

Comune di MONTALTO UFFUGO

PROVINCIA DI COSENZA

*"Realizzazione nuovi loculi cimiteriali -
sesta costruzione - modulo C"*

CUP: H89G18000100004 - CIG: Z2A23D4EE7

PROGETTO DEFINITIVO ED ESECUTIVO



ELABORATO :

RELAZIONE DI CALCOLO

SCALA DIMENSIONALE:

DATA:

PROTOCOLLO N.:

NUMERO ELABORATO:

B₄

MATERIALI:

CLS
C25/30 - XC1
C25/30 - XC2
ACCIAIO LONGITUDINALI
B450C
ACCIAIO STAFFE
B450C

RESPONSABILE UNICO DEL PROCEDIMENTO

Ing. Massimiliano COSTANZO

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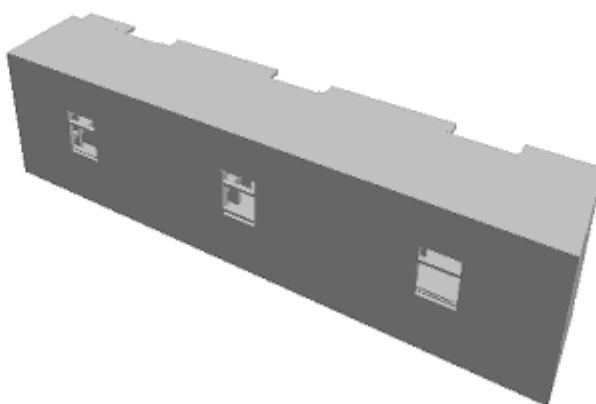
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Progetto di nuova struttura ai sensi del D.M. 17/01/2018 "Norme Tecniche per le Costruzioni"



Archivio: 06-09-2018 Rev. 3.0 - Data: 01/09/2018

Objetto: Progetto definitivo ed esecutivo per la “Realizzazione nuovi loculi cimiteriali – sesta costruzione – modulo C”. CUP: H89G18000100004 – CIG: Z2A23D4EE7-Determinazione del Servizio LL.PP. n.21 del 01.06.2018 Convenzione incarico del 05.06.2018

Committente:	Progettista:	Progettista Strutturale:	Direttore dei Lavori:
Amministrazione Comunale	arch. Angelo Tropea	arch. Angelo Tropea	arch. Angelo Tropea

1 Introduzione

1.1 Premessa

1.1.1 Cenni sulla casa produttrice del software

La relazione seguente riporta i dati relativi ai criteri di progettazione, alla geometria, alla meccanica della struttura descritta al relativo paragrafo, nonché i relativi risultati dei calcoli strutturali così come ricavati dal calcolatore elettronico tramite l'utilizzo del Software "FaTA-e" prodotto e distribuito da Stacec srl con sede in Bovalino (RC), e concesso in licenza al responsabile dei calcoli stessi.

FaTA-e è un programma sviluppato specificatamente per la progettazione e la verifica di edifici tridimensionali multipiano ed industriali realizzati con elementi strutturali in C.A., in Acciaio, in legno (massiccio e/o lamellare) o in muratura.

FaTA-e articola le operazioni di progetto secondo tre fasi distinte:

- 1) **preprocessore**: fase di Input dove viene definita e modellata interamente la struttura;
- 2) **solutore**: fase di elaborazione della struttura tramite un solutore agli elementi finiti;
- 3) **post-processore**: fase di verifica degli elementi, creazione degli elaborati grafici e della relazione di calcolo.

1.1.2 Descrizione dell'Opera da calcolare

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1.2 Riferimenti Legislativi.

Tutte le operazioni illustrate nel proseguo, relative all'analisi della struttura ed alle verifiche sugli elementi sono state effettuate in piena conformità alle seguenti norme:

Norme Tecniche C.N.R. 10011:

"Costruzioni di acciaio - Istruzione per il calcolo, l'esecuzione, il collaudo e la manutenzione."

Norme C.N.R. 10024:

"Analisi delle strutture mediante calcolatore elettronico: impostazione e redazione delle relazioni di calcolo."

Ordinanza del Presidente del Consiglio 3274 - 08/05/2003:

"Primi elementi in materia di criteri generali per la classificazione sismica del territorio nazionale e di normative tecniche per le costruzioni in zona sismica."

Ordinanza del Presidente del Consiglio 3431 - 03/05/2005:

"Ulteriori modifiche ed integrazioni all'Ordinanza del Presidente del Consiglio 3274 - 08/05/2003."

UNI ENV 1992-1-1: Eurocodice 2:

"Progettazione delle strutture in calcestruzzo - Parte 1-1: Regole generali e regole per gli edifici"

UNI ENV 1993-1-1: Eurocodice 3:

"Progettazione delle strutture di acciaio - Parte 1-1: Regole generali e regole per gli edifici."

UNI ENV 1998-1-1: Eurocodice 8:

"Indicazioni progettuali per la resistenza sismica delle strutture - Parte 1-1: Regole generali."

D.M. 17/01/2018:

"Norme tecniche per le costruzioni."

Circolare 617 del 02/02/2009:

"Istruzioni per l'applicazione delle «Nuove norme tecniche per le costruzioni» di cui al decreto ministeriale 14 gennaio 2008.", ai sensi della Circolare del 20/03/2018 del Servizio Tecnico Centrale - Consiglio Superiore dei Lavori Pubblici "Prima applicazione del D.M. 17.01.2018, riportante l'aggiornamento delle Norme Tecniche delle Costruzioni, alle procedure autorizzative e di qualificazione del Servizio Tecnico Centrale".

1.3 Convenzioni, Unità di misura e simboli adottati.

Nei calcoli sono state utilizzate le seguenti unità:

- distanze	: cm
- forze, tagli, e sforzi normali	: daN
- coppie e momenti flettenti	: daNm
- carichi sulle aste	: daN/m
- carichi su superfici	: daN/m ²
- peso specifico	: daN/m ³
- tensioni e resistenze	: daN/m ²
- temperatura	: °C

I simboli adottati hanno il seguente significato:

q	: fattore di comportamento ;
R _{ck}	: Resistenza caratteristica cubica a compressione del calcestruzzo;
f _{ck}	: Resistenza caratteristica cilindrica a compressione del calcestruzzo;
E _c	: Modulo elastico secante del calcestruzzo;
E _{ct}	: Modulo elastico a trazione del calcestruzzo
f _{cd}	: Resistenza di calcolo del calcestruzzo;
f _{ctk,0.05}	: Resistenza caratteristica a trazione;
ν	: Coefficiente di Poisson;
α _t	: Coefficiente di dilatazione termica;
ps	: peso specifico;

f_{yk}	: Resistenza caratteristica di snervamento dell'acciaio;
f_{tk}	: Resistenza caratteristica di rottura dell'acciaio;
f_d	: resistenza di calcolo dell'acciaio;
A	: Superficie della sezione trasversale;
J_x	: Momento di inerzia rispetto all'asse X;
J_y	: Momento di inerzia rispetto all'asse Y;
J_{xy}	: Momento di inerzia centrifugo rispetto agli assi X ed Y;
J_t	: Fattore torsionale;
N	: sforzo normale;
M_T	: Momento Torcente;
M_{XZ}	: Momento Flettente X-Z;
T_{XZ}	: Taglio X-Z;
M_{XY}	: Momento Flettente X-Y;
T_{XY}	: Taglio X-Y;
f	: Frequenza del modo i-esimo;
T	: Periodo del modo i-esimo;
Γ_x	: Fattore di partecipazione del modo i-esimo in direzione x;
Γ_y	: Fattore di partecipazione del modo i-esimo in direzione y;
Γ_z	: Fattore di partecipazione del modo i-esimo in direzione z;
N_{sd}	: Sforzo Normale sollecitante di calcolo;
M_{sdXZ}	: Momento Flettente X-Z sollecitante di calcolo;
M_{sdXY}	: Momento Flettente X-Y sollecitante di calcolo;
M_{ts}	: Momento Torcente sollecitante di calcolo;
V_{sdXZ}	: Taglio X-Z sollecitante di calcolo;
V_{sdXY}	: Taglio X-Y sollecitante di calcolo;
N_{Rd}	: Sforzo Normale resistente di calcolo;
M_{RdXZ}	: Momento Flettente X-Z resistente di calcolo;
M_{RdXY}	: Momento Flettente X-Y resistente di calcolo;
M_{tR}	: Momento Torcente resistente di calcolo;
V_{RdXZ}	: Taglio X-Z resistente di calcolo;
V_{RdXY}	: Taglio X-Y resistente di calcolo;
σ_c	: Tensioni del calcestruzzo;
σ_s	: Tensioni delle armature;
$\sigma_{c,lim}$: Tensioni limite del calcestruzzo;
$\sigma_{s,lim}$: Tensioni limite dell'acciaio;
f/l	: rapporto freccia/lunghezza;
f_{lim}	: valore limite del rapporto freccia/lunghezza;

2 Descrizione del Modello.

2.1 Modello assunto per il calcolo.

L'analisi numerica della struttura è stata condotta attraverso l'utilizzo del metodo degli elementi finiti ipotizzando un comportamento elastico-lineare.

Il metodo degli elementi finiti consiste nel sostituire il modello continuo della struttura con un modello discreto equivalente e di approssimare la funzione di spostamento con polinomio algebrico, definito in regioni (dette appunto elementi finiti) che sono delle funzioni interpolanti il valore di spostamento definito in punti discreti (detti nodi).

Gli elementi finiti utilizzabili ai fini della corretta modellazione della struttura verranno descritti di seguito.

Il modello di calcolo può essere articolato sulla base dell'ipotesi di impalcato rigido, in funzione della reale presenza di solai continui atti ad irrigidire tutto l'impalcato.

Tale ipotesi viene realizzata attraverso l'introduzione di adeguate relazioni cinematiche tra i gradi di libertà dei nodi costituenti l'impalcato stesso.

Il metodo di calcolo adottato, le combinazioni di carico, e le procedure di verifica saranno descritte di seguito.

Riferimento globale e locale.

La struttura viene definita utilizzando una terna di assi cartesiani formanti un sistema di riferimento levogiro, unico per tutti gli elementi e chiamato "globale". Localmente esiste un ulteriore sistema di riferimento, detto appunto "locale", utile alla definizione delle caratteristiche di rigidezza dei singoli elementi.

I due sistemi di riferimento sono correlati da una matrice, detta di rotazione.

Modellazione geometrica della struttura.

Il modello geometrico (mesh) della struttura è basato sull'utilizzo dei seguenti elementi:

- Nodi

Si definiscono nodi, entità geometriche determinate tramite le tre coordinate nel riferimento globale.

I nodi, nello spazio tridimensionale, posseggono tre gradi di libertà traslazionali e tre rotazionali.

Essi sono posizionati in modo da definire gli estremi degli elementi finiti e, di regola, in ogni discontinuità strutturale, di carico, di caratteristiche meccaniche, di campo di spostamento.

- Vincoli e Molle

I gradi di libertà possono essere vincolati, bloccando il cinematismo nella direzione voluta o assegnando "molle" applicate ai nodi tramite valori di rigidezza finiti.

Un vincolo assegna a priori un valore di spostamento nullo, e quindi la variabile corrispondente viene eliminata.

- Vincoli interni

Tali vincoli servono a definire le modalità di trasmissione degli sforzi dall'elemento finito ai nodi. Ciò viene associato al concetto di trasferimento della rigidezza.

Generalmente l'elemento considerato è rigidamente connesso ai nodi che lo definiscono, in modo da bloccare tutti i gradi di libertà relativi. E' possibile, comunque "rilasciare" le caratteristiche delle sollecitazioni, in modo da svincolare i gradi di libertà corrispondenti. Nel caso particolare, il modello utilizzato consente di svincolare le tre rotazioni intorno agli assi locali dell'asta.

- Aste

Si tratta di elementi finiti monodimensionali ad asse rettilineo delimitate da due nodi (i nodi di estremità).

Per questi elementi generalmente la funzione interpolante è quella del modello analitico per cui la mesh non influisce sensibilmente sulla convergenza.

Le aste sono dotate di rigidezza assiale, flessionale, e a taglio, secondo il modello classico della trave inflessa di Eulero-Bernoulli.

Alla singola asta è possibile associare una sezione costante per tutta la sua lunghezza.

- Asta su suolo elastico

Si tratta di elementi finiti monodimensionali ad asse rettilineo, di definizione simile alle aste. Sono utili a modellare travi di fondazione, considerate poggianti su suolo alla Winkler, e reagenti sia rispetto alle componenti traslazionali di cinematismo, sia rotazionali.

- Lastra-Piastra

Si tratta di elementi finiti bidimensionali, definiti da tre o quattro nodi, posti ai vertici rispettivamente di un triangolo o di un quadrilatero irregolare. La geometria reale dell'elemento viene ricondotta ad un triangolo rettangolo (elemento a tre nodi) o ad un quadrato definito nella trattazione isoparametrica.

L'elemento lastra-piastra non ha rigidezza per la rotazione intorno all'asse perpendicolare al suo piano e viene trattato secondo la teoria di Mindlin-Reissner. Nel modello considerato si tiene conto dell'accoppiamento tra azioni flessionali e membranali.

- Forze e coppie concentrate

Per la risoluzione statica della struttura, tutti i carichi applicati agli elementi vengono trasferiti ai nodi. Ciò avviene in automatico per il peso delle aste, delle piastre, delle pareti, dei pannelli di carico presenti sulle aste e per la distribuzione di carico applicate

agli elementi bidimensionali.

Il modello di calcolo consente anche l'introduzione di forze e coppie ai nodi.

Le forze sono dirette lungo le tre direzioni del sistema di riferimento globale ed in entrambi i versi per ogni direzione.

Le coppie concentrate sono riferite ai tre assi del riferimento globale, in entrambi i versi di rotazione di ciascun asse.

- Carichi distribuiti

Il modello di calcolo consente anche l'introduzione di carichi ripartiti sulle aste e di distribuzione di carico su piastre e pareti.

I carichi ripartiti sulle aste possono essere riferite sia al riferimento globale, sia al riferimento locale, lungo le tre direzioni ed in entrambe i versi. E' possibile anche introdurre carichi distribuiti torcenti agenti intorno all'asse dell'asta ed in entrambe i versi di rotazione.

Tutti i tipi di carico ripartito devono avere forma trapezia.

Sugli elementi bidimensionali, che fanno parte della mesh di piastre e pareti, è possibile assegnare una distribuzione uniforme, avente le caratteristiche di una pressione diretta ortogonalmente all'elemento.

- Pannelli di carico

Il pannello di carico è un concetto legato alla reale distribuzione di carichi gravanti sulle aste. Ne fanno parte: solai, balconi, scale.

Da tali pannelli, di forma irregolare come definiti dalla geometria dell'input, si passa alla quantificazione dei carichi trapezoidali ripartiti sulle aste. Per meglio simulare l'effetto dei pannelli, vengono generati in modo automatico anche dei carichi ripartiti torcenti, anch'essi di forma trapezia, relativi ai carichi distribuiti equivalenti al pannello.

- Sezioni

Le sezioni assegnabili alle aste sono definite attraverso le caratteristiche geometrico-elastiche, i moduli di resistenza plastici (sezioni in acciaio) ed il materiale.

Materiali.

I materiali, ai fini del calcolo delle sollecitazioni, sono considerati omogenei ed isotropi e sono definiti dalle seguenti caratteristiche: peso per unità di volume, modulo elastico, coefficiente di Poisson, coefficiente di dilatazione, e tutte le caratteristiche meccaniche, riepilogate in seguito, utili alle verifiche strutturali dettate dalla normativa.

Matrici di calcolo della struttura.

Dalla discretizzazione geometrica della struttura vengono definite le matrici utili a studiare il comportamento globale della struttura in esame.

- Matrice di rigidezza

Tale matrice viene costruita partendo dalla matrice di rigidezza espressa nel sistema di riferimento locale dell'elemento considerato. Attraverso un'operazione di trasformazione, mediante la matrice di rotazione, viene riferita al sistema di riferimento globale. L'ultima operazione consiste nell'"assemblaggio" delle singole matrici di ogni elemento, in modo da formare un'unica matrice relativa all'intera struttura.

- Matrice delle masse

La generazione della matrice globale è del tutto analoga a quella sopra descritta per la matrice di rigidezza. La matrice delle masse è di tipo "consistent" e considera l'effettiva distribuzione delle masse della struttura. Come definito dalla normativa, alle masse relative ai carichi permanenti, viene aggiunta un'aliquota delle masse equivalenti ai carichi d'esercizio.

2.2 Tipo di calcolo.

ANALISI ORIZZONTALE DINAMICA LINEARE

Il calcolo risolutivo della struttura è stato effettuato utilizzando un sistema di equazioni lineari (di dimensioni pari ai gradi di libertà), secondo la relazione:

$$\underline{u} = [\underline{K}]^{-1} \underline{F}$$

dove: \underline{F} = vettore dei carichi risultanti applicate ai nodi;
 \underline{u} = vettore dei cinematismi nodali;
 $[\underline{K}]$ = matrice di rigidezza globale.

Tale analisi è stata ripetuta per tutte le condizioni presenti sulla struttura, identificati dai vettori dei carichi relativi a:

- carichi permanenti;
- carichi d'esercizio;
- delta termico;
- carichi utente;
- torsioni accidentali;

I valori delle eccentricità accidentali per le torsioni sono i seguenti:

Imp. Reale	Torsioni Accidentali	
	e_x [cm]	e_y [cm]
1	112.2	20.8
2	112.2	20.8

Per ogni impalcato reale si riportano i dati relativi alle rigidezze e ai baricentri:

Imp. Reale	Rigidezze			Centro Massa		Centro Rigidezza	
	Rig X [kN/cm]	Rig Y [kN/cm]	Rig. Tors. [kNcm]	X [cm]	Y [cm]	xR [cm]	yR [cm]
1	1135589	377382	5715434732 57	1238.1	183.5	1238.8	171.8
2	5865935	3704566	2105846660 460	1237.0	212.4	1233.0	167.0

L'analisi sismica nella componente orizzontale è basata sulla teoria ed i concetti propri dell'analisi modale.

L'analisi modale consente di determinare le oscillazioni libere della struttura discretizzata.

Tali modi di vibrare sono legati agli autovalori e autovettori del sistema dinamico generalizzato, che può essere riassunto in:

$$[K] \{a\} = \omega^2 [M] \{a\}$$

dove: $[K]$ = matrice di rigidezza globale
 $[M]$ = matrice delle masse globale
 $\{a\}$ = autovettori (forme modali)
 ω^2 = autovalori del sistema generalizzato

La frequenza (f) dei modi di vibrare è calcolata mediante la seguente formula:

$$f = \omega / 2\pi$$

Il periodo (T) è calcolato come:

$$T = 1 / f$$

I "fattori di partecipazione modali" possono essere calcolati mediante la seguente formula:

$$\Gamma_i = \phi_i^T [M] d$$

dove: ϕ_i = autovettori normalizzati relativi al modo i-esimo
 d = vettore di trascinamento (o di direzione di entrata del sisma)

Per ogni direzione del sisma vengono scelti i modi efficaci al raggiungimento del valore imposto dalla normativa (85%).
 Il parametro di riferimento è il "fattore di partecipazione delle masse", la cui formulazione è:

$$\Lambda_{xi} = \Gamma_i^2 / M_{tot}$$

I cinematismi modali vengono calcolati come:

$$u = \phi_i \Gamma_i S_d(T_i) / \omega_i^2$$

dove: $S_d(T_i)$ = ordinata spettro di risposta orizzontale o verticale.
 ω_i^2 = autovalore del modo i-esimo

Gli effetti relativi ai modi di vibrare, vengono combinati utilizzando la combinazione quadratica completa (CQC):

$$E = \sqrt{(\sum_i \sum_j \rho_{ij} E_i E_j)}$$

dove: ρ_{ij} = $(8\xi^2 (1 + \beta_{ij}) \beta_{ij}^{3/2}) / ((1 - \beta_{ij}^2)^2 + 4\xi^2 \beta_{ij} (1 + \beta_{ij}^2) + 8\xi^2 \beta_{ij}^2)$ coefficiente di correlazione tra il modo i-esimo ed il modo j-esimo;
 ξ = coefficiente di smorzamento viscoso;
 β_{ij} = rapporto tra le frequenze di ciascuna coppia di modi (f_i / f_j)
 $E_i E_j$ = effetti considerati in valore assoluto.

La condizione "Torsione Accidentale" contiene il momento torcente generato dalla forza sismica di piano per l'eccentricità calcolata in funzione della dimensione massima dell'ingombro in pianta nella direzione ortogonale a quella considerata.(5%).

I modi di vibrare del calcolo in oggetto sono i seguenti:

SLV-SLC

Modo	Direzione X			Direzione Y		
	f [Hz]	T [s]	Δx %	f [Hz]	T [s]	Δy %
1	4.757	0.210	77.1	2.570	0.389	52.7
2	6.078	0.165	19.6	6.838	0.146	47.2
	Totale Δx ($\geq 85\%$)		96.7	Totale Δy ($\geq 85\%$)		99.9

SLD-SLO

Modo	Direzione X			Direzione Y		
	f [Hz]	T [s]	Δx %	f [Hz]	T [s]	Δy %
1	4.757	0.210	77.1	2.570	0.389	52.7
2	6.078	0.165	19.6	6.838	0.146	47.2
	Totale Δx ($\geq 85\%$)		96.7	Totale Δy ($\geq 85\%$)		99.9

2.3 Condizioni di carico valutate

Dati Condizioni.

Nella seguente tabella vengono riportati i dati per la definizione delle condizioni di carico:

Azione	Tipo	Durata
Car. perm. strutt. (Gk1)	C.Perm. (Gk)	Permanente
Car. perm. non strutt. (Gk2)	C.p. non str. (Gk2)	Permanente
Carichi d'esercizio (Qk)	C. Ese. (Qk)	Lunga
Δt	Carico termico	Breve
Torsione Accidentale X	Azione Sismica	Istantanea
Torsione Accidentale Y	Azione Sismica	Istantanea
Sisma X	Azione Sismica	Istantanea
Sisma Y	Azione Sismica	Istantanea
Sisma Z	Azione Sismica	Istantanea

Coefficienti di combinazione.

Nella seguente tabella vengono riportati i coefficienti di combinazione da normativa, relativi agli stati limite ultimi (SLV) e di danno (SLD):

Impalcato	Destinazione	Altre azioni			Delta termico		
		Ψ_{0i}	Ψ_{1i}	Ψ_{2i}	Ψ_{0i}	Ψ_{1i}	Ψ_{2i}
Fondazione	Categoria E: Biblioteche, archivi, magazzini e ambienti ad uso industriale	1.0	0.9	0.8	0.6	0.5	0.0
Piano 1	Categoria E: Biblioteche, archivi, magazzini e ambienti ad uso industriale	1.0	0.9	0.8	0.6	0.5	0.0
Piano 2	Categoria E: Biblioteche, archivi, magazzini e ambienti ad uso industriale	1.0	0.9	0.8	0.6	0.5	0.0
Piano 3	Categoria E: Biblioteche, archivi, magazzini e ambienti ad uso industriale	1.0	0.9	0.8	0.6	0.5	0.0
Piano 4	Categoria E: Biblioteche, archivi, magazzini e ambienti ad uso industriale	1.0	0.9	0.8	0.6	0.5	0.0
Piano 5	Categoria E: Biblioteche, archivi, magazzini e ambienti ad uso industriale	1.0	0.9	0.8	0.6	0.5	0.0

Per balconi e scale verranno usati i coefficienti calcolati come i maggiori tra quelli relativi alla categoria di carico di piano ed i seguenti:

Cat.	Destinazione	Altre azioni			Delta termico		
		Ψ_{0i}	Ψ_{1i}	Ψ_{2i}	Ψ_{0i}	Ψ_{1i}	Ψ_{2i}
C2	Balconi, ballatoi e scale	0.7	0.7	0.6	0.6	0.5	0.0

Tutte le combinazioni sono da intendersi come somma dell'effetto considerato. Tali combinazioni vengono considerate sovrapponendo i diagrammi secondo la tecnica dell'involuppo.

Combinazioni per le verifiche allo Stato Limite di Salvaguardia della Vita

Le azioni di calcolo presenti sulla struttura e le relative combinazioni di carico nei riguardi degli stati limite di salvaguardia della vita essere riassunte nelle seguenti tabelle:

Elementi della Struttura									
Comb.	Condizione								
	C. perm.(Gk1)	C. p. non str.(Gk2)	C. ese.(Qk)	Delta T(DT)	Tors. acc. X(Mx)	Tors. acc. Y(My)	Sisma X	Sisma Y	Sisma Z
1*	γ_{Gns}	γ_{G2ns}	γ_{Qns}	0	0	0	0	0	0
2*	γ_{Gns}	γ_{G2ns}	γ_{Qns}	$\Psi 0 \gamma_{Qns}$	0	0	0	0	0
3*	γ_{Gns}	γ_{G2ns}	γ_{Qns}	$-\Psi 0 \gamma_{Qns}$	0	0	0	0	0
4*	γ_{Gns}	γ_{G2ns}	$\Psi 0 \gamma_{Qns}$	γ_{Qns}	0	0	0	0	0
5*	γ_{Gns}	γ_{G2ns}	$\Psi 0 \gamma_{Qns}$	$-\gamma_{Qns}$	0	0	0	0	0
6	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	1	0	1	0.30	0
7	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	-1	0	1	0.30	0
8	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	1	0	1	-0.30	0
9	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	-1	0	1	-0.30	0
10	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	1	0	-1	0.30	0
11	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	-1	0	-1	0.30	0
12	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	1	0	-1	-0.30	0
13	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	-1	0	-1	-0.30	0
14	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	0	1	0.30	1	0
15	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	0	-1	0.30	1	0
16	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	0	1	-0.30	1	0
17	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	0	-1	-0.30	1	0
18	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	0	1	0.30	-1	0
19	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	0	-1	0.30	-1	0
20	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	0	1	-0.30	-1	0
21	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	0	-1	-0.30	-1	0

*Combinazione fondamentale (par. 2.5.3, formula 2.5.1)

Elementi di fondazione A1									
Comb.	Condizione								
	C. perm.(Gk1)	C. p. non str.(Gk2)	C. ese.(Qk)	Delta T(DT)	Tors. acc. X(Mx)	Tors. acc. Y(My)	Sisma X	Sisma Y	Sisma Z
1*	γ_{Gns}	γ_{G2ns}	γ_{Qns}	0	0	0	0	0	0
2*	γ_{Gns}	γ_{G2ns}	γ_{Qns}	$\Psi 0 \gamma_{Qns}$	0	0	0	0	0
3*	γ_{Gns}	γ_{G2ns}	γ_{Qns}	$-\Psi 0 \gamma_{Qns}$	0	0	0	0	0
4*	γ_{Gns}	γ_{G2ns}	$\Psi 0 \gamma_{Qns}$	γ_{Qns}	0	0	0	0	0
5*	γ_{Gns}	γ_{G2ns}	$\Psi 0 \gamma_{Qns}$	$-\gamma_{Qns}$	0	0	0	0	0
6	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	1	0	1	0.30	0
7	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	-1	0	1	0.30	0
8	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	1	0	1	-0.30	0
9	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	-1	0	1	-0.30	0
10	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	1	0	-1	0.30	0
11	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	-1	0	-1	0.30	0
12	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	1	0	-1	-0.30	0
13	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	-1	0	-1	-0.30	0
14	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	0	1	0.30	1	0
15	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	0	-1	0.30	1	0
16	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	0	1	-0.30	1	0
17	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	0	-1	-0.30	1	0
18	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	0	1	0.30	-1	0
19	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	0	-1	0.30	-1	0
20	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	0	1	-0.30	-1	0
21	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	0	-1	-0.30	-1	0

*Combinazione fondamentale (par. 2.5.3, formula 2.5.1)

Combinazioni per le verifiche allo Stato Limite di Danno

Le azioni di calcolo presenti sulla struttura e le relative combinazioni di carico nei riguardi degli stati limite di danno possono essere riassunte nelle seguenti tabelle:

Elementi della Struttura									
Comb.	Condizione								
	C. perm.(Gk1)	C. p. non str.(Gk2)	C. ese.(Qk)	Delta T(DT)	Tors. acc. X(Mx)	Tors. acc. Y(My)	Sisma X	Sisma Y	Sisma Z
1	γ_{Gns}	γ_{G2ns}	γ_{Qns}	0	0	0	0	0	0
2	γ_{Gns}	γ_{G2ns}	γ_{Qns}	$\Psi 0 \gamma_{Qns}$	0	0	0	0	0
3	γ_{Gns}	γ_{G2ns}	γ_{Qns}	$-\Psi 0 \gamma_{Qns}$	0	0	0	0	0
4	γ_{Gns}	γ_{G2ns}	$\Psi 0 \gamma_{Qns}$	γ_{Qns}	0	0	0	0	0
5	γ_{Gns}	γ_{G2ns}	$\Psi 0 \gamma_{Qns}$	$-\gamma_{Qns}$	0	0	0	0	0
6	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	1	0	1	0.30	0
7	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	-1	0	1	0.30	0
8	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	1	0	1	-0.30	0
9	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	-1	0	1	-0.30	0
10	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	1	0	-1	0.30	0
11	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	-1	0	-1	0.30	0
12	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	1	0	-1	-0.30	0
13	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	-1	0	-1	-0.30	0
14	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	0	1	0.30	1	0
15	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	0	-1	0.30	1	0
16	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	0	1	-0.30	1	0
17	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	0	-1	-0.30	1	0
18	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	0	1	0.30	-1	0
19	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	0	-1	0.30	-1	0
20	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	0	1	-0.30	-1	0
21	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	0	-1	-0.30	-1	0

Elementi di fondazione A1									
Comb.	Condizione								
	C. perm.(Gk1)	C. p. non str.(Gk2)	C. ese.(Qk)	Delta T(DT)	Tors. acc. X(Mx)	Tors. acc. Y(My)	Sisma X	Sisma Y	Sisma Z
1	γ_{Gns}	γ_{G2ns}	γ_{Qns}	0	0	0	0	0	0
2	γ_{Gns}	γ_{G2ns}	γ_{Qns}	$\Psi 0 \gamma_{Qns}$	0	0	0	0	0
3	γ_{Gns}	γ_{G2ns}	γ_{Qns}	$-\Psi 0 \gamma_{Qns}$	0	0	0	0	0
4	γ_{Gns}	γ_{G2ns}	$\Psi 0 \gamma_{Qns}$	γ_{Qns}	0	0	0	0	0
5	γ_{Gns}	γ_{G2ns}	$\Psi 0 \gamma_{Qns}$	$-\gamma_{Qns}$	0	0	0	0	0
6	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	1	0	1	0.30	0
7	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	-1	0	1	0.30	0
8	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	1	0	1	-0.30	0
9	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	-1	0	1	-0.30	0
10	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	1	0	-1	0.30	0
11	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	-1	0	-1	0.30	0
12	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	1	0	-1	-0.30	0
13	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	-1	0	-1	-0.30	0
14	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	0	1	0.30	1	0
15	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	0	-1	0.30	1	0
16	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	0	1	-0.30	1	0
17	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	0	-1	-0.30	1	0
18	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	0	1	0.30	-1	0
19	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	0	-1	0.30	-1	0
20	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	0	1	-0.30	-1	0
21	γ_{Gs}	γ_{G2s}	$\Psi 2 \gamma_{Qs}$	0	0	-1	-0.30	-1	0

I coefficienti utilizzati assumono i seguenti valori:

