1	45.5	30.7	-39.4	-2870.1	-2758.7	-281.6
33	ok 2630	0.15	0.4	1.83e-02	10.1	10.1	10.1	10.1	49.6	18.8	-41.1	-3297.4	-3124.8	-24.4
33	ok 2631	0.15	0.4	2.21e-02	10.1	10.1	10.1	10.1	53.4	9.5	-45.1	-3047.3	-2849.7	250.7
33	ok 2632	0.15	0.3	2.84e-02	10.1	10.1	10.1	10.1	58.1	4.6	-52.1	-1945.6	-1944.3	456.5
33	ok 2633	0.15	0.1	3.66e-02	10.1	10.1	10.1	10.1	42.4	11.3	19.8	858.8	-405.3	403.5
33	ok 2634	0.15	0.7	3.72e-02	10.1	10.1	10.1	10.1	43.3	1.7	-70.5	6052.2	1254.0	96.7
33	ok 2635	0.15	0.8	5.60e-02	10.1	10.1	10.1	10.1	-195.6	57.7	-162.4	8092.9	1499.9	112.7
33	ok 2636	0.15	0.5	5.98e-02	10.1	10.1	10.1	10.1	-244.3	54.0	-65.5	-5987.0	-1341.3	-84.2
33	ok 2647	0.15	1.0	6.34e-02	10.2	10.1	10.2	10.1	-269.0	67.5	-62.3	-1.140e+04	-2299.9	-47.7
33	ok 2648	0.17	1.0	5.91e-02	10.1	17.7	10.1	11.7	-179.3	25.4	-113.9	1.559e+04	3244.0	53.6
33	ok 2649	0.15	0.3	3.22e-02	10.1	10.1	10.1	10.1	-113.7	91.6	-106.2	2300.5	530.9	-378.6
33	ok 2650	0.15	0.3	2.83e-02	10.1	10.1	10.1	10.1	94.5	89.7	-32.9	-1745.3	-1400.7	-950.8
33	ok 2651	0.15	0.3	2.36e-02	10.1	10.1	10.1	10.1	54.6	30.4	-42.7	-2109.0	-1974.1	-732.9
33	ok 2652	0.15	0.3	1.85e-02	10.1	10.1	10.1	10.1	53.5	21.4	-42.6	-2403.5	-2245.8	-69.5
33	ok 2653	0.15	0.4	1.92e-02	10.1	10.1	10.1	10.1	50.9	16.5	-46.2	-2232.1	-2093.7	643.9
33	ok 2654	0.15	0.3	2.45e-02	10.1	10.1	10.1	10.1	47.7	15.1	-54.2	-1471.4	-1516.6	1208.3
33	ok 2655	0.15	0.2	3.26e-02	10.1	10.1	10.1	10.1	45.9	18.0	-62.5	400.5	-492.2	1259.8
33	ok 2656	0.15	0.5	3.43e-02	10.1	10.1	10.1	10.1	36.9	-6.7	-47.2	4576.8	967.1	269.7
33	ok 2657	0.15	0.8	6.37e-02	10.1	10.1	10.1	10.1	-215.2	50.0	-104.8	8278.8	1491.5	135.0
33	ok 2658	0.15	0.6	6.67e-02	10.1	10.1	10.1	10.1	-257.3	57.6	-101.6	-6139.4	-1368.1	-153.6
33	ok 2669	0.15	1.0	6.99e-02	10.5	10.1	10.5	10.1	-283.1	69.6	-96.1	-1.166e+04	-2329.0	-110.1
33	ok 2680	0.15	0.9	7.44e-02	11.5	11.4	11.5	11.4	-295.6	70.7	-127.3	-1.202e+04	-2397.7	63.5
33	ok 2681	0.15	0.7	7.59e-02	10.1	10.1	10.1	10.1	-267.5	88.0	-138.2	-6416.5	-882.5	-6.2
33	ok 2682	0.16	0.9	7.58e-02	11.8	12.7	11.7	12.7	-261.9	102.7	-167.2	1.025e+04	3871.9	-940.6
33	ok 2683	0.19	1.0	7.09e-02	10.9	20.0	10.3	13.2	-177.8	109.4	-208.9	1.636e+04	3468.8	353.7
33	ok 2684	0.15	0.4	3.51e-02	10.1	10.1	10.1	10.1	-88.2	130.6	-160.5	2665.2	1504.2	-54.3
33	ok 2685	0.15	0.2	3.01e-02	10.1	10.1	10.1	10.1	22.3	36.1	-88.5	-129.5	605.7	-1462.4
33	ok 2686	0.15	0.1	2.56e-02	10.1	10.1	10.1	10.1	63.7	27.1	-37.9	-704.2	409.8	-875.7
33	ok 2687	0.15	9.50e-02	2.13e-02	10.1	10.1	10.1	10.1	55.1	22.4	-36.1	-789.2	418.0	-99.9
33	ok 2688	0.15	0.1	1.76e-02	10.1	10.1	10.1	10.1	45.5	22.3	-38.0	-740.1	337.8	698.9
33	ok 2689	0.15	0.2	1.90e-02	10.1	10.1	10.1	10.1	33.1	25.9	-43.7	-468.3	183.8	1341.8
33	ok 2690	0.15	0.2	2.74e-02	10.1	10.1	10.1	10.1	26.3	50.3	-63.0	194.8	-245.4	1795.3
33	ok 2691	0.15	0.2	3.78e-02	10.1	10.1	10.1	10.1	27.4	-33.8	-23.6	1896.7	469.6	398.0
33	ok 2702	0.16	0.9	7.42e-02	11.4	13.9	11.4	13.3	-281.3	64.7	-99.5	-1.059e+04	-2084.0	699.8
33	ok 2703	0.15	0.7	7.78e-02	10.1	11.8	10.1	11.8	-250.8	106.4	-105.0	-6006.3	71.6	1724.0
33	ok 2704	0.17	0.8	8.46e-02	17.3	10.9	13.8	10.9	-356.6	122.3	-92.5	7334.0	4625.4	2302.0