ELEMENTO	SLV						SLD					
	γ_{G1ns}	γ_{G2ns}	γ_{Qns}	γ_{G1s}	γ_{G2s}	γ_{Qs}	γ_{G1ns}	γ_{G2ns}	γ_{Qns}	γ_{G1s}	γ_{G2s}	γ_{Qs}
ELEMENTO	1.3	1.5	1.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Fondazione A1	1.3	1.5	1.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Combinazioni per le verifiche allo Stato limite di esercizio

Le azioni di calcolo presenti sulla struttura e le relative combinazioni di carico nei riguardi degli stati limite di esercizio possono essere riassunte nelle seguenti tabelle:

Combinazioni Caratteristiche:

Elementi della Struttura				
Comb.	Condizione			
	C. perm.(Gk1)	C. p. non str.(Gk2)	C. ese.(Qk)	Delta T(DT)
1	γ_{Gns}	γ_{G2ns}	γ_{Qns}	$\Psi 0 \gamma_{Qns}$
2	γ_{Gns}	γ_{G2ns}	γ_{Qns}	$-\Psi 0 \gamma_{Qns}$
3	γ_{Gns}	γ_{G2ns}	$\Psi 0 \gamma_{Qns}$	γ_{Qns}
4	γ_{Gns}	γ_{G2ns}	$\Psi 0 \gamma_{Qns}$	$-\gamma_{Qns}$

Elementi di fondazione A1				
Comb.	Condizione			
	C. perm.(Gk1)	C. p. non str.(Gk2)	C. ese.(Qk)	Delta T(DT)
1	γ_{Gns}	γ_{G2ns}	γ_{Qns}	$\Psi 0 \gamma_{Qns}$
2	γ_{Gns}	γ_{G2ns}	γ_{Qns}	$-\Psi 0 \gamma_{Qns}$
3	γ_{Gns}	γ_{G2ns}	$\Psi 0 \gamma_{Qns}$	γ_{Qns}
4	γ_{Gns}	γ_{G2ns}	$\Psi 0 \gamma_{Qns}$	$-\gamma_{Qns}$

Elementi di fondazione A2				
Comb.	Condizione			
	C. perm.(Gk1)	C. p. non str.(Gk2)	C. ese.(Qk)	Delta T(DT)
1	γ_{Gns}	γ_{G2ns}	γ_{Qns}	$\Psi 0 \gamma_{Qns}$
2	γ_{Gns}	γ_{G2ns}	γ_{Qns}	$-\Psi 0 \gamma_{Qns}$
3	γ_{Gns}	γ_{G2ns}	$\Psi 0 \gamma_{Qns}$	γ_{Qns}
4	γ_{Gns}	γ_{G2ns}	$\Psi 0 \gamma_{Qns}$	$-\gamma_{Qns}$

Combinazioni Frequenti:

Elementi della Struttura				
Comb.	Condizione			
	C. perm.(Gk1)	C. p. non str.(Gk2)	C. ese.(Qk)	Delta T(DT)
1	γ_{Gns}	γ_{G2ns}	$\Psi 1 \gamma_{Qns}$	$\Psi 2 \gamma_{Qns}$
2	γ_{Gns}	γ_{G2ns}	$\Psi 1 \gamma_{Qns}$	$-\Psi 2 \gamma_{Qns}$
3	γ_{Gns}	γ_{G2ns}	$\Psi 2 \gamma_{Qns}$	$\Psi 1 \gamma_{Qns}$
4	γ_{Gns}	γ_{G2ns}	$\Psi 2 \gamma_{Qns}$	$-\Psi 1 \gamma_{Qns}$

Elementi di fondazione A1				
Comb.	Condizione			
	C. perm.(Gk1)	C. p. non str.(Gk2)	C. ese.(Qk)	Delta T(DT)
1	γ_{Gns}	γ_{G2ns}	$\Psi 1 \gamma_{Qns}$	$\Psi 2 \gamma_{Qns}$
2	γ_{Gns}	γ_{G2ns}	$\Psi 1 \gamma_{Qns}$	$-\Psi 2 \gamma_{Qns}$
3	γ_{Gns}	γ_{G2ns}	$\Psi 2 \gamma_{Qns}$	$\Psi 1 \gamma_{Qns}$
4	γ_{Gns}	γ_{G2ns}	$\Psi 2 \gamma_{Qns}$	$-\Psi 1 \gamma_{Qns}$

Elementi di fondazione A2				
Comb.	Condizione			
	C. perm.(Gk1)	C. p. non str.(Gk2)	C. ese.(Qk)	Delta T(DT)
1	γ_{Gns}	γ_{G2ns}	$\Psi 1 \gamma_{Qns}$	$\Psi 2 \gamma_{Qns}$
2	γ_{Gns}	γ_{G2ns}	$\Psi 1 \gamma_{Qns}$	$-\Psi 2 \gamma_{Qns}$
3	γ_{Gns}	γ_{G2ns}	$\Psi 2 \gamma_{Qns}$	$\Psi 1 \gamma_{Qns}$
4	γ_{Gns}	γ_{G2ns}	$\Psi 2 \gamma_{Qns}$	$-\Psi 1 \gamma_{Qns}$

Combinazioni quasi permanenti :

Elementi della Struttura				
Comb.	Condizione			
	C. perm.(Gk1)	C. p. non str.(Gk2)	C. ese.(Qk)	Delta T(DT)
1	γ_{Gns}	γ_{G2ns}	$\Psi 2 \gamma_{Qns}$	$\Psi 2 \gamma_{Qns}$
2	γ_{Gns}	γ_{G2ns}	$\Psi 2 \gamma_{Qns}$	$-\Psi 2 \gamma_{Qns}$

Elementi di fondazione A1				
Comb.	Condizione			
	C. perm.(Gk1)	C. p. non str.(Gk2)	C. ese.(Qk)	Delta T(DT)
1	γ_{Gns}	γ_{G2ns}	$\Psi 2 \gamma_{Qns}$	$\Psi 2 \gamma_{Qns}$
2	γ_{Gns}	γ_{G2ns}	$\Psi 2 \gamma_{Qns}$	$-\Psi 2 \gamma_{Qns}$

Elementi di fondazione A2				
Comb.	Condizione			
	C. perm.(Gk1)	C. p. non str.(Gk2)	C. ese.(Qk)	Delta T(DT)
1	γ_{Gns}	γ_{G2ns}	$\Psi 2 \gamma_{Qns}$	$\Psi 2 \gamma_{Qns}$
2	γ_{Gns}	γ_{G2ns}	$\Psi 2 \gamma_{Qns}$	$-\Psi 2 \gamma_{Qns}$

I coefficienti utilizzati assumono i seguenti valori:

SLE	Caratteristiche					Frequenti					Q. Permanenti				
ELEMENTO	γ_{Gns}	γ_{Qns}	γ_I	γ_{EG}	γ_{EQ}	γ_{Gns}	γ_{Qns}	γ_I	γ_{EG}	γ_{EQ}	γ_{Gns}	γ_{Qns}	γ_I	γ_{EG}	γ_{EQ}
ELEMENTO	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Fondazione A1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Fondazione A2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Tali combinazioni vengono considerate sovrapponendo i diagrammi secondo la tecnica dell'involuppo.

2.4 Procedura di Verifica degli elementi.

2.4.1 Elementi in C.A. .

Le Verifiche relative alle strutture in C.A. si possono riassumere, in funzione degli elementi considerati, nei seguenti tipi:

- Pilastri

Tali elementi vengono verificati utilizzando lo stato sollecitante completo nei riguardi di:

- PressoTensoFlessione Deviata
- Taglio
- Stabilità
- Stato tensionale

- Travi

Tali elementi vengono verificati utilizzando lo stato sollecitante completo nei riguardi di

- PressoTensoFlessione
- Taglio
- Deformabilità
- Stato tensionale
- Fessurazione

- Travi di fondazione

Tali elementi vengono verificati utilizzando lo stato sollecitante completo nei riguardi di

- PressoTensoFlessione
- Taglio
- Stato tensionale
- Fessurazione

Le singole verifiche vengono descritte qui di seguito:

- Presso TensioFlessione Deviata

Le sollecitazioni che vengono considerate in tale verifica sono: Sforzo Normale, Momento Flettente X-Z, Momento Flettente X-Y.

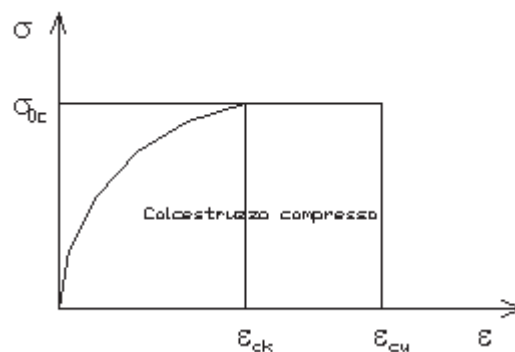
La verifica di resistenza è soddisfatta se la sollecitazione determinata dalla condizione considerata cade all'interno del dominio di sicurezza determinato, attraverso la conoscenza:

- del comportamento meccanico della sezione in esame;
- delle caratteristiche dei materiali di cui è composta;
- dei coefficienti di sicurezza forniti dalla normativa seguita.

Il calcolo è condotto nelle ipotesi che:

1. Le sezioni rimangano piane fino a rottura;
2. Ci sia perfetta aderenza fra acciaio e calcestruzzo;
3. La deformazione massima del calcestruzzo compresso è pari a 0.0035 nel caso di flessione semplice e composta; con asse neutro reale mentre è pari a 0.002 nel caso di compressione semplice;
4. La deformazione massima per l'acciaio teso sia pari a 0.01;
5. Il calcestruzzo non abbia alcuna capacità di resistenza a trazione.

Il diagramma tensioni-deformazioni assunto per il calcestruzzo è di tipo parabola-rettangolo come indicato nella seguente figura:



dove:

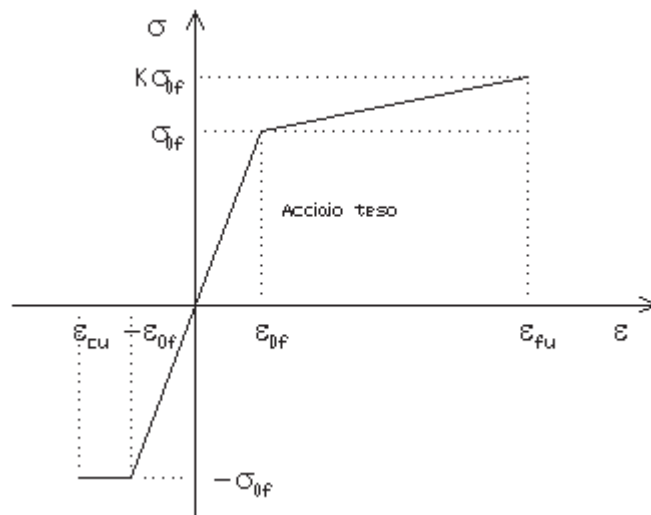
ε_{ck}	= 0.002;
ε_{cu}	= 0.0035;
σ_{0c}	= $0.85 \cdot 0.83 \cdot R_{ck} / \gamma_c$;
R_{ck}	= resistenza caratteristica del calcestruzzo;
$\gamma_{m,c}$	= coefficiente di materiale del calcestruzzo;

Le equazioni che descrivono il diagramma sono:

$$\varepsilon < \varepsilon_{ck} : \sigma(\varepsilon) = 1000 \cdot \sigma_{0c} \cdot \varepsilon \cdot (1 - 250 \cdot \varepsilon);$$

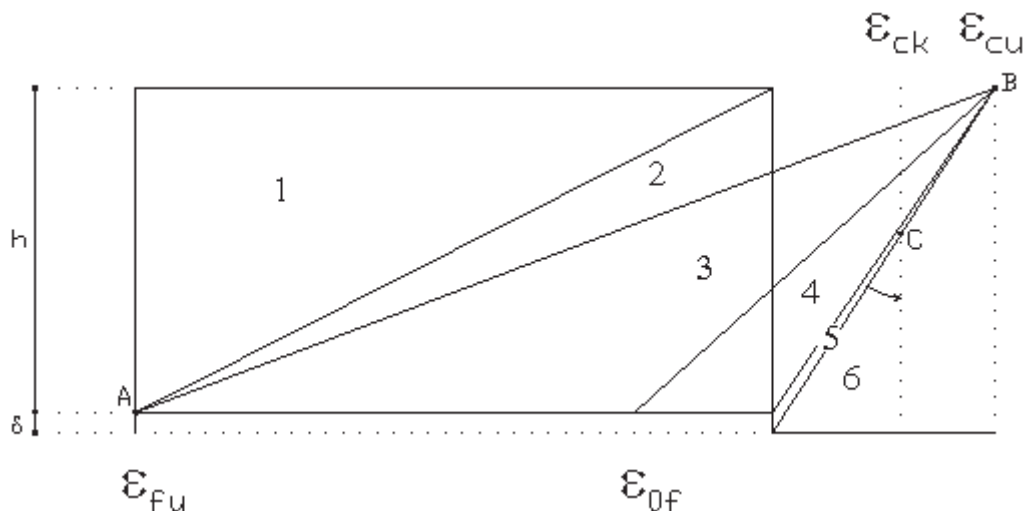
$$\varepsilon_{ck} < \varepsilon < \varepsilon_{cu} : \sigma(\varepsilon) = \sigma_{0c};$$

Il diagramma tensioni-deformazioni assunto per l'acciaio è indicato nella seguente figura:



dove: $\epsilon_{0f} = \sigma_{0f} / E$;
 E = Modulo di elasticità dell'acciaio;
 σ_{0f} = resistenza di calcolo dell'acciaio;
 k = rapporto di sovrarresistenza (se è pari ad 1 il comportamento è bilineare elastico-perfettamente plastico);
 f_{yk} = Resistenza caratteristica dell'acciaio
 γ_m = coefficiente di sicurezza dell'acciaio;
 ϵ_{fu} = deformazione ultima dell'acciaio;
 ϵ_{cu} = deformazione ultima del calcestruzzo;

Le limitazioni delle deformazioni unitarie per il conglomerato e per l'acciaio conducono a definire sei diversi campi (o regioni) nei quali potrà trovarsi la retta di deformazione specifica. Tali campi sono descritti nel seguente modo:



Campo 1 : è caratterizzato dall'allungamento massimo tollerabile per l'acciaio pari a ϵ_{fu} . Il diagramma delle deformazioni specifiche appartiene ad un fascio di rette passanti per il punto (A) mentre la distanza dall'asse neutro potrà variare da $-\infty$ a $0.E'$ il caso di trazione semplice o con piccola eccentricità; la sezione risulta interamente tesa. La crisi si ha per cedimento dell'acciaio teso.

Campo 2 : è caratterizzato dall'allungamento massimo tollerabile per l'acciaio pari a ϵ_{fu} e dalla rotazione del diagramma attorno al punto (A). La deformazione specifica del calcestruzzo varia da 0 al valore massimo del calcestruzzo compresso (ϵ_{cu}) mentre la distanza dell'asse neutro dal lembo compresso può variare da 0 a $0.259h$. La sezione risulterà in parte tesa ed in parte compressa e quindi sarà sollecitata a flessione semplice o composta.

Campo 3 : è caratterizzato dall'accorciamento massimo del conglomerato pari a ϵ_{cu} . Le rette di deformazione appartengono ad un fascio passante per (B). La massima tensione del calcestruzzo in questa regione è pari a quella di rottura di calcolo mentre l'armatura è ancora deformata in campo plastico. La sezione risulterà in parte tesa ed in parte compressa e quindi sarà sollecitata a flessione semplice o composta.

Campo 4 : è caratterizzato dall'accorciamento massimo del conglomerato pari a ϵ_{cu} . Le rette di deformazione appartengono ad un fascio passante per (B). La massima tensione del calcestruzzo in questa regione è pari a quella di rottura di calcolo mentre l'armatura è sollecitata con tensioni inferiori allo snervamento e può risultare anche scarica. La sezione risulterà in parte tesa ed in parte compressa e quindi sarà sollecitata a flessione semplice o composta.

Campo 5 : è caratterizzato dall'accorciamento massimo del conglomerato pari a ϵ_{cu} . Le rette di deformazione appartengono ad un fascio passante per (B) mentre la distanza dell'asse neutro varia da h ad $h+d$. L'armatura in tale regione è sollecitata a compressione e pertanto tutta la sezione è compressa; è questo il caso della flessione composta.

Campo 6 : è caratterizzato dall'accorciamento massimo del conglomerato compresso che varia fra ϵ_{cu} e ϵ_{ck} . Le rette di deformazione specifica appartengono ad un fascio passante per (C) e la distanza dell'asse neutro varia fra 0 e $-\infty$. La distanza di (C) dal lembo superiore vale $3h/7$. La sezione risulta sollecitata a compressione semplice o composta.

- Taglio

Il calcolo del taglio viene eseguito secondo il metodo di Ritter-Morsch.
Per gli elementi in cui è richiesta la verifica a taglio, deve risultare:

$$V_{Sd} \leq \min[V_{Rsd}, V_{Rcd}]$$

dove:

- V_{Sd} : taglio sollecitante il calcolo;
- $V_{Rsd} = 0.9 d (A_{SW} / s) f_{yd} (\text{ctg}\alpha + \text{ctg}\theta) \sin\alpha$;
- $V_{Rcd} = 0.9 d b_w \alpha_c f'_{cd} (\text{ctg}\alpha + \text{ctg}\theta) / (1 + \text{ctg}^2\theta)$;
- d : altezza utile della sezione;
- A_{SW} : area dell'armatura trasversale;
- s : passo dell'armatura trasversale;;
- f_{yd} : resistenza a snervamento dell'acciaio;
- b_w : larghezza minima della sezione lungo l'altezza efficace;

Il contributo delle armature a taglio è somma del contributo delle staffe e degli eventuali sagomati. In ogni caso l'aliquota massima che può essere affidata ai sagomati è il 50% dello sforzo di taglio massimo.

- Stabilità

La verifica di instabilità degli elementi snelli in c.a. viene condotta attraverso un'analisi del secondo ordine che tiene in conto degli effetti flessionali dell'azione assiale sulla configurazione deformata degli elementi stessi.

Si sono assunti legami fra le azioni interne e le deformazioni che mettono in conto il comportamento non lineare dei materiali e si è trascurato il contributo del calcestruzzo teso.

Il valore limite della snellezza per ogni colonna è stato assunto pari a:

$$\lambda_{lim} = 25 / \sqrt{\nu}$$

dove:

- $\nu = N_{ed} / (A_c f_{cd})$
- $C = 1.7 - r_m$
- $r_m = M_{01} / M_{02}$ è il rapporto fra i momenti flettenti del primo ordine alle due estremità del pilastro, positivo se i due momenti sono discordi sulla trave ($|M_{02}| \geq |M_{01}|$).

La snellezza della colonna da confrontare con λ_{lim} è pari a:

$$\lambda = \lambda_0 / i$$

λ_0 è la lunghezza libera d'inflessione definita in base ai vincoli di estremità ed i il raggio d'inerzia della sezioni in calcestruzzo non fessurato.

Con riferimento al punto 4.1.2.3.9.3 del D.M. 17/01/2018 in aggiunta al momento sollecitante esterno viene sommata un'aliquota dovuta ad un'eccentricità dello sforzo normale pari a $1/300$ dell'altezza della colonna (difetto di rettilineità).
In aggiunta viene considerata un'aliquota aggiuntiva che tenga conto dell'inflessione della colonna pari a $e_2 := 0.222 e_{fy} l_0^2/h$.

- Stato tensionale

Tale verifica rientra nell'ambito della verifica di esercizio. Il calcolo delle tensioni si ottiene sfruttando le ipotesi tradizionali per il calcolo del cemento armato ordinario, e cioè:

1. assunzione dei materiali elastico lineari;
2. conservazione delle sezioni piane al crescere dei carichi;
3. perfetta aderenza tra acciaio e calcestruzzo;
4. resistenza nulla a trazione del calcestruzzo;

Inoltre può essere stabilito un coefficiente di omogeneizzazione diverso dal valore ordinario.

Le tensioni di esercizio si possono calcolare considerando le combinazioni di carico caratteristica, frequente e quasi permanente.

La verifica consiste nel confrontare le tensioni di calcolo con quelle limite dei materiali.

- Fessurazione

Poiché la fessurazione in strutture in cemento armato ordinario è quasi inevitabile, bisogna limitare tali entità in modo da non pregiudicare il corretto funzionamento della struttura.

La fessurazione può essere limitata assicurando un minimo di area di armatura longitudinale che può essere calcolata dalla seguente espressione:

$$A_s = k_c k f_{ct,eff} (A_{ct} / \sigma_s)$$

dove:

- A_s : area di armatura nella zona tesa;
- k_c : coefficiente che tiene conto del tipo di distribuzione delle tensioni nella sezione subito prima la fessurazione. Assume valore 0.4 per flessione senza compressione assiale, e 1 per trazione;
- k : coefficiente che tiene conto degli effetti di tensioni auto-equilibrate non uniformi;
- $f_{ct,eff}$: resistenza efficace a trazione della sezione al momento in cui si suppone insorgano le prime fessure. In mancanza di dati si utilizza il valore di 3 N/mm²;
- A_{ct} : area del calcestruzzo in zona tesa subito prima della fessurazione;
- σ_s : massima tensione ammessa nell'armatura subito dopo la formazione della fessura.

Il calcolo delle ampiezze delle fessure si effettua considerando anche la parte di calcestruzzo reagente a trazione utilizzando la seguente espressione:

$$W_k = \beta s_{rm} \varepsilon_{sm}$$

- W_k : ampiezza di calcolo delle fessure;
- β : coefficiente di correlazione tra l'ampiezza media delle fessure e il valore di calcolo;
- s_{rm} : distanza media finale tra le fessure;
- ε_{sm} : deformazione che tiene conto, nella combinazione di carico considerata, degli effetti "tension stiffening", del ritiro;

La quantità ε_{sm} si ottiene dalla seguente espressione:

$$\varepsilon_{sm} = (\sigma_s / E_s) [1 - \beta_1 \beta_2 (\sigma_{sr} / \sigma_s)^2]$$

dove:

- σ_s : tensione dell'acciaio teso calcolata a sezione fessurata;
- E_s : modulo elastico dell'acciaio;
- σ_{sr} : tensione dell'acciaio teso calcolata nella sezione per una condizione di carico che induce alla prima fessurazione;
- β_1 : coefficiente di aderenza delle barre. Assume valore 0.5 per barre lisce e 1 per barre ad aderenza migliorata;
- β_2 : coefficiente di durata dei carichi. Assume valore 0.5 per carichi di lunga durata o per molti cicli ripetuti e 1 per un singolo carico di breve durata.

La quantità s_{rm} si ottiene dalla seguente espressione:

$$s_{rm} = 50 + 0.25 k_1 k_2 (\phi / \rho_r)$$

dove:

k_1 : coefficiente di aderenza delle barre. Assume valore 1.6 per barre lisce e 0.8 per barre ad aderenza migliorata;

k_2 : coefficiente che tiene conto della forma del diagramma delle deformazioni. Assume valore 0.5 per flessione e 1 per trazione pura;

ϕ : diametro delle barre in mm. Se si utilizzano più diametri si utilizza il diametro medio.

La fessurazione causata dalle azioni tangenziali si considera contenuta in limiti accettabili se si adotta un passo delle staffe. Tale verifica non è necessaria in elementi in cui non è richiesta l'armatura a taglio.

- Verifiche a deformabilità

Per il calcolo della deformabilità di elementi inflessi si utilizza il metodo che pesa le curvature nelle due situazioni caratteristiche degli elementi in c.a. ("I" sezione integra; "II" sezione fessurata). A tale riguardo la curvatura in una generica sezione può essere valutata con la seguente relazione:

$$\theta = (1-\zeta) \theta_I + \zeta \theta_{II}$$

dove ζ rappresenta l'effetto irrigidente del calcestruzzo tra due fessure consecutive (tension stiffening):

$$\zeta = 1 - c(M_{cr}/M)^2$$

dove:

c : pari a 1 per carichi permanenti;

M_{cr} : momento di prima fessurazione;

M : momento sollecitante.

Per calcolare la freccia di un elemento, si divide in "n" conci uguali e si calcola la curvatura di ogni concio riferita alla coordinata x_i . La freccia relativa alla sezione x_j è pari a:

$$\delta_j = \varphi_A x_j - \sum (x_j - x_i) \theta_i \Delta x$$

dove:

φ_A : rotazione dell'estremo iniziale dell'elemento;

l : lunghezza dell'elemento;

Δx : lunghezza del concio;

θ_i : curvatura relativa al concio.

- Particolari prescrizioni per pareti non dissipative

Le pareti non dissipative sono state progettate utilizzando le sollecitazioni relative allo spettro elastico ($q = 1$).

- Particolari prescrizioni per distribuzione irregolare di tamponamenti ed impianti

Nel caso di distribuzione fortemente irregolare in altezza di tamponamenti ed impianti, deve essere considerata la possibilità di forti concentrazioni di danno ai livelli caratterizzati da significativa riduzione del numero di tali elementi.

Questo requisito si intende soddisfatto incrementando le azioni di calcolo per gli elementi verticali (pilastri e pareti) dei livelli con riduzione dei tamponamenti come descritto nel paragrafo 7.2.3 delle N.T.C. I fattori di sovrarresistenza utilizzati nel presente calcolo sono:

Impalcato	Fatt. Sovr.
1	1.00
2	1.00
3	1.00
4	1.00
5	1.00

- Operazioni per il controllo della duttilità (DUT) richiesta dagli elementi in c.a

Nel caso di comportamento strutturale dissipativo il comportamento sismico della struttura è largamente dipendente dal comportamento delle sue zone dissipative, esse devono formarsi ove previsto e mantenere, in presenza di azioni cicliche, la capacità di trasmettere le necessarie sollecitazioni e di dissipare energia, garantendo la capacità in duttilità relativa alla classe di duttilità scelta.

I dettagli costruttivi delle zone dissipative e delle connessioni tra queste zone e le restanti parti della struttura, nonché dei diversi elementi strutturali tra loro, sono fondamentali per un corretto comportamento sismico e devono essere esaurientemente specificati negli elaborati di progetto.

Nel caso di analisi lineare la verifica di duttilità si può ritenere soddisfatta, rispettando per tutti gli elementi strutturali, sia primari sia secondari, le regole specifiche per i dettagli costruttivi precisate dalle norme per le diverse tipologie costruttive.

3 Dati

3.1 Dati Generali

Numero Impalcati : 5
Numero delle tipologie di sezioni trasversali usate : 0
Numero delle tipologie di solaio utilizzate : 0

Impalcato	Quota assoluta min [cm]	Quota assoluta max [cm]	Quota relativa min [cm]	Quota relativa max [cm]	Numero Colonne	Numero Travi
Fondazione	0.00	0.00	0.00	0.00	0	0
Piano 1	0.00	105.00	105.00	105.00	0	0
Piano 2	105.00	195.00	90.00	90.00	0	0
Piano 3	195.00	285.00	90.00	90.00	0	0
Piano 4	285.00	345.00	60.00	60.00	0	0
Piano 5	345.00	375.00	30.00	30.00	0	0

Coordinate (Datum WGS84) del sito : Latitudine = 39.3987° - Longitudine = 16.1574°
Coordinate (Datum ED50) del sito : Latitudine = 39.3997° - Longitudine = 16.1582°



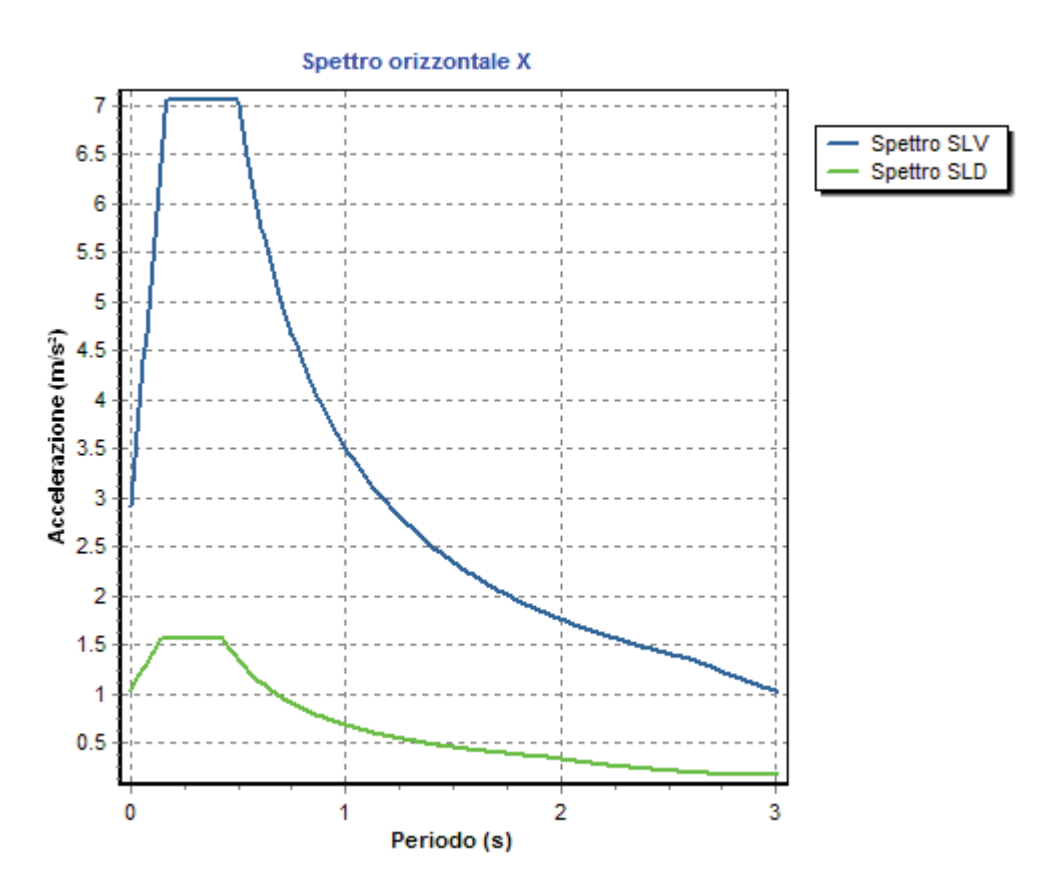
Identificativi e coordinate (Datum ED50) dei punti che includono il sito		
Numero punto	Latitudine [°]	Longitudine [°]
39446	39.4033	16.1407
39447	39.4017	16.2053
39668	39.3533	16.1387
39669	39.3517	16.2032

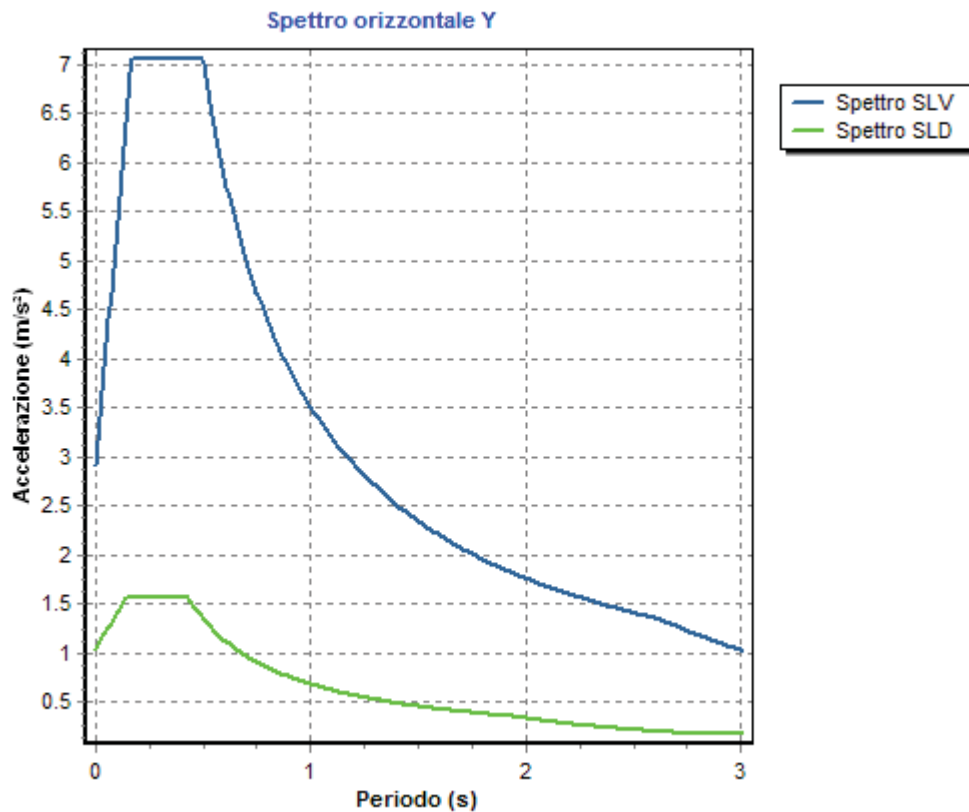
Zona sismica : SI
Suolo di fondazione : B
Vita nominale : 50
Classe di duttilità: Non dissipativa

Tipo di opera : Opere ordinarie
 Classe d'uso : II
 Vita di riferimento : 50
 Categoria topografica : T1
 Coefficiente smorzamento viscoso : 0.05

	Parametri dello spettro di risposta orizzontale							
	SLV	SLC	SLD	SLO				
Tempo di ritorno	475	975	50	30				
Accelerazione sismica	0.258	0.348	0.088	0.066				
Coefficiente F_0	2.427	2.465	2.275	2.298				
Periodo T_C^*	0.370	0.393	0.308	0.283				
Coefficiente S_s	1.15	1.06	1.20	1.20				
Coefficiente di amplificazione topografica S_t	1.00	1.00	1.00	1.00				
Prodotto $S_s \cdot S_t$	1.15	1.06	1.20	1.20				
Periodo T_B	0.17	0.17	0.14	0.13				
Periodo T_C	0.50	0.52	0.43	0.40				
Periodo T_D	2.63	2.99	1.95	1.86				
	x	y	x	y	x	y	x	y
Coefficiente η	1.000	1.000	1.000	1.000	*	*	*	*

* η pari a 1 per gli spostamenti e 2/3 per le sollecitazioni.





- FATTORI DI COMPORTAMENTO -

Fattore di comportamento direzione x (qx)	: 1.00
Fattore di comportamento direzione y (qy)	: 1.00
Fattore di comportamento direzione z (qz)	: 1.50

Modulo di Winkler traslazionale	: 5.00 daN/cm³
Modulo di Winkler tangenziale	: 2.50 daN/cm³
Delta Termico aste di elevazione	: 15
Delta Termico aste di fondazione	: 0
Modulo di omogeneizzazione (per SLE)	: 15
Classe di servizio per le strutture in legno	: 1

Coeff. di riduzione per rigidità fessurata:

SLV-SLC

Pilastrini

Assiale	: 1.00
Flessione	: 1.00
Taglio	: 1.00

Travi

Assiale	: 1.00
Flessione	: 1.00
Taglio	: 1.00

Pareti

Nel Piano	: 1.00
Fuori Piano	: 1.00

Platee

Nel Piano	: 1.00
Fuori Piano	: 1.00

SLD-SLO

Pilastrini

Assiale	: 1.00
Flessione	: 1.00

	Taglio	: 1.00
Travi	Assiale	: 1.00
	Flessione	: 1.00
	Taglio	: 1.00
Pareti	Nel Piano	: 1.00
	Fuori Piano	: 1.00
Platee	Nel Piano	: 1.00
	Fuori Piano	: 1.00
Delta termico		
Slv		: 0.50
Sle		: 0.50

Copriferro Piastre di Fondazione : Vedi Verifiche Piastre
 Copriferro Piastre di Elevazione : Vedi Verifiche Piastre

3.2 Elenco e Caratteristiche dei materiali.

Nell'ambito del progetto si è fatto uso dei seguenti materiali divisi per categoria di appartenenza:

a - Calcestruzzo

Nom e	Classe	Rck [daN/c m²]	v	ps [daN/c m³]	αt [1/°C]	Ec [daN/c m²]	FC	γm,c	Ect/Ec	fck [daN/cm²]	fcm [daN/c m²]	fed SLU [daN/c m²]	fctd SLU [daN/c m²]	fcd SLD [daN/c m²]	fctd SLD [daN/c m²]	fctk,0.05 [daN/c m²]	fctm [daN/c m²]	εsc2 [%]	εcu2 [%]
Cls1	C25/30	300	0.15	2500	1.0E-005	314758.1	-	1.50	0.50	250.0	-	141.7	12.0	212.5	18.0	18.0	25.6	2.00	3.50
Cls2	C25/30	300	0.15	2500	1.0E-005	314758.1	-	1.50	0.50	250.0	-	141.7	12.0	212.5	18.0	18.0	25.6	2.00	3.50

b - Acciaio per C.A.

Nome	Tipo	γm	FC	Es [daN/cm²]	fyk [daN/cm²]	ftk [daN/cm²]	fd SLU [daN/cm²]	fd SLD [daN/cm²]	fd SLE [daN/cm²]	k	εud [%]
Barre1	B450C	1.15	-	2100000.0	4500.0	5400.0	3913.0	4500.0	3913.0	1.00	10.00

3.3 Elenco e caratteristiche delle colonne stratigrafiche.

Nell'ambito del progetto si è fatto uso delle seguenti colonne stratigrafiche:

Caratteristiche delle colonne stratigrafiche:

Colonna : nome della colonna stratigrafica;
 Filo : filo fisso al quale appartiene la colonna stratigrafica;
 Impalcato : Impalcato al quale appartiene la colonna stratigrafica;
 Falda : Presenza della falda;
 Prof. Falda : Profondità della falda (se è presente);
 Spicc. Fond. : Quota dell'estradosso della fondazione rispetto al piano campagna;
 No. Strati : Numero degli strati della colonna stratigrafica.
 RQD : (Rock Quality Designation) grado di fratturazione dell'ammasso roccioso in [0-1]

Filo	Colonna	Impalcato	Falda	Prof. Falda [cm]	Spicc. Fond. [cm]	No. Strati	RQD
11	Colonna 1	Fondazione	Non Presente	-	-150.00	6	-
12	Colonna 1	Fondazione	Non Presente	-	-150.00	6	-
13	Colonna 1	Fondazione	Non Presente	-	-150.00	6	-
14	Colonna 1	Fondazione	Non Presente	-	-150.00	6	-
15	Colonna 1	Fondazione	Non Presente	-	-150.00	6	-
16	Colonna 1	Fondazione	Non Presente	-	-150.00	6	-

17	Colonna 1	Fondazione	Non Presente	-	-150.00	6	-
18	Colonna 1	Fondazione	Non Presente	-	-150.00	6	-
19	Colonna 1	Fondazione	Non Presente	-	-150.00	6	-
20	Colonna 1	Fondazione	Non Presente	-	-150.00	6	-
21	Colonna 1	Fondazione	Non Presente	-	-150.00	6	-
30	Colonna 1	Fondazione	Non Presente	-	-150.00	6	-
31	Colonna 1	Fondazione	Non Presente	-	-150.00	6	-
40	Colonna 1	Fondazione	Non Presente	-	-150.00	6	-
41	Colonna 1	Fondazione	Non Presente	-	-150.00	6	-
50	Colonna 1	Fondazione	Non Presente	-	-150.00	6	-
51	Colonna 1	Fondazione	Non Presente	-	-150.00	6	-
52	Colonna 1	Fondazione	Non Presente	-	-150.00	6	-
53	Colonna 1	Fondazione	Non Presente	-	-150.00	6	-
54	Colonna 1	Fondazione	Non Presente	-	-150.00	6	-
55	Colonna 1	Fondazione	Non Presente	-	-150.00	6	-
56	Colonna 1	Fondazione	Non Presente	-	-150.00	6	-
58	Colonna 1	Fondazione	Non Presente	-	-150.00	6	-
60	Colonna 1	Fondazione	Non Presente	-	-150.00	6	-

Caratteristiche degli strati appartenenti alle colonne stratigrafiche:

Colonna	: nome della colonna stratigrafica;
Strato	: nome dello strato appartenente la colonna stratigrafica;
Spess.	: Spessore dello strato;
Peso	: Peso dell'unità di volume dello strato;
Peso eff.	: Peso dell'unità di volume efficace dello strato;
NSPT	: Numero di colpi medio misurato nello strato;
Qc	: Resistenza alla punta media misurata nello strato;
ϕ	: Angolo di attrito del terreno;
C	: Coesione drenata del terreno;
Cu	: Coesione non drenata del terreno;
E	: Modulo elastico del terreno;
G	: Modulo di taglio del terreno;
ν_t	: Coefficiente di Poisson;
E _{ed}	: Modulo Edometrico;
OCR	: Grado di sovraconsolidazione del terreno.

Colonna	Strato	Spess. [cm]	Peso [daN/m ³]	Peso eff. [daN/m ³]	NSPT	Qc [daN/cm ²]	ϕ [°]	C [daN/cm ²]	Cu [daN/cm ²]	E [daN/cm ²]	G [daN/cm ²]	ν_t	E _{ed} [daN/cm ²]	OC R
Colonna 1	Coltre superficiale-	120.0	1476.0	1899.0	12	-	22.0	0.00	0.00	154.20	56.10	0.37	86.00	1.00
	Limo sabbioso	120.0	1368.0	1833.0	4	-	22.0	0.00	0.00	142.76	322.76	0.37	27.00	1.00
	Sabbia e limo	390.0	1408.0	1857.0	7	-	25.0	0.00	0.00	183.55	503.96	0.37	48.00	1.00
	Limo sabbioso	120.0	1450.0	1817.0	2	-	21.0	0.00	0.00	91.77	187.10	0.37	13.00	1.00
	Sabbia ghiaiosa	1850.0	1550.0	1945.0	19	-	28.0	0.00	0.00	305.91	1090.94	0.42	132.00	1.00
	Arenaria	600.0	1900.0	2200.0	20	-	30.0	0.00	0.00	316.11	1151.86	0.37	142.00	1.00

3.4 Elenco dei carichi.

3.4.1 Pesi propri unitari - G1.

Impalcato	Solai [daN/m ²]	Balconi [daN/m ²]	Scale [daN/m ²]
Fondazione	-	-	-
Piano 1	-	-	-
Piano 2	-	-	-
Piano 3	-	-	-
Piano 4	-	-	-
Piano 5	-	-	-

- Analisi dei Carichi -

3.4.2 Carichi Permanenti unitari - G2.

Impalcato	Solai [daN/m ²]	Balconi [daN/m ²]	Scale [daN/m ²]	Influenza Tramezzi [daN/m ²]	Tamponature [daN/m]
Fondazione	330	330	330	0	136
Piano 1	60	60	60	0	136
Piano 2	60	60	60	0	136
Piano 3	60	60	60	0	136
Piano 4	60	60	60	0	582
Piano 5	150	150	150	0	0

- Analisi dei Carichi -

Fondazione
Piano 1
Piano 2
Piano 3
Piano 4
Piano 5

3.4.3 Carichi Variabili unitari - Q.

Le intensità assunte per i carichi variabili verticali ripartiti sono riportate nella seguente tabella:

Impalcato	Carichi d'esercizio [daN/m ²]		
	Solai	Balconi	Scale
Fondazione	250	400	400
Piano 1	250	400	400
Piano 2	250	400	400
Piano 3	250	400	400
Piano 4	250	400	400
Piano 5	250	400	400

3.4.4 Pesì Impalcati.

Ai fini della valutazione dei pesi "W" a livello dei vari impalcati, si tiene conto dei carichi di tipo G1 relativi agli elementi strutturali e dei carichi di tipo G2 relativi agli elementi non strutturali sommati ai sovraccarichi d'esercizio Q_k moltiplicati per una aliquota Ψ_{2i} (determinata dalla destinazione d'uso dell'opera ai vari piani

$$W_i = G1_i + G2_i + \Psi_{2i} \cdot Q_{ki}$$

Dove il pedice "i" è il piano i-esimo della struttura.

Impalcato	Destinazione	Ψ _{2i}
Fondazione	Categoria E: Biblioteche, archivi, magazzini e ambienti ad uso industriale	0.8
Piano 1	Categoria E: Biblioteche, archivi, magazzini e ambienti ad uso industriale	0.8
Piano 2	Categoria E: Biblioteche, archivi, magazzini e ambienti ad uso industriale	0.8
Piano 3	Categoria E: Biblioteche, archivi, magazzini e ambienti ad uso industriale	0.8
Piano 4	Categoria E: Biblioteche, archivi, magazzini e ambienti ad uso industriale	0.8
Piano 5	Categoria E: Biblioteche, archivi, magazzini e ambienti ad uso industriale	0.8

Per balconi e scale verranno usati i coefficienti calcolati come i maggiori tra quelli relativi alla categoria di carico di piano ed i seguenti:

Cat.	Destinazione	Ψ_{2i}
C2	Balconi, ballatoi e scale	0.6

Imp. Reale	G1 [daN]	G2 [daN]	$\Psi_2 \cdot Q_k$ [daN]	W (SLV-SLD) [daN]
0	253425.67	11927.45	28222.50	293575.62
1	112222.92	7043.65	22837.50	142104.08
2	68375.41	17093.65	24058.20	109527.26

3.5 Elenco e Caratteristiche delle sezioni trasversali.

3.6 Geometria Struttura.

3.6.1 Fili Fissi.

Numero : numerazione del filo fisso.

Ascissa : coordinata X del filo fisso.

Ordinata : coordinata Y del filo fisso.

Angolo : angolo del filo fisso (in gradi);

Tipo : tipo del filo fisso.

Numero	Ascissa [cm]	Ordinata [cm]	Quota [cm]	Angolo [°]	Tipo
1	117.00	500.00	0.00	0.00	4
2	377.00	500.00	0.00	0.00	5
3	620.00	500.00	0.00	0.00	5
4	870.00	500.00	0.00	0.00	5
5	1120.00	500.00	0.00	0.00	5
6	1359.00	500.00	0.00	0.00	5
7	1609.00	500.00	0.00	0.00	5
8	1859.00	500.00	0.00	0.00	5
9	2100.00	500.00	0.00	0.00	5
10	2360.00	500.00	0.00	0.00	6
11	117.00	375.00	0.00	0.00	4
12	377.00	375.00	0.00	0.00	5
13	620.00	375.00	0.00	0.00	5
14	870.00	375.00	0.00	0.00	5
15	1120.00	375.00	0.00	0.00	5
16	1359.00	375.00	0.00	0.00	5
17	1609.00	375.00	0.00	0.00	5
18	1859.00	375.00	0.00	0.00	5
19	2100.00	375.00	0.00	0.00	5
20	2360.00	375.00	0.00	0.00	6
21	117.00	282.50	0.00	0.00	4
22	377.00	282.50	0.00	0.00	5
23	620.00	282.50	0.00	0.00	5
24	870.00	282.50	0.00	0.00	5
25	1120.00	282.50	0.00	0.00	5
26	1359.00	282.50	0.00	0.00	5
27	1609.00	282.50	0.00	0.00	5
28	1859.00	282.50	0.00	0.00	5
29	2100.00	282.50	0.00	0.00	5
30	2360.00	282.50	0.00	0.00	6
31	117.00	192.50	0.00	0.00	4
32	377.00	192.50	0.00	0.00	5
33	620.00	192.50	0.00	0.00	5
34	870.00	192.50	0.00	0.00	5
35	1120.00	192.50	0.00	0.00	5
36	1359.00	192.50	0.00	0.00	5
37	1609.00	192.50	0.00	0.00	5
38	1859.00	192.50	0.00	0.00	5
39	2100.00	192.50	0.00	0.00	5
40	2360.00	192.50	0.00	0.00	6

41	117.00	102.50	0.00	0.00	4
42	377.00	102.50	0.00	0.00	5
43	620.00	102.50	0.00	0.00	5
44	870.00	102.50	0.00	0.00	5
45	1120.00	102.50	0.00	0.00	5
46	1359.00	102.50	0.00	0.00	5
47	1609.00	102.50	0.00	0.00	5
48	1859.00	102.50	0.00	0.00	5
49	2100.00	102.50	0.00	0.00	5
50	2360.00	102.50	0.00	0.00	6
51	117.00	0.00	0.00	0.00	7
52	377.00	0.00	0.00	0.00	8
53	620.00	0.00	0.00	0.00	8
54	870.00	0.00	0.00	0.00	8
55	1120.00	0.00	0.00	0.00	8
56	1359.00	0.00	0.00	0.00	8
57	1609.00	0.00	0.00	0.00	8
58	1859.00	0.00	0.00	0.00	8
59	2100.00	0.00	0.00	0.00	8
60	2360.00	0.00	0.00	0.00	9

3.6.2 Caratteristiche dei nodi.

I dati seguenti riportano tutte le caratteristiche relative ai nodi che definiscono la struttura ed in modo particolare:

Nodo : numerazione interna del nodo.
 Coordinate : coordinate del nodo secondo il sistema di riferimento globale cartesiano.
 Imp. : impalcato di appartenenza del nodo.
 Slave : nodo dipendente da un nodo MASTER definito nella tabella specifica;
 Vincoli : eventuali vincoli esterni del nodo in ognuna delle 6 direzioni:
 x : direzione X rispetto al sistema di riferimento globale;
 y : direzione Y rispetto al sistema di riferimento globale;
 z : direzione Z rispetto al sistema di riferimento globale;
 Rx : rotazione attorno all'asse X del sistema di riferimento globale;
 Ry : rotazione attorno all'asse Y del sistema di riferimento globale;
 Rz : rotazione attorno all'asse Z del sistema di riferimento globale;

Inoltre:

np : non presenza di vincoli;
 p : valore infinito della rigidità;
 Kt : valore finito delle rigidità traslazionali da leggere nella tabella specifica;
 Kr : valore finito delle rigidità rotazionali da leggere nella tabella specifica;

Masse Nodali:

M : valore della massa traslazionale
 MIx : valore del momento d'inerzia della massa attorno all'asse X
 MIy : valore del momento d'inerzia della massa attorno all'asse Y
 MIz : valore del momento d'inerzia della massa attorno all'asse Z

Nodo	Coordinate [cm]			Impalcato	Slave	Vincoli						Masse Nodali			
	x	y	z			x	y	z	Rx	Ry	Rz	M [daNM]	MIx [daNM*cm²]	MIy [daNM*cm²]	MIz [daNM*cm²]
1	117.0	375.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
2	377.0	375.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
3	620.0	375.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
4	870.0	375.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
5	1120.0	375.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
6	1359.0	375.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
7	1609.0	375.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
8	1859.0	375.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
9	2100.0	375.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
10	2360.0	375.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00

	0														
11	117.0	282.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
12	377.0	282.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
13	620.0	282.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
14	870.0	282.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
15	1120.0	282.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
16	1359.0	282.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
17	1609.0	282.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
18	1859.0	282.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
19	2100.0	282.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
20	2360.0	282.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
21	117.0	192.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
22	377.0	192.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
23	620.0	192.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
24	870.0	192.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
25	1120.0	192.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
26	1359.0	192.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
27	1609.0	192.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
28	1859.0	192.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
29	2100.0	192.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
30	2360.0	192.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
31	117.0	102.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
32	377.0	102.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
33	620.0	102.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
34	870.0	102.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
35	1120.0	102.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
36	1359.0	102.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
37	1609.0	102.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
38	1859.0	102.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
39	2100.0	102.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
40	2360.0	102.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
41	117.0	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
42	377.0	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
43	620.0	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
44	870.0	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
45	1120.0	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
46	1359.0	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
47	1609.0	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
48	1859.0	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
49	2100.0	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
50	2360.0	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
51	117.0	375.0	105.0	Piano 1	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
52	377.0	375.0	105.0	Piano 1	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
53	620.0	375.0	105.0	Piano 1	M3	np	np	np	np	np	np	0.00	0.00	0.00	0.00
54	870.0	375.0	105.0	Piano 1	M3	np	np	np	np	np	np	0.00	0.00	0.00	0.00
55	1120.0	375.0	105.0	Piano 1	M3	np	np	np	np	np	np	0.00	0.00	0.00	0.00
56	1359.0	375.0	105.0	Piano 1	M4	np	np	np	np	np	np	0.00	0.00	0.00	0.00
57	1609.0	375.0	105.0	Piano 1	M4	np	np	np	np	np	np	0.00	0.00	0.00	0.00

	0														
58	1859. 0	375.0	105.0	Piano 1	M4	np	np	np	np	np	np	0.00	0.00	0.00	0.00
59	2100. 0	375.0	105.0	Piano 1	M5	np	np	np	np	np	np	0.00	0.00	0.00	0.00
60	2360. 0	375.0	105.0	Piano 1	M5	np	np	np	np	np	np	0.00	0.00	0.00	0.00
61	117.0	282.5	105.0	Piano 1	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
62	377.0	282.5	105.0	Piano 1	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
63	620.0	282.5	105.0	Piano 1	M3	np	np	np	np	np	np	0.00	0.00	0.00	0.00
64	870.0	282.5	105.0	Piano 1	M3	np	np	np	np	np	np	0.00	0.00	0.00	0.00
65	1120. 0	282.5	105.0	Piano 1	M3	np	np	np	np	np	np	0.00	0.00	0.00	0.00
66	1359. 0	282.5	105.0	Piano 1	M4	np	np	np	np	np	np	0.00	0.00	0.00	0.00
67	1609. 0	282.5	105.0	Piano 1	M4	np	np	np	np	np	np	0.00	0.00	0.00	0.00
68	1859. 0	282.5	105.0	Piano 1	M4	np	np	np	np	np	np	0.00	0.00	0.00	0.00
69	2100. 0	282.5	105.0	Piano 1	M5	np	np	np	np	np	np	0.00	0.00	0.00	0.00
70	2360. 0	282.5	105.0	Piano 1	M5	np	np	np	np	np	np	0.00	0.00	0.00	0.00
71	117.0	192.5	105.0	Piano 1	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
72	377.0	192.5	105.0	Piano 1	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
73	620.0	192.5	105.0	Piano 1	M3	np	np	np	np	np	np	0.00	0.00	0.00	0.00
74	870.0	192.5	105.0	Piano 1	M3	np	np	np	np	np	np	0.00	0.00	0.00	0.00
75	1120. 0	192.5	105.0	Piano 1	M3	np	np	np	np	np	np	0.00	0.00	0.00	0.00
76	1359. 0	192.5	105.0	Piano 1	M4	np	np	np	np	np	np	0.00	0.00	0.00	0.00
77	1609. 0	192.5	105.0	Piano 1	M4	np	np	np	np	np	np	0.00	0.00	0.00	0.00
78	1859. 0	192.5	105.0	Piano 1	M4	np	np	np	np	np	np	0.00	0.00	0.00	0.00
79	2100. 0	192.5	105.0	Piano 1	M5	np	np	np	np	np	np	0.00	0.00	0.00	0.00
80	2360. 0	192.5	105.0	Piano 1	M5	np	np	np	np	np	np	0.00	0.00	0.00	0.00
81	117.0	102.5	105.0	Piano 1	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
82	377.0	102.5	105.0	Piano 1	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
83	620.0	102.5	105.0	Piano 1	M3	np	np	np	np	np	np	0.00	0.00	0.00	0.00
84	870.0	102.5	105.0	Piano 1	M3	np	np	np	np	np	np	0.00	0.00	0.00	0.00
85	1120. 0	102.5	105.0	Piano 1	M3	np	np	np	np	np	np	0.00	0.00	0.00	0.00
86	1359. 0	102.5	105.0	Piano 1	M4	np	np	np	np	np	np	0.00	0.00	0.00	0.00
87	1609. 0	102.5	105.0	Piano 1	M4	np	np	np	np	np	np	0.00	0.00	0.00	0.00
88	1859. 0	102.5	105.0	Piano 1	M4	np	np	np	np	np	np	0.00	0.00	0.00	0.00
89	2100. 0	102.5	105.0	Piano 1	M5	np	np	np	np	np	np	0.00	0.00	0.00	0.00
90	2360. 0	102.5	105.0	Piano 1	M5	np	np	np	np	np	np	0.00	0.00	0.00	0.00
91	117.0	0.0	105.0	Piano 1	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
92	377.0	0.0	105.0	Piano 1	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
93	620.0	0.0	105.0	Piano 1	M3	np	np	np	np	np	np	0.00	0.00	0.00	0.00
94	870.0	0.0	105.0	Piano 1	M3	np	np	np	np	np	np	0.00	0.00	0.00	0.00
95	1120. 0	0.0	105.0	Piano 1	M3	np	np	np	np	np	np	0.00	0.00	0.00	0.00
96	1359. 0	0.0	105.0	Piano 1	M4	np	np	np	np	np	np	0.00	0.00	0.00	0.00
97	1609. 0	0.0	105.0	Piano 1	M4	np	np	np	np	np	np	0.00	0.00	0.00	0.00
98	1859. 0	0.0	105.0	Piano 1	M4	np	np	np	np	np	np	0.00	0.00	0.00	0.00
99	2100. 0	0.0	105.0	Piano 1	M5	np	np	np	np	np	np	0.00	0.00	0.00	0.00
100	2360. 0	0.0	105.0	Piano 1	M5	np	np	np	np	np	np	0.00	0.00	0.00	0.00
101	117.0	375.0	195.0	Piano 2	M6	np	np	np	np	np	np	0.00	0.00	0.00	0.00
102	377.0	375.0	195.0	Piano 2	M6	np	np	np	np	np	np	0.00	0.00	0.00	0.00
103	620.0	375.0	195.0	Piano 2	M7	np	np	np	np	np	np	0.00	0.00	0.00	0.00

104	870.0	375.0	195.0	Piano 2	M7	np	np	np	np	np	np	0.00	0.00	0.00	0.00
105	1120.0	375.0	195.0	Piano 2	M7	np	np	np	np	np	np	0.00	0.00	0.00	0.00
106	1359.0	375.0	195.0	Piano 2	M8	np	np	np	np	np	np	0.00	0.00	0.00	0.00
107	1609.0	375.0	195.0	Piano 2	M8	np	np	np	np	np	np	0.00	0.00	0.00	0.00
108	1859.0	375.0	195.0	Piano 2	M8	np	np	np	np	np	np	0.00	0.00	0.00	0.00
109	2100.0	375.0	195.0	Piano 2	M9	np	np	np	np	np	np	0.00	0.00	0.00	0.00
110	2360.0	375.0	195.0	Piano 2	M9	np	np	np	np	np	np	0.00	0.00	0.00	0.00
111	117.0	282.5	195.0	Piano 2	M6	np	np	np	np	np	np	0.00	0.00	0.00	0.00
112	377.0	282.5	195.0	Piano 2	M6	np	np	np	np	np	np	0.00	0.00	0.00	0.00
113	620.0	282.5	195.0	Piano 2	M7	np	np	np	np	np	np	0.00	0.00	0.00	0.00
114	870.0	282.5	195.0	Piano 2	M7	np	np	np	np	np	np	0.00	0.00	0.00	0.00
115	1120.0	282.5	195.0	Piano 2	M7	np	np	np	np	np	np	0.00	0.00	0.00	0.00
116	1359.0	282.5	195.0	Piano 2	M8	np	np	np	np	np	np	0.00	0.00	0.00	0.00
117	1609.0	282.5	195.0	Piano 2	M8	np	np	np	np	np	np	0.00	0.00	0.00	0.00
118	1859.0	282.5	195.0	Piano 2	M8	np	np	np	np	np	np	0.00	0.00	0.00	0.00
119	2100.0	282.5	195.0	Piano 2	M9	np	np	np	np	np	np	0.00	0.00	0.00	0.00
120	2360.0	282.5	195.0	Piano 2	M9	np	np	np	np	np	np	0.00	0.00	0.00	0.00
121	117.0	192.5	195.0	Piano 2	M6	np	np	np	np	np	np	0.00	0.00	0.00	0.00
122	377.0	192.5	195.0	Piano 2	M6	np	np	np	np	np	np	0.00	0.00	0.00	0.00
123	620.0	192.5	195.0	Piano 2	M7	np	np	np	np	np	np	0.00	0.00	0.00	0.00
124	870.0	192.5	195.0	Piano 2	M7	np	np	np	np	np	np	0.00	0.00	0.00	0.00
125	1120.0	192.5	195.0	Piano 2	M7	np	np	np	np	np	np	0.00	0.00	0.00	0.00
126	1359.0	192.5	195.0	Piano 2	M8	np	np	np	np	np	np	0.00	0.00	0.00	0.00
127	1609.0	192.5	195.0	Piano 2	M8	np	np	np	np	np	np	0.00	0.00	0.00	0.00
128	1859.0	192.5	195.0	Piano 2	M8	np	np	np	np	np	np	0.00	0.00	0.00	0.00
129	2100.0	192.5	195.0	Piano 2	M9	np	np	np	np	np	np	0.00	0.00	0.00	0.00
130	2360.0	192.5	195.0	Piano 2	M9	np	np	np	np	np	np	0.00	0.00	0.00	0.00
131	117.0	102.5	195.0	Piano 2	M6	np	np	np	np	np	np	0.00	0.00	0.00	0.00
132	377.0	102.5	195.0	Piano 2	M6	np	np	np	np	np	np	0.00	0.00	0.00	0.00
133	620.0	102.5	195.0	Piano 2	M7	np	np	np	np	np	np	0.00	0.00	0.00	0.00
134	870.0	102.5	195.0	Piano 2	M7	np	np	np	np	np	np	0.00	0.00	0.00	0.00
135	1120.0	102.5	195.0	Piano 2	M7	np	np	np	np	np	np	0.00	0.00	0.00	0.00
136	1359.0	102.5	195.0	Piano 2	M8	np	np	np	np	np	np	0.00	0.00	0.00	0.00
137	1609.0	102.5	195.0	Piano 2	M8	np	np	np	np	np	np	0.00	0.00	0.00	0.00
138	1859.0	102.5	195.0	Piano 2	M8	np	np	np	np	np	np	0.00	0.00	0.00	0.00
139	2100.0	102.5	195.0	Piano 2	M9	np	np	np	np	np	np	0.00	0.00	0.00	0.00
140	2360.0	102.5	195.0	Piano 2	M9	np	np	np	np	np	np	0.00	0.00	0.00	0.00
141	117.0	0.0	195.0	Piano 2	M6	np	np	np	np	np	np	0.00	0.00	0.00	0.00
142	377.0	0.0	195.0	Piano 2	M6	np	np	np	np	np	np	0.00	0.00	0.00	0.00
143	620.0	0.0	195.0	Piano 2	M7	np	np	np	np	np	np	0.00	0.00	0.00	0.00
144	870.0	0.0	195.0	Piano 2	M7	np	np	np	np	np	np	0.00	0.00	0.00	0.00
145	1120.0	0.0	195.0	Piano 2	M7	np	np	np	np	np	np	0.00	0.00	0.00	0.00
146	1359.0	0.0	195.0	Piano 2	M8	np	np	np	np	np	np	0.00	0.00	0.00	0.00
147	1609.0	0.0	195.0	Piano 2	M8	np	np	np	np	np	np	0.00	0.00	0.00	0.00
148	1859.0	0.0	195.0	Piano 2	M8	np	np	np	np	np	np	0.00	0.00	0.00	0.00
149	2100.0	0.0	195.0	Piano 2	M9	np	np	np	np	np	np	0.00	0.00	0.00	0.00