33	ok 2705	0.21	1.0	9.56e-02	27.9	25.4	17.7	23.0	-436.1	119.8	28.0	1.962e+04	1.365e+04	-2487.3
33	ok 2706	0.15	0.8	5.38e-02	10.1	10.2	10.1	10.2	-4.1	17.9	-34.7	1962.2	6856.9	-584.8
33	ok 2707	0.15	0.8	5.16e-02	10.1	10.1	10.1	10.1	45.0	17.5	-121.9	1240.0	6042.3	-307.4
33	ok 2708	0.15	0.8	4.92e-02	10.1	10.1	10.1	10.1	37.4	8.6	-112.0	1278.6	6339.2	-251.7
33	ok 2709	0.15	0.8	5.13e-02	10.1	10.1	10.1	10.1	30.6	-4.1	-63.2	1366.1	6561.6	-153.3
33	ok 2710	0.15	0.7	5.02e-02	10.1	10.1	10.1	10.1	32.1	-13.5	-10.3	1265.8	6139.9	112.5
33	ok 2711	0.15	0.5	4.40e-02	10.1	10.1	10.1	10.1	16.8	-23.6	-15.9	1009.1	4661.9	272.6
33	ok 2712	0.15	0.4	4.52e-02	10.1	10.1	10.1	10.1	18.6	-9.98e-02	-137.4	1847.5	3360.2	185.7
33	ok 2713	0.15	0.7	8.85e-02	11.5	10.1	12.3	10.1	-44.6	-223.3	-133.8	-721.5	2106.4	117.6
33	ok 2726	0.17	0.8	6.99e-02	11.1	15.5	11.1	15.2	-208.9	83.3	-139.6	-7353.8	-1454.3	1128.2
33	ok 2727	0.16	0.8	6.59e-02	11.4	13.9	11.4	13.9	-171.8	95.0	-116.4	-4718.4	-942.2	2855.4

M_G	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
33	ok 2728	0.16	0.8	5.85e-02	13.5	10.1	13.0	10.1	-165.8	94.6	-66.1	5779.8	3028.6	3110.4
33	ok 2729	0.17	0.8	4.58e-02	16.7	10.1	16.1	10.1	-152.3	87.9	-85.3	7452.7	2641.0	-1011.8
33	ok 2730	0.16	0.8	4.53e-02	14.5	10.1	14.5	10.1	-81.8	73.9	-12.2	4535.8	5136.9	-2238.3
33	ok 2731	0.15	0.5	4.45e-02	10.1	10.1	10.1	10.1	-31.6	40.1	-49.9	833.9	3048.5	-480.5
33	ok 2732	0.15	0.3	4.29e-02	10.1	10.1	10.1	10.1	-1.8	32.8	-41.4	466.6	2136.0	-509.8
33	ok 2733	0.15	0.3	4.32e-02	10.1	10.1	10.1	10.1	11.3	31.3	-34.5	393.5	1810.8	-591.3
33	ok 2734	0.15	0.2	4.38e-02	10.1	10.1	10.1	10.1	37.7	34.4	-32.1	310.0	1414.3	-674.7
33	ok 2735	0.15	0.2	4.01e-02	10.1	10.1	10.1	10.1	40.3	42.9	-36.7	456.1	1034.8	-645.9
33	ok 2736	0.15	0.2	3.64e-02	10.1	10.1	10.1	10.1	48.3	-36.1	-58.8	1019.5	571.1	-498.0
33	ok 2737	0.15	0.6	8.25e-02	10.3	10.1	10.3	10.1	17.3	-77.0	-156.3	-258.0	-1117.6	-596.7
33	ok 2748	0.17	0.8	5.97e-02	10.6	16.7	10.6	15.4	-97.6	77.8	-167.8	-3131.6	-693.7	981.2
33	ok 2749	0.16	0.8	5.46e-02	11.2	14.4	11.2	14.4	-69.4	73.1	-155.3	-2617.9	-1596.0	2171.4
33	ok 2750	0.15	0.6	4.88e-02	10.2	10.3	10.2	10.3	-45.8	61.8	-147.6	1423.4	-1985.2	2082.9
33	ok 2751	0.15	0.7	4.07e-02	10.4	10.1	10.4	10.1	-48.4	47.7	-120.5	2365.5	-1796.0	1224.1
33	ok 2752	0.15	0.7	3.28e-02	11.0	10.1	11.0	10.1	14.0	45.7	-135.3	1903.0	-1453.7	0.9
33	ok 2753	0.15	0.7	3.14e-02	10.1	10.1	10.1	10.1	286.1	14.6	-242.8	-883.6	-1884.3	852.9
33	ok 2754	0.15	0.4	3.28e-02	10.1	10.1	10.1	10.1	213.1	6.6	-249.6	-313.0	-2097.5	716.6
33	ok 2755	0.15	0.3	3.38e-02	10.1	10.1	10.1	10.1	162.6	4.5	-236.0	-477.1	-1813.6	597.3
33	ok 2756	0.15	0.3	3.51e-02	10.1	10.1	10.1	10.1	42.6	-17.8	-65.8	-714.8	-1582.3	-443.5
33	ok 2757	0.15	0.2	3.22e-02	10.1	10.1	10.1	10.1	39.3	14.4	-60.5	-715.7	-1352.5	-632.4
33	ok 2758	0.15	0.2	3.19e-02	10.1	10.1	10.1	10.1	26.2	108.1	-140.1	-1339.3	-704.6	-178.1
33	ok 2759	0.15	0.3	4.44e-02	10.1	10.1	10.1	10.1	41.0	-25.4	-64.0	2546.8	493.7	-298.8
33	ok 2786	0.17	0.8	4.40e-02	12.0	16.4	12.0	14.0	373.9	20.2	-174.2	-1470.8	-466.9	-219.9
33	ok 2787	0.16	0.8	4.22e-02	10.3	14.0	10.3	14.0	34.9	27.5	-196.9	-1058.4	-1756.6	680.1