150	2360.0	0.0	195.0	Piano 2	M9	np	np	np	np	np	np	0.00	0.00	0.00	0.00
151	117.0	375.0	285.0	Piano 3	M10	np	np	np	np	np	np	0.00	0.00	0.00	0.00
152	377.0	375.0	285.0	Piano 3	M10	np	np	np	np	np	np	0.00	0.00	0.00	0.00
153	620.0	375.0	285.0	Piano 3	M11	np	np	np	np	np	np	0.00	0.00	0.00	0.00
154	870.0	375.0	285.0	Piano 3	M11	np	np	np	np	np	np	0.00	0.00	0.00	0.00
155	1120.0	375.0	285.0	Piano 3	M11	np	np	np	np	np	np	0.00	0.00	0.00	0.00
156	1359.0	375.0	285.0	Piano 3	M12	np	np	np	np	np	np	0.00	0.00	0.00	0.00
157	1609.0	375.0	285.0	Piano 3	M12	np	np	np	np	np	np	0.00	0.00	0.00	0.00
158	1859.0	375.0	285.0	Piano 3	M12	np	np	np	np	np	np	0.00	0.00	0.00	0.00
159	2100.0	375.0	285.0	Piano 3	M13	np	np	np	np	np	np	0.00	0.00	0.00	0.00
160	2360.0	375.0	285.0	Piano 3	M13	np	np	np	np	np	np	0.00	0.00	0.00	0.00
161	117.0	282.5	285.0	Piano 3	M10	np	np	np	np	np	np	0.00	0.00	0.00	0.00
162	377.0	282.5	285.0	Piano 3	M10	np	np	np	np	np	np	0.00	0.00	0.00	0.00
163	620.0	282.5	285.0	Piano 3	M11	np	np	np	np	np	np	0.00	0.00	0.00	0.00
164	870.0	282.5	285.0	Piano 3	M11	np	np	np	np	np	np	0.00	0.00	0.00	0.00
165	1120.0	282.5	285.0	Piano 3	M11	np	np	np	np	np	np	0.00	0.00	0.00	0.00
166	1359.0	282.5	285.0	Piano 3	M12	np	np	np	np	np	np	0.00	0.00	0.00	0.00
167	1609.0	282.5	285.0	Piano 3	M12	np	np	np	np	np	np	0.00	0.00	0.00	0.00
168	1859.0	282.5	285.0	Piano 3	M12	np	np	np	np	np	np	0.00	0.00	0.00	0.00
169	2100.0	282.5	285.0	Piano 3	M13	np	np	np	np	np	np	0.00	0.00	0.00	0.00
170	2360.0	282.5	285.0	Piano 3	M13	np	np	np	np	np	np	0.00	0.00	0.00	0.00
171	117.0	192.5	285.0	Piano 3	M10	np	np	np	np	np	np	0.00	0.00	0.00	0.00
172	377.0	192.5	285.0	Piano 3	M10	np	np	np	np	np	np	0.00	0.00	0.00	0.00
173	620.0	192.5	285.0	Piano 3	M11	np	np	np	np	np	np	0.00	0.00	0.00	0.00
174	870.0	192.5	285.0	Piano 3	M11	np	np	np	np	np	np	0.00	0.00	0.00	0.00
175	1120.0	192.5	285.0	Piano 3	M11	np	np	np	np	np	np	0.00	0.00	0.00	0.00
176	1359.0	192.5	285.0	Piano 3	M12	np	np	np	np	np	np	0.00	0.00	0.00	0.00
177	1609.0	192.5	285.0	Piano 3	M12	np	np	np	np	np	np	0.00	0.00	0.00	0.00
178	1859.0	192.5	285.0	Piano 3	M12	np	np	np	np	np	np	0.00	0.00	0.00	0.00
179	2100.0	192.5	285.0	Piano 3	M13	np	np	np	np	np	np	0.00	0.00	0.00	0.00
180	2360.0	192.5	285.0	Piano 3	M13	np	np	np	np	np	np	0.00	0.00	0.00	0.00
181	117.0	102.5	285.0	Piano 3	M10	np	np	np	np	np	np	0.00	0.00	0.00	0.00
182	377.0	102.5	285.0	Piano 3	M10	np	np	np	np	np	np	0.00	0.00	0.00	0.00
183	620.0	102.5	285.0	Piano 3	M11	np	np	np	np	np	np	0.00	0.00	0.00	0.00
184	870.0	102.5	285.0	Piano 3	M11	np	np	np	np	np	np	0.00	0.00	0.00	0.00
185	1120.0	102.5	285.0	Piano 3	M11	np	np	np	np	np	np	0.00	0.00	0.00	0.00
186	1359.0	102.5	285.0	Piano 3	M12	np	np	np	np	np	np	0.00	0.00	0.00	0.00
187	1609.0	102.5	285.0	Piano 3	M12	np	np	np	np	np	np	0.00	0.00	0.00	0.00
188	1859.0	102.5	285.0	Piano 3	M12	np	np	np	np	np	np	0.00	0.00	0.00	0.00
189	2100.0	102.5	285.0	Piano 3	M13	np	np	np	np	np	np	0.00	0.00	0.00	0.00
190	2360.0	102.5	285.0	Piano 3	M13	np	np	np	np	np	np	0.00	0.00	0.00	0.00
191	117.0	0.0	285.0	Piano 3	M10	np	np	np	np	np	np	0.00	0.00	0.00	0.00
192	377.0	0.0	285.0	Piano 3	M10	np	np	np	np	np	np	0.00	0.00	0.00	0.00
193	620.0	0.0	285.0	Piano 3	M11	np	np	np	np	np	np	0.00	0.00	0.00	0.00
194	870.0	0.0	285.0	Piano 3	M11	np	np	np	np	np	np	0.00	0.00	0.00	0.00
195	1120.0	0.0	285.0	Piano 3	M11	np	np	np	np	np	np	0.00	0.00	0.00	0.00
196	1359.0	0.0	285.0	Piano 3	M12	np	np	np	np	np	np	0.00	0.00	0.00	0.00

197	1609.0	0.0	285.0	Piano 3	M12	np	np	np	np	np	np	0.00	0.00	0.00	0.00
198	1859.0	0.0	285.0	Piano 3	M12	np	np	np	np	np	np	0.00	0.00	0.00	0.00
199	2100.0	0.0	285.0	Piano 3	M13	np	np	np	np	np	np	0.00	0.00	0.00	0.00
200	2360.0	0.0	285.0	Piano 3	M13	np	np	np	np	np	np	0.00	0.00	0.00	0.00
201	117.0	500.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
202	377.0	500.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
203	620.0	500.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
204	870.0	500.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
205	1120.0	500.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
206	1359.0	500.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
207	1609.0	500.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
208	1859.0	500.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
209	2100.0	500.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
210	2360.0	500.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
211	117.0	375.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
212	377.0	375.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
213	620.0	375.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
214	870.0	375.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
215	1120.0	375.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
216	1359.0	375.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
217	1609.0	375.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
218	1859.0	375.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
219	2100.0	375.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
220	2360.0	375.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
221	117.0	282.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
222	377.0	282.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
223	620.0	282.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
224	870.0	282.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
225	1120.0	282.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
226	1359.0	282.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
227	1609.0	282.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
228	1859.0	282.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
229	2100.0	282.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
230	2360.0	282.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
231	117.0	192.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
232	377.0	192.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
233	620.0	192.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
234	870.0	192.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
235	1120.0	192.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
236	1359.0	192.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
237	1609.0	192.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
238	1859.0	192.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
239	2100.0	192.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
240	2360.0	192.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
241	117.0	102.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
242	377.0	102.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
243	620.0	102.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00

244	870.0	102.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
245	1120.0	102.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
246	1359.0	102.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
247	1609.0	102.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
248	1859.0	102.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
249	2100.0	102.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
250	2360.0	102.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
251	117.0	0.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
252	377.0	0.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
253	620.0	0.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
254	870.0	0.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
255	1120.0	0.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
256	1359.0	0.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
257	1609.0	0.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
258	1859.0	0.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
259	2100.0	0.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
260	2360.0	0.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
261	117.0	375.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
262	377.0	375.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
263	620.0	375.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
264	870.0	375.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
265	1120.0	375.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
266	1359.0	375.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
267	1609.0	375.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
268	1859.0	375.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
269	2100.0	375.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
270	2360.0	375.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
271	117.0	282.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
272	377.0	282.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
273	620.0	282.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
274	870.0	282.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
275	1120.0	282.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
276	1359.0	282.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
277	1609.0	282.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
278	1859.0	282.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
279	2100.0	282.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
280	2360.0	282.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
281	117.0	192.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
282	377.0	192.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
283	620.0	192.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
284	870.0	192.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
285	1120.0	192.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
286	1359.0	192.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
287	1609.0	192.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
288	1859.0	192.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
289	2100.0	192.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00

290	2360.0	192.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
291	117.0	102.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
292	377.0	102.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
293	620.0	102.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
294	870.0	102.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
295	1120.0	102.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
296	1359.0	102.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
297	1609.0	102.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
298	1859.0	102.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
299	2100.0	102.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
300	2360.0	102.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
301	117.0	0.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
302	377.0	0.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
303	620.0	0.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
304	870.0	0.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
305	1120.0	0.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
306	1359.0	0.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
307	1609.0	0.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
308	1859.0	0.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
309	2100.0	0.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
310	2360.0	0.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
311	567.0	0.0	105.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
312	427.0	0.0	105.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
313	427.0	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
314	567.0	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
315	1310.0	0.0	105.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
316	1170.0	0.0	105.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
317	1359.0	0.0	90.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
318	1170.0	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
319	1310.0	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
320	2049.0	0.0	105.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
321	1909.0	0.0	105.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
322	1909.0	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
323	2049.0	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
324	567.0	0.0	195.0	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
325	427.0	0.0	195.0	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
326	1310.0	0.0	195.0	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
327	1170.0	0.0	195.0	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
328	1359.0	0.0	110.0	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
329	2049.0	0.0	195.0	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
330	1909.0	0.0	195.0	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
331	1912.0	0.0	105.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
332	377.0	0.0	245.0	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
333	567.0	0.0	285.0	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
334	427.0	0.0	285.0	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
335	1310.0	0.0	285.0	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00

336	1170.0	0.0	285.0	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
337	1359.0	0.0	245.0	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
338	1359.0	0.0	200.0	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
339	2049.0	0.0	285.0	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
340	1909.0	0.0	285.0	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
341	203.7	375.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
342	290.3	375.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
343	458.0	375.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
344	539.0	375.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
345	703.3	375.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
346	786.7	375.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
347	953.3	375.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
348	1036.7	375.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
349	1199.7	375.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
350	1279.3	375.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
351	1442.3	375.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
352	1525.7	375.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
353	1692.3	375.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
354	1775.7	375.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
355	1939.3	375.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
356	2019.7	375.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
357	2186.7	375.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
358	2273.3	375.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
359	2360.0	51.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
360	2273.3	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
361	2186.7	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
362	1979.0	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
363	1775.7	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
364	1692.3	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
365	1525.7	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
366	1442.3	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
367	1240.0	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
368	1036.7	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
369	953.3	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
370	786.7	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
371	703.3	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
372	497.0	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
373	290.3	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
374	203.7	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
375	117.0	51.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
376	203.7	282.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
377	290.3	282.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
378	703.3	282.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
379	786.7	282.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
380	953.3	282.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
381	1036.7	282.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
382	1442.3	282.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00

383	1525.7	282.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
384	1692.3	282.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
385	1775.7	282.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
386	2186.7	282.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
387	2273.3	282.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
388	203.7	192.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
389	290.3	192.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
390	703.3	192.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
391	786.7	192.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
392	953.3	192.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
393	1036.7	192.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
394	1442.3	192.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
395	1525.7	192.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
396	1692.3	192.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
397	1775.7	192.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
398	2186.7	192.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
399	2273.3	192.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
400	203.7	102.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
401	290.3	102.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
402	703.3	102.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
403	786.7	102.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
404	953.3	102.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
405	1036.7	102.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
406	870.0	51.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
407	1442.3	102.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
408	1525.7	102.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
409	1692.3	102.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
410	1775.7	102.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
411	1609.0	51.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
412	2186.7	102.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
413	2273.3	102.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
414	203.7	375.0	105.0	Piano 1	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
415	290.3	375.0	105.0	Piano 1	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
416	117.0	375.0	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
417	377.0	375.0	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
418	117.0	282.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
419	703.3	375.0	105.0	Piano 1	M3	np	np	np	np	np	np	0.00	0.00	0.00	0.00
420	786.7	375.0	105.0	Piano 1	M3	np	np	np	np	np	np	0.00	0.00	0.00	0.00
421	620.0	375.0	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
422	870.0	375.0	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
423	953.3	375.0	105.0	Piano 1	M3	np	np	np	np	np	np	0.00	0.00	0.00	0.00
424	1036.7	375.0	105.0	Piano 1	M3	np	np	np	np	np	np	0.00	0.00	0.00	0.00
425	1120.0	375.0	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
426	870.0	282.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
427	1442.3	375.0	105.0	Piano 1	M4	np	np	np	np	np	np	0.00	0.00	0.00	0.00
428	1525.7	375.0	105.0	Piano 1	M4	np	np	np	np	np	np	0.00	0.00	0.00	0.00
429	1359.0	375.0	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
430	1609.0	375.0	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00

431	1692.3	375.0	105.0	Piano 1	M4	np	np	np	np	np	np	0.00	0.00	0.00	0.00
432	1775.7	375.0	105.0	Piano 1	M4	np	np	np	np	np	np	0.00	0.00	0.00	0.00
433	1859.0	375.0	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
434	1609.0	282.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
435	2186.7	375.0	105.0	Piano 1	M5	np	np	np	np	np	np	0.00	0.00	0.00	0.00
436	2273.3	375.0	105.0	Piano 1	M5	np	np	np	np	np	np	0.00	0.00	0.00	0.00
437	2100.0	375.0	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
438	2360.0	375.0	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
439	2360.0	282.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
440	203.7	282.5	105.0	Piano 1	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
441	290.3	282.5	105.0	Piano 1	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
442	377.0	282.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
443	117.0	192.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
444	703.3	282.5	105.0	Piano 1	M3	np	np	np	np	np	np	0.00	0.00	0.00	0.00
445	786.7	282.5	105.0	Piano 1	M3	np	np	np	np	np	np	0.00	0.00	0.00	0.00
446	620.0	282.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
447	953.3	282.5	105.0	Piano 1	M3	np	np	np	np	np	np	0.00	0.00	0.00	0.00
448	1036.7	282.5	105.0	Piano 1	M3	np	np	np	np	np	np	0.00	0.00	0.00	0.00
449	1120.0	282.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
450	870.0	192.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
451	1442.3	282.5	105.0	Piano 1	M4	np	np	np	np	np	np	0.00	0.00	0.00	0.00
452	1525.7	282.5	105.0	Piano 1	M4	np	np	np	np	np	np	0.00	0.00	0.00	0.00
453	1359.0	282.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
454	1692.3	282.5	105.0	Piano 1	M4	np	np	np	np	np	np	0.00	0.00	0.00	0.00
455	1775.7	282.5	105.0	Piano 1	M4	np	np	np	np	np	np	0.00	0.00	0.00	0.00
456	1859.0	282.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
457	1609.0	192.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
458	2186.7	282.5	105.0	Piano 1	M5	np	np	np	np	np	np	0.00	0.00	0.00	0.00
459	2273.3	282.5	105.0	Piano 1	M5	np	np	np	np	np	np	0.00	0.00	0.00	0.00
460	2100.0	282.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
461	2360.0	192.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
462	203.7	192.5	105.0	Piano 1	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
463	290.3	192.5	105.0	Piano 1	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
464	377.0	192.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
465	117.0	102.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
466	703.3	192.5	105.0	Piano 1	M3	np	np	np	np	np	np	0.00	0.00	0.00	0.00
467	786.7	192.5	105.0	Piano 1	M3	np	np	np	np	np	np	0.00	0.00	0.00	0.00
468	620.0	192.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
469	953.3	192.5	105.0	Piano 1	M3	np	np	np	np	np	np	0.00	0.00	0.00	0.00
470	1036.7	192.5	105.0	Piano 1	M3	np	np	np	np	np	np	0.00	0.00	0.00	0.00
471	1120.0	192.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
472	870.0	102.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
473	1442.3	192.5	105.0	Piano 1	M4	np	np	np	np	np	np	0.00	0.00	0.00	0.00
474	1525.7	192.5	105.0	Piano 1	M4	np	np	np	np	np	np	0.00	0.00	0.00	0.00
475	1359.0	192.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
476	1692.3	192.5	105.0	Piano 1	M4	np	np	np	np	np	np	0.00	0.00	0.00	0.00
477	1775.7	192.5	105.0	Piano 1	M4	np	np	np	np	np	np	0.00	0.00	0.00	0.00

	7														
478	1859. 0	192.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
479	1609. 0	102.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
480	2186. 7	192.5	105.0	Piano 1	M5	np	np	np	np	np	np	0.00	0.00	0.00	0.00
481	2273. 3	192.5	105.0	Piano 1	M5	np	np	np	np	np	np	0.00	0.00	0.00	0.00
482	2100. 0	192.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
483	2360. 0	102.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
484	203.7	102.5	105.0	Piano 1	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
485	290.3	102.5	105.0	Piano 1	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
486	377.0	102.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
487	117.0	51.3	105.0	Piano 1	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
488	117.0	0.0	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
489	703.3	102.5	105.0	Piano 1	M3	np	np	np	np	np	np	0.00	0.00	0.00	0.00
490	786.7	102.5	105.0	Piano 1	M3	np	np	np	np	np	np	0.00	0.00	0.00	0.00
491	620.0	102.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
492	953.3	102.5	105.0	Piano 1	M3	np	np	np	np	np	np	0.00	0.00	0.00	0.00
493	1036. 7	102.5	105.0	Piano 1	M3	np	np	np	np	np	np	0.00	0.00	0.00	0.00
494	1120. 0	102.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
495	870.0	51.3	105.0	Piano 1	M3	np	np	np	np	np	np	0.00	0.00	0.00	0.00
496	870.0	0.0	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
497	1442. 3	102.5	105.0	Piano 1	M4	np	np	np	np	np	np	0.00	0.00	0.00	0.00
498	1525. 7	102.5	105.0	Piano 1	M4	np	np	np	np	np	np	0.00	0.00	0.00	0.00
499	1359. 0	102.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
500	1692. 3	102.5	105.0	Piano 1	M4	np	np	np	np	np	np	0.00	0.00	0.00	0.00
501	1775. 7	102.5	105.0	Piano 1	M4	np	np	np	np	np	np	0.00	0.00	0.00	0.00
502	1859. 0	102.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
503	1609. 0	51.3	105.0	Piano 1	M4	np	np	np	np	np	np	0.00	0.00	0.00	0.00
504	1609. 0	0.0	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
505	2186. 7	102.5	105.0	Piano 1	M5	np	np	np	np	np	np	0.00	0.00	0.00	0.00
506	2273. 3	102.5	105.0	Piano 1	M5	np	np	np	np	np	np	0.00	0.00	0.00	0.00
507	2100. 0	102.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
508	2360. 0	51.3	105.0	Piano 1	M5	np	np	np	np	np	np	0.00	0.00	0.00	0.00
509	2360. 0	0.0	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
510	203.7	0.0	105.0	Piano 1	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
511	290.3	0.0	105.0	Piano 1	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
512	377.0	0.0	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
513	620.0	0.0	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
514	703.3	0.0	105.0	Piano 1	M3	np	np	np	np	np	np	0.00	0.00	0.00	0.00
515	786.7	0.0	105.0	Piano 1	M3	np	np	np	np	np	np	0.00	0.00	0.00	0.00
516	953.3	0.0	105.0	Piano 1	M3	np	np	np	np	np	np	0.00	0.00	0.00	0.00
517	1036. 7	0.0	105.0	Piano 1	M3	np	np	np	np	np	np	0.00	0.00	0.00	0.00
518	1120. 0	0.0	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
519	1240. 0	0.0	105.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
520	1442. 3	0.0	105.0	Piano 1	M4	np	np	np	np	np	np	0.00	0.00	0.00	0.00
521	1525. 7	0.0	105.0	Piano 1	M4	np	np	np	np	np	np	0.00	0.00	0.00	0.00
522	1692. 3	0.0	105.0	Piano 1	M4	np	np	np	np	np	np	0.00	0.00	0.00	0.00
523	1775. 7	0.0	105.0	Piano 1	M4	np	np	np	np	np	np	0.00	0.00	0.00	0.00

524	1859.0	0.0	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
525	2100.0	0.0	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
526	2186.7	0.0	105.0	Piano 1	M5	np	np	np	np	np	np	0.00	0.00	0.00	0.00
527	2273.3	0.0	105.0	Piano 1	M5	np	np	np	np	np	np	0.00	0.00	0.00	0.00
528	377.0	51.3	105.0	Piano 1	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
529	620.0	51.3	105.0	Piano 1	M3	np	np	np	np	np	np	0.00	0.00	0.00	0.00
530	1120.0	51.3	105.0	Piano 1	M3	np	np	np	np	np	np	0.00	0.00	0.00	0.00
531	1359.0	51.3	105.0	Piano 1	M4	np	np	np	np	np	np	0.00	0.00	0.00	0.00
532	1859.0	51.3	105.0	Piano 1	M4	np	np	np	np	np	np	0.00	0.00	0.00	0.00
533	2100.0	51.3	105.0	Piano 1	M5	np	np	np	np	np	np	0.00	0.00	0.00	0.00
534	203.7	375.0	195.0	Piano 2	M6	np	np	np	np	np	np	0.00	0.00	0.00	0.00
535	290.3	375.0	195.0	Piano 2	M6	np	np	np	np	np	np	0.00	0.00	0.00	0.00
536	703.3	375.0	195.0	Piano 2	M7	np	np	np	np	np	np	0.00	0.00	0.00	0.00
537	786.7	375.0	195.0	Piano 2	M7	np	np	np	np	np	np	0.00	0.00	0.00	0.00
538	953.3	375.0	195.0	Piano 2	M7	np	np	np	np	np	np	0.00	0.00	0.00	0.00
539	1036.7	375.0	195.0	Piano 2	M7	np	np	np	np	np	np	0.00	0.00	0.00	0.00
540	1442.3	375.0	195.0	Piano 2	M8	np	np	np	np	np	np	0.00	0.00	0.00	0.00
541	1525.7	375.0	195.0	Piano 2	M8	np	np	np	np	np	np	0.00	0.00	0.00	0.00
542	1692.3	375.0	195.0	Piano 2	M8	np	np	np	np	np	np	0.00	0.00	0.00	0.00
543	1775.7	375.0	195.0	Piano 2	M8	np	np	np	np	np	np	0.00	0.00	0.00	0.00
544	2186.7	375.0	195.0	Piano 2	M9	np	np	np	np	np	np	0.00	0.00	0.00	0.00
545	2273.3	375.0	195.0	Piano 2	M9	np	np	np	np	np	np	0.00	0.00	0.00	0.00
546	203.7	282.5	195.0	Piano 2	M6	np	np	np	np	np	np	0.00	0.00	0.00	0.00
547	290.3	282.5	195.0	Piano 2	M6	np	np	np	np	np	np	0.00	0.00	0.00	0.00
548	703.3	282.5	195.0	Piano 2	M7	np	np	np	np	np	np	0.00	0.00	0.00	0.00
549	786.7	282.5	195.0	Piano 2	M7	np	np	np	np	np	np	0.00	0.00	0.00	0.00
550	953.3	282.5	195.0	Piano 2	M7	np	np	np	np	np	np	0.00	0.00	0.00	0.00
551	1036.7	282.5	195.0	Piano 2	M7	np	np	np	np	np	np	0.00	0.00	0.00	0.00
552	1442.3	282.5	195.0	Piano 2	M8	np	np	np	np	np	np	0.00	0.00	0.00	0.00
553	1525.7	282.5	195.0	Piano 2	M8	np	np	np	np	np	np	0.00	0.00	0.00	0.00
554	1692.3	282.5	195.0	Piano 2	M8	np	np	np	np	np	np	0.00	0.00	0.00	0.00
555	1775.7	282.5	195.0	Piano 2	M8	np	np	np	np	np	np	0.00	0.00	0.00	0.00
556	2186.7	282.5	195.0	Piano 2	M9	np	np	np	np	np	np	0.00	0.00	0.00	0.00
557	2273.3	282.5	195.0	Piano 2	M9	np	np	np	np	np	np	0.00	0.00	0.00	0.00
558	203.7	192.5	195.0	Piano 2	M6	np	np	np	np	np	np	0.00	0.00	0.00	0.00
559	290.3	192.5	195.0	Piano 2	M6	np	np	np	np	np	np	0.00	0.00	0.00	0.00
560	703.3	192.5	195.0	Piano 2	M7	np	np	np	np	np	np	0.00	0.00	0.00	0.00
561	786.7	192.5	195.0	Piano 2	M7	np	np	np	np	np	np	0.00	0.00	0.00	0.00
562	953.3	192.5	195.0	Piano 2	M7	np	np	np	np	np	np	0.00	0.00	0.00	0.00
563	1036.7	192.5	195.0	Piano 2	M7	np	np	np	np	np	np	0.00	0.00	0.00	0.00
564	1442.3	192.5	195.0	Piano 2	M8	np	np	np	np	np	np	0.00	0.00	0.00	0.00
565	1525.7	192.5	195.0	Piano 2	M8	np	np	np	np	np	np	0.00	0.00	0.00	0.00
566	1692.3	192.5	195.0	Piano 2	M8	np	np	np	np	np	np	0.00	0.00	0.00	0.00
567	1775.7	192.5	195.0	Piano 2	M8	np	np	np	np	np	np	0.00	0.00	0.00	0.00
568	2186.7	192.5	195.0	Piano 2	M9	np	np	np	np	np	np	0.00	0.00	0.00	0.00
569	2273.3	192.5	195.0	Piano 2	M9	np	np	np	np	np	np	0.00	0.00	0.00	0.00

570	203.7	102.5	195.0	Piano 2	M6	np	np	np	np	np	np	0.00	0.00	0.00	0.00
571	290.3	102.5	195.0	Piano 2	M6	np	np	np	np	np	np	0.00	0.00	0.00	0.00
572	117.0	51.3	195.0	Piano 2	M6	np	np	np	np	np	np	0.00	0.00	0.00	0.00
573	703.3	102.5	195.0	Piano 2	M7	np	np	np	np	np	np	0.00	0.00	0.00	0.00
574	786.7	102.5	195.0	Piano 2	M7	np	np	np	np	np	np	0.00	0.00	0.00	0.00
575	953.3	102.5	195.0	Piano 2	M7	np	np	np	np	np	np	0.00	0.00	0.00	0.00
576	1036.7	102.5	195.0	Piano 2	M7	np	np	np	np	np	np	0.00	0.00	0.00	0.00
577	870.0	51.3	195.0	Piano 2	M7	np	np	np	np	np	np	0.00	0.00	0.00	0.00
578	1442.3	102.5	195.0	Piano 2	M8	np	np	np	np	np	np	0.00	0.00	0.00	0.00
579	1525.7	102.5	195.0	Piano 2	M8	np	np	np	np	np	np	0.00	0.00	0.00	0.00
580	1692.3	102.5	195.0	Piano 2	M8	np	np	np	np	np	np	0.00	0.00	0.00	0.00
581	1775.7	102.5	195.0	Piano 2	M8	np	np	np	np	np	np	0.00	0.00	0.00	0.00
582	1609.0	51.3	195.0	Piano 2	M8	np	np	np	np	np	np	0.00	0.00	0.00	0.00
583	2186.7	102.5	195.0	Piano 2	M9	np	np	np	np	np	np	0.00	0.00	0.00	0.00
584	2273.3	102.5	195.0	Piano 2	M9	np	np	np	np	np	np	0.00	0.00	0.00	0.00
585	2360.0	51.3	195.0	Piano 2	M9	np	np	np	np	np	np	0.00	0.00	0.00	0.00
586	203.7	0.0	195.0	Piano 2	M6	np	np	np	np	np	np	0.00	0.00	0.00	0.00
587	290.3	0.0	195.0	Piano 2	M6	np	np	np	np	np	np	0.00	0.00	0.00	0.00
588	497.0	0.0	195.0	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
589	703.3	0.0	195.0	Piano 2	M7	np	np	np	np	np	np	0.00	0.00	0.00	0.00
590	786.7	0.0	195.0	Piano 2	M7	np	np	np	np	np	np	0.00	0.00	0.00	0.00
591	953.3	0.0	195.0	Piano 2	M7	np	np	np	np	np	np	0.00	0.00	0.00	0.00
592	1036.7	0.0	195.0	Piano 2	M7	np	np	np	np	np	np	0.00	0.00	0.00	0.00
593	1240.0	0.0	195.0	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
594	1442.3	0.0	195.0	Piano 2	M8	np	np	np	np	np	np	0.00	0.00	0.00	0.00
595	1525.7	0.0	195.0	Piano 2	M8	np	np	np	np	np	np	0.00	0.00	0.00	0.00
596	1692.3	0.0	195.0	Piano 2	M8	np	np	np	np	np	np	0.00	0.00	0.00	0.00
597	1775.7	0.0	195.0	Piano 2	M8	np	np	np	np	np	np	0.00	0.00	0.00	0.00
598	1979.0	0.0	195.0	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
599	2186.7	0.0	195.0	Piano 2	M9	np	np	np	np	np	np	0.00	0.00	0.00	0.00
600	2273.3	0.0	195.0	Piano 2	M9	np	np	np	np	np	np	0.00	0.00	0.00	0.00
601	377.0	51.3	195.0	Piano 2	M6	np	np	np	np	np	np	0.00	0.00	0.00	0.00
602	620.0	51.3	195.0	Piano 2	M7	np	np	np	np	np	np	0.00	0.00	0.00	0.00
603	1120.0	51.3	195.0	Piano 2	M7	np	np	np	np	np	np	0.00	0.00	0.00	0.00
604	1359.0	51.3	195.0	Piano 2	M8	np	np	np	np	np	np	0.00	0.00	0.00	0.00
605	1859.0	51.3	195.0	Piano 2	M8	np	np	np	np	np	np	0.00	0.00	0.00	0.00
606	2100.0	51.3	195.0	Piano 2	M9	np	np	np	np	np	np	0.00	0.00	0.00	0.00
607	203.7	375.0	285.0	Piano 3	M10	np	np	np	np	np	np	0.00	0.00	0.00	0.00
608	290.3	375.0	285.0	Piano 3	M10	np	np	np	np	np	np	0.00	0.00	0.00	0.00
609	703.3	375.0	285.0	Piano 3	M11	np	np	np	np	np	np	0.00	0.00	0.00	0.00
610	786.7	375.0	285.0	Piano 3	M11	np	np	np	np	np	np	0.00	0.00	0.00	0.00
611	953.3	375.0	285.0	Piano 3	M11	np	np	np	np	np	np	0.00	0.00	0.00	0.00
612	1036.7	375.0	285.0	Piano 3	M11	np	np	np	np	np	np	0.00	0.00	0.00	0.00
613	1442.3	375.0	285.0	Piano 3	M12	np	np	np	np	np	np	0.00	0.00	0.00	0.00
614	1525.7	375.0	285.0	Piano 3	M12	np	np	np	np	np	np	0.00	0.00	0.00	0.00
615	1692.3	375.0	285.0	Piano 3	M12	np	np	np	np	np	np	0.00	0.00	0.00	0.00
616	1775.7	375.0	285.0	Piano 3	M12	np	np	np	np	np	np	0.00	0.00	0.00	0.00