33	ok 2788	0.15	0.7	3.50e-02	10.1	11.0	10.1	11.0	130.3	24.3	-192.5	952.7	-2248.5	1537.5
33	ok 2789	0.15	0.4	3.02e-02	10.1	10.1	10.1	10.1	28.8	17.6	-130.7	845.3	-2471.3	1542.1
33	ok 2790	0.15	0.3	2.80e-02	10.1	10.1	10.1	10.1	14.2	9.0	-97.9	429.7	-2209.2	601.2
33	ok 2791	0.15	0.3	2.51e-02	10.1	10.1	10.1	10.1	79.9	-11.6	-51.2	-446.0	-2333.8	228.5
33	ok 2792	0.15	0.3	2.13e-02	10.1	10.1	10.1	10.1	21.0	14.0	-101.1	-629.5	-1886.6	-652.5
33	ok 2793	0.15	0.3	2.52e-02	10.1	10.1	10.1	10.1	40.7	-16.3	-76.8	-904.1	-2112.7	-235.2
33	ok 2794	0.15	0.3	2.69e-02	10.1	10.1	10.1	10.1	39.3	-17.0	-78.1	-886.2	-1891.7	-327.4
33	ok 2795	0.15	0.2	2.84e-02	10.1	10.1	10.1	10.1	43.3	15.2	-155.8	-1397.1	-1226.1	349.2
33	ok 2796	0.15	0.2	2.81e-02	10.1	10.1	10.1	10.1	20.2	27.2	-114.5	-1606.1	-751.8	249.4
33	ok 2797	0.15	0.4	2.75e-02	10.1	10.1	10.1	10.1	50.2	1.3	-51.4	3118.4	660.2	-152.2
33	ok 2826	0.16	0.8	4.47e-02	13.4	11.0	10.3	11.0	396.4	-20.6	-113.2	-3169.1	-2803.0	-1173.5
33	ok 2827	0.16	0.8	3.35e-02	10.1	12.6	10.1	12.6	489.4	-41.7	-211.4	1840.0	-1215.8	-478.0
33	ok 2828	0.15	0.7	2.29e-02	10.1	11.2	10.1	10.9	196.2	-1.5	-102.3	1779.7	-842.4	1518.0
33	ok 2829	0.15	0.7	2.02e-02	10.1	10.6	10.1	10.6	500.9	-41.4	-139.6	1394.6	2166.7	-986.4
33	ok 2830	0.15	0.6	1.64e-02	10.1	10.1	10.1	10.1	418.4	-41.7	-129.5	1720.5	2347.0	-360.5
33	ok 2831	0.15	0.3	1.87e-02	10.1	10.1	10.1	10.1	342.7	-47.4	-77.4	1423.1	2237.5	543.7
33	ok 2832	0.15	0.2	2.57e-02	10.1	10.1	10.1	10.1	248.4	-18.3	-25.9	430.0	1455.6	647.2
33	ok 2833	0.15	0.1	2.75e-02	10.1	10.1	10.1	10.1	-5.9	-2.0	-127.0	-513.5	-937.5	-480.0
33	ok 2834	0.15	0.2	2.43e-02	10.1	10.1	10.1	10.1	-6.4	35.9	-58.1	-1060.9	262.1	512.5
33	ok 2835	0.15	0.2	3.15e-02	10.1	10.1	10.1	10.1	-28.0	26.3	-90.2	-1496.2	-568.4	441.3
33	ok 2836	0.15	0.2	3.41e-02	10.1	10.1	10.1	10.1	-35.1	38.4	-163.7	-1494.9	-500.9	304.2
33	ok 2837	0.15	0.4	2.97e-02	10.1	10.1	10.1	10.1	92.3	-36.6	-18.6	2795.9	650.8	27.3
33	ok 2866	0.15	0.7	8.20e-02	11.2	10.1	11.2	10.1	385.8	-218.4	-359.3	-2256.2	3997.7	-162.6
33	ok 2867	0.20	0.8	4.61e-02	10.1	22.9	10.1	16.0	679.9	-123.2	306.0	6560.1	7748.3	132.8
33	ok 2868	0.18	0.8	3.46e-02	10.1	17.8	10.1	10.8	732.9	-123.1	-82.3	4534.9	6229.1	-133.1
33	ok 2869	0.16	0.8	3.52e-02	10.1	14.4	10.1	12.7	615.9	-74.5	-175.1	2427.3	5426.5	-517.5
33	ok 2870	0.17	0.8	3.58e-02	10.1	15.3	10.1	12.0	667.2	-93.4	-10.8	3592.9	6604.3	-167.8
33	ok 2871	0.16	0.7	4.24e-02	10.1	12.5	10.1	12.5	512.2	-42.7	75.5	2491.2	5509.2	166.1
33	ok 2872	0.15	0.5	3.60e-02	10.1	10.1	10.1	10.1	211.5	9.7	67.5	898.9	3860.0	134.1
33	ok 2873	0.15	0.4	3.66e-02	10.1	10.1	10.1	10.1	-118.6	46.1	-15.4	-80.6	3728.6	-61.6
33	ok 2874	0.15	0.4	4.16e-02	10.1	10.1	10.1	10.1	-98.2	40.7	44.9	-44.7	3403.7	-192.1
33	ok 2875	0.15	0.6	6.69e-02	10.1	10.1	10.1	10.1	383.1	-17.3	97.9	1886.7	2594.7	-438.5
33	ok 2876	0.15	0.7	6.57e-02	10.1	11.2	10.1	10.6	479.1	-79.2	-48.4	2767.0	2159.0	-428.7
33	ok 2877	0.15	0.7	6.54e-02	10.1	10.1	10.1	10.1	405.4	-13.0	-212.6	2036.3	1704.9	31.9
33	ok 2908	0.15	0.7	5.12e-02	10.1	10.3	10.1	10.2	404.6	45.7	74.4	2962.3	4113.5	-571.4
33	ok 2909	0.15	0.6	2.98e-02	10.1	10.1	10.1	10.1	197.4	-36.4	71.1	3687.7	2012.8	394.9