617	2186.7	375.0	285.0	Piano 3	M13	np	np	np	np	np	np	0.00	0.00	0.00	0.00
618	2273.3	375.0	285.0	Piano 3	M13	np	np	np	np	np	np	0.00	0.00	0.00	0.00
619	203.7	282.5	285.0	Piano 3	M10	np	np	np	np	np	np	0.00	0.00	0.00	0.00
620	290.3	282.5	285.0	Piano 3	M10	np	np	np	np	np	np	0.00	0.00	0.00	0.00
621	703.3	282.5	285.0	Piano 3	M11	np	np	np	np	np	np	0.00	0.00	0.00	0.00
622	786.7	282.5	285.0	Piano 3	M11	np	np	np	np	np	np	0.00	0.00	0.00	0.00
623	953.3	282.5	285.0	Piano 3	M11	np	np	np	np	np	np	0.00	0.00	0.00	0.00
624	1036.7	282.5	285.0	Piano 3	M11	np	np	np	np	np	np	0.00	0.00	0.00	0.00
625	1442.3	282.5	285.0	Piano 3	M12	np	np	np	np	np	np	0.00	0.00	0.00	0.00
626	1525.7	282.5	285.0	Piano 3	M12	np	np	np	np	np	np	0.00	0.00	0.00	0.00
627	1692.3	282.5	285.0	Piano 3	M12	np	np	np	np	np	np	0.00	0.00	0.00	0.00
628	1775.7	282.5	285.0	Piano 3	M12	np	np	np	np	np	np	0.00	0.00	0.00	0.00
629	2186.7	282.5	285.0	Piano 3	M13	np	np	np	np	np	np	0.00	0.00	0.00	0.00
630	2273.3	282.5	285.0	Piano 3	M13	np	np	np	np	np	np	0.00	0.00	0.00	0.00
631	203.7	192.5	285.0	Piano 3	M10	np	np	np	np	np	np	0.00	0.00	0.00	0.00
632	290.3	192.5	285.0	Piano 3	M10	np	np	np	np	np	np	0.00	0.00	0.00	0.00
633	703.3	192.5	285.0	Piano 3	M11	np	np	np	np	np	np	0.00	0.00	0.00	0.00
634	786.7	192.5	285.0	Piano 3	M11	np	np	np	np	np	np	0.00	0.00	0.00	0.00
635	953.3	192.5	285.0	Piano 3	M11	np	np	np	np	np	np	0.00	0.00	0.00	0.00
636	1036.7	192.5	285.0	Piano 3	M11	np	np	np	np	np	np	0.00	0.00	0.00	0.00
637	1442.3	192.5	285.0	Piano 3	M12	np	np	np	np	np	np	0.00	0.00	0.00	0.00
638	1525.7	192.5	285.0	Piano 3	M12	np	np	np	np	np	np	0.00	0.00	0.00	0.00
639	1692.3	192.5	285.0	Piano 3	M12	np	np	np	np	np	np	0.00	0.00	0.00	0.00
640	1775.7	192.5	285.0	Piano 3	M12	np	np	np	np	np	np	0.00	0.00	0.00	0.00
641	2186.7	192.5	285.0	Piano 3	M13	np	np	np	np	np	np	0.00	0.00	0.00	0.00
642	2273.3	192.5	285.0	Piano 3	M13	np	np	np	np	np	np	0.00	0.00	0.00	0.00
643	203.7	102.5	285.0	Piano 3	M10	np	np	np	np	np	np	0.00	0.00	0.00	0.00
644	290.3	102.5	285.0	Piano 3	M10	np	np	np	np	np	np	0.00	0.00	0.00	0.00
645	117.0	51.3	285.0	Piano 3	M10	np	np	np	np	np	np	0.00	0.00	0.00	0.00
646	703.3	102.5	285.0	Piano 3	M11	np	np	np	np	np	np	0.00	0.00	0.00	0.00
647	786.7	102.5	285.0	Piano 3	M11	np	np	np	np	np	np	0.00	0.00	0.00	0.00
648	953.3	102.5	285.0	Piano 3	M11	np	np	np	np	np	np	0.00	0.00	0.00	0.00
649	1036.7	102.5	285.0	Piano 3	M11	np	np	np	np	np	np	0.00	0.00	0.00	0.00
650	870.0	51.3	285.0	Piano 3	M11	np	np	np	np	np	np	0.00	0.00	0.00	0.00
651	1442.3	102.5	285.0	Piano 3	M12	np	np	np	np	np	np	0.00	0.00	0.00	0.00
652	1525.7	102.5	285.0	Piano 3	M12	np	np	np	np	np	np	0.00	0.00	0.00	0.00
653	1692.3	102.5	285.0	Piano 3	M12	np	np	np	np	np	np	0.00	0.00	0.00	0.00
654	1775.7	102.5	285.0	Piano 3	M12	np	np	np	np	np	np	0.00	0.00	0.00	0.00
655	1609.0	51.3	285.0	Piano 3	M12	np	np	np	np	np	np	0.00	0.00	0.00	0.00
656	2186.7	102.5	285.0	Piano 3	M13	np	np	np	np	np	np	0.00	0.00	0.00	0.00
657	2273.3	102.5	285.0	Piano 3	M13	np	np	np	np	np	np	0.00	0.00	0.00	0.00
658	2360.0	51.3	285.0	Piano 3	M13	np	np	np	np	np	np	0.00	0.00	0.00	0.00
659	203.7	0.0	285.0	Piano 3	M10	np	np	np	np	np	np	0.00	0.00	0.00	0.00
660	290.3	0.0	285.0	Piano 3	M10	np	np	np	np	np	np	0.00	0.00	0.00	0.00
661	497.0	0.0	285.0	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
662	703.3	0.0	285.0	Piano 3	M11	np	np	np	np	np	np	0.00	0.00	0.00	0.00
663	786.7	0.0	285.0	Piano 3	M11	np	np	np	np	np	np	0.00	0.00	0.00	0.00
664	953.3	0.0	285.0	Piano 3	M11	np	np	np	np	np	np	0.00	0.00	0.00	0.00
665	1036.7	0.0	285.0	Piano 3	M11	np	np	np	np	np	np	0.00	0.00	0.00	0.00

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666	1240.0	0.0	285.0	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
667	1442.3	0.0	285.0	Piano 3	M12	np	np	np	np	np	np	0.00	0.00	0.00	0.00
668	1525.7	0.0	285.0	Piano 3	M12	np	np	np	np	np	np	0.00	0.00	0.00	0.00
669	1692.3	0.0	285.0	Piano 3	M12	np	np	np	np	np	np	0.00	0.00	0.00	0.00
670	1775.7	0.0	285.0	Piano 3	M12	np	np	np	np	np	np	0.00	0.00	0.00	0.00
671	1979.0	0.0	285.0	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
672	2186.7	0.0	285.0	Piano 3	M13	np	np	np	np	np	np	0.00	0.00	0.00	0.00
673	2273.3	0.0	285.0	Piano 3	M13	np	np	np	np	np	np	0.00	0.00	0.00	0.00
674	377.0	51.3	285.0	Piano 3	M10	np	np	np	np	np	np	0.00	0.00	0.00	0.00
675	620.0	51.3	285.0	Piano 3	M11	np	np	np	np	np	np	0.00	0.00	0.00	0.00
676	1120.0	51.3	285.0	Piano 3	M11	np	np	np	np	np	np	0.00	0.00	0.00	0.00
677	1359.0	51.3	285.0	Piano 3	M12	np	np	np	np	np	np	0.00	0.00	0.00	0.00
678	1859.0	51.3	285.0	Piano 3	M12	np	np	np	np	np	np	0.00	0.00	0.00	0.00
679	2100.0	51.3	285.0	Piano 3	M13	np	np	np	np	np	np	0.00	0.00	0.00	0.00
680	203.7	375.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
681	290.3	375.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
682	703.3	375.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
683	786.7	375.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
684	953.3	375.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
685	1036.7	375.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
686	1442.3	375.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
687	1525.7	375.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
688	1692.3	375.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
689	1775.7	375.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
690	2186.7	375.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
691	2273.3	375.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
692	203.7	282.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
693	290.3	282.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
694	703.3	282.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
695	786.7	282.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
696	953.3	282.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
697	1036.7	282.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
698	1442.3	282.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
699	1525.7	282.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
700	1692.3	282.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
701	1775.7	282.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
702	2186.7	282.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
703	2273.3	282.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
704	203.7	192.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
705	290.3	192.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
706	703.3	192.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
707	786.7	192.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
708	953.3	192.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
709	1036.7	192.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
710	1442.3	192.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
711	1525.7	192.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00

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712	1692.3	192.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
713	1775.7	192.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
714	2186.7	192.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
715	2273.3	192.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
716	203.7	102.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
717	290.3	102.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
718	117.0	51.3	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
719	703.3	102.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
720	786.7	102.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
721	953.3	102.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
722	1036.7	102.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
723	870.0	51.3	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
724	1442.3	102.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
725	1525.7	102.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
726	1692.3	102.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
727	1775.7	102.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
728	1609.0	51.3	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
729	2186.7	102.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
730	2273.3	102.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
731	2360.0	51.3	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
732	203.7	0.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
733	290.3	0.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
734	458.0	0.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
735	539.0	0.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
736	703.3	0.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
737	786.7	0.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
738	953.3	0.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
739	1036.7	0.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
740	1199.7	0.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
741	1279.3	0.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
742	1442.3	0.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
743	1525.7	0.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
744	1692.3	0.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
745	1775.7	0.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
746	1939.3	0.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
747	2019.7	0.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
748	2186.7	0.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
749	2273.3	0.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
750	117.0	437.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
751	203.7	500.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
752	290.3	500.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
753	377.0	437.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
754	620.0	437.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
755	703.3	500.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
756	786.7	500.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
757	870.0	437.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
758	953.3	500.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
759	1036.7	500.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00

Relazione di calcolo - Amministrazione Comunale

760	1120. 0	437.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
761	1359. 0	437.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
762	1442. 3	500.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
763	1525. 7	500.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
764	1609. 0	437.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
765	1692. 3	500.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
766	1775. 7	500.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
767	1859. 0	437.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
768	2186. 7	500.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
769	2273. 3	500.0	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
770	2360. 0	437.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
771	2100. 0	437.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
772	203.7	375.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
773	290.3	375.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
774	703.3	375.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
775	786.7	375.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
776	953.3	375.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
777	1036. 7	375.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
778	1442. 3	375.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
779	1525. 7	375.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
780	1692. 3	375.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
781	1775. 7	375.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
782	2186. 7	375.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
783	2273. 3	375.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
784	203.7	282.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
785	290.3	282.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
786	703.3	282.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
787	786.7	282.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
788	953.3	282.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
789	1036. 7	282.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
790	1442. 3	282.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
791	1525. 7	282.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
792	1692. 3	282.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
793	1775. 7	282.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
794	2186. 7	282.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
795	2273. 3	282.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
796	203.7	192.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
797	290.3	192.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
798	703.3	192.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
799	786.7	192.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
800	953.3	192.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
801	1036. 7	192.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
802	1442. 3	192.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
803	1525. 7	192.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
804	1692. 3	192.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00

805	1775.7	192.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
806	2186.7	192.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
807	2273.3	192.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
808	203.7	102.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
809	290.3	102.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
810	117.0	51.3	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
811	703.3	102.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
812	786.7	102.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
813	953.3	102.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
814	1036.7	102.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
815	870.0	51.3	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
816	1442.3	102.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
817	1525.7	102.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
818	1692.3	102.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
819	1775.7	102.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
820	1609.0	51.3	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
821	2186.7	102.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
822	2273.3	102.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
823	2360.0	51.3	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
824	203.7	0.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
825	290.3	0.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
826	458.0	0.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
827	539.0	0.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
828	703.3	0.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
829	786.7	0.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
830	953.3	0.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
831	1036.7	0.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
832	1199.7	0.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
833	1279.3	0.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
834	1442.3	0.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
835	1525.7	0.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
836	1692.3	0.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
837	1775.7	0.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
838	1939.3	0.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
839	2019.7	0.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
840	2186.7	0.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
841	2273.3	0.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
842	377.0	51.3	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
843	620.0	51.3	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
844	1120.0	51.3	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
845	1359.0	51.3	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
846	1859.0	51.3	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
847	2100.0	51.3	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
848	458.0	375.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
849	539.0	375.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
850	1199.7	375.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
851	1279.3	375.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00

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852	1939. 3	375.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
853	2019. 7	375.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
854	290.3	375.0	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
855	203.7	375.0	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
856	786.7	375.0	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
857	703.3	375.0	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
858	1036. 7	375.0	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
859	953.3	375.0	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
860	1525. 7	375.0	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
861	1442. 3	375.0	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
862	1775. 7	375.0	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
863	1692. 3	375.0	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
864	2273. 3	375.0	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
865	2186. 7	375.0	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
866	290.3	282.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
867	203.7	282.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
868	786.7	282.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
869	703.3	282.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
870	1036. 7	282.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
871	953.3	282.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
872	1525. 7	282.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
873	1442. 3	282.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
874	1775. 7	282.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
875	1692. 3	282.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
876	2273. 3	282.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
877	2186. 7	282.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
878	290.3	192.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
879	203.7	192.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
880	786.7	192.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
881	703.3	192.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
882	1036. 7	192.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
883	953.3	192.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
884	1525. 7	192.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
885	1442. 3	192.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
886	1775. 7	192.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
887	1692. 3	192.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
888	2273. 3	192.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
889	2186. 7	192.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
890	290.3	102.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
891	203.7	102.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
892	117.0	51.2	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
893	786.7	102.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
894	703.3	102.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
895	1036. 7	102.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
896	953.3	102.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
897	870.0	51.3	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
898	1525. 7	102.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
899	1442.	102.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00

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900	1775. 7	102.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
901	1692. 3	102.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
902	1609. 0	51.3	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
903	2273. 3	102.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
904	2186. 7	102.5	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
905	2360. 0	51.3	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
906	290.3	0.0	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
907	203.7	0.0	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
908	567.0	0.0	90.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
909	497.0	0.0	90.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
910	427.0	0.0	90.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
911	786.7	0.0	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
912	703.3	0.0	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
913	1036. 7	0.0	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
914	953.3	0.0	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
915	1310. 0	0.0	90.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
916	1240. 0	0.0	90.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
917	1170. 0	0.0	90.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
918	1525. 7	0.0	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
919	1442. 3	0.0	58.7	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
920	1775. 7	0.0	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
921	1692. 3	0.0	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
922	2049. 0	0.0	90.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
923	1979. 0	0.0	90.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
924	1909. 0	0.0	90.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
925	2273. 3	0.0	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
926	2186. 7	0.0	52.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
927	1310. 0	0.0	110.0	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
928	1240. 0	0.0	110.0	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
929	1170. 0	0.0	110.0	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
930	1153. 3	0.0	136.7	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
931	1386. 8	0.0	136.7	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
932	1912. 0	0.0	115.0	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
933	1909. 0	0.0	115.0	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
934	1892. 3	0.0	138.3	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
935	290.3	0.0	240.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
936	203.7	0.0	232.6	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
937	497.0	0.0	200.0	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
938	427.0	0.0	200.0	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
939	427.0	0.0	245.0	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
940	497.0	0.0	245.0	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
941	567.0	0.0	245.0	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
942	567.0	0.0	200.0	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
943	593.5	0.0	216.7	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
944	593.5	0.0	248.9	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
945	410.3	0.0	213.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00

946	1240. 0	0.0	200.0	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
947	1170. 0	0.0	200.0	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
948	1170. 0	0.0	245.0	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
949	1240. 0	0.0	245.0	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
950	1310. 0	0.0	245.0	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
951	1310. 0	0.0	200.0	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
952	1145. 0	0.0	251.7	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
953	1145. 0	0.0	215.6	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
954	1438. 9	0.0	234.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
955	1413. 4	0.0	254.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
956	1979. 0	0.0	200.0	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
957	1909. 0	0.0	200.0	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
958	1909. 0	0.0	245.0	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
959	1979. 0	0.0	245.0	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
960	2049. 0	0.0	245.0	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
961	2049. 0	0.0	200.0	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
962	1884. 0	0.0	251.7	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
963	1884. 0	0.0	215.6	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
964	2074. 5	0.0	216.7	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
965	2074. 5	0.0	248.9	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
966	442.5	0.0	315.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
967	492.8	0.0	315.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
968	1259. 7	0.0	315.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
969	1184. 8	0.0	315.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
970	1309. 6	0.0	315.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
971	1902. 4	0.0	305.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
972	2100. 0	51.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
973	1859. 0	68.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
974	1859. 0	34.2	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
975	1775. 7	68.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
976	1775. 7	34.2	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
977	1692. 3	68.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
978	1692. 3	34.2	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
979	1650. 7	42.7	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
980	1359. 0	34.2	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
981	1359. 0	68.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
982	1120. 0	51.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
983	1442. 3	34.2	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
984	1442.	68.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00

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985	1525. 7	34.2	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
986	1525. 7	68.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
987	1567. 3	59.8	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
988	377.0	51.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
989	620.0	34.2	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
990	620.0	68.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
991	703.3	34.2	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
992	703.3	68.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
993	786.7	34.2	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
994	786.7	68.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
995	828.3	59.8	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
996	2273. 3	51.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
997	2186. 7	51.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
998	1917. 6	38.6	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
999	1978. 9	42.7	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1000	2041. 1	46.9	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1001	1918. 6	82.2	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1002	1978. 3	96.7	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1003	2038. 1	111.4	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1004	2035. 3	189.9	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1005	2028. 0	279.9	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1006	1915. 2	147.9	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1007	1972. 1	178.2	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1008	1962. 5	270.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1009	1910. 0	226.7	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1010	1902. 8	294.7	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1011	1650. 7	31.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1012	1650. 7	71.2	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1013	953.3	51.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1014	1036. 7	51.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1015	1279. 3	283.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1016	1199. 7	283.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1017	1280. 2	206.7	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1018	1200. 6	202.1	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1019	1295. 8	44.8	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1020	1288. 1	88.4	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1021	1281. 4	136.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1022	1202. 3	133.9	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1023	1233. 8	40.7	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1024	1207. 2	80.1	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1025	1174. 6	30.7	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1026	1590.	78.8	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00

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1027	1561.2	80.4	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1028	1567.3	31.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1029	203.7	51.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1030	290.3	51.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1031	539.0	283.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1032	458.0	283.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1033	539.0	192.8	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1034	458.0	192.9	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1035	539.9	121.2	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1036	458.9	121.4	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1037	552.3	33.4	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1038	542.3	72.8	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1039	462.0	70.6	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1040	486.4	33.7	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1041	430.1	28.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1042	851.5	78.8	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1043	822.2	80.4	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1044	828.3	31.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1045	290.3	51.3	105.0	Piano 1	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1046	203.7	51.3	105.0	Piano 1	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1047	786.7	51.3	105.0	Piano 1	M3	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1048	703.3	51.3	105.0	Piano 1	M3	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1049	1036.7	51.2	105.0	Piano 1	M3	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1050	953.3	51.3	105.0	Piano 1	M3	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1051	1525.7	51.3	105.0	Piano 1	M4	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1052	1442.3	51.3	105.0	Piano 1	M4	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1053	1775.7	51.2	105.0	Piano 1	M4	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1054	1692.3	51.3	105.0	Piano 1	M4	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1055	2273.3	51.3	105.0	Piano 1	M5	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1056	2186.7	51.2	105.0	Piano 1	M5	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1057	290.3	51.3	195.0	Piano 2	M6	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1058	203.7	51.3	195.0	Piano 2	M6	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1059	786.7	51.3	195.0	Piano 2	M7	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1060	703.3	51.3	195.0	Piano 2	M7	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1061	1036.7	51.2	195.0	Piano 2	M7	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1062	953.3	51.3	195.0	Piano 2	M7	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1063	1525.7	51.3	195.0	Piano 2	M8	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1064	1442.3	51.3	195.0	Piano 2	M8	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1065	1775.7	51.2	195.0	Piano 2	M8	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1066	1692.3	51.3	195.0	Piano 2	M8	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1067	2273.3	51.3	195.0	Piano 2	M9	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1068	2186.7	51.2	195.0	Piano 2	M9	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1069	290.3	51.3	285.0	Piano 3	M10	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1070	203.7	51.3	285.0	Piano 3	M10	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1071	786.7	51.3	285.0	Piano 3	M11	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1072	703.3	51.3	285.0	Piano 3	M11	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1073	1036.7	51.2	285.0	Piano 3	M11	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1074	953.3	51.3	285.0	Piano 3	M11	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1075	1525.7	51.3	285.0	Piano 3	M12	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1076	1442.3	51.3	285.0	Piano 3	M12	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1077	1775.7	51.2	285.0	Piano 3	M12	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1078	1692.3	51.3	285.0	Piano 3	M12	np	np	np	np	np	np	0.00	0.00	0.00	0.00

1079	2273.3	51.3	285.0	Piano 3	M13	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1080	2186.7	51.2	285.0	Piano 3	M13	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1081	290.3	437.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1082	203.7	437.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1083	786.7	437.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1084	703.3	437.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1085	1036.7	437.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1086	953.3	437.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1087	1525.7	437.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1088	1442.3	437.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1089	1775.7	437.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1090	1692.3	437.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1091	2273.3	437.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1092	2186.7	437.5	345.0	Piano 4	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1093	290.3	51.3	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1094	203.7	51.3	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1095	786.7	51.3	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1096	703.3	51.3	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1097	1036.7	51.2	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1098	953.3	51.3	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1099	1525.7	51.3	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1100	1442.3	51.3	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1101	1775.7	51.2	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1102	1692.3	51.3	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1103	2273.3	51.3	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1104	2186.7	51.2	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1105	458.0	51.2	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1106	539.0	51.2	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1107	458.0	115.4	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1108	539.0	117.6	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1109	458.0	197.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1110	539.0	198.7	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1111	539.0	285.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1112	458.0	285.3	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1113	1199.7	51.3	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1114	1279.3	51.3	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1115	1199.7	115.4	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1116	1279.3	117.6	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1117	1199.7	197.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1118	1279.3	198.7	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1119	1279.3	285.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1120	1199.7	285.3	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1121	1939.3	51.3	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1122	2019.7	51.3	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1123	1939.3	115.4	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1124	2019.7	117.6	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1125	1939.3	197.0	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00

	3														
1126	2019. 7	198.7	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1127	2019. 7	285.5	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1128	1939. 3	285.3	375.0	Piano 5	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00

Tabella dei Nodi Master:

Nodo	Tipo Nodo	Coordinate [cm]		
		x	y	z
M1	Impalcato Rigido	232.99	188.25	105.00
M2	Impalcato Rigido	1238.04	185.27	375.00
M3	Impalcato Rigido	869.72	187.12	105.00
M4	Impalcato Rigido	1610.98	188.98	105.00
M5	Impalcato Rigido	2244.11	187.06	105.00
M6	Impalcato Rigido	230.11	192.16	195.00
M7	Impalcato Rigido	870.00	187.09	195.00
M8	Impalcato Rigido	1611.31	189.15	195.00
M9	Impalcato Rigido	2246.05	187.22	195.00
M10	Impalcato Rigido	231.71	192.08	285.00
M11	Impalcato Rigido	870.06	186.86	285.00
M12	Impalcato Rigido	1610.92	188.66	285.00
M13	Impalcato Rigido	2244.49	187.04	285.00

3.6.3 Caratteristiche delle aste.

La tabella seguente riporta tutte le caratteristiche relative alle aste della struttura ed in modo particolare la colonna:

Asta : numerazione dell'asta
 Fili : fili fissi ai quali appartiene l'asta
 NI : nodo iniziale dell'asta
 NF : nodo finale dell'asta
 Tipo : funzione dell'asta
 Sez : sezione trasversale associata all'asta
 L : lunghezza teorica (nodo-nodo) dell'asta
 Imp. : impalcato di appartenenza dell'asta
 KwN : modulo di Winkler normale;
 KwT : modulo di Winkler tangenziale;

										Vincoli interni											
Asta	Fili	NI	NF	Tipo	Sez	L [cm]	Imp.	Kwn [daN/c m³]	Kwt [daN/c m³]	Estremo In.						Estremo Fin.					
										SpoX	SpoY	SpoZ	RotX	RotY	RotZ	SpoX	SpoY	SpoZ	RotX	RotY	RotZ

3.6.4 Caratteristiche delle Piastre.

La tabella seguente riporta tutte le caratteristiche relative alle piastre della struttura:

Piastra : numerazione della piastra
 Impalcato : impalcato al quale appartiene la piastra
 Fili : fili fissi ai quali appartiene la piastra
 Spess. : spessore della piastra
 Tipo : tipologia della piastra (parete o platea)
 Numero Elementi : numero di elementi che compongono la piastra
 Nome Materiale : nome del materiale usato per progettare la piastra
 KwN : modulo di Winkler normale;
 KwT : modulo di Winkler tangenziale;

Piastra	Impalcato	Fili	Spess.	Tipo	Numero Elementi	Nome Materiale	Kwn [daN /cm³]	Kwt [daN /cm³]
1	Piano 1	11-12	20.00	Parete in Cls	6	Cls1	-	-
2	Piano 1	21-11	20.00	Parete in Cls	2	Cls1	-	-
3	Piano 1	13-14	20.00	Parete in Cls	6	Cls1	-	-
4	Piano 1	14-15	20.00	Parete in Cls	6	Cls1	-	-
5	Piano 1	14-24	20.00	Parete in Cls	2	Cls1	-	-
6	Piano 1	16-17	20.00	Parete in Cls	6	Cls1	-	-
7	Piano 1	17-18	20.00	Parete in Cls	6	Cls1	-	-
8	Piano 1	17-27	20.00	Parete in Cls	2	Cls1	-	-
9	Piano 1	19-20	20.00	Parete in Cls	6	Cls1	-	-
10	Piano 1	20-30	20.00	Parete in Cls	2	Cls1	-	-
11	Piano 1	21-22	15.00	Parete in Cls	6	Cls1	-	-
12	Piano 1	31-21	20.00	Parete in Cls	2	Cls1	-	-
13	Piano 1	23-24	15.00	Parete in Cls	6	Cls1	-	-
14	Piano 1	24-25	15.00	Parete in Cls	6	Cls1	-	-
15	Piano 1	24-34	20.00	Parete in Cls	2	Cls1	-	-
16	Piano 1	26-27	15.00	Parete in Cls	6	Cls1	-	-
17	Piano 1	27-28	15.00	Parete in Cls	6	Cls1	-	-
18	Piano 1	27-37	20.00	Parete in Cls	2	Cls1	-	-
19	Piano 1	29-30	15.00	Parete in Cls	6	Cls1	-	-
20	Piano 1	30-40	20.00	Parete in Cls	2	Cls1	-	-
21	Piano 1	31-32	15.00	Parete in Cls	6	Cls1	-	-
22	Piano 1	41-31	20.00	Parete in Cls	2	Cls1	-	-
23	Piano 1	33-34	15.00	Parete in Cls	6	Cls1	-	-
24	Piano 1	34-35	15.00	Parete in Cls	6	Cls1	-	-
25	Piano 1	34-44	20.00	Parete in Cls	2	Cls1	-	-
26	Piano 1	36-37	15.00	Parete in Cls	6	Cls1	-	-
27	Piano 1	37-38	15.00	Parete in Cls	6	Cls1	-	-
28	Piano 1	37-47	20.00	Parete in Cls	2	Cls1	-	-
29	Piano 1	39-40	15.00	Parete in Cls	6	Cls1	-	-
30	Piano 1	40-50	20.00	Parete in Cls	2	Cls1	-	-
31	Piano 1	41-42	15.00	Parete in Cls	6	Cls1	-	-
32	Piano 1	51-41	20.00	Parete in Cls	4	Cls1	-	-
33	Piano 1	43-44	15.00	Parete in Cls	6	Cls1	-	-
34	Piano 1	44-45	15.00	Parete in Cls	6	Cls1	-	-
35	Piano 1	44-54	20.00	Parete in Cls	4	Cls1	-	-
36	Piano 1	46-47	15.00	Parete in Cls	6	Cls1	-	-
37	Piano 1	47-48	15.00	Parete in Cls	6	Cls1	-	-
38	Piano 1	47-57	20.00	Parete in Cls	4	Cls1	-	-
39	Piano 1	49-50	15.00	Parete in Cls	6	Cls1	-	-
40	Piano 1	50-60	20.00	Parete in Cls	4	Cls1	-	-
41	Piano 1	51-52	20.00	Parete in Cls	6	Cls1	-	-
42	Piano 1	52-53	20.00	Parete in Cls	6	Cls1	-	-
43	Piano 1	53-54	20.00	Parete in Cls	6	Cls1	-	-
44	Piano 1	54-55	20.00	Parete in Cls	6	Cls1	-	-
45	Piano 1	55-56	20.00	Parete in Cls	6	Cls1	-	-
46	Piano 1	56-57	20.00	Parete in Cls	6	Cls1	-	-
47	Piano 1	57-58	20.00	Parete in Cls	6	Cls1	-	-
48	Piano 1	58-59	20.00	Parete in Cls	6	Cls1	-	-
49	Piano 1	59-60	20.00	Parete in Cls	6	Cls1	-	-
50	Piano 2	11-12	20.00	Parete in Cls	3	Cls1	-	-
51	Piano 2	21-11	20.00	Parete in Cls	1	Cls1	-	-
52	Piano 2	13-14	20.00	Parete in Cls	3	Cls1	-	-
53	Piano 2	14-15	20.00	Parete in Cls	3	Cls1	-	-
54	Piano 2	14-24	20.00	Parete in Cls	1	Cls1	-	-
55	Piano 2	16-17	20.00	Parete in Cls	3	Cls1	-	-
56	Piano 2	17-18	20.00	Parete in Cls	3	Cls1	-	-
57	Piano 2	17-27	20.00	Parete in Cls	1	Cls1	-	-
58	Piano 2	19-20	20.00	Parete in Cls	3	Cls1	-	-
59	Piano 2	20-30	20.00	Parete in Cls	1	Cls1	-	-
60	Piano 2	21-22	15.00	Parete in Cls	3	Cls1	-	-
61	Piano 2	31-21	20.00	Parete in Cls	1	Cls1	-	-
62	Piano 2	23-24	15.00	Parete in Cls	3	Cls1	-	-
63	Piano 2	24-25	15.00	Parete in Cls	3	Cls1	-	-
64	Piano 2	24-34	20.00	Parete in Cls	1	Cls1	-	-
65	Piano 2	26-27	15.00	Parete in Cls	3	Cls1	-	-
66	Piano 2	27-28	15.00	Parete in Cls	3	Cls1	-	-
67	Piano 2	27-37	20.00	Parete in Cls	1	Cls1	-	-
68	Piano 2	29-30	15.00	Parete in Cls	3	Cls1	-	-
69	Piano 2	30-40	20.00	Parete in Cls	1	Cls1	-	-
70	Piano 2	31-32	15.00	Parete in Cls	3	Cls1	-	-