33	ok 2910	0.15	0.5	2.04e-02	10.1	10.1	10.1	10.1	247.6	-41.2	72.2	3215.7	2606.6	-545.3
33	ok 2911	0.15	0.4	1.16e-02	10.1	10.1	10.1	10.1	383.0	-30.5	1.6	1614.4	1924.8	315.9
33	ok 2912	0.15	0.5	8.91e-03	10.1	10.1	10.1	10.1	332.3	-35.4	-14.4	1937.6	1653.4	85.3
33	ok 2913	0.15	0.3	1.36e-02	10.1	10.1	10.1	10.1	293.4	-39.5	-98.9	1396.5	1768.0	-341.1
33	ok 2914	0.15	0.2	1.97e-02	10.1	10.1	10.1	10.1	199.2	-20.0	-123.3	665.8	1565.1	-190.8
33	ok 2915	0.15	0.2	2.04e-02	10.1	10.1	10.1	10.1	-26.5	7.5	-7.6	-763.2	1079.5	-234.5
33	ok 2916	0.15	0.1	2.25e-02	10.1	10.1	10.1	10.1	25.0	4.1	-6.8	-774.1	842.7	-375.6
33	ok 2917	0.15	0.2	2.04e-02	10.1	10.1	10.1	10.1	140.5	-33.0	12.4	1357.9	985.1	-629.4
33	ok 2918	0.15	0.4	1.84e-02	10.1	10.1	10.1	10.1	118.3	-10.0	-60.1	2565.4	806.4	-841.3
33	ok 2919	0.15	0.4	1.52e-02	10.1	10.1	10.1	10.1	104.3	-24.8	-25.0	3276.5	601.0	-259.1
33	ok 2948	0.15	0.3	1.46e-02	10.1	10.1	10.1	10.1	162.5	0.5	-0.8	1606.4	886.5	-1024.5
33	ok 2949	0.15	0.3	1.97e-02	10.1	10.1	10.1	10.1	235.3	-2.0	34.7	1205.1	1509.8	-664.7
33	ok 2950	0.15	0.3	1.07e-02	10.1	10.1	10.1	10.1	162.8	0.2	42.9	2031.4	416.8	-151.2
33	ok 2951	0.15	0.2	6.06e-03	10.1	10.1	10.1	10.1	174.0	-7.7	23.0	1084.2	641.9	-300.3

M_G	Nodo	x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
33	ok 2952	0.15	0.3	2.29e-03	10.1	10.1	10.1	10.1	268.0	2.0	-14.4	1733.1	284.9	53.9
33	ok 2953	0.15	0.2	2.99e-03	10.1	10.1	10.1	10.1	228.5	-7.1	-27.2	1318.0	429.7	-185.2
33	ok 2954	0.15	0.2	5.98e-03	10.1	10.1	10.1	10.1	90.6	3.1	-6.3	-1182.7	64.4	-66.2
33	ok 2955	0.15	0.1	6.03e-03	10.1	10.1	10.1	10.1	51.3	1.0	-3.1	-1152.4	125.7	-356.7
33	ok 2956	0.15	0.2	4.88e-03	10.1	10.1	10.1	10.1	57.6	0.5	-7.4	-1110.3	81.4	-564.1
33	ok 2957	0.15	0.2	5.98e-03	10.1	10.1	10.1	10.1	-19.2	1.4	-12.5	-1776.8	-67.1	-345.5
33	ok 2958	0.15	0.4	9.39e-03	10.1	10.1	10.1	10.1	98.8	5.5	3.9	2483.4	391.7	-904.7
33	ok 2959	0.15	0.6	9.12e-03	10.1	10.1	10.1	10.1	100.4	-3.2	5.9	4356.1	790.9	-268.9
33	ok 2988	0.15	0.2	4.77e-02	10.1	10.1	10.1	10.1	-196.7	-3.7	21.4	1650.1	-22.5	-484.7
33	ok 2989	0.15	0.2	3.42e-02	10.1	10.1	10.1	10.1	-42.2	2.1	8.1	1672.0	-125.8	219.6
33	ok 2990	0.15	0.2	1.08e-02	10.1	10.1	10.1	10.1	14.0	1.0	9.3	1566.7	-124.7	187.1
33	ok 2991	0.15	0.2	1.87e-03	10.1	10.1	10.1	10.1	56.9	-6.3	14.0	1086.6	95.5	-129.2
33	ok 2992	0.15	0.2	7.45e-04	10.1	10.1	10.1	10.1	173.6	-1.9	-1.5	1573.7	-8.3	-6.0
33	ok 2993	0.15	0.2	5.36e-04	10.1	10.1	10.1	10.1	162.7	-2.2	-2.1	1194.5	10.3	-97.7
33	ok 2994	0.15	0.2	8.43e-04	10.1	10.1	10.1	10.1	90.4	-0.3	0.3	-1181.2	19.2	-112.6
33	ok 2995	0.15	0.2	5.41e-04	10.1	10.1	10.1	10.1	100.7	-0.3	4.64e-02	-1280.6	21.4	-210.1
33	ok 2996	0.15	0.2	8.60e-04	10.1	10.1	10.1	10.1	85.0	-0.1	-0.5	-1273.4	29.2	-231.6
33	ok 2997	0.15	0.2	7.05e-04	10.1	10.1	10.1	10.1	60.0	-2.3	1.4	892.8	69.5	-717.2
33	ok 2998	0.15	0.3	1.50e-03	10.1	10.1	10.1	10.1	86.1	2.7	11.5	2524.9	158.3	-364.5
33	ok 2999	0.15	0.6	1.37e-02	10.1	10.1	10.1	10.1	69.6	1.3	-2.4	4993.0	338.5	-27.9

M_G		x/d	verif.	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									-507.57	-757.81	-359.27	-1.266e+04	-3128.24	-3106.18
		0.21	0.99	0.17	28.32	27.34	17.72	26.07	732.93	137.14	307.45	2.236e+04	1.706e+04	3684.24