71	Piano 2	41-31	20.00	Parete in Cls	1	Cls1	-	-
72	Piano 2	33-34	15.00	Parete in Cls	3	Cls1	-	-
73	Piano 2	34-35	15.00	Parete in Cls	3	Cls1	-	-
74	Piano 2	34-44	20.00	Parete in Cls	1	Cls1	-	-
75	Piano 2	36-37	15.00	Parete in Cls	3	Cls1	-	-
76	Piano 2	37-38	15.00	Parete in Cls	3	Cls1	-	-
77	Piano 2	37-47	20.00	Parete in Cls	1	Cls1	-	-
78	Piano 2	39-40	15.00	Parete in Cls	3	Cls1	-	-
79	Piano 2	40-50	20.00	Parete in Cls	1	Cls1	-	-
80	Piano 2	41-42	15.00	Parete in Cls	3	Cls1	-	-
81	Piano 2	51-41	20.00	Parete in Cls	2	Cls1	-	-
82	Piano 2	43-44	15.00	Parete in Cls	3	Cls1	-	-
83	Piano 2	44-45	15.00	Parete in Cls	3	Cls1	-	-
84	Piano 2	44-54	20.00	Parete in Cls	2	Cls1	-	-
85	Piano 2	46-47	15.00	Parete in Cls	3	Cls1	-	-
86	Piano 2	47-48	15.00	Parete in Cls	3	Cls1	-	-
87	Piano 2	47-57	20.00	Parete in Cls	2	Cls1	-	-
88	Piano 2	49-50	15.00	Parete in Cls	3	Cls1	-	-
89	Piano 2	50-60	20.00	Parete in Cls	2	Cls1	-	-
90	Piano 2	51-52	20.00	Parete in Cls	3	Cls1	-	-
91	Piano 2	52-53	20.00	Parete in Cls	2	Cls1	-	-
92	Piano 2	53-54	20.00	Parete in Cls	3	Cls1	-	-
93	Piano 2	54-55	20.00	Parete in Cls	3	Cls1	-	-
94	Piano 2	55-56	20.00	Parete in Cls	7	Cls1	-	-
95	Piano 2	56-57	20.00	Parete in Cls	5	Cls1	-	-
96	Piano 2	57-58	20.00	Parete in Cls	3	Cls1	-	-
97	Piano 2	58-59	20.00	Parete in Cls	5	Cls1	-	-
98	Piano 2	59-60	20.00	Parete in Cls	3	Cls1	-	-
99	Piano 3	11-12	20.00	Parete in Cls	3	Cls1	-	-
100	Piano 3	21-11	20.00	Parete in Cls	1	Cls1	-	-
101	Piano 3	13-14	20.00	Parete in Cls	3	Cls1	-	-
102	Piano 3	14-15	20.00	Parete in Cls	3	Cls1	-	-
103	Piano 3	14-24	20.00	Parete in Cls	1	Cls1	-	-
104	Piano 3	16-17	20.00	Parete in Cls	3	Cls1	-	-
105	Piano 3	17-18	20.00	Parete in Cls	3	Cls1	-	-
106	Piano 3	17-27	20.00	Parete in Cls	1	Cls1	-	-
107	Piano 3	19-20	20.00	Parete in Cls	3	Cls1	-	-
108	Piano 3	20-30	20.00	Parete in Cls	1	Cls1	-	-
109	Piano 3	21-22	15.00	Parete in Cls	3	Cls1	-	-
110	Piano 3	31-21	20.00	Parete in Cls	1	Cls1	-	-
111	Piano 3	23-24	15.00	Parete in Cls	3	Cls1	-	-
112	Piano 3	24-25	15.00	Parete in Cls	3	Cls1	-	-
113	Piano 3	24-34	20.00	Parete in Cls	1	Cls1	-	-
114	Piano 3	26-27	15.00	Parete in Cls	3	Cls1	-	-
115	Piano 3	27-28	15.00	Parete in Cls	3	Cls1	-	-
116	Piano 3	27-37	20.00	Parete in Cls	1	Cls1	-	-
117	Piano 3	29-30	15.00	Parete in Cls	3	Cls1	-	-
118	Piano 3	30-40	20.00	Parete in Cls	1	Cls1	-	-
119	Piano 3	31-32	15.00	Parete in Cls	3	Cls1	-	-
120	Piano 3	41-31	20.00	Parete in Cls	1	Cls1	-	-
121	Piano 3	33-34	15.00	Parete in Cls	3	Cls1	-	-
122	Piano 3	34-35	15.00	Parete in Cls	3	Cls1	-	-
123	Piano 3	34-44	20.00	Parete in Cls	1	Cls1	-	-
124	Piano 3	36-37	15.00	Parete in Cls	3	Cls1	-	-
125	Piano 3	37-38	15.00	Parete in Cls	3	Cls1	-	-
126	Piano 3	37-47	20.00	Parete in Cls	1	Cls1	-	-
127	Piano 3	39-40	15.00	Parete in Cls	3	Cls1	-	-
128	Piano 3	40-50	20.00	Parete in Cls	1	Cls1	-	-
129	Piano 3	41-42	15.00	Parete in Cls	3	Cls1	-	-
130	Piano 3	51-41	20.00	Parete in Cls	2	Cls1	-	-
131	Piano 3	43-44	15.00	Parete in Cls	3	Cls1	-	-
132	Piano 3	44-45	15.00	Parete in Cls	3	Cls1	-	-
133	Piano 3	44-54	20.00	Parete in Cls	2	Cls1	-	-
134	Piano 3	46-47	15.00	Parete in Cls	3	Cls1	-	-
135	Piano 3	47-48	15.00	Parete in Cls	3	Cls1	-	-
136	Piano 3	47-57	20.00	Parete in Cls	2	Cls1	-	-
137	Piano 3	49-50	15.00	Parete in Cls	3	Cls1	-	-
138	Piano 3	50-60	20.00	Parete in Cls	2	Cls1	-	-
139	Piano 3	51-52	20.00	Parete in Cls	6	Cls1	-	-
140	Piano 3	52-53	20.00	Parete in Cls	12	Cls1	-	-
141	Piano 3	53-54	20.00	Parete in Cls	3	Cls1	-	-
142	Piano 3	54-55	20.00	Parete in Cls	3	Cls1	-	-
143	Piano 3	55-56	20.00	Parete in Cls	11	Cls1	-	-

144	Piano 3	56-57	20.00	Parete in Cls	6	Cls1	-	-
145	Piano 3	57-58	20.00	Parete in Cls	3	Cls1	-	-
146	Piano 3	58-59	20.00	Parete in Cls	12	Cls1	-	-
147	Piano 3	59-60	20.00	Parete in Cls	3	Cls1	-	-
148	Piano 4	11-12	20.00	Parete in Cls	3	Cls1	-	-
149	Piano 4	21-11	20.00	Parete in Cls	1	Cls1	-	-
150	Piano 4	13-14	20.00	Parete in Cls	3	Cls1	-	-
151	Piano 4	14-15	20.00	Parete in Cls	3	Cls1	-	-
152	Piano 4	14-24	20.00	Parete in Cls	1	Cls1	-	-
153	Piano 4	16-17	20.00	Parete in Cls	3	Cls1	-	-
154	Piano 4	17-18	20.00	Parete in Cls	3	Cls1	-	-
155	Piano 4	17-27	15.00	Parete in Cls	1	Cls1	-	-
156	Piano 4	19-20	20.00	Parete in Cls	3	Cls1	-	-
157	Piano 4	20-30	20.00	Parete in Cls	1	Cls1	-	-
158	Piano 4	21-22	15.00	Parete in Cls	3	Cls1	-	-
159	Piano 4	31-21	20.00	Parete in Cls	1	Cls1	-	-
160	Piano 4	23-24	15.00	Parete in Cls	3	Cls1	-	-
161	Piano 4	24-25	15.00	Parete in Cls	3	Cls1	-	-
162	Piano 4	24-34	20.00	Parete in Cls	1	Cls1	-	-
163	Piano 4	26-27	15.00	Parete in Cls	3	Cls1	-	-
164	Piano 4	27-28	15.00	Parete in Cls	3	Cls1	-	-
165	Piano 4	27-37	15.00	Parete in Cls	1	Cls1	-	-
166	Piano 4	29-30	15.00	Parete in Cls	3	Cls1	-	-
167	Piano 4	30-40	20.00	Parete in Cls	1	Cls1	-	-
168	Piano 4	31-32	15.00	Parete in Cls	3	Cls1	-	-
169	Piano 4	41-31	20.00	Parete in Cls	1	Cls1	-	-
170	Piano 4	33-34	15.00	Parete in Cls	3	Cls1	-	-
171	Piano 4	34-35	15.00	Parete in Cls	3	Cls1	-	-
172	Piano 4	34-44	20.00	Parete in Cls	1	Cls1	-	-
173	Piano 4	36-37	15.00	Parete in Cls	3	Cls1	-	-
174	Piano 4	37-38	15.00	Parete in Cls	3	Cls1	-	-
175	Piano 4	37-47	15.00	Parete in Cls	1	Cls1	-	-
176	Piano 4	39-40	15.00	Parete in Cls	3	Cls1	-	-
177	Piano 4	40-50	20.00	Parete in Cls	1	Cls1	-	-
178	Piano 4	41-42	15.00	Parete in Cls	3	Cls1	-	-
179	Piano 4	51-41	20.00	Parete in Cls	2	Cls1	-	-
180	Piano 4	43-44	15.00	Parete in Cls	3	Cls1	-	-
181	Piano 4	44-45	15.00	Parete in Cls	3	Cls1	-	-
182	Piano 4	44-54	20.00	Parete in Cls	2	Cls1	-	-
183	Piano 4	46-47	15.00	Parete in Cls	3	Cls1	-	-
184	Piano 4	47-48	15.00	Parete in Cls	3	Cls1	-	-
185	Piano 4	47-57	15.00	Parete in Cls	2	Cls1	-	-
186	Piano 4	49-50	15.00	Parete in Cls	3	Cls1	-	-
187	Piano 4	50-60	20.00	Parete in Cls	2	Cls1	-	-
188	Piano 4	51-52	20.00	Parete in Cls	3	Cls1	-	-
189	Piano 4	52-53	20.00	Parete in Cls	6	Cls1	-	-
190	Piano 4	53-54	20.00	Parete in Cls	3	Cls1	-	-
191	Piano 4	54-55	20.00	Parete in Cls	3	Cls1	-	-
192	Piano 4	55-56	20.00	Parete in Cls	7	Cls1	-	-
193	Piano 4	56-57	20.00	Parete in Cls	3	Cls1	-	-
194	Piano 4	57-58	20.00	Parete in Cls	3	Cls1	-	-
195	Piano 4	58-59	20.00	Parete in Cls	5	Cls1	-	-
196	Piano 4	59-60	20.00	Parete in Cls	3	Cls1	-	-
197	Piano 5	11-12	20.00	Parete in Cls	3	Cls1	-	-
198	Piano 5	21-11	20.00	Parete in Cls	1	Cls1	-	-
199	Piano 5	13-14	20.00	Parete in Cls	3	Cls1	-	-
200	Piano 5	14-15	20.00	Parete in Cls	3	Cls1	-	-
201	Piano 5	14-24	20.00	Parete in Cls	1	Cls1	-	-
202	Piano 5	16-17	20.00	Parete in Cls	3	Cls1	-	-
203	Piano 5	17-18	20.00	Parete in Cls	3	Cls1	-	-
204	Piano 5	17-27	15.00	Parete in Cls	1	Cls1	-	-
205	Piano 5	19-20	20.00	Parete in Cls	3	Cls1	-	-
206	Piano 5	20-30	20.00	Parete in Cls	1	Cls1	-	-
207	Piano 5	21-22	15.00	Parete in Cls	3	Cls1	-	-
208	Piano 5	31-21	20.00	Parete in Cls	1	Cls1	-	-
209	Piano 5	23-24	15.00	Parete in Cls	3	Cls1	-	-
210	Piano 5	24-25	15.00	Parete in Cls	3	Cls1	-	-
211	Piano 5	24-34	20.00	Parete in Cls	1	Cls1	-	-
212	Piano 5	26-27	15.00	Parete in Cls	3	Cls1	-	-
213	Piano 5	27-28	15.00	Parete in Cls	3	Cls1	-	-
214	Piano 5	27-37	15.00	Parete in Cls	1	Cls1	-	-
215	Piano 5	29-30	15.00	Parete in Cls	3	Cls1	-	-
216	Piano 5	30-40	20.00	Parete in Cls	1	Cls1	-	-

217	Piano 5	31-32	15.00	Parete in Cls	3	Cls1	-	-
218	Piano 5	41-31	20.00	Parete in Cls	1	Cls1	-	-
219	Piano 5	33-34	15.00	Parete in Cls	3	Cls1	-	-
220	Piano 5	34-35	15.00	Parete in Cls	3	Cls1	-	-
221	Piano 5	34-44	20.00	Parete in Cls	1	Cls1	-	-
222	Piano 5	36-37	15.00	Parete in Cls	3	Cls1	-	-
223	Piano 5	37-38	15.00	Parete in Cls	3	Cls1	-	-
224	Piano 5	37-47	15.00	Parete in Cls	1	Cls1	-	-
225	Piano 5	39-40	15.00	Parete in Cls	3	Cls1	-	-
226	Piano 5	40-50	20.00	Parete in Cls	1	Cls1	-	-
227	Piano 5	41-42	15.00	Parete in Cls	3	Cls1	-	-
228	Piano 5	51-41	20.00	Parete in Cls	2	Cls1	-	-
229	Piano 5	43-44	15.00	Parete in Cls	3	Cls1	-	-
230	Piano 5	44-45	15.00	Parete in Cls	3	Cls1	-	-
231	Piano 5	44-54	20.00	Parete in Cls	2	Cls1	-	-
232	Piano 5	46-47	15.00	Parete in Cls	3	Cls1	-	-
233	Piano 5	47-48	15.00	Parete in Cls	3	Cls1	-	-
234	Piano 5	47-57	15.00	Parete in Cls	2	Cls1	-	-
235	Piano 5	49-50	15.00	Parete in Cls	3	Cls1	-	-
236	Piano 5	50-60	20.00	Parete in Cls	2	Cls1	-	-
237	Piano 5	51-52	20.00	Parete in Cls	3	Cls1	-	-
238	Piano 5	52-53	20.00	Parete in Cls	3	Cls1	-	-
239	Piano 5	53-54	20.00	Parete in Cls	3	Cls1	-	-
240	Piano 5	54-55	20.00	Parete in Cls	3	Cls1	-	-
241	Piano 5	55-56	20.00	Parete in Cls	3	Cls1	-	-
242	Piano 5	56-57	20.00	Parete in Cls	3	Cls1	-	-
243	Piano 5	57-58	20.00	Parete in Cls	3	Cls1	-	-
244	Piano 5	58-59	20.00	Parete in Cls	3	Cls1	-	-
245	Piano 5	59-60	20.00	Parete in Cls	3	Cls1	-	-
246	Fondazione	11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 30, 40, 50, 60, 58, 56, 55, 54, 53, 52, 51, 41, 31, 21	80.00	Platea Cls	169	Cls1	0.95	0.67
247	Piano 1	21, 11, 12, 22	15.00	Platea Cls	3	Cls2	-	-
248	Piano 1	31, 21, 22, 32	15.00	Platea Cls	3	Cls1	-	-
249	Piano 1	41, 31, 32, 42	15.00	Platea Cls	3	Cls1	-	-
250	Piano 1	51, 41, 42, 52	15.00	Platea Cls	6	Cls1	-	-
251	Piano 1	13, 14, 24, 23	15.00	Platea Cls	3	Cls1	-	-
252	Piano 1	33, 23, 24, 34	15.00	Platea Cls	3	Cls1	-	-
253	Piano 1	43, 33, 34, 44	15.00	Platea Cls	3	Cls1	-	-
254	Piano 1	53, 43, 44, 54	15.00	Platea Cls	6	Cls1	-	-
255	Piano 1	24, 14, 15, 25	15.00	Platea Cls	3	Cls1	-	-
256	Piano 1	24, 25, 35, 34	15.00	Platea Cls	3	Cls1	-	-
257	Piano 1	34, 35, 45, 44	15.00	Platea Cls	3	Cls1	-	-
258	Piano 1	44, 45, 55, 54	15.00	Platea Cls	6	Cls1	-	-
259	Piano 1	26, 16, 17, 27	15.00	Platea Cls	3	Cls1	-	-
260	Piano 1	36, 26, 27, 37	15.00	Platea Cls	3	Cls1	-	-
261	Piano 1	46, 36, 37, 47	15.00	Platea Cls	3	Cls1	-	-
262	Piano 1	56, 46, 47, 57	15.00	Platea Cls	6	Cls1	-	-
263	Piano 1	47, 48, 58, 57	15.00	Platea Cls	6	Cls1	-	-
264	Piano 1	37, 38, 48, 47	15.00	Platea Cls	3	Cls1	-	-
265	Piano 1	27, 28, 38,	15.00	Platea Cls	3	Cls1	-	-

		37						
266	Piano 1	17, 18, 28, 27	15.00	Platea Cls	3	Cls1	-	-
267	Piano 1	29, 19, 20, 30	15.00	Platea Cls	3	Cls1	-	-
268	Piano 1	39, 29, 30, 40	15.00	Platea Cls	3	Cls1	-	-
269	Piano 1	49, 39, 40, 50	15.00	Platea Cls	3	Cls1	-	-
270	Piano 1	59, 49, 50, 60	15.00	Platea Cls	6	Cls1	-	-
271	Piano 2	21, 11, 12, 22	15.00	Platea Cls	3	Cls2	-	-
272	Piano 2	31, 21, 22, 32	15.00	Platea Cls	3	Cls1	-	-
273	Piano 2	41, 31, 32, 42	15.00	Platea Cls	3	Cls1	-	-
274	Piano 2	51, 41, 42, 52	15.00	Platea Cls	6	Cls1	-	-
275	Piano 2	13, 14, 24, 23	15.00	Platea Cls	3	Cls1	-	-
276	Piano 2	33, 23, 24, 34	15.00	Platea Cls	3	Cls1	-	-
277	Piano 2	43, 33, 34, 44	15.00	Platea Cls	3	Cls1	-	-
278	Piano 2	53, 43, 44, 54	15.00	Platea Cls	6	Cls1	-	-
279	Piano 2	24, 14, 15, 25	15.00	Platea Cls	3	Cls1	-	-
280	Piano 2	24, 25, 35, 34	15.00	Platea Cls	3	Cls1	-	-
281	Piano 2	34, 35, 45, 44	15.00	Platea Cls	3	Cls1	-	-
282	Piano 2	44, 45, 55, 54	15.00	Platea Cls	6	Cls1	-	-
283	Piano 2	26, 16, 17, 27	15.00	Platea Cls	3	Cls1	-	-
284	Piano 2	36, 26, 27, 37	15.00	Platea Cls	3	Cls1	-	-
285	Piano 2	46, 36, 37, 47	15.00	Platea Cls	3	Cls1	-	-
286	Piano 2	56, 46, 47, 57	15.00	Platea Cls	6	Cls1	-	-
287	Piano 2	47, 48, 58, 57	15.00	Platea Cls	6	Cls1	-	-
288	Piano 2	37, 38, 48, 47	15.00	Platea Cls	3	Cls1	-	-
289	Piano 2	27, 28, 38, 37	15.00	Platea Cls	3	Cls1	-	-
290	Piano 2	17, 18, 28, 27	15.00	Platea Cls	3	Cls1	-	-
291	Piano 2	29, 19, 20, 30	15.00	Platea Cls	3	Cls1	-	-
292	Piano 2	39, 29, 30, 40	15.00	Platea Cls	3	Cls1	-	-
293	Piano 2	49, 39, 40, 50	15.00	Platea Cls	3	Cls1	-	-
294	Piano 2	59, 49, 50, 60	15.00	Platea Cls	6	Cls1	-	-
295	Piano 3	21, 11, 12, 22	15.00	Platea Cls	3	Cls2	-	-
296	Piano 3	31, 21, 22, 32	15.00	Platea Cls	3	Cls1	-	-
297	Piano 3	41, 31, 32, 42	15.00	Platea Cls	3	Cls1	-	-
298	Piano 3	51, 41, 42, 52	15.00	Platea Cls	6	Cls1	-	-
299	Piano 3	13, 14, 24, 23	15.00	Platea Cls	3	Cls1	-	-
300	Piano 3	33, 23, 24, 34	15.00	Platea Cls	3	Cls1	-	-
301	Piano 3	43, 33, 34, 44	15.00	Platea Cls	3	Cls1	-	-
302	Piano 3	53, 43, 44, 54	15.00	Platea Cls	6	Cls1	-	-

303	Piano 3	24, 14, 15, 25	15.00	Platea Cls	3	Cls1	-	-
304	Piano 3	24, 25, 35, 34	15.00	Platea Cls	3	Cls1	-	-
305	Piano 3	34, 35, 45, 44	15.00	Platea Cls	3	Cls1	-	-
306	Piano 3	44, 45, 55, 54	15.00	Platea Cls	6	Cls1	-	-
307	Piano 3	26, 16, 17, 27	15.00	Platea Cls	3	Cls1	-	-
308	Piano 3	36, 26, 27, 37	15.00	Platea Cls	3	Cls1	-	-
309	Piano 3	46, 36, 37, 47	15.00	Platea Cls	3	Cls1	-	-
310	Piano 3	56, 46, 47, 57	15.00	Platea Cls	6	Cls1	-	-
311	Piano 3	47, 48, 58, 57	15.00	Platea Cls	6	Cls1	-	-
312	Piano 3	37, 38, 48, 47	15.00	Platea Cls	3	Cls1	-	-
313	Piano 3	27, 28, 38, 37	15.00	Platea Cls	3	Cls1	-	-
314	Piano 3	17, 18, 28, 27	15.00	Platea Cls	3	Cls1	-	-
315	Piano 3	29, 19, 20, 30	15.00	Platea Cls	3	Cls1	-	-
316	Piano 3	39, 29, 30, 40	15.00	Platea Cls	3	Cls1	-	-
317	Piano 3	49, 39, 40, 50	15.00	Platea Cls	3	Cls1	-	-
318	Piano 3	59, 49, 50, 60	15.00	Platea Cls	6	Cls1	-	-
319	Piano 4	11, 1, 2, 12	15.00	Platea Cls	6	Cls1	-	-
320	Piano 4	13, 3, 4, 14	15.00	Platea Cls	6	Cls1	-	-
321	Piano 4	14, 4, 5, 15	15.00	Platea Cls	6	Cls1	-	-
322	Piano 4	16, 6, 7, 17	15.00	Platea Cls	6	Cls1	-	-
323	Piano 4	7, 8, 18, 17	15.00	Platea Cls	6	Cls1	-	-
324	Piano 4	9, 10, 20, 19	15.00	Platea Cls	6	Cls1	-	-
325	Piano 5	21, 11, 12, 22	20.00	Platea Cls	3	Cls2	-	-
326	Piano 5	31, 21, 22, 32	20.00	Platea Cls	3	Cls1	-	-
327	Piano 5	41, 31, 32, 42	20.00	Platea Cls	3	Cls1	-	-
328	Piano 5	51, 41, 42, 52	20.00	Platea Cls	6	Cls1	-	-
329	Piano 5	13, 14, 24, 23	20.00	Platea Cls	3	Cls1	-	-
330	Piano 5	33, 23, 24, 34	20.00	Platea Cls	3	Cls1	-	-
331	Piano 5	43, 33, 34, 44	20.00	Platea Cls	3	Cls1	-	-
332	Piano 5	53, 43, 44, 54	20.00	Platea Cls	6	Cls1	-	-
333	Piano 5	24, 14, 15, 25	20.00	Platea Cls	3	Cls1	-	-
334	Piano 5	24, 25, 35, 34	20.00	Platea Cls	3	Cls1	-	-
335	Piano 5	34, 35, 45, 44	20.00	Platea Cls	3	Cls1	-	-
336	Piano 5	44, 45, 55, 54	20.00	Platea Cls	6	Cls1	-	-
337	Piano 5	26, 16, 17, 27	20.00	Platea Cls	3	Cls1	-	-
338	Piano 5	36, 26, 27, 37	20.00	Platea Cls	3	Cls1	-	-
339	Piano 5	46, 36, 37, 47	20.00	Platea Cls	3	Cls1	-	-
340	Piano 5	56, 46, 47, 57	20.00	Platea Cls	6	Cls1	-	-
341	Piano 5	47, 48, 58, 57	20.00	Platea Cls	6	Cls1	-	-
342	Piano 5	37, 38, 48, 47	20.00	Platea Cls	3	Cls1	-	-
343	Piano 5	27, 28, 38, 37	20.00	Platea Cls	3	Cls1	-	-

		37						
344	Piano 5	17, 18, 28, 27	20.00	Platea Cls	3	Cls1	-	-
345	Piano 5	29, 19, 20, 30	20.00	Platea Cls	3	Cls1	-	-
346	Piano 5	39, 29, 30, 40	20.00	Platea Cls	3	Cls1	-	-
347	Piano 5	49, 39, 40, 50	20.00	Platea Cls	3	Cls1	-	-
348	Piano 5	59, 49, 50, 60	20.00	Platea Cls	6	Cls1	-	-
349	Piano 5	12, 13, 23, 33, 43, 53, 52, 42, 32, 22	10.00	Platea Cls	15	Cls1	-	-
350	Piano 5	15, 16, 26, 36, 46, 56, 55, 45, 35, 25	10.00	Platea Cls	15	Cls1	-	-
351	Piano 5	18, 19, 29, 39, 49, 59, 58, 48, 38, 28	10.00	Platea Cls	15	Cls1	-	-

3.6.5 Carichi distribuiti sugli elementi.

Carichi Locali distribuiti sulle Piastre

Piastra : numero della piastra come da paragrafo "Caratteristiche delle piastre";
 Imp. : impalcato al quale appartiene la piastra;
 Fili : fili fissi ai quali appartiene la piastra;
 C.C. : condizione di carico come da paragrafo "Condizioni di carico valutate";
 DLoc : direzione dei carichi secondo il sistema di riferimento locale della piastra;

Piastra	Imp.	Fili	C.C.	DLoc X [daN/m²]	DLoc Y [daN/m²]	DLoc Z [daN/m²]
1	Fondazio ne	11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 30, 40, 50, 60, 58, 56, 55, 54, 53, 52, 51, 41, 31, 21	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
2	Piano 1	21, 11, 12, 22	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
3	Piano 1	31, 21, 22, 32	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
4	Piano 1	41, 31, 32, 42	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
5	Piano 1	51, 41, 42, 52	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
6	Piano 1	13, 14, 24, 23	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
7	Piano 1	33, 23, 24, 34	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
8	Piano 1	43, 33, 34,	Car. Permanenti G1	0.00	0.00	0.00

		44				
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
9	Piano 1	53, 43, 44, 54	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
10	Piano 1	24, 14, 15, 25	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
11	Piano 1	24, 25, 35, 34	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
12	Piano 1	34, 35, 45, 44	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
13	Piano 1	44, 45, 55, 54	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
14	Piano 1	26, 16, 17, 27	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
15	Piano 1	36, 26, 27, 37	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
16	Piano 1	46, 36, 37, 47	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
17	Piano 1	56, 46, 47, 57	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
18	Piano 1	47, 48, 58, 57	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
19	Piano 1	37, 38, 48, 47	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
20	Piano 1	27, 28, 38, 37	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
21	Piano 1	17, 18, 28, 27	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
22	Piano 1	29, 19, 20, 30	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
23	Piano 1	39, 29, 30, 40	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
24	Piano 1	49, 39, 40, 50	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
25	Piano 1	59, 49, 50, 60	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
26	Piano 2	21, 11, 12, 22	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00

			Car. d'Esercizio	0.00	0.00	0.00
27	Piano 2	31, 21, 22, 32	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
28	Piano 2	41, 31, 32, 42	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
29	Piano 2	51, 41, 42, 52	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
30	Piano 2	13, 14, 24, 23	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
31	Piano 2	33, 23, 24, 34	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
32	Piano 2	43, 33, 34, 44	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
33	Piano 2	53, 43, 44, 54	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
34	Piano 2	24, 14, 15, 25	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
35	Piano 2	24, 25, 35, 34	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
36	Piano 2	34, 35, 45, 44	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
37	Piano 2	44, 45, 55, 54	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
38	Piano 2	26, 16, 17, 27	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
39	Piano 2	36, 26, 27, 37	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
40	Piano 2	46, 36, 37, 47	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
41	Piano 2	56, 46, 47, 57	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
42	Piano 2	47, 48, 58, 57	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
43	Piano 2	37, 38, 48, 47	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
44	Piano 2	27, 28, 38, 37	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
45	Piano 2	17, 18, 28,	Car. Permanenti G1	0.00	0.00	0.00

		27				
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
46	Piano 2	29, 19, 20, 30	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
47	Piano 2	39, 29, 30, 40	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
48	Piano 2	49, 39, 40, 50	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
49	Piano 2	59, 49, 50, 60	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
50	Piano 3	21, 11, 12, 22	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
51	Piano 3	31, 21, 22, 32	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
52	Piano 3	41, 31, 32, 42	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
53	Piano 3	51, 41, 42, 52	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
54	Piano 3	13, 14, 24, 23	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
55	Piano 3	33, 23, 24, 34	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
56	Piano 3	43, 33, 34, 44	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
57	Piano 3	53, 43, 44, 54	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
58	Piano 3	24, 14, 15, 25	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
59	Piano 3	24, 25, 35, 34	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
60	Piano 3	34, 35, 45, 44	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
61	Piano 3	44, 45, 55, 54	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
62	Piano 3	26, 16, 17, 27	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
63	Piano 3	36, 26, 27, 37	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00

			Car. d'Esercizio	0.00	0.00	0.00
64	Piano 3	46, 36, 37, 47	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
65	Piano 3	56, 46, 47, 57	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
66	Piano 3	47, 48, 58, 57	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
67	Piano 3	37, 38, 48, 47	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
68	Piano 3	27, 28, 38, 37	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
69	Piano 3	17, 18, 28, 27	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
70	Piano 3	29, 19, 20, 30	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
71	Piano 3	39, 29, 30, 40	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
72	Piano 3	49, 39, 40, 50	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
73	Piano 3	59, 49, 50, 60	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
74	Piano 4	11, 1, 2, 12	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
75	Piano 4	13, 3, 4, 14	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
76	Piano 4	14, 4, 5, 15	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
77	Piano 4	16, 6, 7, 17	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
78	Piano 4	7, 8, 18, 17	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
79	Piano 4	9, 10, 20, 19	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
80	Piano 5	21, 11, 12, 22	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
81	Piano 5	31, 21, 22, 32	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
82	Piano 5	41, 31, 32, 42	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
83	Piano 5	51, 41, 42, 52	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00

			Car. d'Esercizio	0.00	0.00	0.00
84	Piano 5	13, 14, 24, 23	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
85	Piano 5	33, 23, 24, 34	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
86	Piano 5	43, 33, 34, 44	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
87	Piano 5	53, 43, 44, 54	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
88	Piano 5	24, 14, 15, 25	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
89	Piano 5	24, 25, 35, 34	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
90	Piano 5	34, 35, 45, 44	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
91	Piano 5	44, 45, 55, 54	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
92	Piano 5	26, 16, 17, 27	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
93	Piano 5	36, 26, 27, 37	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
94	Piano 5	46, 36, 37, 47	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
95	Piano 5	56, 46, 47, 57	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
96	Piano 5	47, 48, 58, 57	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
97	Piano 5	37, 38, 48, 47	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
98	Piano 5	27, 28, 38, 37	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
99	Piano 5	17, 18, 28, 27	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
100	Piano 5	29, 19, 20, 30	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
101	Piano 5	39, 29, 30, 40	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
102	Piano 5	49, 39, 40,	Car. Permanenti G1	0.00	0.00	0.00