L’armatura della soletta sp. 30 cm è costituita da una maglia base di 1ϕ16/20/20 inf / sup a cui si aggiungono ferri alternati con sezione variabile ove necessario.

3.11.3.5 STATI LIMITE D' ESERCIZIO

TABELLA STATI LIMITE D' ESERCIZIO

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
2480	0.05	0.58	0.0	94,91,0	0.0	0.0	0.0	0,0,0
2481	0.05	0.58	0.0	94,91,0	0.0	0.0	0.0	0,0,0
2482	0.05	0.57	0.0	95,91,0	0.0	0.0	0.0	0,0,0
2483	0.05	0.53	0.0	95,96,0	0.0	0.0	0.0	0,0,0
2484	0.05	0.45	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2485	0.04	0.33	0.0	93,91,0	0.0	0.0	0.0	0,0,0
2486	0.04	0.26	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2487	0.04	0.24	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2488	0.04	0.21	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2489	0.04	0.19	0.0	94,94,0	0.0	0.0	0.0	0,0,0
2490	0.12	0.31	0.0	94,94,0	0.0	0.0	0.0	0,0,0
2517	0.14	0.54	0.0	94,91,0	0.15	0.0	0.0	91,0,0
2518	0.16	0.57	0.0	94,91,0	0.16	0.0	0.0	91,0,0
2519	0.16	0.58	0.0	95,96,0	0.19	0.0	0.0	96,0,0
2520	0.18	0.54	0.0	93,96,0	0.16	0.0	0.0	96,0,0
2521	0.17	0.46	0.0	93,96,0	0.13	0.0	0.0	96,0,0
2522	0.14	0.46	0.0	93,96,0	0.0	0.0	0.0	0,0,0
2523	0.12	0.36	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2524	0.11	0.29	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2525	0.10	0.25	0.0	92,92,0	0.0	0.0	0.0	0,0,0
2526	0.10	0.32	0.0	94,94,0	0.0	0.0	0.0	0,0,0
2527	0.10	0.42	0.0	95,94,0	0.0	0.0	0.0	0,0,0
2530	0.11	0.60	0.0	96,91,0	0.20	0.0	0.0	91,0,0
2531	0.12	0.57	0.0	96,91,0	0.20	0.0	0.0	91,0,0
2532	0.13	0.61	0.0	92,96,0	0.21	0.0	0.0	91,0,0
2533	0.14	0.41	0.0	92,96,0	0.14	0.0	0.0	96,0,0
2534	0.15	0.37	0.0	92,93,0	0.0	0.0	0.0	0,0,0
2535	0.12	0.38	0.0	92,93,0	0.0	0.0	0.0	0,0,0
2536	0.10	0.28	0.0	92,92,0	0.0	0.0	0.0	0,0,0
2537	0.09	0.24	0.0	92,92,0	0.0	0.0	0.0	0,0,0
2538	0.08	0.27	0.0	92,94,0	0.0	0.0	0.0	0,0,0
2539	0.07	0.32	0.0	92,94,0	0.0	0.0	0.0	0,0,0
2540	0.12	0.35	0.0	94,95,0	0.0	0.0	0.0	0,0,0
2543	0.06	0.44	0.0	95,91,0	0.0	0.0	0.0	0,0,0
2544	0.09	0.48	0.0	95,91,0	0.0	0.0	0.0	0,0,0
2545	0.10	0.44	0.0	94,91,0	0.0	0.0	0.0	0,0,0
2546	0.10	0.44	0.0	95,96,0	0.0	0.0	0.0	0,0,0
2547	0.10	0.41	0.0	95,96,0	0.0	0.0	0.0	0,0,0
2548	0.10	0.37	0.0	85,96,0	0.0	0.0	0.0	0,0,0
2549	0.09	0.33	0.0	93,96,0	0.0	0.0	0.0	0,0,0
2550	0.09	0.29	0.0	93,96,0	0.0	0.0	0.0	0,0,0
2551	0.08	0.25	0.0	94,96,0	0.0	0.0	0.0	0,0,0
2552	0.06	0.22	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2553	0.11	0.35	0.0	94,95,0	0.0	0.0	0.0	0,0,0
2556	0.11	0.38	0.0	95,96,0	0.0	0.0	0.0	0,0,0
2557	0.11	0.44	0.0	95,96,0	0.0	0.0	0.0	0,0,0
2558	0.10	0.45	0.0	94,96,0	0.0	0.0	0.0	0,0,0
2559	0.10	0.44	0.0	95,96,0	0.0	0.0	0.0	0,0,0
2560	0.10	0.41	0.0	95,96,0	0.0	0.0	0.0	0,0,0
2561	0.10	0.37	0.0	85,96,0	0.0	0.0	0.0	0,0,0
2562	0.09	0.33	0.0	85,96,0	0.0	0.0	0.0	0,0,0
2563	0.09	0.29	0.0	93,96,0	0.0	0.0	0.0	0,0,0
2564	0.08	0.25	0.0	94,96,0	0.0	0.0	0.0	0,0,0
2565	0.06	0.20	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2566	0.11	0.35	0.0	94,95,0	0.0	0.0	0.0	0,0,0
2569	0.15	0.39	0.0	94,96,0	0.0	0.0	0.0	0,0,0
2570	0.15	0.43	0.0	94,96,0	0.0	0.0	0.0	0,0,0
2571	0.22	0.45	0.0	94,95,0	0.0	0.0	0.0	0,0,0
2572	0.20	0.45	0.0	94,96,0	0.0	0.0	0.0	0,0,0