		50				
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
103	Piano 5	59, 49, 50, 60	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
104	Piano 5	12, 13, 23, 33, 43, 53, 52, 42, 32, 22	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
105	Piano 5	15, 16, 26, 36, 46, 56, 55, 45, 35, 25	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00
106	Piano 5	18, 19, 29, 39, 49, 59, 58, 48, 38, 28	Car. Permanenti G1	0.00	0.00	0.00
			Car. Permanenti G2	0.00	0.00	0.00
			Car. d'Esercizio	0.00	0.00	0.00

Carichi Globali distribuiti sulle Piastre

Piastra : numero della piastra come da paragrafo "Caratteristiche delle piastre";
 Imp. : impalcato al quale appartiene la piastra;
 Fili : fili fissi ai quali appartiene la piastra;
 C.C. : condizione di carico come da paragrafo "Condizioni di carico valutate";
 DGlob : direzione dei carichi secondo il sistema di riferimento globale della piastra;

Piastra	Imp.	Fili	C.C.	DGlob X [daN/m²]	DGlob Y [daN/m²]	DGlob Z [daN/m²]
1	Fondazione	11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 30, 40, 50, 60, 58, 56, 55, 54, 53, 52, 51, 41, 31, 21	Car. Permanenti G1	0.00	0.00	-2000.00
			Car. Permanenti G2	0.00	0.00	-100.00
			Car. d'Esercizio	0.00	0.00	-250.00
2	Piano 1	21, 11, 12, 22	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-100.00
			Car. d'Esercizio	0.00	0.00	-250.00
3	Piano 1	31, 21, 22, 32	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
4	Piano 1	41, 31, 32, 42	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
5	Piano 1	51, 41, 42, 52	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
6	Piano 1	13, 14, 24, 23	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
7	Piano 1	33, 23, 24, 34	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
8	Piano 1	43, 33, 34, 44	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00

			Car. d'Esercizio	0.00	0.00	-250.00
9	Piano 1	53, 43, 44, 54	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
10	Piano 1	24, 14, 15, 25	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
11	Piano 1	24, 25, 35, 34	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
12	Piano 1	34, 35, 45, 44	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
13	Piano 1	44, 45, 55, 54	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
14	Piano 1	26, 16, 17, 27	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
15	Piano 1	36, 26, 27, 37	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
16	Piano 1	46, 36, 37, 47	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
17	Piano 1	56, 46, 47, 57	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
18	Piano 1	47, 48, 58, 57	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
19	Piano 1	37, 38, 48, 47	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
20	Piano 1	27, 28, 38, 37	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
21	Piano 1	17, 18, 28, 27	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
22	Piano 1	29, 19, 20, 30	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
23	Piano 1	39, 29, 30, 40	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
24	Piano 1	49, 39, 40, 50	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
25	Piano 1	59, 49, 50, 60	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
26	Piano 2	21, 11, 12, 22	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-100.00
			Car. d'Esercizio	0.00	0.00	-250.00
27	Piano 2	31, 21, 22,	Car. Permanenti G1	0.00	0.00	-375.00

		32				
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
28	Piano 2	41, 31, 32, 42	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
29	Piano 2	51, 41, 42, 52	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
30	Piano 2	13, 14, 24, 23	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
31	Piano 2	33, 23, 24, 34	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
32	Piano 2	43, 33, 34, 44	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
33	Piano 2	53, 43, 44, 54	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
34	Piano 2	24, 14, 15, 25	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
35	Piano 2	24, 25, 35, 34	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
36	Piano 2	34, 35, 45, 44	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
37	Piano 2	44, 45, 55, 54	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
38	Piano 2	26, 16, 17, 27	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
39	Piano 2	36, 26, 27, 37	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
40	Piano 2	46, 36, 37, 47	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
41	Piano 2	56, 46, 47, 57	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
42	Piano 2	47, 48, 58, 57	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
43	Piano 2	37, 38, 48, 47	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
44	Piano 2	27, 28, 38, 37	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
45	Piano 2	17, 18, 28, 27	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00

			Car. d'Esercizio	0.00	0.00	-250.00
46	Piano 2	29, 19, 20, 30	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
47	Piano 2	39, 29, 30, 40	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
48	Piano 2	49, 39, 40, 50	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
49	Piano 2	59, 49, 50, 60	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
50	Piano 3	21, 11, 12, 22	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-100.00
			Car. d'Esercizio	0.00	0.00	-250.00
51	Piano 3	31, 21, 22, 32	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
52	Piano 3	41, 31, 32, 42	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
53	Piano 3	51, 41, 42, 52	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
54	Piano 3	13, 14, 24, 23	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
55	Piano 3	33, 23, 24, 34	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
56	Piano 3	43, 33, 34, 44	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
57	Piano 3	53, 43, 44, 54	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
58	Piano 3	24, 14, 15, 25	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
59	Piano 3	24, 25, 35, 34	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
60	Piano 3	34, 35, 45, 44	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
61	Piano 3	44, 45, 55, 54	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
62	Piano 3	26, 16, 17, 27	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
63	Piano 3	36, 26, 27, 37	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
64	Piano 3	46, 36, 37,	Car. Permanenti G1	0.00	0.00	-375.00

		47				
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
65	Piano 3	56, 46, 47, 57	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
66	Piano 3	47, 48, 58, 57	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
67	Piano 3	37, 38, 48, 47	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
68	Piano 3	27, 28, 38, 37	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
69	Piano 3	17, 18, 28, 27	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
70	Piano 3	29, 19, 20, 30	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
71	Piano 3	39, 29, 30, 40	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
72	Piano 3	49, 39, 40, 50	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
73	Piano 3	59, 49, 50, 60	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-60.00
			Car. d'Esercizio	0.00	0.00	-250.00
74	Piano 4	11, 1, 2, 12	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-100.00
			Car. d'Esercizio	0.00	0.00	-250.00
75	Piano 4	13, 3, 4, 14	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-100.00
			Car. d'Esercizio	0.00	0.00	-250.00
76	Piano 4	14, 4, 5, 15	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-100.00
			Car. d'Esercizio	0.00	0.00	-250.00
77	Piano 4	16, 6, 7, 17	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-100.00
			Car. d'Esercizio	0.00	0.00	-250.00
78	Piano 4	7, 8, 18, 17	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-100.00
			Car. d'Esercizio	0.00	0.00	-250.00
79	Piano 4	9, 10, 20, 19	Car. Permanenti G1	0.00	0.00	-375.00
			Car. Permanenti G2	0.00	0.00	-100.00
			Car. d'Esercizio	0.00	0.00	-250.00
80	Piano 5	21, 11, 12, 22	Car. Permanenti G1	0.00	0.00	-500.00
			Car. Permanenti G2	0.00	0.00	-150.00
			Car. d'Esercizio	0.00	0.00	-250.00
81	Piano 5	31, 21, 22, 32	Car. Permanenti G1	0.00	0.00	-500.00
			Car. Permanenti G2	0.00	0.00	-150.00
			Car. d'Esercizio	0.00	0.00	-250.00
82	Piano 5	41, 31, 32, 42	Car. Permanenti G1	0.00	0.00	-500.00
			Car. Permanenti G2	0.00	0.00	-150.00
			Car. d'Esercizio	0.00	0.00	-250.00
83	Piano 5	51, 41, 42, 52	Car. Permanenti G1	0.00	0.00	-500.00
			Car. Permanenti G2	0.00	0.00	-150.00
			Car. d'Esercizio	0.00	0.00	-250.00
84	Piano 5	13, 14, 24,	Car. Permanenti G1	0.00	0.00	-500.00

		23				
			Car. Permanenti G2	0.00	0.00	-150.00
			Car. d'Esercizio	0.00	0.00	-250.00
85	Piano 5	33, 23, 24, 34	Car. Permanenti G1	0.00	0.00	-500.00
			Car. Permanenti G2	0.00	0.00	-150.00
			Car. d'Esercizio	0.00	0.00	-250.00
86	Piano 5	43, 33, 34, 44	Car. Permanenti G1	0.00	0.00	-500.00
			Car. Permanenti G2	0.00	0.00	-150.00
			Car. d'Esercizio	0.00	0.00	-250.00
87	Piano 5	53, 43, 44, 54	Car. Permanenti G1	0.00	0.00	-500.00
			Car. Permanenti G2	0.00	0.00	-150.00
			Car. d'Esercizio	0.00	0.00	-250.00
88	Piano 5	24, 14, 15, 25	Car. Permanenti G1	0.00	0.00	-500.00
			Car. Permanenti G2	0.00	0.00	-150.00
			Car. d'Esercizio	0.00	0.00	-250.00
89	Piano 5	24, 25, 35, 34	Car. Permanenti G1	0.00	0.00	-500.00
			Car. Permanenti G2	0.00	0.00	-150.00
			Car. d'Esercizio	0.00	0.00	-250.00
90	Piano 5	34, 35, 45, 44	Car. Permanenti G1	0.00	0.00	-500.00
			Car. Permanenti G2	0.00	0.00	-150.00
			Car. d'Esercizio	0.00	0.00	-250.00
91	Piano 5	44, 45, 55, 54	Car. Permanenti G1	0.00	0.00	-500.00
			Car. Permanenti G2	0.00	0.00	-150.00
			Car. d'Esercizio	0.00	0.00	-250.00
92	Piano 5	26, 16, 17, 27	Car. Permanenti G1	0.00	0.00	-500.00
			Car. Permanenti G2	0.00	0.00	-150.00
			Car. d'Esercizio	0.00	0.00	-250.00
93	Piano 5	36, 26, 27, 37	Car. Permanenti G1	0.00	0.00	-500.00
			Car. Permanenti G2	0.00	0.00	-150.00
			Car. d'Esercizio	0.00	0.00	-250.00
94	Piano 5	46, 36, 37, 47	Car. Permanenti G1	0.00	0.00	-500.00
			Car. Permanenti G2	0.00	0.00	-150.00
			Car. d'Esercizio	0.00	0.00	-250.00
95	Piano 5	56, 46, 47, 57	Car. Permanenti G1	0.00	0.00	-500.00
			Car. Permanenti G2	0.00	0.00	-150.00
			Car. d'Esercizio	0.00	0.00	-250.00
96	Piano 5	47, 48, 58, 57	Car. Permanenti G1	0.00	0.00	-500.00
			Car. Permanenti G2	0.00	0.00	-150.00
			Car. d'Esercizio	0.00	0.00	-250.00
97	Piano 5	37, 38, 48, 47	Car. Permanenti G1	0.00	0.00	-500.00
			Car. Permanenti G2	0.00	0.00	-150.00
			Car. d'Esercizio	0.00	0.00	-250.00
98	Piano 5	27, 28, 38, 37	Car. Permanenti G1	0.00	0.00	-500.00
			Car. Permanenti G2	0.00	0.00	-150.00
			Car. d'Esercizio	0.00	0.00	-250.00
99	Piano 5	17, 18, 28, 27	Car. Permanenti G1	0.00	0.00	-500.00
			Car. Permanenti G2	0.00	0.00	-150.00
			Car. d'Esercizio	0.00	0.00	-250.00
100	Piano 5	29, 19, 20, 30	Car. Permanenti G1	0.00	0.00	-500.00
			Car. Permanenti G2	0.00	0.00	-150.00
			Car. d'Esercizio	0.00	0.00	-250.00
101	Piano 5	39, 29, 30, 40	Car. Permanenti G1	0.00	0.00	-500.00
			Car. Permanenti G2	0.00	0.00	-150.00
			Car. d'Esercizio	0.00	0.00	-250.00
102	Piano 5	49, 39, 40, 50	Car. Permanenti G1	0.00	0.00	-500.00
			Car. Permanenti G2	0.00	0.00	-150.00

			Car. d'Esercizio	0.00	0.00	-250.00
103	Piano 5	59, 49, 50, 60	Car. Permanenti G1	0.00	0.00	-500.00
			Car. Permanenti G2	0.00	0.00	-150.00
			Car. d'Esercizio	0.00	0.00	-250.00
104	Piano 5	12, 13, 23, 33, 43, 53, 52, 42, 32, 22	Car. Permanenti G1	0.00	0.00	-250.00
			Car. Permanenti G2	0.00	0.00	-150.00
			Car. d'Esercizio	0.00	0.00	-250.00
105	Piano 5	15, 16, 26, 36, 46, 56, 55, 45, 35, 25	Car. Permanenti G1	0.00	0.00	-250.00
			Car. Permanenti G2	0.00	0.00	-150.00
			Car. d'Esercizio	0.00	0.00	-250.00
106	Piano 5	18, 19, 29, 39, 49, 59, 58, 48, 38, 28	Car. Permanenti G1	0.00	0.00	-250.00
			Car. Permanenti G2	0.00	0.00	-150.00
			Car. d'Esercizio	0.00	0.00	-250.00

Carichi Locali lineari in testa alle Pareti

Parete : numero della piastra come da paragrafo "Caratteristiche delle pareti";
 Imp. : impalcato al quale appartiene la parete;
 Fili : fili fissi ai quali appartiene la parete;
 C.C. : condizione di carico come da paragrafo "Condizioni di carico valutate";
 DLoc : direzione dei carichi secondo il sistema di riferimento locale della parete;

Parete	Imp.	Fili	C.C.	DLoc X [daN/m]		DLoc Y [daN/m]		DLoc Z [daN/m]	
				in.	fin.	in.	fin.	in.	fin.
1	Piano 1	11-12	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
2	Piano 1	21-11	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
3	Piano 1	13-14	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
4	Piano 1	14-15	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
5	Piano 1	14-24	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
6	Piano 1	16-17	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
7	Piano 1	17-18	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
8	Piano 1	17-27	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
9	Piano 1	19-20	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
10	Piano 1	20-30	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
11	Piano 1	21-22	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
12	Piano 1	31-21	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
13	Piano 1	23-24	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00

			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
233	Piano 5	47-48	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
234	Piano 5	47-57	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
235	Piano 5	49-50	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
236	Piano 5	50-60	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
237	Piano 5	51-52	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
238	Piano 5	52-53	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
239	Piano 5	53-54	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
240	Piano 5	54-55	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
241	Piano 5	55-56	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
242	Piano 5	56-57	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
243	Piano 5	57-58	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
244	Piano 5	58-59	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
245	Piano 5	59-60	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00

Carichi Locali distribuiti sulle Pareti

Parete : numero della piastra come da paragrafo "Caratteristiche delle pareti";
 Imp. : impalcato al quale appartiene la parete;
 Fili : fili fissi ai quali appartiene la parete;
 C.C. : condizione di carico come da paragrafo "Condizioni di carico valutate";
 DLoc : direzione dei carichi secondo il sistema di riferimento locale della parete;

Parete	Imp.	Fili	C.C.	DLoc X [daN/m²]	DLoc Y [daN/m²]	DLoc Z [daN/m²]
1	Piano 1	11-12	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
2	Piano 1	21-11	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
3	Piano 1	13-14	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
4	Piano 1	14-15	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
5	Piano 1	14-24	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
6	Piano 1	16-17	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
7	Piano 1	17-18	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00

			Car. Eserc.	0.00	0.00	0.00
8	Piano 1	17-27	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
9	Piano 1	19-20	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
10	Piano 1	20-30	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
11	Piano 1	21-22	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
12	Piano 1	31-21	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
13	Piano 1	23-24	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
14	Piano 1	24-25	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
15	Piano 1	24-34	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
16	Piano 1	26-27	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
17	Piano 1	27-28	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
18	Piano 1	27-37	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
19	Piano 1	29-30	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
20	Piano 1	30-40	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
21	Piano 1	31-32	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
22	Piano 1	41-31	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
23	Piano 1	33-34	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
24	Piano 1	34-35	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
25	Piano 1	34-44	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
26	Piano 1	36-37	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
27	Piano 1	37-38	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
28	Piano 1	37-47	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
29	Piano 1	39-40	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
30	Piano 1	40-50	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
31	Piano 1	41-42	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00

32	Piano 1	51-41	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
33	Piano 1	43-44	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
34	Piano 1	44-45	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
35	Piano 1	44-54	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
36	Piano 1	46-47	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
37	Piano 1	47-48	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
38	Piano 1	47-57	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
39	Piano 1	49-50	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
40	Piano 1	50-60	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
41	Piano 1	51-52	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
42	Piano 1	52-53	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
43	Piano 1	53-54	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
44	Piano 1	54-55	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
45	Piano 1	55-56	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
46	Piano 1	56-57	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
47	Piano 1	57-58	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
48	Piano 1	58-59	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
49	Piano 1	59-60	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
50	Piano 2	11-12	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
51	Piano 2	21-11	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
52	Piano 2	13-14	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
53	Piano 2	14-15	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
54	Piano 2	14-24	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
55	Piano 2	16-17	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
56	Piano 2	17-18	Car. Perm. G1	0.00	0.00	0.00

			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
57	Piano 2	17-27	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
58	Piano 2	19-20	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
59	Piano 2	20-30	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
60	Piano 2	21-22	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
61	Piano 2	31-21	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
62	Piano 2	23-24	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
63	Piano 2	24-25	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
64	Piano 2	24-34	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
65	Piano 2	26-27	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
66	Piano 2	27-28	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
67	Piano 2	27-37	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
68	Piano 2	29-30	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
69	Piano 2	30-40	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
70	Piano 2	31-32	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
71	Piano 2	41-31	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
72	Piano 2	33-34	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
73	Piano 2	34-35	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
74	Piano 2	34-44	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
75	Piano 2	36-37	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
76	Piano 2	37-38	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
77	Piano 2	37-47	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
78	Piano 2	39-40	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
79	Piano 2	40-50	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
80	Piano 2	41-42	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00

			Car. Eserc.	0.00	0.00	0.00
81	Piano 2	51-41	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
82	Piano 2	43-44	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
83	Piano 2	44-45	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
84	Piano 2	44-54	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
85	Piano 2	46-47	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
86	Piano 2	47-48	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
87	Piano 2	47-57	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
88	Piano 2	49-50	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
89	Piano 2	50-60	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
90	Piano 2	51-52	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
91	Piano 2	52-53	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
92	Piano 2	53-54	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
93	Piano 2	54-55	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
94	Piano 2	55-56	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
95	Piano 2	56-57	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
96	Piano 2	57-58	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
97	Piano 2	58-59	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
98	Piano 2	59-60	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
99	Piano 3	11-12	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
100	Piano 3	21-11	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
101	Piano 3	13-14	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
102	Piano 3	14-15	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
103	Piano 3	14-24	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
104	Piano 3	16-17	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00

105	Piano 3	17-18	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
106	Piano 3	17-27	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
107	Piano 3	19-20	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
108	Piano 3	20-30	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
109	Piano 3	21-22	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
110	Piano 3	31-21	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
111	Piano 3	23-24	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
112	Piano 3	24-25	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
113	Piano 3	24-34	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
114	Piano 3	26-27	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
115	Piano 3	27-28	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
116	Piano 3	27-37	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
117	Piano 3	29-30	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
118	Piano 3	30-40	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
119	Piano 3	31-32	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
120	Piano 3	41-31	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
121	Piano 3	33-34	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
122	Piano 3	34-35	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
123	Piano 3	34-44	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
124	Piano 3	36-37	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
125	Piano 3	37-38	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
126	Piano 3	37-47	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
127	Piano 3	39-40	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
128	Piano 3	40-50	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
129	Piano 3	41-42	Car. Perm. G1	0.00	0.00	0.00

			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
130	Piano 3	51-41	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
131	Piano 3	43-44	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
132	Piano 3	44-45	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
133	Piano 3	44-54	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
134	Piano 3	46-47	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
135	Piano 3	47-48	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
136	Piano 3	47-57	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
137	Piano 3	49-50	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
138	Piano 3	50-60	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
139	Piano 3	51-52	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
140	Piano 3	52-53	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
141	Piano 3	53-54	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
142	Piano 3	54-55	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
143	Piano 3	55-56	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
144	Piano 3	56-57	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
145	Piano 3	57-58	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
146	Piano 3	58-59	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
147	Piano 3	59-60	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
148	Piano 4	11-12	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
149	Piano 4	21-11	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
150	Piano 4	13-14	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
151	Piano 4	14-15	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
152	Piano 4	14-24	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
153	Piano 4	16-17	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00

			Car. Eserc.	0.00	0.00	0.00
154	Piano 4	17-18	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
155	Piano 4	17-27	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
156	Piano 4	19-20	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
157	Piano 4	20-30	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
158	Piano 4	21-22	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
159	Piano 4	31-21	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
160	Piano 4	23-24	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
161	Piano 4	24-25	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
162	Piano 4	24-34	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
163	Piano 4	26-27	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
164	Piano 4	27-28	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
165	Piano 4	27-37	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
166	Piano 4	29-30	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
167	Piano 4	30-40	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
168	Piano 4	31-32	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
169	Piano 4	41-31	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
170	Piano 4	33-34	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
171	Piano 4	34-35	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
172	Piano 4	34-44	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
173	Piano 4	36-37	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
174	Piano 4	37-38	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
175	Piano 4	37-47	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
176	Piano 4	39-40	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
177	Piano 4	40-50	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00

178	Piano 4	41-42	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
179	Piano 4	51-41	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
180	Piano 4	43-44	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
181	Piano 4	44-45	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
182	Piano 4	44-54	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
183	Piano 4	46-47	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
184	Piano 4	47-48	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
185	Piano 4	47-57	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
186	Piano 4	49-50	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
187	Piano 4	50-60	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
188	Piano 4	51-52	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
189	Piano 4	52-53	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
190	Piano 4	53-54	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
191	Piano 4	54-55	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
192	Piano 4	55-56	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
193	Piano 4	56-57	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
194	Piano 4	57-58	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
195	Piano 4	58-59	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
196	Piano 4	59-60	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
197	Piano 5	11-12	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
198	Piano 5	21-11	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
199	Piano 5	13-14	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
200	Piano 5	14-15	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
201	Piano 5	14-24	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
202	Piano 5	16-17	Car. Perm. G1	0.00	0.00	0.00

			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
203	Piano 5	17-18	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
204	Piano 5	17-27	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
205	Piano 5	19-20	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
206	Piano 5	20-30	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
207	Piano 5	21-22	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
208	Piano 5	31-21	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
209	Piano 5	23-24	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
210	Piano 5	24-25	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
211	Piano 5	24-34	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
212	Piano 5	26-27	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
213	Piano 5	27-28	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
214	Piano 5	27-37	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
215	Piano 5	29-30	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
216	Piano 5	30-40	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
217	Piano 5	31-32	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
218	Piano 5	41-31	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
219	Piano 5	33-34	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
220	Piano 5	34-35	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
221	Piano 5	34-44	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
222	Piano 5	36-37	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
223	Piano 5	37-38	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
224	Piano 5	37-47	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
225	Piano 5	39-40	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
226	Piano 5	40-50	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00

			Car. Eserc.	0.00	0.00	0.00
227	Piano 5	41-42	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
228	Piano 5	51-41	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
229	Piano 5	43-44	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
230	Piano 5	44-45	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
231	Piano 5	44-54	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
232	Piano 5	46-47	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
233	Piano 5	47-48	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
234	Piano 5	47-57	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
235	Piano 5	49-50	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
236	Piano 5	50-60	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
237	Piano 5	51-52	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
238	Piano 5	52-53	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
239	Piano 5	53-54	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
240	Piano 5	54-55	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
241	Piano 5	55-56	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
242	Piano 5	56-57	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
243	Piano 5	57-58	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
244	Piano 5	58-59	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
245	Piano 5	59-60	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00

Carichi Globali lineari in testa alle Pareti

Parete : numero della piastra come da paragrafo "Caratteristiche delle pareti";
 Imp. : impalcato al quale appartiene la parete;
 Fili : fili fissi ai quali appartiene la parete;
 C.C. : condizione di carico come da paragrafo "Condizioni di carico valutate";
 DGlob : direzione dei carichi secondo il sistema di riferimento globali della parete;

Parete	Imp.	Fili	C.C.	DGlob X [daN/m]		DGlob Y [daN/m]		DGlob Z [daN/m]	
				in.	fin.	in.	fin.	in.	fin.
1	Piano 1	11-12	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00

245	Piano 5	59-60	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	-30.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	-50.00	0.00

Carichi Globali distribuiti sulle Pareti

Parete : numero della piastra come da paragrafo "Caratteristiche delle pareti";
 Imp. : impalcato al quale appartiene la parete;
 Fili : fili fissi ai quali appartiene la parete;
 C.C. : condizione di carico come da paragrafo "Condizioni di carico valutate";
 DGlob : direzione dei carichi secondo il sistema di riferimento globale della parete;

Parete	Imp.	Fili	C.C.	DGlob X [daN/m²]	DGlob Y [daN/m²]	DGlob Z [daN/m²]
1	Piano 1	11-12	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
2	Piano 1	21-11	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
3	Piano 1	13-14	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
4	Piano 1	14-15	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
5	Piano 1	14-24	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
6	Piano 1	16-17	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
7	Piano 1	17-18	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
8	Piano 1	17-27	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
9	Piano 1	19-20	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
10	Piano 1	20-30	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
11	Piano 1	21-22	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
12	Piano 1	31-21	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
13	Piano 1	23-24	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
14	Piano 1	24-25	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
15	Piano 1	24-34	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
16	Piano 1	26-27	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
17	Piano 1	27-28	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
18	Piano 1	27-37	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
19	Piano 1	29-30	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
20	Piano 1	30-40	Car. Perm. G1	0.00	0.00	-500.00

			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
21	Piano 1	31-32	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
22	Piano 1	41-31	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
23	Piano 1	33-34	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
24	Piano 1	34-35	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
25	Piano 1	34-44	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
26	Piano 1	36-37	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
27	Piano 1	37-38	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
28	Piano 1	37-47	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
29	Piano 1	39-40	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
30	Piano 1	40-50	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
31	Piano 1	41-42	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
32	Piano 1	51-41	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
33	Piano 1	43-44	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
34	Piano 1	44-45	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
35	Piano 1	44-54	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
36	Piano 1	46-47	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
37	Piano 1	47-48	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
38	Piano 1	47-57	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
39	Piano 1	49-50	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
40	Piano 1	50-60	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
41	Piano 1	51-52	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
42	Piano 1	52-53	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
43	Piano 1	53-54	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
44	Piano 1	54-55	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00

			Car. Eserc.	0.00	0.00	0.00
45	Piano 1	55-56	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
46	Piano 1	56-57	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
47	Piano 1	57-58	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
48	Piano 1	58-59	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
49	Piano 1	59-60	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
50	Piano 2	11-12	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
51	Piano 2	21-11	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
52	Piano 2	13-14	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
53	Piano 2	14-15	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
54	Piano 2	14-24	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
55	Piano 2	16-17	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
56	Piano 2	17-18	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
57	Piano 2	17-27	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
58	Piano 2	19-20	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
59	Piano 2	20-30	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
60	Piano 2	21-22	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
61	Piano 2	31-21	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
62	Piano 2	23-24	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
63	Piano 2	24-25	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
64	Piano 2	24-34	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
65	Piano 2	26-27	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
66	Piano 2	27-28	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
67	Piano 2	27-37	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
68	Piano 2	29-30	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00

69	Piano 2	30-40	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
70	Piano 2	31-32	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
71	Piano 2	41-31	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
72	Piano 2	33-34	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
73	Piano 2	34-35	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
74	Piano 2	34-44	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
75	Piano 2	36-37	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
76	Piano 2	37-38	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
77	Piano 2	37-47	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
78	Piano 2	39-40	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
79	Piano 2	40-50	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
80	Piano 2	41-42	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
81	Piano 2	51-41	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
82	Piano 2	43-44	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
83	Piano 2	44-45	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
84	Piano 2	44-54	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
85	Piano 2	46-47	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
86	Piano 2	47-48	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
87	Piano 2	47-57	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
88	Piano 2	49-50	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
89	Piano 2	50-60	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
90	Piano 2	51-52	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
91	Piano 2	52-53	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
92	Piano 2	53-54	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
93	Piano 2	54-55	Car. Perm. G1	0.00	0.00	-500.00

			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
94	Piano 2	55-56	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
95	Piano 2	56-57	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
96	Piano 2	57-58	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
97	Piano 2	58-59	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
98	Piano 2	59-60	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
99	Piano 3	11-12	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
100	Piano 3	21-11	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
101	Piano 3	13-14	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
102	Piano 3	14-15	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
103	Piano 3	14-24	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
104	Piano 3	16-17	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
105	Piano 3	17-18	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
106	Piano 3	17-27	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
107	Piano 3	19-20	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
108	Piano 3	20-30	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
109	Piano 3	21-22	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
110	Piano 3	31-21	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
111	Piano 3	23-24	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
112	Piano 3	24-25	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
113	Piano 3	24-34	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
114	Piano 3	26-27	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
115	Piano 3	27-28	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
116	Piano 3	27-37	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
117	Piano 3	29-30	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00

			Car. Eserc.	0.00	0.00	0.00
118	Piano 3	30-40	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
119	Piano 3	31-32	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
120	Piano 3	41-31	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
121	Piano 3	33-34	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
122	Piano 3	34-35	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
123	Piano 3	34-44	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
124	Piano 3	36-37	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
125	Piano 3	37-38	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
126	Piano 3	37-47	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
127	Piano 3	39-40	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
128	Piano 3	40-50	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
129	Piano 3	41-42	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
130	Piano 3	51-41	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
131	Piano 3	43-44	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
132	Piano 3	44-45	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
133	Piano 3	44-54	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
134	Piano 3	46-47	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
135	Piano 3	47-48	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
136	Piano 3	47-57	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
137	Piano 3	49-50	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
138	Piano 3	50-60	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
139	Piano 3	51-52	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
140	Piano 3	52-53	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
141	Piano 3	53-54	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00

142	Piano 3	54-55	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
143	Piano 3	55-56	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
144	Piano 3	56-57	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
145	Piano 3	57-58	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
146	Piano 3	58-59	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
147	Piano 3	59-60	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
148	Piano 4	11-12	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
149	Piano 4	21-11	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
150	Piano 4	13-14	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
151	Piano 4	14-15	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
152	Piano 4	14-24	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
153	Piano 4	16-17	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
154	Piano 4	17-18	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
155	Piano 4	17-27	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
156	Piano 4	19-20	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
157	Piano 4	20-30	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
158	Piano 4	21-22	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
159	Piano 4	31-21	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
160	Piano 4	23-24	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
161	Piano 4	24-25	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
162	Piano 4	24-34	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
163	Piano 4	26-27	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
164	Piano 4	27-28	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
165	Piano 4	27-37	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
166	Piano 4	29-30	Car. Perm. G1	0.00	0.00	-375.00

			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
167	Piano 4	30-40	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
168	Piano 4	31-32	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
169	Piano 4	41-31	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
170	Piano 4	33-34	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
171	Piano 4	34-35	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
172	Piano 4	34-44	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
173	Piano 4	36-37	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
174	Piano 4	37-38	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
175	Piano 4	37-47	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
176	Piano 4	39-40	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
177	Piano 4	40-50	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
178	Piano 4	41-42	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
179	Piano 4	51-41	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
180	Piano 4	43-44	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
181	Piano 4	44-45	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
182	Piano 4	44-54	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
183	Piano 4	46-47	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
184	Piano 4	47-48	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
185	Piano 4	47-57	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
186	Piano 4	49-50	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
187	Piano 4	50-60	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
188	Piano 4	51-52	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
189	Piano 4	52-53	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
190	Piano 4	53-54	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00

			Car. Eserc.	0.00	0.00	0.00
191	Piano 4	54-55	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
192	Piano 4	55-56	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
193	Piano 4	56-57	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
194	Piano 4	57-58	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
195	Piano 4	58-59	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
196	Piano 4	59-60	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
197	Piano 5	11-12	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
198	Piano 5	21-11	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
199	Piano 5	13-14	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
200	Piano 5	14-15	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
201	Piano 5	14-24	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
202	Piano 5	16-17	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
203	Piano 5	17-18	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
204	Piano 5	17-27	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
205	Piano 5	19-20	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
206	Piano 5	20-30	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
207	Piano 5	21-22	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
208	Piano 5	31-21	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
209	Piano 5	23-24	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
210	Piano 5	24-25	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
211	Piano 5	24-34	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
212	Piano 5	26-27	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
213	Piano 5	27-28	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
214	Piano 5	27-37	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00

215	Piano 5	29-30	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
216	Piano 5	30-40	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
217	Piano 5	31-32	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
218	Piano 5	41-31	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
219	Piano 5	33-34	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
220	Piano 5	34-35	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
221	Piano 5	34-44	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
222	Piano 5	36-37	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
223	Piano 5	37-38	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
224	Piano 5	37-47	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
225	Piano 5	39-40	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
226	Piano 5	40-50	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
227	Piano 5	41-42	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
228	Piano 5	51-41	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
229	Piano 5	43-44	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
230	Piano 5	44-45	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
231	Piano 5	44-54	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
232	Piano 5	46-47	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
233	Piano 5	47-48	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
234	Piano 5	47-57	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
235	Piano 5	49-50	Car. Perm. G1	0.00	0.00	-375.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
236	Piano 5	50-60	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
237	Piano 5	51-52	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
238	Piano 5	52-53	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
239	Piano 5	53-54	Car. Perm. G1	0.00	0.00	-500.00

			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
240	Piano 5	54-55	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
241	Piano 5	55-56	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
242	Piano 5	56-57	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
243	Piano 5	57-58	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
244	Piano 5	58-59	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
245	Piano 5	59-60	Car. Perm. G1	0.00	0.00	-500.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00

3.6.6 Carichi termici sugli elementi.

Aste

- Asta : numero dell'asta come da 3.5.2
 Imp. : impalcato al quale appartiene l'asta
 Fili : fili fissi ai quali appartiene l'asta
 Δt : delta termico costante applicato all'elemento.
 Δt_{XY} : delta termico a farfalla nel piano XY applicato all'elemento.
 h_{XY} : altezza di riferimento del delta termico nel piano XY applicato all'elemento.
 Δt_{XZ} : delta termico a farfalla nel piano XZ applicato all'elemento.
 h_{XZ} : altezza di riferimento del delta termico nel piano XZ applicato all'elemento.

Asta	Imp.	Fili	Δt [°C]	Δt_{XY} [°C]	h_{XY} [cm]	Δt_{XZ} [°C]	h_{XZ} [cm]
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Pareti

- Parete : numero della parete
 Imp. : impalcato al quale appartiene la parete
 Fili : fili fissi ai quali appartiene la parete
 Δt : salto termico applicato all'elemento.

Parete	Imp.	Fili	Δt [°C]
1	Piano 1	11-12	15.0
2	Piano 1	21-11	15.0
3	Piano 1	13-14	15.0
4	Piano 1	14-15	15.0
5	Piano 1	14-24	15.0
6	Piano 1	16-17	15.0
7	Piano 1	17-18	15.0
8	Piano 1	17-27	15.0
9	Piano 1	19-20	15.0
10	Piano 1	20-30	15.0
11	Piano 1	21-22	15.0
12	Piano 1	31-21	15.0
13	Piano 1	23-24	15.0
14	Piano 1	24-25	15.0
15	Piano 1	24-34	15.0
16	Piano 1	26-27	15.0
17	Piano 1	27-28	15.0
18	Piano 1	27-37	15.0
19	Piano 1	29-30	15.0
20	Piano 1	30-40	15.0
21	Piano 1	31-32	15.0
22	Piano 1	41-31	15.0

23	Piano 1	33-34	15.0
24	Piano 1	34-35	15.0
25	Piano 1	34-44	15.0
26	Piano 1	36-37	15.0
27	Piano 1	37-38	15.0
28	Piano 1	37-47	15.0
29	Piano 1	39-40	15.0
30	Piano 1	40-50	15.0
31	Piano 1	41-42	15.0
32	Piano 1	51-41	15.0
33	Piano 1	43-44	15.0
34	Piano 1	44-45	15.0
35	Piano 1	44-54	15.0
36	Piano 1	46-47	15.0
37	Piano 1	47-48	15.0
38	Piano 1	47-57	15.0
39	Piano 1	49-50	15.0
40	Piano 1	50-60	15.0
41	Piano 1	51-52	15.0
42	Piano 1	52-53	15.0
43	Piano 1	53-54	15.0
44	Piano 1	54-55	15.0
45	Piano 1	55-56	15.0
46	Piano 1	56-57	15.0
47	Piano 1	57-58	15.0
48	Piano 1	58-59	15.0
49	Piano 1	59-60	15.0
50	Piano 2	11-12	15.0
51	Piano 2	21-11	15.0
52	Piano 2	13-14	15.0
53	Piano 2	14-15	15.0
54	Piano 2	14-24	15.0
55	Piano 2	16-17	15.0
56	Piano 2	17-18	15.0
57	Piano 2	17-27	15.0
58	Piano 2	19-20	15.0
59	Piano 2	20-30	15.0
60	Piano 2	21-22	15.0
61	Piano 2	31-21	15.0
62	Piano 2	23-24	15.0
63	Piano 2	24-25	15.0
64	Piano 2	24-34	15.0
65	Piano 2	26-27	15.0
66	Piano 2	27-28	15.0
67	Piano 2	27-37	15.0
68	Piano 2	29-30	15.0
69	Piano 2	30-40	15.0
70	Piano 2	31-32	15.0
71	Piano 2	41-31	15.0
72	Piano 2	33-34	15.0
73	Piano 2	34-35	15.0
74	Piano 2	34-44	15.0
75	Piano 2	36-37	15.0
76	Piano 2	37-38	15.0
77	Piano 2	37-47	15.0
78	Piano 2	39-40	15.0
79	Piano 2	40-50	15.0
80	Piano 2	41-42	15.0
81	Piano 2	51-41	15.0
82	Piano 2	43-44	15.0
83	Piano 2	44-45	15.0
84	Piano 2	44-54	15.0
85	Piano 2	46-47	15.0
86	Piano 2	47-48	15.0
87	Piano 2	47-57	15.0
88	Piano 2	49-50	15.0
89	Piano 2	50-60	15.0
90	Piano 2	51-52	15.0
91	Piano 2	52-53	15.0
92	Piano 2	53-54	15.0
93	Piano 2	54-55	15.0
94	Piano 2	55-56	15.0
95	Piano 2	56-57	15.0

96	Piano 2	57-58	15.0
97	Piano 2	58-59	15.0
98	Piano 2	59-60	15.0
99	Piano 3	11-12	15.0
100	Piano 3	21-11	15.0
101	Piano 3	13-14	15.0
102	Piano 3	14-15	15.0
103	Piano 3	14-24	15.0
104	Piano 3	16-17	15.0
105	Piano 3	17-18	15.0
106	Piano 3	17-27	15.0
107	Piano 3	19-20	15.0
108	Piano 3	20-30	15.0
109	Piano 3	21-22	15.0
110	Piano 3	31-21	15.0
111	Piano 3	23-24	15.0
112	Piano 3	24-25	15.0
113	Piano 3	24-34	15.0
114	Piano 3	26-27	15.0
115	Piano 3	27-28	15.0
116	Piano 3	27-37	15.0
117	Piano 3	29-30	15.0
118	Piano 3	30-40	15.0
119	Piano 3	31-32	15.0
120	Piano 3	41-31	15.0
121	Piano 3	33-34	15.0
122	Piano 3	34-35	15.0
123	Piano 3	34-44	15.0
124	Piano 3	36-37	15.0
125	Piano 3	37-38	15.0
126	Piano 3	37-47	15.0
127	Piano 3	39-40	15.0
128	Piano 3	40-50	15.0
129	Piano 3	41-42	15.0
130	Piano 3	51-41	15.0
131	Piano 3	43-44	15.0
132	Piano 3	44-45	15.0
133	Piano 3	44-54	15.0
134	Piano 3	46-47	15.0
135	Piano 3	47-48	15.0
136	Piano 3	47-57	15.0
137	Piano 3	49-50	15.0
138	Piano 3	50-60	15.0
139	Piano 3	51-52	15.0
140	Piano 3	52-53	15.0
141	Piano 3	53-54	15.0
142	Piano 3	54-55	15.0
143	Piano 3	55-56	15.0
144	Piano 3	56-57	15.0
145	Piano 3	57-58	15.0
146	Piano 3	58-59	15.0
147	Piano 3	59-60	15.0
148	Piano 4	11-12	15.0
149	Piano 4	21-11	15.0
150	Piano 4	13-14	15.0
151	Piano 4	14-15	15.0
152	Piano 4	14-24	15.0
153	Piano 4	16-17	15.0
154	Piano 4	17-18	15.0
155	Piano 4	17-27	15.0
156	Piano 4	19-20	15.0
157	Piano 4	20-30	15.0
158	Piano 4	21-22	15.0
159	Piano 4	31-21	15.0
160	Piano 4	23-24	15.0
161	Piano 4	24-25	15.0
162	Piano 4	24-34	15.0
163	Piano 4	26-27	15.0
164	Piano 4	27-28	15.0
165	Piano 4	27-37	15.0
166	Piano 4	29-30	15.0
167	Piano 4	30-40	15.0
168	Piano 4	31-32	15.0

169	Piano 4	41-31	15.0
170	Piano 4	33-34	15.0
171	Piano 4	34-35	15.0
172	Piano 4	34-44	15.0
173	Piano 4	36-37	15.0
174	Piano 4	37-38	15.0
175	Piano 4	37-47	15.0
176	Piano 4	39-40	15.0
177	Piano 4	40-50	15.0
178	Piano 4	41-42	15.0
179	Piano 4	51-41	15.0
180	Piano 4	43-44	15.0
181	Piano 4	44-45	15.0
182	Piano 4	44-54	15.0
183	Piano 4	46-47	15.0
184	Piano 4	47-48	15.0
185	Piano 4	47-57	15.0
186	Piano 4	49-50	15.0
187	Piano 4	50-60	15.0
188	Piano 4	51-52	15.0
189	Piano 4	52-53	15.0
190	Piano 4	53-54	15.0
191	Piano 4	54-55	15.0
192	Piano 4	55-56	15.0
193	Piano 4	56-57	15.0
194	Piano 4	57-58	15.0
195	Piano 4	58-59	15.0
196	Piano 4	59-60	15.0
197	Piano 5	11-12	15.0
198	Piano 5	21-11	15.0
199	Piano 5	13-14	15.0
200	Piano 5	14-15	15.0
201	Piano 5	14-24	15.0
202	Piano 5	16-17	15.0
203	Piano 5	17-18	15.0
204	Piano 5	17-27	15.0
205	Piano 5	19-20	15.0
206	Piano 5	20-30	15.0
207	Piano 5	21-22	15.0
208	Piano 5	31-21	15.0
209	Piano 5	23-24	15.0
210	Piano 5	24-25	15.0
211	Piano 5	24-34	15.0
212	Piano 5	26-27	15.0
213	Piano 5	27-28	15.0
214	Piano 5	27-37	15.0
215	Piano 5	29-30	15.0
216	Piano 5	30-40	15.0
217	Piano 5	31-32	15.0
218	Piano 5	41-31	15.0
219	Piano 5	33-34	15.0
220	Piano 5	34-35	15.0
221	Piano 5	34-44	15.0
222	Piano 5	36-37	15.0
223	Piano 5	37-38	15.0
224	Piano 5	37-47	15.0
225	Piano 5	39-40	15.0
226	Piano 5	40-50	15.0
227	Piano 5	41-42	15.0
228	Piano 5	51-41	15.0
229	Piano 5	43-44	15.0
230	Piano 5	44-45	15.0
231	Piano 5	44-54	15.0
232	Piano 5	46-47	15.0
233	Piano 5	47-48	15.0
234	Piano 5	47-57	15.0
235	Piano 5	49-50	15.0
236	Piano 5	50-60	15.0
237	Piano 5	51-52	15.0
238	Piano 5	52-53	15.0
239	Piano 5	53-54	15.0
240	Piano 5	54-55	15.0
241	Piano 5	55-56	15.0

242	Piano 5	56-57	15.0
243	Piano 5	57-58	15.0
244	Piano 5	58-59	15.0
245	Piano 5	59-60	15.0

Platee

Platee : numero della platea
 Imp. : impalcato al quale appartiene la platea
 Fili : fili fissi ai quali appartiene la platea
 Δt : salto termico applicato all'elemento.

Platea	Imp.	Fili	Δt [°C]
2	Piano 1	21, 11, 12, 22	15.0
3	Piano 1	31, 21, 22, 32	15.0
4	Piano 1	41, 31, 32, 42	15.0
5	Piano 1	51, 41, 42, 52	15.0
6	Piano 1	13, 14, 24, 23	15.0
7	Piano 1	33, 23, 24, 34	15.0
8	Piano 1	43, 33, 34, 44	15.0
9	Piano 1	53, 43, 44, 54	15.0
10	Piano 1	24, 14, 15, 25	15.0
11	Piano 1	24, 25, 35, 34	15.0
12	Piano 1	34, 35, 45, 44	15.0
13	Piano 1	44, 45, 55, 54	15.0
14	Piano 1	26, 16, 17, 27	15.0
15	Piano 1	36, 26, 27, 37	15.0
16	Piano 1	46, 36, 37, 47	15.0
17	Piano 1	56, 46, 47, 57	15.0
18	Piano 1	47, 48, 58, 57	15.0
19	Piano 1	37, 38, 48, 47	15.0
20	Piano 1	27, 28, 38, 37	15.0
21	Piano 1	17, 18, 28, 27	15.0
22	Piano 1	29, 19, 20, 30	15.0
23	Piano 1	39, 29, 30, 40	15.0
24	Piano 1	49, 39, 40, 50	15.0
25	Piano 1	59, 49, 50, 60	15.0
26	Piano 2	21, 11, 12, 22	15.0
27	Piano 2	31, 21, 22, 32	15.0
28	Piano 2	41, 31, 32, 42	15.0
29	Piano 2	51, 41, 42, 52	15.0
30	Piano 2	13, 14, 24, 23	15.0
31	Piano 2	33, 23, 24, 34	15.0
32	Piano 2	43, 33, 34, 44	15.0

		44	
33	Piano 2	53, 43, 44, 54	15.0
34	Piano 2	24, 14, 15, 25	15.0
35	Piano 2	24, 25, 35, 34	15.0
36	Piano 2	34, 35, 45, 44	15.0
37	Piano 2	44, 45, 55, 54	15.0
38	Piano 2	26, 16, 17, 27	15.0
39	Piano 2	36, 26, 27, 37	15.0
40	Piano 2	46, 36, 37, 47	15.0
41	Piano 2	56, 46, 47, 57	15.0
42	Piano 2	47, 48, 58, 57	15.0
43	Piano 2	37, 38, 48, 47	15.0
44	Piano 2	27, 28, 38, 37	15.0
45	Piano 2	17, 18, 28, 27	15.0
46	Piano 2	29, 19, 20, 30	15.0
47	Piano 2	39, 29, 30, 40	15.0
48	Piano 2	49, 39, 40, 50	15.0
49	Piano 2	59, 49, 50, 60	15.0
50	Piano 3	21, 11, 12, 22	15.0
51	Piano 3	31, 21, 22, 32	15.0
52	Piano 3	41, 31, 32, 42	15.0
53	Piano 3	51, 41, 42, 52	15.0
54	Piano 3	13, 14, 24, 23	15.0
55	Piano 3	33, 23, 24, 34	15.0
56	Piano 3	43, 33, 34, 44	15.0
57	Piano 3	53, 43, 44, 54	15.0
58	Piano 3	24, 14, 15, 25	15.0
59	Piano 3	24, 25, 35, 34	15.0
60	Piano 3	34, 35, 45, 44	15.0
61	Piano 3	44, 45, 55, 54	15.0
62	Piano 3	26, 16, 17, 27	15.0
63	Piano 3	36, 26, 27, 37	15.0
64	Piano 3	46, 36, 37, 47	15.0
65	Piano 3	56, 46, 47, 57	15.0
66	Piano 3	47, 48, 58, 57	15.0
67	Piano 3	37, 38, 48, 47	15.0
68	Piano 3	27, 28, 38, 37	15.0
69	Piano 3	17, 18, 28, 27	15.0

70	Piano 3	29, 19, 20, 30	15.0
71	Piano 3	39, 29, 30, 40	15.0
72	Piano 3	49, 39, 40, 50	15.0
73	Piano 3	59, 49, 50, 60	15.0
74	Piano 4	11, 1, 2, 12	15.0
75	Piano 4	13, 3, 4, 14	15.0
76	Piano 4	14, 4, 5, 15	15.0
77	Piano 4	16, 6, 7, 17	15.0
78	Piano 4	7, 8, 18, 17	15.0
79	Piano 4	9, 10, 20, 19	15.0
80	Piano 5	21, 11, 12, 22	15.0
81	Piano 5	31, 21, 22, 32	15.0
82	Piano 5	41, 31, 32, 42	15.0
83	Piano 5	51, 41, 42, 52	15.0
84	Piano 5	13, 14, 24, 23	15.0
85	Piano 5	33, 23, 24, 34	15.0
86	Piano 5	43, 33, 34, 44	15.0
87	Piano 5	53, 43, 44, 54	15.0
88	Piano 5	24, 14, 15, 25	15.0
89	Piano 5	24, 25, 35, 34	15.0
90	Piano 5	34, 35, 45, 44	15.0
91	Piano 5	44, 45, 55, 54	15.0
92	Piano 5	26, 16, 17, 27	15.0
93	Piano 5	36, 26, 27, 37	15.0
94	Piano 5	46, 36, 37, 47	15.0
95	Piano 5	56, 46, 47, 57	15.0
96	Piano 5	47, 48, 58, 57	15.0
97	Piano 5	37, 38, 48, 47	15.0
98	Piano 5	27, 28, 38, 37	15.0
99	Piano 5	17, 18, 28, 27	15.0
100	Piano 5	29, 19, 20, 30	15.0
101	Piano 5	39, 29, 30, 40	15.0
102	Piano 5	49, 39, 40, 50	15.0
103	Piano 5	59, 49, 50, 60	15.0
104	Piano 5	12, 13, 23, 33, 43, 53, 52, 42, 32, 22	15.0
105	Piano 5	15, 16, 26, 36, 46, 56, 55, 45, 35, 25	15.0
106	Piano 5	18, 19, 29, 39, 49, 59, 58, 48, 38, 28	15.0

4 Risultati di Calcolo.

N.B. Le tabelle richiamate ai vari riferimenti sono contenute nell'allegato "Tabulati di Calcolo"

4.1 Risultati Condizioni.

4.1.1 Risultati Condizioni (Carichi Permanenti - G1).

4.1.1.1 Cinematismi nodali SLU

Vedi tabella 1.I

4.1.1.2 Sollecitazioni SLU

Vedi tabella 2.I

4.1.1.3 Pareti SLU

Vedi tabella 3.I

4.1.1.4 Piastre SLU

Vedi tabella 4.I

4.1.2 Risultati Condizioni (Carichi Permanenti - G2).

4.1.2.1 Cinematismi nodali SLU

Vedi tabella 5.I

4.1.2.2 Sollecitazioni SLU

Vedi tabella 6.I

4.1.2.3 Pareti SLU

Vedi tabella 7.I

4.1.2.4 Piastre SLU

Vedi tabella 8.I

4.1.3 Risultati Condizioni (Carichi d'Esercizio).

4.1.3.1 Cinematismi nodali SLU

Vedi tabella 9.I

4.1.3.2 Sollecitazioni SLU

Vedi tabella 10.I

4.1.3.3 Pareti SLU

Vedi tabella 11.I

4.1.3.4 Piastre SLU

Vedi tabella 12.I

4.1.4 Risultati Condizioni (Delta Termico).

4.1.4.1 Cinematismi nodali SLU

Vedi tabella 13.I

4.1.4.2 Sollecitazioni SLU

Vedi tabella 14.I

4.1.4.3 Pareti SLU

Vedi tabella 15.I

4.1.4.4 Piastre SLU

Vedi tabella 16.I

4.1.5 Risultati Condizioni (Torsione Accidentale X).

4.1.5.1 Cinematismi nodali SLV

Vedi tabella 17.I

4.1.5.2 Sollecitazioni SLV

Vedi tabella 18.I

4.1.5.3 Pareti SLV

Vedi tabella 19.I

4.1.5.4 Piastre SLV

Vedi tabella 20.I

4.1.6 Risultati Condizioni (Torsione Accidentale Y).

4.1.6.1 Cinematismi nodali SLV

Vedi tabella 21.I

4.1.6.2 Sollecitazioni SLV

Vedi tabella 22.I

4.1.6.3 Pareti SLV

Vedi tabella 23.I

4.1.6.4 Piastre SLV

Vedi tabella 24.I

4.1.7 Risultati Condizioni (Sisma X).

Vedi tabella 25.I

4.1.7.1 Cinematismi nodali SLV

Vedi tabella 26.I

4.1.7.2 Sollecitazioni SLV

Vedi tabella 27.I

4.1.7.3 Pareti SLV

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4.1.7.4 Piastre SLV

Vedi tabella 29.I

4.1.8 Risultati Condizioni (Sisma Y).

Vedi tabella 30.I

4.1.8.1 Cinematismi nodali SLV

Vedi tabella 31.I

4.1.8.2 Sollecitazioni SLV

Vedi tabella 32.I

4.1.8.3 Pareti SLV

Vedi tabella 33.I

4.1.8.4 Piastre SLV

Vedi tabella 34.I

4.2 Involuppi.

Gli effetti relativi alle varie combinazioni sono considerati utilizzando la tecnica dell'involuppo, in modo da considerare i massimi effetti relativi allo stato limite in esame.

Tale tecnica è stata utilizzata per:

- Cinematismi nodali;
- Sforzo Normale;
- Momento Torcente;
- Momento Flettente X-Z;
- Taglio X-Z;
- Momento Flettente X-Y;
- Taglio X-Y;

4.2.1 Involuppi dei Cinematismi nodali.

4.2.1.1 Involuppi SLU.

Vedi tabella 35.I

4.2.1.2 Involuppi SLD.

Vedi tabella 35.I

4.2.1.3 Involuppi SLE

Vedi tabella 36.I

Vedi tabella 36.II

Vedi tabella 36.III

4.2.2 Involuppi dei diagrammi delle sollecitazioni: Sforzo Normale.

Vedi tabella 37.I

4.2.3 Involuppi dei diagrammi delle sollecitazioni: Momento Torcente.

Vedi tabella 38.I

4.2.4 Involuppi dei diagrammi delle sollecitazioni: Momento Flettente X-Z.

Vedi tabella 39.I

4.2.5 Involuppi dei diagrammi delle sollecitazioni: Taglio X-Z.

Vedi tabella 40.I

4.2.6 Involuppi dei diagrammi delle sollecitazioni: Momento Flettente X-Y.

Vedi tabella 41.I

4.2.7 Involuppi dei diagrammi delle sollecitazioni: Taglio X-Y.

Vedi tabella 42.I

4.2.8 Involuppi Pareti

4.2.8.1 Involuppi SLU.

Vedi tabella 43.I

Vedi tabella 43.II

4.2.8.2 Involuppi SLD.

Vedi tabella 44.I

Vedi tabella 44.II

4.2.8.3 Involuppi SLE

Vedi tabella 45.I

Vedi tabella 45.II

Vedi tabella 45.III

Vedi tabella 45.IV

Vedi tabella 45.V

Vedi tabella 45.VI

4.2.9 Involuppi Piastre

4.2.9.1 Involuppi SLV.

Vedi tabella 46.I

Vedi tabella 46.II

4.2.9.2 Involuppi SLD.

Vedi tabella 47.I

Vedi tabella 47.II

4.2.9.3 Involuppi SLE

Vedi tabella 48.I
Vedi tabella 48.II
Vedi tabella 48.III
Vedi tabella 48.IV
Vedi tabella 48.V
Vedi tabella 48.VI

4.3 Combinazioni.

La terminologia utilizzata è la seguente :

Nodo Vinc. : numerazione interna del nodo vincolato.
Asta : numerazione interna al calcolo dell'asta.
Imp. : livello di appartenenza dell'asta.
Fili : Fili Fissi delimitanti l'asta.
L : Lunghezza dell'asta nel modello di calcolo.
Comb : Combinazione di Carico.

Sollecitazioni:

Ni : Valore dello Sforzo normale nella i-esima sezione.
Mti : Valore del Momento Torcente nella i-esima sezione.
Mxzi : Valore del Momento Flettente X-Z nella i-esima sezione.
Txzi : Valore del Taglio X-Z nella i-esima sezione.
Mxyi : Valore del Momento Flettente X-Y nella i-esima sezione.
Txyi : Valore dello Taglio X-Y nella i-esima sezione.
X : distanza dal nodo iniziale della sezione i-esima misurata lungo l'asse dell'asta.

Reazioni:

Rx : reazione vincolare in direzione X (riferimento globale);
Ry : reazione vincolare in direzione Y (riferimento globale);
Rz : reazione vincolare in direzione Z (riferimento globale);
Rfx : reazione vincolare intorno ad X (riferimento globale);
Rfy : reazione vincolare intorno ad Y (riferimento globale);
Rfz : reazione vincolare intorno ad Z (riferimento globale).

4.3.1 Sforzo Normale - Combinazioni SLV.

Vedi tabella 49.I

4.3.2 Sforzo Normale - Combinazioni SLD.

Vedi tabella 50.I

4.3.3 Sforzo Normale - Combinazioni SLE Caratteristiche.

Vedi tabella 51.I

4.3.4 Sforzo Normale - Combinazioni SLE Frequenti.

Vedi tabella 52.I

4.3.5 Sforzo Normale - Combinazioni SLE Quasi Permanenti.

Vedi tabella 53.I

4.3.6 Momento Torcente - Combinazioni SLV.

Vedi tabella 54.I

4.3.7 Momento Torcente - Combinazioni SLD.

Vedi tabella 55.I

4.3.8 Momento Torcente - Combinazioni SLE Caratteristiche.

Vedi tabella 56.I

4.3.9 Momento Torcente - Combinazioni SLE Frequenti.

Vedi tabella 57.I

4.3.10 Momento Torcente - Combinazioni SLE Quasi Permanenti.

Vedi tabella 58.I

4.3.11 Momento Flettente - Combinazioni SLV.

Vedi tabella 59.I

4.3.12 Momento Flettente - Combinazioni SLD.

Vedi tabella 60.I

4.3.13 Momento Flettente - Combinazioni SLE Caratteristiche.

Vedi tabella 61.I

4.3.14 Momento Flettente - Combinazioni SLE Frequenti.

Vedi tabella 62.I

4.3.15 Momento Flettente - Combinazioni SLE Quasi Permanenti.

Vedi tabella 63.I

4.3.16 Taglio X-Z - Combinazioni SLV.

Vedi tabella 64.I

4.3.17 Taglio X-Z - Combinazioni SLD.

Vedi tabella 65.I

4.3.18 Taglio X-Z - Combinazioni SLE Caratteristiche.

Vedi tabella 66.I

4.3.19 Taglio X-Z - Combinazioni SLE Frequenti.

Vedi tabella 67.I

4.3.20 Taglio X-Z - Combinazioni SLE Quasi Permanenti.

Vedi tabella 68.I

4.3.21 Momento Flettente X-Y - Combinazioni SLV.

Vedi tabella 69.I

4.3.22 Momento Flettente X-Y - Combinazioni SLD.

Vedi tabella 70.I

4.3.23 Momento Flettente X-Y - Combinazioni SLE Caratteristiche.

Vedi tabella 71.I

4.3.24 Momento Flettente X-Y - Combinazioni SLE Frequenti.

Vedi tabella 72.I

4.3.25 Momento Flettente X-Y - Combinazioni SLE Quasi Permanenti.

Vedi tabella 73.I

4.3.26 Taglio X-Y - Combinazioni SLV.

Vedi tabella 74.I

4.3.27 Taglio X-Y - Combinazioni SLD.

Vedi tabella 75.I

4.3.28 Taglio X-Y - Combinazioni SLE Caratteristiche.

Vedi tabella 76.I

4.3.29 Taglio X-Y - Combinazioni SLE Frequenti.

Vedi tabella 77.I

4.3.30 Taglio X-Y - Combinazioni SLE Quasi Permanenti.

Vedi tabella 78.I

4.4 Tensioni sul Terreno.

Vedi tabella 78.II

4.5 Verifiche Nodi.

4.5.1 Verifiche SLV - Verifica Nodo.

Vedi tabella 79.I

4.6 Verifica Aste.

4.7 Verifica Stati Limite di Danno.

4.7.1 Involuppi dei Cinematismi nodali.

I dati seguenti riportano i valori dei Cinematismi nodali che definiscono la struttura ed in modo particolare:

Vedi tabella 80.I

Per edifici con il seguente tipo di elementi: tamponamenti collegati rigidamente (Tamponature fragili), il controllo viene fatto tramite la seguente relazione:

$$q \cdot d_r < 0.0050 h$$

dove:

$q \cdot d_r$: spostamento relativo tra due impalcati consecutivi;

h : altezza dell'impalcato;

Vedi tabella 80.II

4.8 Verifica Elementi Bidimensionali.

4.8.1 Verifica Pareti.

4.8.1.1 Verifica Pareti Non Dissipative.

- Particolari prescrizioni per pareti non dissipative

Le pareti non dissipative sono state progettate utilizzando le sollecitazioni relative allo spettro elastico ($q = 1$).

Qui di seguito vengono tabellati i risultati delle verifiche delle pareti della struttura:

Verifica di Resistenza a Flessione Composta SLV.

Il coefficiente di sicurezza minimo della verifica effettuata presenta valore di 1.00

Vedi tabella 81.I

Verifica di Resistenza a Taglio SLV

Il coefficiente di sicurezza minimo della verifica effettuata presenta valore di 1.00

Vedi tabella 81.II

4.8.2 Verifica Piastre.

4.8.2.1 Verifica Piastre in C.A..

4.8.2.1.1 Dati Generali

Vedi tabella 82.I

Disposizione Armature

Vedi tabella 82.II

4.8.2.1.2 Verifiche SLV - Flessione.

Il coefficiente di sicurezza minimo della verifica effettuata presenta valore di 1.55

Vedi tabella 83.I

4.8.2.1.3 Verifiche SLV - Taglio

Il coefficiente di sicurezza minimo della verifica effettuata presenta valore di 1.33

Vedi tabella 84.I

4.8.2.1.4 Verifiche SLE - Fessurazione

Il coefficiente di sicurezza minimo della verifica effettuata presenta valore >10

Il coefficiente di sicurezza minimo della verifica effettuata presenta valore >10

Vedi tabella 85.I

4.8.2.1.5 Verifiche SLE - Tensioni di Esercizio

Il coefficiente di sicurezza minimo della verifica effettuata presenta valore di 2.13

Il coefficiente di sicurezza minimo della verifica effettuata presenta valore di 4.67

Vedi tabella 86.I

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