2573	0.15	0.42	0.0	94,96,0	0.0	0.0	0.0	0,0,0
2574	0.14	0.40	0.0	94,96,0	0.0	0.0	0.0	0,0,0
2575	0.14	0.40	0.0	94,96,0	0.0	0.0	0.0	0,0,0
2576	0.14	0.38	0.0	94,96,0	0.0	0.0	0.0	0,0,0
2577	0.13	0.34	0.0	94,96,0	0.0	0.0	0.0	0,0,0
2578	0.11	0.28	0.0	95,96,0	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
2579	0.08	0.27	0.0	95,95,0	0.0	0.0	0.0	0,0,0
2580	0.39	0.56	0.0	94,96,0	0.17	0.0	0.0	94,0,0
2581	0.25	0.63	0.0	94,96,0	0.17	0.0	0.0	96,0,0
2582	0.27	0.68	0.0	94,96,0	0.18	0.0	0.0	96,0,0
2583	0.27	0.68	0.0	94,96,0	0.18	0.0	0.0	96,0,0
2584	0.27	0.68	0.0	94,96,0	0.18	0.0	0.0	96,0,0
2585	0.26	0.61	0.0	96,96,0	0.16	0.0	0.0	96,0,0
2586	0.21	0.47	0.0	95,96,0	0.0	0.0	0.0	0,0,0
2587	0.23	0.41	0.0	95,96,0	0.0	0.0	0.0	0,0,0
2588	0.40	0.46	0.0	94,94,0	0.13	0.0	0.0	94,0,0
2589	0.14	0.36	0.0	94,94,0	0.0	0.0	0.0	0,0,0
2590	0.22	0.44	0.0	94,95,0	0.0	0.0	0.0	0,0,0
2593	0.17	0.48	0.0	94,94,0	0.0	0.0	0.0	0,0,0
2594	0.16	0.41	0.0	86,96,0	0.0	0.0	0.0	0,0,0
2595	0.23	0.53	0.0	85,96,0	0.13	0.0	0.0	94,0,0
2596	0.25	0.57	0.0	85,96,0	0.15	0.0	0.0	96,0,0
2597	0.25	0.57	0.0	85,96,0	0.15	0.0	0.0	96,0,0
2598	0.24	0.52	0.0	93,96,0	0.13	0.0	0.0	93,0,0
2599	0.18	0.38	0.0	93,96,0	0.0	0.0	0.0	0,0,0
2600	0.12	0.32	0.0	96,95,0	0.0	0.0	0.0	0,0,0
2601	0.39	0.48	0.0	94,94,0	0.13	0.0	0.0	94,0,0
2602	0.14	0.35	0.0	94,94,0	0.0	0.0	0.0	0,0,0
2603	0.24	0.47	0.0	94,95,0	0.11	0.0	0.0	95,0,0
2606	0.26	0.56	0.0	94,95,0	0.15	0.0	0.0	95,0,0
2607	0.09	0.28	0.0	94,92,0	0.0	0.0	0.0	0,0,0
2608	0.11	0.31	0.0	92,92,0	0.0	0.0	0.0	0,0,0
2609	0.11	0.31	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2610	0.11	0.27	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2611	0.11	0.26	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2612	0.11	0.23	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2613	0.19	0.50	0.0	95,95,0	0.0	0.0	0.0	0,0,0
2614	0.35	0.49	0.0	94,94,0	0.13	0.0	0.0	94,0,0
2615	0.14	0.26	0.0	94,95,0	0.0	0.0	0.0	0,0,0
2616	0.24	0.51	0.0	94,95,0	0.13	0.0	0.0	95,0,0
2619	0.31	0.68	0.0	94,95,0	0.18	0.0	0.0	95,0,0
2620	0.09	0.29	0.0	94,96,0	0.0	0.0	0.0	0,0,0
2621	0.12	0.36	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2622	0.13	0.36	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2623	0.13	0.36	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2624	0.13	0.32	0.0	92,92,0	0.0	0.0	0.0	0,0,0
2625	0.10	0.23	0.0	92,92,0	0.0	0.0	0.0	0,0,0
2626	0.24	0.60	0.0	95,95,0	0.16	0.0	0.0	96,0,0
2627	0.35	0.50	0.0	94,94,0	0.13	0.0	0.0	94,0,0
2628	0.14	0.27	0.0	94,95,0	0.0	0.0	0.0	0,0,0
2629	0.24	0.51	0.0	94,95,0	0.13	0.0	0.0	95,0,0
2632	0.31	0.69	0.0	94,95,0	0.18	0.0	0.0	95,0,0
2633	0.09	0.29	0.0	94,96,0	0.0	0.0	0.0	0,0,0
2634	0.12	0.36	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2635	0.13	0.38	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2636	0.13	0.38	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2637	0.13	0.38	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2638	0.09	0.32	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2639	0.24	0.60	0.0	95,95,0	0.16	0.0	0.0	96,0,0
2640	0.35	0.51	0.0	94,94,0	0.13	0.0	0.0	94,0,0
2641	0.14	0.29	0.0	94,95,0	0.0	0.0	0.0	0,0,0
2642	0.23	0.53	0.0	95,95,0	0.13	0.0	0.0	95,0,0
2645	0.31	0.69	0.0	94,95,0	0.18	0.0	0.0	95,0,0
2646	0.09	0.32	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2647	0.12	0.34	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2648	0.13	0.39	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2649	0.13	0.39	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2650	0.12	0.39	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2651	0.10	0.35	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2652	0.24	0.59	0.0	95,96,0	0.16	0.0	0.0	96,0,0
2653	0.35	0.51	0.0	94,94,0	0.13	0.0	0.0	94,0,0
2654	0.14	0.32	0.0	94,96,0	0.0	0.0	0.0	0,0,0
2655	0.23	0.53	0.0	95,95,0	0.13	0.0	0.0	95,0,0
2660	0.23	0.52	0.0	95,95,0	0.13	0.0	0.0	95,0,0
2661	0.14	0.38	0.0	94,96,0	0.0	0.0	0.0	0,0,0
2662	0.34	0.51	0.0	94,94,0	0.13	0.0	0.0	94,0,0
2663	0.25	0.59	0.0	94,95,0	0.15	0.0	0.0	95,0,0
2664	0.10	0.41	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2665	0.11	0.33	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2666	0.11	0.33	0.0	92,96,0	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
2667	0.10	0.36	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2668	0.11	0.37	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2669	0.10	0.36	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2670	0.18	0.44	0.0	95,96,0	0.0	0.0	0.0	0,0,0
2673	0.22	0.51	0.0	95,95,0	0.12	0.0	0.0	95,0,0
2674	0.14	0.47	0.0	94,96,0	0.0	0.0	0.0	0,0,0
2675	0.37	0.53	0.0	94,94,0	0.15	0.0	0.0	94,0,0
2676	0.15	0.54	0.0	94,94,0	0.12	0.0	0.0	94,0,0
2677	0.17	0.48	0.0	86,96,0	0.0	0.0	0.0	0,0,0
2678	0.23	0.56	0.0	85,96,0	0.14	0.0	0.0	94,0,0
2679	0.26	0.58	0.0	85,96,0	0.15	0.0	0.0	96,0,0
2680	0.26	0.58	0.0	85,96,0	0.15	0.0	0.0	96,0,0
2681	0.24	0.54	0.0	93,96,0	0.14	0.0	0.0	96,0,0
2682	0.19	0.43	0.0	93,96,0	0.0	0.0	0.0	0,0,0
2683	0.11	0.28	0.0	93,96,0	0.0	0.0	0.0	0,0,0
2686	0.19	0.58	0.0	95,96,0	0.0	0.0	0.0	0,0,0
2687	0.15	0.62	0.0	94,96,0	0.0	0.0	0.0	0,0,0
2688	0.35	0.53	0.0	94,94,0	0.15	0.0	0.0	94,0,0
2689	0.35	0.69	0.0	94,96,0	0.19	0.0	0.0	94,0,0
2690	0.25	0.70	0.0	94,96,0	0.19	0.0	0.0	96,0,0
2691	0.25	0.70	0.0	94,96,0	0.19	0.0	0.0	96,0,0
2692	0.25	0.71	0.0	94,96,0	0.19	0.0	0.0	96,0,0
2693	0.25	0.68	0.0	94,96,0	0.18	0.0	0.0	96,0,0
2694	0.23	0.61	0.0	96,96,0	0.16	0.0	0.0	96,0,0
2695	0.18	0.50	0.0	93,96,0	0.0	0.0	0.0	0,0,0
2696	0.14	0.41	0.0	93,96,0	0.0	0.0	0.0	0,0,0
2699	0.12	0.62	0.0	95,91,0	0.18	0.0	0.0	96,0,0
2700	0.11	0.64	0.0	94,96,0	0.20	0.0	0.0	96,0,0
2701	0.15	0.60	0.0	94,96,0	0.19	0.0	0.0	96,0,0
2702	0.13	0.51	0.0	94,96,0	0.0	0.0	0.0	0,0,0
2703	0.09	0.46	0.0	93,96,0	0.0	0.0	0.0	0,0,0
2704	0.08	0.39	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2705	0.07	0.36	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2706	0.07	0.34	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2707	0.07	0.32	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2708	0.07	0.31	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2709	0.09	0.32	0.0	95,95,0	0.0	0.0	0.0	0,0,0
2712	0.06	0.66	0.0	86,91,0	0.19	0.0	0.0	96,0,0
2713	0.09	0.67	0.0	95,96,0	0.22	0.0	0.0	96,0,0
2714	0.10	0.62	0.0	95,96,0	0.19	0.0	0.0	96,0,0
2715	0.10	0.52	0.0	95,96,0	0.0	0.0	0.0	0,0,0
2716	0.10	0.44	0.0	95,96,0	0.0	0.0	0.0	0,0,0
2717	0.09	0.39	0.0	95,96,0	0.0	0.0	0.0	0,0,0
2718	0.09	0.36	0.0	94,96,0	0.0	0.0	0.0	0,0,0
2719	0.09	0.32	0.0	94,96,0	0.0	0.0	0.0	0,0,0
2720	0.08	0.29	0.0	94,96,0	0.0	0.0	0.0	0,0,0
2721	0.07	0.26	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2722	0.11	0.33	0.0	94,95,0	0.0	0.0	0.0	0,0,0
2725	0.09	0.67	0.0	90,91,0	0.25	0.0	0.0	91,0,0
2726	0.09	0.61	0.0	95,91,0	0.21	0.0	0.0	91,0,0
2727	0.10	0.62	0.0	95,91,0	0.0	0.0	0.0	0,0,0
2728	0.10	0.48	0.0	95,96,0	0.0	0.0	0.0	0,0,0
2729	0.10	0.43	0.0	95,96,0	0.0	0.0	0.0	0,0,0
2730	0.09	0.39	0.0	95,96,0	0.0	0.0	0.0	0,0,0
2731	0.09	0.36	0.0	94,96,0	0.0	0.0	0.0	0,0,0
2732	0.09	0.33	0.0	94,96,0	0.0	0.0	0.0	0,0,0
2733	0.08	0.30	0.0	94,96,0	0.0	0.0	0.0	0,0,0
2734	0.06	0.26	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2735	0.11	0.33	0.0	94,95,0	0.0	0.0	0.0	0,0,0
2764	0.22	0.72	0.0	96,91,0	0.23	0.0	0.0	91,0,0
2765	0.21	0.60	0.0	96,91,0	0.20	0.0	0.0	91,0,0
2766	0.19	0.66	0.0	96,91,0	0.21	0.0	0.0	91,0,0
2767	0.18	0.47	0.0	92,91,0	0.0	0.0	0.0	0,0,0
2768	0.18	0.39	0.0	92,92,0	0.0	0.0	0.0	0,0,0
2769	0.16	0.38	0.0	92,93,0	0.0	0.0	0.0	0,0,0
2770	0.14	0.34	0.0	92,92,0	0.0	0.0	0.0	0,0,0
2771	0.13	0.34	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2772	0.12	0.39	0.0	92,94,0	0.0	0.0	0.0	0,0,0
2773	0.11	0.43	0.0	92,94,0	0.0	0.0	0.0	0,0,0
2774	0.10	0.44	0.0	92,94,0	0.0	0.0	0.0	0,0,0
2803	0.21	0.59	0.0	96,91,0	0.17	0.0	0.0	91,0,0
2804	0.23	0.51	0.0	96,91,0	0.16	0.0	0.0	91,0,0
2805	0.22	0.62	0.0	95,91,0	0.20	0.0	0.0	91,0,0
2806	0.23	0.54	0.0	93,96,0	0.17	0.0	0.0	96,0,0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
2807	0.21	0.46	0.0	93,96,0	0.12	0.0	0.0	96,0,0
2808	0.18	0.49	0.0	93,96,0	0.0	0.0	0.0	0,0,0
2809	0.16	0.42	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2810	0.15	0.37	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2811	0.13	0.34	0.0	92,92,0	0.0	0.0	0.0	0,0,0
2812	0.13	0.38	0.0	94,94,0	0.0	0.0	0.0	0,0,0
2813	0.11	0.43	0.0	92,94,0	0.0	0.0	0.0	0,0,0
2842	0.18	0.65	0.0	95,96,0	0.0	0.0	0.0	0,0,0
2843	0.09	0.54	0.0	95,91,0	0.0	0.0	0.0	0,0,0
2844	0.08	0.52	0.0	95,91,0	0.0	0.0	0.0	0,0,0
2845	0.08	0.44	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2846	0.07	0.36	0.0	96,96,0	0.0	0.0	0.0	0,0,0
2847	0.06	0.25	0.0	96,91,0	0.0	0.0	0.0	0,0,0
2848	0.05	0.20	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2849	0.05	0.19	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2850	0.05	0.17	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2851	0.07	0.23	0.0	94,94,0	0.0	0.0	0.0	0,0,0
2852	0.13	0.35	0.0	94,94,0	0.0	0.0	0.0	0,0,0
2881	0.07	0.34	0.0	95,91,0	0.0	0.0	0.0	0,0,0
2882	0.06	0.39	0.0	91,91,0	0.0	0.0	0.0	0,0,0
2883	0.05	0.39	0.0	90,91,0	0.0	0.0	0.0	0,0,0
2884	0.03	0.36	0.0	93,91,0	0.0	0.0	0.0	0,0,0
2885	0.02	0.29	0.0	93,91,0	0.0	0.0	0.0	0,0,0
2886	0.03	0.23	0.0	94,96,0	0.0	0.0	0.0	0,0,0
2887	0.05	0.23	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2888	0.05	0.23	0.0	92,96,0	0.0	0.0	0.0	0,0,0
2889	0.05	0.21	0.0	92,93,0	0.0	0.0	0.0	0,0,0
2890	0.07	0.21	0.0	94,94,0	0.0	0.0	0.0	0,0,0
2891	0.17	0.40	0.0	94,94,0	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck		wR	wF	wP	
	0.40	0.72	0.0		0.25	0.0	0.0	